UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT

Final Environmental Impact Report
SCH No. 2010082016

Prepared for
San Joaquin County

October 2012

ESA

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Union Pacific Expansion Modernization Project Final Environmental Impact Report

CHAPTER 1
Introduction

A. CEQA Process

On September 21, 2011, the San Joaquin County Department of Community Development (Lead Agency) released for public review a Draft Environmental Impact Report ("Draft EIR" or "DEIR") for the Union Pacific Expansion and Modernization Project (State Clearinghouse [SCH]# 2010082016). The required 45-day public review and comment period on the Draft EIR began on September 21, 2011 and closed at 5:00 p.m. on November 7, 2011.

The Draft EIR for the proposed project, revisions to the Draft EIR Responses to Comments and Mitigation, Monitoring and Reporting Program contained herein constitute the Final Environmental Impact Report ("Final EIR" or "FEIR") for the proposed project. The Final EIR is an informational document prepared by the Lead Agency that must be considered by decision-makers before approving the proposed project (CEQA *Guidelines*, Section 15090). The California Environmental Quality Act (CEQA) *Guidelines* (Section 15132) specify the following:

> The Final EIR shall consist of:
>
> (a) The Draft EIR or a revision of that draft.
>
> (b) Comments and recommendations received on the Draft EIR either verbatim or in a summary.
>
> (c) A list of persons, organizations, and public agencies commenting on the Draft EIR.
>
> (d) The responses of the Lead Agency to significant environmental points raised in the review and consultation process.
>
> (e) Any other information added by the Lead Agency.

This document has been prepared pursuant to CEQA and in conformance with the CEQA *Guidelines*. The Responses to Comments contained herein incorporate comments from public agencies and the general public and contain appropriate responses by the Lead Agency to those comments.

B. Document Organization

The FEIR for the proposed Union Pacific Expansion and Modernization Project contains Responses to Comments raised during the public comment period, and includes the following chapters:

Chapter 1, *Introduction*, describes the CEQA process and the organization of the FEIR.

Chapter 2, *Agencies and Persons Commenting on the Draft EIR*, lists all agencies, organizations, and persons that submitted written comments on the Draft EIR during the public review and comment period and/or that commented verbally at the Administrative Hearing on October 25, 2011 or the Planning Commission meeting on the Draft EIR on November 3, 2011. The list also indicates the receipt date of each written correspondence.

Chapter 3, *Responses to Written Comments on the Draft EIR*, contains comment letters received during the review and comment period (and within a reasonable timeframe after). The responses to the comments are provided following each letter, with a numbering system that corresponds to numbered comments. When changes to text of the Draft EIR are recommended, new text is shown with underlining and removed text is shown with ~~strikeouts~~.

Chapter 4, *Responses to Comments at the Administrative Hearing on the Draft EIR of October 25, 2011*, contains a summary of all environmental topics raised regarding the Draft EIR at the Administrative Hearing on October 25, 2011 and responses to those comments.

Chapter 5, *Revisions to the Draft EIR*, identifies changes to the Draft EIR made in response to comments received on the Draft EIR.

Chapter 6, *Mitigation Monitoring and Reporting Program*, identifies the mitigation measures, the parties responsible for monitoring their implementation, and the timing for implementing and monitoring the measures.

CHAPTER 2

Agencies and Persons Commenting on the Draft EIR

A. Agencies and Persons Commenting in Writing

The following agencies, organizations, and individuals submitted written comments on the Draft EIR during the public review period that began on September 21, 2011 and closed at 5:00 p.m. on November 7, 2011, or shortly thereafter.

Letter	Person/Agency and Signatory	Date
Federal and State Agencies		
FS1	California Department of Transportation (Sinarath Pheng)	November 4, 2011
FS2	California Air Resources Board (Cynthia Marvin, Assistant Chief, Stationary Source Division)	November 7, 2011
FS3	California Department of Conservation (John M. Lowrie, Program Manager, Williamson Act Program)	November 8, 2011*
Regional and Local Agencies		
RL1	City of Manteca (Mark Meissner, Planning Manager)	November 7, 2011
RL2	County of Lathrop (Charlie Mullen, Principal Planner)	November 3, 2011
RL3	San Joaquin Council of Governments, Airport Land Use Commission (Laura Brunn, Associate Regional Planner)	November 4, 2011
RL4	San Joaquin County Environmental Health Department (Rodney Estrada, Lead Senior REHS)	October 25, 2011
RL5	San Joaquin Valley Air Pollution Control District (David Warner, Director of Permit Services)	November 10, 2011*
RL6	Regional Water Quality Control Board, Central Valley Region (Genevieve Sparks, Environmental Scientist, 401 Water Quality Certification Program)	November 3, 2011
Public and Interest Groups		
P1	Norman Hauser	November 7, 2011
P2	Thomas H. Terpstra	November 7, 2011

* Comment received after the close of the public review period.

B. Commenters at the Administrative Hearing and Planning Commission Hearing

The following persons offered public comments during the Administrative Hearing on October 25, 2011.

- Bill Barnhart
- Norm Hauser
- Lou Tallerico

CHAPTER 3

Responses to Written Comments on the Draft EIR

This chapter contains copies of the comment letters received during the public review period on the Draft EIR and the individual responses to those comments. Each written comment letter is designated with a number in the upper right-hand corner of the letter.

Within each written comment letter, individual comments are labeled with a number in the margin. Immediately following each comment letter is an individual response to each numbered comment. Where responses have resulted in changes to the Draft EIR, these changes also appear in Chapter 5 of this Response to Comments document. Changes to the Draft EIR text are shown using <u>underlining</u> for new text and ~~strikeouts~~ for removed text.

STATE OF CALIFORNIA—BUSINESS, TRANSPORTATION AND HOUSING AGENCY ARNOLD SCHWARZENEGGER, Governor

DEPARTMENT OF TRANSPORTATION
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November 4, 2011

10-SJ-5, PM 17.50
UP Expansion and Modernization
SCH #2010082016

Mo Hatef
San Joaquin County
Community Development Department
1810 East Hazelton Avenue
Stockton, CA 95205

Dear Ms. Hatef,

The California Department of Transportation (Department) appreciates the opportunity to comment on the Draft Environmental Impact Report for the **Union Pacific Expansion and Modernization** project. The project, located at 1000 East Roth Road in French Camp, proposes to expand and modernize its existing intermodal facility in two phases over a ten-year period. At full buildout, the facility will increase lift capacity from 270,000 lifts per year to 400,000 lifts per year in Phase I and to 730,000 lifts per year in Phase II.

Upon review of the project, the Department has the following comments:

1. The proposed project has the potential to impact the SR-99/Arch Road interchange, which should be analyzed as part of the Traffic Impact Study (TIS) to determine its impact and propose appropriate mitigations. FS1-1

2. The truck traffic distribution and assignment should justify its origin/destination. It is unclear as to where the trips are going, and therefore, the potential impact to the State Highway System (SHS) may not be properly analyzed. Please include truck traffic volume with the analysis to reflect the additional 3,062 daily trips at project buildout and submit for our review. FS1-2

3. Figure 4.2-4 illustrates inbound and outbound trips. For instance, 20% outbound (38% inbound) truck trip distribution and assignment goes to the SR-99/French Camp Road interchange, where it splits 16% outbound (24% inbound) heading south on SR-99 and 4% outbound (14% inbound) heading north on SR-99. Please justify the large variations of inbound and outbound traffic at the SR-99/French Camp Road and I-5/Roth Road interchanges. FS1-3

4. The 20 Year Design for forecasting should be 2041, not 2035. This is due to phase 1 and 2 being built out in 2021. Twenty years thereafter results in year 2041. Please include year 2041 in your analysis and submit for our review. FS1-4

"Caltrans improves mobility across California"

5. Pages 4.2-5 to 4.2-6 describe the roadway network in which Surface Transportation Assistance Act (STAA) truck routes are identified on the SHS. Discussion of I-5 and SR-99 should identify the interchanges that meet STAA criteria, and the DEIR should identify the percentage of STAA trucks that visits the facility. Currently, STAA route only exists at the I-5/Roth Road interchange. With the Manteca Widening project of SR-99, the interchanges will conform to STAA templates. Until that happens, only the I-5/Roth Road interchange will be allowed access by STAA trucks. FS1-5

6. I-205 was not included in the study area. The proposed project will have potential impacts to I-205 as there will be truck traffic on this route. To determine the impacts to I-205, please revise the study for year 2013, 2021, and 2041 and resubmit for our review. FS1-6

7. Table 2 discussion, page F-10, states, "*Based on a weekly comparison of UP gate movements between 12/1/2009 and 12/1/2010, 38 out of 52 weeks (or 73%) recorded higher gate movements at the UP driveway relative to October 17th. This indicates that the October driveway count of 2,045 reflects a peak activity week, or higher than normal, which justifies the slight rate decline in the weekday trip rate estimates under Phase I and Phase II.*" However, this situation actually indicates a lower than normal activity as only 14 weeks of the year were lower than October, thus, justifies an **increase** in the rates rather than reducing them. FS1-7

8. Table 2 of Appendix F.2 (page F-10) appears to contain a mathematical error in the Total UP Daily Trips, where Existing plus Phase I and II do not equal the Total. Please revise the table and resubmit the resulting changes for our review. FS1-8

9. Chapter 4.2, *Transportation and Traffic* (p.4.2-1), provides a list of the analyzed scenarios, but does not consider the project's impact within the context of pending and approved projects. Without this analysis, assessment of future system impacts is limited. Please include analysis of pending and approved projects and submit for our review. FS1-9

10. In the discussion of SR-99 improvements for future years conditions (pages 4.2-4 to 4.2-5), the SR-99/French Camp interchange was not discussed. Since several of the mitigation measures consider impacts at this interchange, discussion of this interchange should be included. FS1-10

11. Appendix F.12 discusses the safety issues at the two at-grade railroad crossings on Roth Road (pages 4.2-6 to 4.2-8), but not congestion (which is discussed further in the document and in Appendix F.4).

    Page 4.2-26 discusses the impact of train passage through the at-grade railroad crossings on Roth Road based upon a VISSIM simulation. The conclusion was that queue spill back from the crossing would not reach I-5 ramp junctions on Roth Road and would not be a significant impact under present conditions. The technical analysis is presented in Appendix F.12. The at-grade crossing is slightly less than a mile from the NB freeway ramps. The technical analysis reports several assumptions: FS1-11

- trains would travel no faster than ten miles/hour
- six minutes to decouple cars, ten minutes to couple
- maximum train length of 9,000 feet

A train traveling ten miles per hour with an approximate length of two miles would physically clear the crossing in twelve minutes. However, this assumes a continuous speed of travel, with no returns when either coupling or decoupling, and the assumption of the maximum length of 9,000 feet appears to be quite conservative.

FS1-11 cont.

It is not clear from the technical memorandum where the traffic volumes for Roth Road were obtained, but these should reflect peak hour traffic conditions, not mid-day (Table 1). Results indicate average queue length of 1,108 feet in 2021 and 5,565 feet for 2035 for the EB traffic stopped at the crossing, and a maximum queue length of 4,030 feet in 2021 and 15,677 feet in 2035. These conditions are reported as a future impact and addressed under Impact TRANS-39. However, the maximum queue for 2021 appears to refute the statement on p.4.2-42 that no impact at the I-5 would be likely, as it seems to cover much if not all the distance to the ramps from the crossing approximately 4,750 feet. However, the proponent will need to directly address the interaction between the queuing from the rail crossing with the traffic signals at the I-5/Roth Road interchange (TRANS-15), and with proposed ramp metering, as there appears to be a substantial impact when the three activities are considered together.

12. It is unclear what the justification is for the 48% of trucks entering and 36% of trucks exiting are bobtails. Please also explain the difference in 12% of "lost" trucks. FS1-12

13. Impact TRANS-27 characterizes an impact to the segment of SB I-5 between Roth Road and Lathrop Road in 2035. The discussion describes the likely mitigation as construction of additional lanes, yet stated that there is no feasible mitigation to reduce the impact to less than significant by citing the concept facility of the I-5 TCR (2003) as limiting the widening of I-5 to ten lanes. The addition of two mixed flow lanes to the existing lanes of I-5 should not be considered as significant and unavoidable, but should be analyzed for possible mitigation, such as fair share contribution, as there appears to be sufficient right of way to permit the widening of I-5. Therefore, the proposed mitigation action is feasible. FS1-13

14. The I-5/Roth Road interchange ramps have a very high percentage of trucks due to the adjacent truck related facilities. However, the provided Synchro 7 analysis files used very low percentages of truck for some of the movements. For example, the table below compares the truck percentages used in the provided Synchro 7 analysis files at I-5 NB ramp/Roth Road ramp under 2013 Plus Project (PP) AM condition with the truck percentages from the field review conducted by Traffic Operations in 2008. FS1-14

I-5/Roth Road Intersection	Truck Percentage %	
Approach/Movement	AM Field Review in 2008	Synchro 2013 PP AM
NB Off-ramp Right-turn	55	5
EB Roth Road Through	25	5
WB Roth Road Right-turn	23	5
WB Roth Road Through	58	5

FS1-14 cont.

Due to the large discrepancies in truck percentages shown in the above table, please verify the truck percentages used in the Synchro analysis. If the lower truck percentages used in the analysis cannot be justified, the TIS needs to conduct a classification count in order to provide realistic truck percentages. Inappropriate use of truck percentages will affect the result of vehicle delays, level of service (LOS), queues at the intersection, and freeway mainline/merge/diverge analysis under all conditions. Please revise the analysis of the truck percentages and resubmit for our review.

15. The TIS does not attempt to mitigate its project impacts even when the LOS is already unacceptable other than to contribute fair share for the cost of installing a traffic signal at the I-5 ramps/Roth Road. Traffic generated by the proposed project buildout in 2021 (Phase I and II) during PM peak hour would increase the average delay at the unsignalized intersection of I-5 SB ramps/Roth Road & I-5 NB ramps/Roth Road. Therefore, it is the developer's responsibility to provide full mitigation for the signalization at I-5 ramps/Roth Road as opposed to contributing fair share. FS1-15

16. Mitigation Measure TRANS-15 (buildout of the proposed project (phase I and II) during the AM and PM peak hours in 2035) proposes an improvement on the SB approach to I-5 SB ramps and Roth Road intersection by converting the SB approach from left and shared left-turn/through/right-turn lane to separate left and a shared right-turn/through lane . Due to the high traffic volume of I-5 SB off ramp left-turn, eliminating one of the left-turn movement approaches will increase average delay and queue length on SB approach. This proposed improvement is not feasible. Please revise and resubmit for our review. FS1-16

17. While this project does not propose NB I-5/Lathrop Road as their truck route, should this change be desired, additional analysis of this interchange will be required. FS1-17

Please provide the information and modifications as listed above for further review and comment. If you have any questions, please contact Sinarath Pheng at (209) 942-6092 (e-mail: Sinarath_Pheng@dot.ca.gov) or myself at (209) 941-1921.

Sincerely,

Sinarath Pheng

for TOM DUMAS, CHIEF
OFFICE OF METROPOLITAN PLANNING

c Scott Morgan, State Clearinghouse

"Caltrans improves mobility across California"

Letter FS1. California Department of Transportation

FS1-1 Prior to the development of the DEIR in September 2010, Caltrans District 10 (Caltrans D-10) was provided an opportunity to submit comments on the traffic analysis scope. Caltrans D-10 submitted a letter (May 23, 2011) to the County of San Joaquin identifying additional facilities that Caltrans D-10 wanted included in the traffic study (and DEIR), including the interchanges at State Route (SR) 99/French Camp Road and SR 99/Lathrop Road. In that letter, Caltrans did not recommend including the SR 99/Arch Road interchange as part of the DEIR traffic analysis study area. Hence this latter interchange was not included in the DEIR. Further, as shown in Figure 4.2-4, page 4.2-21, of the DEIR, only 14 percent and 4 percent of the project-generated inbound and outbound truck traffic, respectively, would use SR 99 north of French Camp Road. Based on 12 months of Union Pacific (UP) truck dispatch information provided in DEIR Appendix F.19, 5 percent of the outgoing trucks would be destined for the City of Stockton, while 17 percent would be coming to the UP Lathrop facility from the City of Stockton. Conservatively assuming that all these trips would use the Arch Road interchange (applying these percentages to the project's AM and PM peak-hour trip generation estimates for both Phase I and II combined provided in Table 4.2-3, page 4.2-19) equates to, at most, one AM peak-hour trip and two PM peak-hour trips that would use this interchange. No employees are assumed to use this interchange. As discussed in the DEIR, this truck trip distribution is based upon the origins and destinations of truck trips at the current Union Pacific Intermodal Terminal as recorded by UP truck dispatch and the fact that most trucks carrying goods to and from the facility must use the Surface Transportation Assistance Act (STAA)-designated route between I-5 and Roth Road to the west of the facility and away from the SR 99/Arch Road interchange. Therefore, the DEIR adequately analyzes the significant transportation-related impacts of the project without the inclusion of the SR 99/Arch Road interchange in the analysis.

FS1-2 Commenter is directed to Appendix F.19 in the DEIR and FEIR for an analysis of the truck traffic volume.

FS1-3 As stated under "Project Trip Distribution" (page 4.2-20) in the DEIR, the directional distribution to/from the facility on Roth Road was directly based on 3-day, 24-hour classification count data collected at the UP facility driveway in October 2010. Distribution splits beyond Roth Road were based on 12-month UP truck dispatch information provided in DEIR Appendix F.19. With these data in mind, one would expect inbound traffic to be more evenly distributed between the I-5/Roth Road and SR 99/French Camp Road interchanges (62 percent and 38 percent, respectively) than would be the case for outbound traffic (80 percent and 20 percent, respectively). As shown at Appendix F.19, the percentage of trucks that leave the facility with cargo containers is higher than the percentage of trucks that arrive at the facility with cargo containers. This is because many trucks that arrive at the facility, with or without a cargo container for rail transport, also leave the facility with a cargo container for local distribution. Because trucks with cargo containers must generally use the designated STAA route on Roth Road to I-5 or risk turn radius difficulties and citations from law enforcement, it is assumed that truckers would not depart to the east on Roth Road to SR 99 (which is not a STAA route). One would expect a higher percentage of outbound truck traffic to use the Roth Road/I-5 interchange than inbound truck traffic, as the data show.

FS1-4 The "20 years thereafter" analysis is only applicable to state highway infrastructure projects (i.e., to meet Project Study Report (PSR) and Project Approval/Environmental Document (PA-ED) opening day and design year requirements). It does not apply to land use development projects analyzed under CEQA. The analysis structure (i.e., traffic analysis scenarios) of the DEIR is consistent with Section B.2 of the Caltrans *Guide for the Preparation of Traffic Impact Studies* (December 2002). The forecast horizon of over 25 years (2010 baseline to 2035 Cumulative Plus Project (Phases I and II conditions)) is adequate to address cumulative conditions under CEQA and is consistent with San Joaquin Council of Governments (SJCOG) out-year regional growth projections, traffic model forecast horizon, and Regional Transportation Plan (RTP) planning horizon. The interim year analyses (2013 and 2021) denote specific phases of the project and provide more analysis of the project than would otherwise be required under CEQA. Both phases combined are analyzed under the 2010 baseline, 2021 interim, and 2035 cumulative analyses to provide a total of 25 years of analysis. (Phase I is analyzed in isolation under the 2013 interim year analysis.) The DEIR therefore provides a reasonable and adequate analysis of cumulative conditions under CEQA

FS1-5 Comment noted. The following text has been added to the end of the paragraphs describing I-5 and SR 99 under "Roadway Network" on page 4.2-5 of the DEIR:

> <u>"Study area I-5 interchanges that currently meet STAA criteria at ramp terminals (STAA Terminal Access) include French Camp Road (northbound ramps only), Roth Road, and Louise Avenue. The ramp terminals at Mathews Road, French Camp Road (southbound ramps only) and Lathrop Road do not meet STAA Terminal Access criteria. The Roth Road interchange is a Terminal Access route and is a designated STAA Service Route between I-5 and the UP Facility Driveway. Future improvements are programmed at both the Lathrop and French Camp interchanges that will allow all ramp terminals at these I-5 interchanges to meet STAA criteria. Bids will be solicited and a contract will be awarded for improvements at the I-5 and French Camp Road interchange shortly."</u>
>
> <u>"The only SR 99 interchange in the study area that currently meets STAA criteria at ramp terminals (STAA Terminal Access) is Arch Road. Although the ramp terminal at Arch Road meets STAA Terminal Access criteria, this interchange is not signed as such prior to the ramp. Arch Road meets STAA criteria east of SR 99 to Austin Road and west of SR 99 to just west of Airport Way. The SR 99</u>

interchanges at French Camp Road and Frontage Road/Lathrop Road currently do not meet STAA Terminal Access criteria. Contracts for improvements have been awarded at both the Lathrop and French Camp interchanges to allow all ramp terminals at these SR 99 interchanges to meet STAA criteria. Construction is scheduled to begin at the French Camp interchange shortly and at the Lathrop Road interchange by Spring 2013."

The applicant does not maintain records of the percentage of STAA trucks using the Intermodal Facility. The percentage of 3+ axle trucks using each study area intersection, including the Intermodal Facility driveway, is documented in the SYNCHRO-7 worksheets provided in DEIR Appendices F.14, F.15 and F.16. A 3+ axle truck, however, may or may not be a STAA-certified truck depending upon whether it is carrying a trailer and the size of the truck and trailer. Given that classification data cannot distinguish STAA-certified trucks, documenting the percentage of STAA trucks using the Intermodal Facility is not possible. The DEIR does, however, analyze the impacts of the project upon transportation facilities, as it is required to do, based upon turning movement counts at the Intermodal Facility driveway and based upon Union Pacific dispatch records of dray truck origins and destinations, whether or not a truck is STAA-certified. Because Roth Road to I-5 is the only STAA-certified route that currently provides access to the Intermodal Facility, STAA certification could be predictive of dray truck distribution, but the actual, recorded turning movements and dispatch data used by the DEIR are more accurate.

FS1-6 See Response to Comment FS1-1 regarding Caltrans D-10's May 23, 2011 letter to the County of San Joaquin (responding to an opportunity to submit comments on the traffic analysis scope), which identified additional facilities that Caltrans D-10 wanted included in the traffic study (and DEIR), including the SR 99/French Camp interchange. In that letter, Caltrans did not recommend including I-205 as part of the DEIR traffic analysis study area. Hence this latter interchange was not included in the DEIR. Further, as shown in Figure 4.2-4, page 4.2-21, of the DEIR, 23 percent and 31 percent of the project-generated inbound and outbound truck traffic, respectively, would use I-5 south of Roth Road. Based on 12 months of UP truck dispatch information provided in DEIR Appendix F.19, 25 percent of the outgoing trucks would be destined for locations where using I-205 provides the shortest/quickest route, while 21 percent of inbound trucks would be coming from locations where using I-205 to reach I-5 provides the shortest/quickest path. Applying these percentages to the project's AM and PM peak-hour trip generation estimates provided in Table 4.2-3 (page 4.2-19) of the DEIR equates to the following number of added trucks on I-205:

Phase I: 1 eastbound and 2 westbound truck trips (AM peak hour)
2 eastbound and 2 westbound truck trips (PM peak hour)

Phases I + II: 3 eastbound and 7 westbound truck trips (AM peak hour)
6 eastbound and 8 westbound truck trips (PM peak hour)

Based on select zone model results, no employees are expected to use I-205. Applying a passenger car equivalency of 2.5 for trucks and applying the above trips to the I-205 Highway Capacity Software LOS worksheets developed as part of the I-580 Interregional Multi-Modal Corridor Study (Dowling Associates Inc., August 2011) reveal that these project-added trips would have little or no projected effect on I-205 peak-hour operating conditions under baseline conditions (+ Project Phase I) or on the most recently approved 2020 and 2035 travel forecasts (+ Project Phases I + II) for I-205 (Post Mile 0.213 to 0.447). Because it is not expected, based upon the above-described assessment of project-added truck trips (or passenger car equivalent trips), that the project would have a significant impact on I-205 mainline during the AM/PM peak hours, exclusion of I-205 from the analysis did not materially affect the impact findings presented in the DEIR.

FS1-7 The word "higher" was an error/typo. The third sentence of the second paragraph under Table 1 on page 2 of the DEIR Appendix F.2 has been revised as follows:

> "Based on a weekly comparison of UP gate movements between 12/1/2009 and 12/1/2010, 38 of out 52 weeks (or 73 percent) recorded ~~higher~~ lower gate movements at the UP driveway relative to October 17th."

FS1-8 The daily volume of 2,045 trips under "Existing" listed in Table 2 on page 2 of the DEIR Appendix F.2 was based upon a three-day traffic count recorded in October 2010, one of the busiest months at the facility. This number was then adjusted downward to 1,770 daily trips to reflect annual average conditions based upon an actual count of truck trips for 12 months from Union Pacific, as described in Appendix F.2. The following footnote has been added to Table 2 on page 2 of the DEIR Technical Appendix F.2:

> "The October 2010 traffic count of 2,045 daily trips reflects a peak seasonal period and was adjusted down to 1,770 trips to reflect annual average truck volume based on information described in Appendix F.3."

FS1-9 For information about pending and approved projects, the commenter is directed to Section 4.2 of the DEIR, Section 6.3 of the DEIR and DEIR Appendix F.5. This information may also be found in the FEIR.

FS1-10 The following text has been added as the third paragraph on page 4.2-6 of the DEIR to describe French Camp Road and the interchange with SR 99:

> "**French Camp Road** is an east-west two-lane undivided County roadway that extends northwest from its east at-grade terminus with SR 120, providing access to both SR 99 and I-5 and terminating at its intersection with Carolyn Weston Road 0.9 miles west of South Wolf Road. It is functionally classified as a Minor Arterial and has a posted speed limit ranging from 55 mph between SR 120 and SR 99 to 45 mph west of SR 99. Between SR 120 and I-5, French Camp Road is a designated CMP roadway. French Camp Road meets STAA Terminal Access

<u>criteria from I-5 northbound ramps to east of Airport Way. The ramp terminals at French Camp Road and SR 99 currently do not meet STAA Terminal Access criteria, but, as noted above, improvements to enable these terminals to meet STAA criteria have been scheduled.</u>"

FS1-11 As described in DEIR Appendix F.12, the VISSIM model does take coupling/decoupling time into account for the analysis in two ways. First, it was assumed that, once a train stopped, it took 6 minutes to decouple, or 10 minutes to couple. Second, acceleration and deceleration times were accounted for before and after each stop of the train for coupling, decoupling, or change in direction. The assumption of a maximum train length of 9,000 feet is conservative and is based upon input from Union Pacific, which is in turn based upon current system limitations that generally prevent train lengths greater than 9,000 feet. Most trains are in fact less than 9,000 feet.

The source of all traffic volume inputs for the VISSIM micro-simulation analysis is identical to those sources documented in Section 4.2 of the DEIR. Using the same traffic volume inputs documented in Section 4.2, the VISSIM analysis documents the hour of greatest impact of the project to the rail crossing, producing the longest queue spillback, by examining the hour of greatest conflict between vehicular traffic and train crossings. It should be noted that the hour of greatest vehicular traffic/train conflict, as set forth in Table 1 of DEIR Appendix F.12, does not coincide with the AM or PM peak hour for vehicular traffic. Picking the AM or PM peak hour for vehicular traffic for the VISSIM model would have understated rail crossing impacts. The proposed installation of ramp meters at the I-5/Roth Road interchange is not a programmed improvement. Hence, assuming this improvement as part of the future baseline is inappropriate given that is not consistent with the Caltrans *Guide for the Preparation of Traffic Impact Studies* (December 2002). In addition, the simulated queues reported under 2021 conditions fall 720 feet short of the I-5/Roth Road interchange (4,750 storage feet – 4,030 queue length feet = 720 feet).

FS1-12 The difference between the percentage of trucks entering and exiting the facility is explained by the following: The percentage of bobtails (trucks that are not carrying cargo containers) entering and exiting the UP facility driveway is based on UP data and does not add up to 100 percent. That is because some trucks enter and depart with cargo containers in the same trip, some trucks enter the facility with a container and leave as a bobtail, and some trucks enter as a bobtail and depart with a cargo container. There are no "lost" trucks.

FS1-13 As noted in Impact TRANS-27, page 4.2-65 of the DEIR, the Ultimate Design Concept for I-5 as documented in the Caltrans System Planning's *I-5 Transportation Concept Report* does not provide for the expansion of I-5 beyond 10 lanes. Nor is there any other program in place for such an improvement by Caltrans or any other agency. Hence, because there is no reasonable, enforceable plan in place to provide for such mitigation, and the impact occurs outside the County's jurisdiction, the County, as Lead Agency, cannot ensure that such mitigation would actually occur, and such a mitigation measure is infeasible. See Tracy First v. City of Tracy, 177 Cal. App. 4th 912 (2009).

FS1-14 Comment noted. These data were reviewed and incorporated into the FEIR analysis. Operational results for the Roth Road/I-5 interchange and the Roth Road/Harlan intersection have been revised in the FEIR accordingly. Though incorporating this new information into the analysis resulted in slight changes to the measures of effectiveness (i.e., seconds of delay) used to determine intersection level of service at these locations, it did not result in any changes to identified impacts or mitigation measures presented in the DEIR. It should be noted that other minor revisions were made as a result from switching from SYNCHRO-7 to SYNCHRO-8. The following tables of the DEIR are included in Chapter 5 (Revisions to the Draft EIR) of this FEIR, with revisions to include the updated delay results for the three affected intersections as follows.

Table 4.2-1 (p.4.2-9)

TABLE 4.2-1
EXISTING LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[a]

Intersection	Traffic Control[b]	Existing Conditions			
		AM Peak Hour		PM Peak Hour	
		Delay	LOS	Delay	LOS
1. Airport Way and French Camp Road	Signal	22.2	C	25.4	C
2. I-5 SB Ramps and Roth Road	SSSC	~~13.5~~ <u>15.2</u>	~~B~~ <u>C</u>	~~13.4~~ <u>15.1</u>	~~B~~ <u>C</u>
3. I-5 NB Ramp and Roth Road	SSSC	~~12.4~~ <u>12.5</u>	B	11.6	B
4. Roth Road and Harlan Road	AWSC	~~11.5~~ <u>12.8</u>	B	~~11.2~~ <u>12.4</u>	B
5. Roth Road and Project Site Access	SSSC	12.3	B	13.1	B
6. Roth Road and Airport Way	Signal	9.4	A	12.9	B
7. Airport Way and Daisywood Drive	Signal	5.6	A	4.3	A
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**
9. I-5 NB Ramps and Lathrop Road	SSSC	19.0	C	**60.9**	**F**
10. Harlan Road and Lathrop Road	Signal	25.8	C	24.4	C
11. Lathrop Road and 5th Street	Signal	14.1	B	19.4	B
12. Lathrop Rd and McKinley Avenue	SSSC	16.8	C	17.7	C
13. Airport Way and Lathrop Road	Signal	27.7	C	22.6	C
14. Lathrop Road and Union Road	Signal	22.3	C	23.1	C
15. SR 99 SB Ramps and Lathrop Road	SSSC	11.5	B	22.0	C
16. Lathrop Road and Frontage Rd (west)	AWSC	13.0	B	**38.8**	**E**
17. SR 99 NB Ramps and Lathrop Road	SSSC	10.8	B	11.6	B
18. Lathrop Road and Frontage Rd (east)	AWSC	10.9	B	14.8	B
19. Airport Way and Hastings Drive	SSSC	10.6	B	10.9	B
20. Airport Way and Louise Avenue	Signal	19.7	B	33.6	C
21. SR 99 SB Ramps and French Camp Road	SSSC	24.2	C	32.2	D
22. SR 99 NB Ramps and French Camp Road	SSSC	18.3	C	16.4	C

[a] **Bold typeface** signifies that LOS exceeds threshold criteria and is therefore considered unacceptable.
[b] Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.

SOURCE: Dowling Associates, Inc., based on methodologies in the 2000 *Highway Capacity Manual*.

Table 4.2-4 (p. 4.2-24)

TABLE 4.2-4
EXISTING AND EXISTING PLUS PROJECT BUILDOUT LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[a]

Intersection	Traffic Control[b]	Existing Conditions				Existing Plus Project Buildout Conditions					Significant Impact?
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		Project-Added Delay Max (AM/PM)[c]	
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS		
1. Airport Way and French Camp Road	Signal	22.2	C	25.4	C	21.2	C	25.2	C	---	---
2. I-5 SB Ramps and Roth Road	SSSC	~~13.5~~ 15.2	~~B~~ C	~~13.4~~ 15.1	~~B~~ C	~~15.8~~ 19.0	C	17.2	C	---	---
3. I-5 NB Ramp and Roth Road	SSSC	~~12.4~~ 12.5	B	11.6	B	~~13.1~~ 13.3	B	12.6	B	---	---
4. Roth Road and Harlan Road	AWSC	~~11.5~~ 12.8	B	~~11.2~~ 12.4	B	13.4 15.4	~~B~~ C	~~14.0~~ 16.5	~~B~~ C	---	---
5. Roth Road and Project Site Access	SSSC/Signal[d]	12.3	B	13.1	B	8.1	A	12.2	B	---	---
6. Roth Road and Airport Way	Signal	9.4	A	12.9	B	10.4	B	11.9	B	---	---
7. Airport Way and Daisywood Drive	Signal	5.6	A	4.3	A	5.6	A	5.2	A	---	---
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	2.7 seconds	**Yes**
9. I-5 NB Ramps and Lathrop Road	SSSC	19.0	C	**60.9**	**F**	19.1	C	**61.0**	**F**	0.1 second	**Yes**
10. Harlan Road and Lathrop Road	Signal	25.8	C	24.4	C	25.8	C	24.4	C	---	---
11. Lathrop Road and 5th Street	Signal	14.1	B	19.4	B	14.1	B	19.4	B	---	---
12. Lathrop Rd and McKinley Avenue	SSSC	16.8	C	17.7	C	16.8	C	17.7	C	---	---
13. Airport Way and Lathrop Road	Signal	27.7	C	22.6	C	28.0	C	22.6	C	---	---
14. Lathrop Road and Union Road	Signal	22.3	C	23.1	C	22.2	C	23.0	C	---	---
15. SR 99 SB Ramps and Lathrop Road	SSSC	11.5	B	22.0	C	11.5	B	22.1	C	---	---
16. Lathrop Road and Frontage Rd (west)[e]	AWSC	13.0	B	**38.8**	**E**	13.1	B	**39.5**	**E**	0.7 second	No
17. SR 99 NB Ramps and Lathrop Road	SSSC	10.8	B	11.6	B	10.8	B	11.6	B	---	---
18. Lathrop Road and Frontage Rd (east)[e]	AWSC	10.9	B	14.8	B	~~10.0~~ 10.9	B	14.8	~~C~~ B	---	---
19. Airport Way and Hastings Drive	SSSC	10.6	B	10.9	B	10.7	B	10.9	B	---	---
20. Airport Way and Louise Avenue	Signal	19.7	B	33.6	C	19.9	B	33.8	C	---	---
21. SR 99 SB Ramps / French Camp Rd	SSSC	24.2	C	32.2	D	27.6	D	**39.7**	**E**	---	**Yes**
22. SR 99 NB Ramps / French Camp Rd	SSSC	18.3	C	16.4	C	19.4	C	17.3	C	---	---

a **Bold typeface** signifies that LOS exceeds threshold criteria and therefore considered unacceptable. Shading signifies a significant impact.
b Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.
c For intersections with unacceptable LOS without the project, the maximum project-generated increase in delay is shown.
d This intersection would be signalized by the proposed project.
e This intersection will not exist in the future due to the programmed reconstruction of the Lathrop/SR 99 Interchange.

SOURCE: Dowling Associates, Inc., 2011, based on methodologies in the 2000 *Highway Capacity Manual*.

Table 4.2-5 (p. 4.2-33)

TABLE 4.2-5
YEAR 2013 NO PROJECT AND YEAR 2013 PLUS PROJECT PHASE I LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[a]

Intersection	Traffic Control[b]	2013 No Project Conditions				2013 Plus Project Phase I Conditions					Significant Impact?
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		Project-Added Delay Max (AM/PM)[c]	
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS		
1. Airport Way and French Camp Road	Signal	22.6	C	29.5	C	23.0	C	30.6	C	---	---
2. I-5 SB Ramps and Roth Road	SSSC	~~14.5~~ 16.4	~~B~~ C	~~15.4~~ 17.9	C	~~15.3~~ 17.6	C	~~16.7~~ 19.9	C	---	---
3. I-5 NB Ramp and Roth Road	SSSC	~~12.5~~ 12.6	B	~~14.4~~ 14.5	B	~~12.6~~ 12.8	B	~~14.8~~ 15.1	~~B~~ C	---	---
4. Roth Road and Harlan Road	AWSC	~~13.2~~ 15.3	~~B~~ C	~~13.3~~ 15.4	~~B~~ C	~~14.0~~ 16.4	~~B~~ C	~~14.5~~ 17.2	~~B~~ C	---	---
5. Roth Road and Project Site Access	SSSC/Signal[d]	12.7	B	14.8	B	32.1	C	43.4	D	---	---
6. Roth Road and Airport Way	Signal	10.2	B	12.4	B	10.5	B	13.2	B	---	---
7. Airport Way and Daisywood Drive	Signal	14.1	B	26.0	C	14.2	B	26.2	C	---	---
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	No Change	No
9. I-5 NB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	No Change	No
10. Harlan Road and Lathrop Road	Signal	31.0	C	24.1	C	31.3	C	24.1	C	---	---
11. Lathrop Road and 5th Street	Signal	15.1	B	15.3	B	15.1	B	14.7	B	---	---
12. Lathrop Rd and McKinley Avenue	SSSC	8.5	A	5.8	A	8.5	A	5.8	A	---	---
13. Airport Way and Lathrop Road	Signal	24.5	C	28.8	C	25.6	C	28.9	C	---	---
14. Lathrop Road and Union Road	Signal	22.8	C	25.1	C	23.0	C	25.1	C	---	---
15. SR 99 SB Ramps and Lathrop Road	SSSC	16.1	B	13.2	B	16.1	B	13.2	B	---	---
16. Lathrop Road and Frontage Rd (west)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
17. SR 99 NB Ramps and Lathrop Road	SSSC	8.0	A	9.7	A	8.0	A	9.7	A	---	---
18. Lathrop Road and Frontage Rd (east)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
19. Airport Way and Hastings Drive	SSSC	11.3	B	11.6	B	11.4	B	11.6	B	---	---
20. Airport Way and Louise Avenue	Signal	22.9	C	35.3	D	22.9	C	35.3	D	---	---
21. SR 99 SB Ramps / French Camp Rd	SSSC	28.1	D	**~~41.4~~ 44.9**	**E**	32.0	D	**50.6**	**F**	~~9.2~~ 5.7 seconds	No[f]
22. SR 99 NB Ramps / French Camp Rd	SSSC	19.4	C	17.2	C	20.9	C	18.2	C	---	---

a **Bold typeface** signifies that LOS exceeds threshold criteria and therefore considered unacceptable. Shading signifies a significant impact.
b Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.
c For intersections with unacceptable LOS without the project, the maximum project-generated increase in delay is shown.
d This intersection would be signalized by the proposed project.
e This intersection will not exist in the future due to the programmed reconstruction of the Lathrop/SR 99 Interchange.
f Peak Hour Signal Warrants would not be met at this intersection, and per the significance criteria, the impact would be less than significant.

SOURCE: Dowling Associates, Inc., based on methodologies in the 2000 *Highway Capacity Manual*.

Table 4.2-6 (p.4.2-41)

TABLE 4.2-6
YEAR 2021 NO PROJECT AND YEAR 2021 PLUS PROJECT BUILDOUT LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[A]

Intersection	Traffic Control[b]	2021 No Project Conditions				2021 Plus Project Buildout Conditions					Significant Impact?
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		Project-Added Delay Max (AM/PM)[c]	
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS		
1. Airport Way and French Camp Rd	Signal	28.4	C	36.7	D	27.5	C	35.1	D	---	---
2. I-5 SB Ramps and Roth Road	SSSC	~~25.3~~ 34.5	D	**~~77.1~~ 148.7**	**F**	**~~36.9~~ 64.3**	**~~E~~ F**	**>200**	**F**	> 0.1 seconds	**Yes**
3. I-5 NB Ramp and Roth Road	SSSC	~~15.6~~ 15.9	C	**~~47.6~~ 49.0**	**E**	~~16.6~~ 16.9	C	**~~61.6~~ 64.1**	**F**	~~14.0~~ 15.1 sec	**Yes**
4. Roth Road and Harlan Road	AWSC	~~33.5~~ 48.2	~~D~~ E	**~~42.7~~ 62.0**	**~~E~~ F**	**~~54.0~~ 77.6**	**F**	**~~85.3~~ 115.3**	**F**	~~42.6~~ 53.3 sec	**Yes**
5. Roth Road and Project Site Access	SSSC/Signal[d]	17.3	C	24.1	C	19.1	B	20.0	B	---	---
6. Roth Road and Airport Way	Signal	11.8	B	~~18.6~~ 17.2	B	12.6	B	18.2	B	---	---
7. Airport Way and Daisywood Drive	Signal	23.0	C	~~31.6~~ 30.8	C	22.9	C	31.4	C	---	---
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
9. I-5 NB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
10. Harlan Road and Lathrop Road	Signal	**106.2**	**F**	44.4	D	**106.4**	**F**	44.4	D	0.2 second	No[f]
11. Lathrop Road and 5th Street	Signal	15.0	B	15.4	B	14.1	B	15.4	B	---	---
12. Lathrop Rd and McKinley Avenue	SSSC	10.6	B	7.5	A	10.6	B	7.5	A	---	---
13. Airport Way and Lathrop Road	Signal	**56.3**	**E**	**71.0**	**E**	**57.0**	**E**	**71.8**	**E**	0.8 second	No[f]
14. Lathrop Road and Union Road	Signal	28.1	C	29.6	D	28.1	C	29.6	C	---	---
15. SR 99 SB Ramps and Lathrop Road	SSSC	12.9	B	15.7	B	12.9	B	15.7	B	---	---
16. Lathrop Rd and Frontage Rd (west)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
17. SR 99 NB Ramps and Lathrop Road	SSSC	11.0	B	10.2	B	11.0	B	10.2	B	---	---
18. Lathrop Rd and Frontage Rd (east)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
19. Airport Way and Hastings Drive	SSSC	15.2	C	15.3	C	15.2	C	15.3	C	---	---
20. Airport Way and Louise Avenue	Signal	36.7	D	**88.3**	**F**	36.9	D	**88.6**	**F**	0.3 second	No[f]
21. SR 99 SB Ramps & French Camp Rd	SSSC	**74.3**	**F**	**192.8**	**F**	**100.3**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
22. SR 99 NB Ramps & French Camp Rd	SSSC	24.9	C	22.7	C	26.9	D	24.3	D	---	---

[a] **Bold typeface** signifies that LOS exceeds threshold criteria and therefore considered unacceptable. Shading signifies a significant impact.
[b] Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.
[c] For intersections with unacceptable LOS without the project, the maximum project-generated increase in delay is shown.
[d] This intersection would be signalized by the proposed project.
[e] This intersection will not exist in the future due to the programmed reconstruction of the Lathrop/SR 99 Interchange.
[f] Project-added delay is less than significance criteria.

SOURCE: Dowling Associates, Inc., based on methodologies in the 2000 *Highway Capacity Manual*.

Table 4.2-7 (p. 4.2-52)

TABLE 4.2-7
YEAR 2035 NO PROJECT AND YEAR 2035 PLUS PROJECT BUILDOUT LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[a]

Intersection	Traffic Control[b]	2035 No Project Conditions				2035 Plus Project Buildout Conditions					Significant Impact?
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		Project-Added Delay Max (AM/PM)[c]	
		Delay	LOS	Delay	LOS	Delay	LO S	Delay	LOS		
1. Airport Way and French Camp Road	Signal	41.2	D	**70.4**	**E**	41.3	D	**81.1**	**F**	10.7 seconds	**Yes**
2. I-5 SB Ramps and Roth Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
3. I-5 NB Ramp and Roth Road	SSSC	**~~41.6~~ 34.8**	**~~E~~ D**	**>200**	**F**	**~~38.3~~ 40.0**	**E**	**>200**	**F**	> 0.1 seconds	**Yes**
4. Roth Road and Harlan Road	AWSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 3.0 seconds	**Yes**
5. Roth Road and Project Site Access	SSSC/Signal[d]	**36.9**	**E**	**108.7**	**F**	18.2	B	28.1	C	---	---
6. Roth Road and Airport Way	Signal	17.3	B	51.7	D	18.4	B	52.0	D	---	---
7. Airport Way and Daisywood Drive	Signal	51.5	D	**175.6**	**F**	**56.7**	**E**	**176.1**	**F**	---	**Yes**
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
9. I-5 NB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
10. Harlan Road and Lathrop Road	Signal	**>200**	**F**	**140.4**	**F**	**>200**	**F**	**140.4**	**F**	No Change	No[f]
11. Lathrop Road and 5th Street	Signal	22.9	C	22.6	C	22.9	C	22.6	C	---	---
12. Lathrop Rd and McKinley Avenue	SSSC	21.8	C	13.5	B	21.8	C	13.5	B	---	---
13. Airport Way and Lathrop Road	Signal	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 3.0 seconds	**Yes**
14. Lathrop Road and Union Road	Signal	**108.1**	**F**	**61.0**	**E**	**107.7**	**F**	**61.4**	**E**	0.7 second	No[f]
15. SR 99 SB Ramps and Lathrop Road	SSSC	17.6	B	22.0	C	17.6	B	22.1	C	---	---
16. Lathrop Road and Frontage Rd (west)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
17. SR 99 NB Ramps and Lathrop Road	SSSC	18.2	B	10.6	B	18.2	B	10.6	B	---	---
18. Lathrop Road and Frontage Rd (east)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
19. Airport Way and Hastings Drive	SSSC	**57.0**	**F**	**36.7**	**E**	**57.4**	**F**	**36.9**	**E**	0.9 second	No[f]
20. Airport Way and Louise Avenue	Signal	**126.6**	**F**	**>200**	**F**	**127.3**	**F**	**>200**	**F**	< 3.0 seconds	No[f]
21. SR 99 SB Ramps & French Camp Rd	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
22. SR 99 NB Ramps & French Camp Rd	SSSC	**40.5**	**E**	**47.5**	**E**	**45.3**	**E**	**54.1**	**F**	8.8 seconds	**Yes**

a **Bold typeface** signifies that LOS exceeds threshold criteria and therefore considered unacceptable. Shading signifies a significant impact.
b Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.
c For intersections with unacceptable LOS without the project, the maximum project-generated increase in delay is shown.
d This intersection would be signalized by the proposed project.
e This intersection will not exist in the future due to the programmed reconstruction of the Lathrop/SR 99 Interchange.
f Project-added delay is less than significance criteria.

SOURCE: Dowling Associates, Inc., based on methodologies in the 2000 *Highway Capacity Manual*.

FS1-15 This comment is an incorrect statement of CEQA's requirements. The project does not produce a significant impact at the I-5/Roth Road interchange under the Existing Plus Project Conditions (see DEIR, page 4.2-20). Rather, the I-5/Roth Road Ramps operate at an unacceptable level of service (LOS) in 2021 with or without the project under cumulative conditions only. Where a project contributes to a significant impact under cumulative conditions, the project does not have an obligation to fund or undertake "full mitigation" of such impacts, particularly where, as here, the transportation facility (the I-5/Roth Road Ramps) would operate at an unacceptable LOS in 2021 with or without the project. Rather, Section 15130 of the CEQA Guidelines specifically provides that an EIR may determine that a project's contribution to a cumulative impact may be mitigated by requiring the project "to implement or fund its fair share of a mitigation measure or measures designed to alleviate the cumulative impact" (CEQA Guidelines, Section 15130 (a)(3)). The Caltrans *Guide for the Preparation of Traffic Studies* (December 2002) similarly states that mitigation must be based upon an "equitable share" if "a project has impacts that do not immediately warrant mitigation, but their cumulative effects are significant and will require mitigating in the future." Finally, where, as here, such cumulative impacts occur outside the Lead Agency's jurisdiction, the payment of fees based upon a "fair" or "equitable" share must also be tied to a reasonable, enforceable plan by which the Lead Agency can ensure that such mitigation will actually occur. A project application is required to provide full mitigation only when the project produces a significant impact as determined by the Existing Plus Project analysis.

FS1-16 Under the 2021 cumulative analysis, installation of a traffic signal at the I-5/Roth Road Southbound Ramp intersection is proposed as mitigation (Mitigation Measure TRANS-8, page 4.2-46 of the DEIR) along with the lane modifications described in Mitigation Measure TRANS-15. With signalization, the suggested 2035 mitigation of providing a separate left with a shared through-right southbound approach is operationally feasible and will restore this intersection to an acceptable LOS C or better.

FS1-17 The comment does not raise any substantive issues regarding the DEIR or the analysis and conclusions contained in that document. Per your request, should the project be revised to propose use of northbound I-5/Lathrop Road, the requested analysis will be provided.

Air Resources Board

Mary D. Nichols, Chairman
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Sacramento, California 95812 • www.arb.ca.gov

Matthew Rodriquez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

(submitted via email)

November 7, 2011

Ms. Mo Hatef
Associate Planner
San Joaquin County Community
Development Department
1810 East Hazelton Avenue
Stockton, California 95205-6232

Dear Ms. Hatef:

The California Air Resources Board (ARB) staff submits the following comments regarding the draft Environmental Impact Report (EIR) for the proposed Union Pacific Railroad (UP) Lathrop Intermodal Railyard Modernization Project.

The proposed project would increase the freight capacity of the existing railyard by a factor of 2.7 after completion of two phases of construction, with associated increases in the number of diesel trucks, equipment, and locomotive operations. The draft EIR identifies significant air quality impacts from the proposed expansion, which would increase emissions of criteria air pollutants and the health risk attributable to exposure to toxic diesel particulate matter (PM). Given the level of impacts and the location in the San Joaquin Valley, the project needs to be revised to include substantial air quality mitigation by employing effective, available emission control technologies and practices.

The projected rise in emissions of criteria pollutants would interfere with current plans to bring the San Joaquin Valley into attainment with federal air quality standards for fine particulate matter by 2014 and ozone by 2023 or earlier. On full build-out by 2035, the draft EIR projects a three-fold increase in truck trips to serve the railyard. These trucks and the locomotives to haul the additional freight would travel throughout the Central Valley, and beyond. FS2-1

The draft EIR estimates that the cancer risk to the maximum exposed resident would increase from the current 25 in a million up to 75 in a million, exceeding the San Joaquin Valley Air Pollution Control District's threshold of significance set at 10 in a million. The people who would be directly impacted include residents of a senior community less than half a mile downwind from the railyard. The cancer risk level with the proposed expansion could place the UP Lathrop Railyard among the top ten railyards statewide for cancer risk by 2020.

Ms. Mo Hatef
November 7, 2011
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As proposed, the project includes minimal air pollution mitigation, relying primarily on compliance with existing State and federal regulations for locomotives, drayage trucks, cargo handling equipment, transport refrigeration units, and fuels. These regulations are intended to progressively reduce air pollution and its impacts over time, not to offset the greater activity and emissions expected with the project. The draft EIR identifies the following mitigation measures: a new 10-lane automated gate system for drayage trucks to handle the tripling of truck trips and improve traffic flow, a change in operational practices to reduce non-essential idling from cargo handling equipment, and the remanufacture (by 2021) of three old switch locomotives to install the least efficient level of pollution control allowed by federal regulation for this activity.

ARB staff strongly believes that more effective measures can and should be implemented to fully mitigate the air quality impacts of the proposed project and take advantage of the planned construction to introduce changes that would reduce the impacts of current operations as well. UP has already implemented, or proposed to implement, many of these measures at other railyards in California. We urge UP to continue the company's environmental leadership and redesign this project to incorporate all available means to reduce emissions from the total operation. ARB staff recommends that the proposed expansion of the UP Lathrop Railyard include: FS2-1 cont.

- Replacement of the three 1950's model year switch locomotives with currently available "generator set" technology capable of reducing both PM and oxides of nitrogen (NOx) emissions by about 90 percent. Genset switch locomotives have been commercially available since 2005, with over 100 proven in operation in California. Gensets would also provide a 20 percent or greater reduction in diesel fuel consumption and greenhouse gas emissions. Further, the subcontractors that currently own and operate the old switch locomotives at the UP Lathrop Railyard may qualify for grants under the Carl Moyer Program that offer up to 85 percent funding of a new genset switch locomotive.
- Accelerated introduction of Tier 3 and Tier 4 technology line-haul locomotives into California service as they become available. FS2-2
- Installation of electrified rail mounted gantry cranes to move freight within the railyard, replacing all of the mobile diesel cargo handling equipment. These electrified rail mounted or wide-span gantry crane systems are proposed for two Southern California railyards.
- Installation of electric support infrastructure for transport refrigeration units to reduce idling emissions.
- Installation of electronic gate readers and tags on drayage trucks to verify compliance with ARB's existing rule for these trucks. Since the draft EIR assumes up to a 30 percent non-compliance rate with this rule, use of a gate entry and truck tag system similar to that employed by the Ports of Oakland, Los Angeles, and Long Beach could eliminate higher-emitting, non-compliant trucks without impeding the flow of traffic.

- Concurrent with Phase 2 of the project, work with stakeholders to develop a phased implementation of zero-emission and hybrid technologies for drayage trucks, once these technologies become more widely available. FS2-2 cont.

In addition, we recommend that UP commit to prepare a comprehensive health risk assessment update by 2022 to assess the potential health impacts after completion of Phase 1 in 2021. The study would provide local governmental agencies with an updated emission inventory to determine whether additional actions are necessary to further mitigate potentially elevated health risks for the Phase 2 build-out. FS2-3

ARB staff also recommends that San Joaquin County (as the lead permitting agency) consider limitations on siting new sensitive land uses (like schools) within 1,000 feet of the railyard, and consider other possible land use mitigation approaches (*Air Quality and Land Use Handbook*, ARB, 2005) to reduce residents' exposure to toxic diesel PM from trucks, locomotives, and other equipment serving the railyard. FS2-4

ARB staff appreciates the opportunity to comment on the draft EIR for the UP Lathrop Railyard Modernization Project. Please call me at (916) 322-7236 or Harold Holmes, Manager, Rail Strategies Section at (916) 324-8029 or hholmes@arb.ca.gov if you have any questions about these comments.

Sincerely,

Original signed by

Cynthia Marvin
Assistant Chief
Stationary Source Division

cc: Seyed Sadredin
Executive Director/Air Pollution
Control Officer
San Joaquin Valley Air Pollution
Control District

Lanny Schmid, Director
Environmental Operations
Union Pacific Railroad

Harold Holmes, Manager
Rail Strategies Section

State Clearinghouse #2010082016

Letter FS2. California Air Resources Board

FS2-1 The level of criteria air pollutant impacts was shown in Tables 4.3-9 through 4.3-11 of the DEIR, and indicated a significant, but temporary impact due to NOx emissions (in 2013 and 2021) and VOC emissions (in 2021 only). By 2035, the DEIR indicated that both the project's NOx and VOC emissions would decline to levels below the SJVAPCD's significance thresholds, and in fact, below 2010 baseline levels.

Based upon suggestions by the commenter and others, Mitigation Measure AIR-2e has been added to require that the applicant install electrical infrastructure (i.e., "a reefer rack") to support the operation of one hundred percent of the expected container Transportation Refrigeration Units (TRUs) on electrical power while being stored at the facility.

The project's operational emissions of criteria pollutants have also been updated for several emission source categories in the Air Quality Technical Memo included in Appendix A. As described in further detail in the memo, in addition to the reefer racks, the reasons for updating the emissions are summarized as follows:

- On November 9, 2011 and December 14, 2011, amendments to CARB's Drayage Truck Rule[1] and On-Road Rule[2] were respectively finalized, resulting in more stringent emissions requirements for drayage trucks than those assumed for the DEIR's calculations.
- On September 19, 2011, CARB released an updated version of its onroad emissions modeling software (EMFAC2011) which contained new vehicle categories for drayage trucks.
- The Lathrop rail yard has compiled and submitted several additional quarterly drayage truck reports to CARB, from which the rate of noncompliance with the Drayage Truck Rule can be more accurately estimated.

The project's updated operational emissions indicate that in all analysis years, the increase in criteria pollutants from the project, when compared to the baseline year of 2010, do not exceed the SJAPVD's mass-based thresholds of significance.

The commenter states that the project "would interfere with current plans to bring the San Joaquin Valley into attainment with federal air quality standards for fine particulate matter by 2014 and ozone by 2023 or earlier." The commenter does not provide data or analysis to support this assertion other than a general statement that "the draft EIR projects a three-fold increase in truck trips to serve the railyard." Refer to Responses to Comments RL2-1 and RL2-2 regarding truck trips. In any event, the project mitigation measures, which now include the reefer rack suggested by the

[1] 13 CCR § 2027
[2] 13 CCR § 2025

commenter, and the more accurate modeling analysis described in Appendix A provide data showing that no such interference would occur.

The SJVAB's 2008 $PM_{2.5}$ Plan and 2007 Ozone Plan are summarized on pages 4.3-12 to 4.3-16 of the DEIR. Each plan includes an attainment modeling demonstration relying upon emissions inventory data as inputs, both for a baseline year, and for several forecast years. The mobile source inventory is derived from regional vehicle population, activity rates, fuel specifications, and emissions of typical vehicles. Data from individual transportation related sources (such as the project) are not directly relied upon for inventory purposes. Rather, the inventory relies on data such as the number of vehicle registrations, mileage accrual rates, and other data provided by local governmental agencies and the Department of Motor Vehicles (DMV). Future year inventories are projected using growth factors mainly based on population growth projections. To the degree that the project represents or enables regional population growth, the project's emissions are already included in the SJVAB inventory forecasts.[3]

The SJVAPCD performed $PM_{2.5}$ attainment demonstration modeling according to their $PM_{2.5}$ SIP Modeling Protocol, which describes the selection of the general modeling approach, methods of analysis, and identification of data pertinent to supporting the modeling analysis. Modeling was performed for calendar years 2005 (baseline), 2009, 2012, and 2014. The result of the modeling predicted that $PM_{2.5}$ attainment would be achieved throughout the SJVAPCD in 2014, at which time, the basin wide, plan-controlled inventory would be 63.3 tons per day (TPD) of $PM_{2.5}$, 291.2 TPD of NOx, and 23.6 TPD of SOx. Also, the project (along with its air emissions) does not contradict, violate, or prohibit any existing or proposed control measures upon which the Plan relies. On the contrary, the Plan references a measure to: "[p]rovide linkages between ports and other modes of transportation, such as by train for the delivery of goods. Increase the use of cargo containers and truck/rail combinations." This "Fast Track" measure was adopted by the SJVAPCD as part of their dual path strategy to meet the federal 8-hour ozone standard as expeditiously as possible, but is also relied upon as a $PM_{2.5}$ control measure since NOx is a precursor to $PM_{2.5}$. Therefore, the project does not interfere with the SJVAPCD's 2008 $PM_{2.5}$ Plan, and may actually enable its goals to be met.

The SJVAB's 2007 Ozone Attainment Plan is also discussed on pages 4.3-12 to 4.3-16 of the DEIR. For the ozone plan, the SJVAPCD forecasted the future ozone attainment status of the SJVAB using photochemical modeling for calendar years 2002 (baseline), 2020, and 2023. The ozone plan indicates that in 2023 (the attainment deadline), the basin wide, plan-controlled NOx emissions must not exceed 160 TPD of NOx, which represents an 82 TPD "attainment gap" that must be met with yet-to-be identified control measures. The ozone plan further indicates that in 2023, the basin wide, plan-controlled emissions will total 342 TPD of VOC, but that no "attainment gap" for VOC will exist. As discussed above, these inventory totals implicitly include the project's comparatively small net emission contributions. Also, the project (along with its air

3 Table 3-1 of the SJVAB PM2.5 Plan forecasts a 63 percent increase in population for San Joaquin County over the period from 2005 to 2014.

emissions) does not contradict, violate, or prohibit any existing or proposed control measures upon which the plan relies. On the contrary, the ozone plan includes a measure for “greater use of cargo containers and truck/rail combinations”, along with new intermodal capacity, as long-range NOx control measures to be considered in the future.[4] Therefore, the project does not interfere with the SJVAPCD’s 2007 Ozone Attainment Plan, and in fact, may enable a portion of the additional NOx reductions needed to fill the NOx “attainment gap” in 2023.

The commenter states that the DEIR estimates the cancer risk to the maximum exposed resident in the area would increase from 25 in a million to 75 in a million as a result of the project. The commenter does not provide any documentation or calculations to support the statement that the risk at the current Intermodal Facility is 25 in a million, or that the post-project risk would be 75 in a million, and the DEIR reaches no such conclusions. In any event, the addition of Mitigation Measure AIR-2e regarding the installation of reefer racks as suggested by the commenter, and the more accurate modeling analysis described in Appendix A provide data showing that the predicted cancer risk would be well below the SJVAPDC’s significance threshold.

The screening level health risk assessment (HRA) contained in the DEIR has been updated in the Air Quality Technical Memo included in Appendix A. As described in further detail in the memo, the reasons for updating the emissions are summarized as follows:

- The applicant will be required to install electric transportation refrigeration unit (TRU) infrastructure (i.e., “reefer racks”) as a mitigation measure in response to public comments, thereby eliminating a key source of diesel particulate matter (DPM) emissions attributable to the rail yard.
- The emissions from the project’s drayage trucks have been updated as described above, which likewise affects the DPM emissions attributable to the rail yard that occur while the drayage trucks are onsite.
- The U.S. Environmental Protection Agency (EPA) released a revised version of the AERMOD dispersion model (version 12060).

The revised HRA indicates that the 70-year average maximum excess cancer risk (MECR) attributable to the Lathrop rail yard would increase by 5.9 in one million for both the maximum exposed resident and maximum exposed current or future worker as a result of the project. Also, the revised HRA indicates that the chronic hazard quotient would increase by 0.0028 for the maximum exposed resident and by 0.02 for a maximum exposed current or future worker. These results are below the SJVAPCD risk-based thresholds of significance, which are increases of ten in a million (for carcinogenic risk) and 1.0 (for the chronic hazard quotient). Therefore, the project’s emissions of toxic air contaminants would result in less-than-significant health risk impacts.

4 SJVAPCD 2007 Ozone Attainment Plan, p. 11-8.

It is further noted that the HRA results represent the predicted health risks associated with the 70-year average DPM emissions of the rail yard as it operates currently (baseline) compared to the 70-year average DPM emissions of the rail yard as it would operate if the project is constructed. A similar comparison based on a single year of DPM emissions (i.e., the current 2010 baseline DPM emissions compared to any future year of DPM emissions that includes the project) would likely yield risk reductions. This is because DPM emissions from the rail yard are decreasing rapidly year over year due to CARB's Drayage Truck Rule, Cargo Handling Equipment Rule, On-Road Rule, turnover of the locomotive fleet, and other measures. Because of these measures, no future year of DPM emissions would exceed the current 2010 baseline DPM emissions, even if the increases due to the project are included.

The commenter's statement that "[t]he cancer risk level with the proposed expansion could place the UP Lathrop Railyard among the top ten railyards statewide for cancer risk by 2020" is not supported by any citations, documentation, or analysis. As noted above, the project mitigation measures, which now include the reefer racks suggested by the commenter, and the more accurate modeling analysis described in Appendix A provide data showing that the predicted cancer risk would be well below the SJVAPDC's significance threshold, and would not place the project among the top ten railyards for predicted risk.

The health risk values contained in the DEIR are not useful for ranking the UP Lathrop Rail Yard's predicted health risk among the state's other rail yards for several reasons. First, the predicted health risk values contained in the DEIR are based on a comparison of the expanded (project) configuration of the yard to the existing (baseline) configuration. Second, the DEIR predicted health risk values are based on the maximum potential emissions of the rail yard for all future years. The HRAs performed for other yards pursuant to CARB's rail yard emission reduction program are based on emission inventory data, which in turn, are based on actual activity levels for a single analysis year. Potential emissions would far exceed actual emissions in nearly all cases because rail yards do not operate at 100 percent capacity, 100 percent of the time. And third, the HRAs performed for other rail yards pursuant to CARB's rail yard emissions reduction plan are based on a single-year of emissions data and do not account for foreseeable changes to future year emissions. In contrast, the health risk values contained in the DEIR for this project are based on the 70-year average (2010-2079) emission levels which include foreseeable changes in DPM emission rates and yard capacity.

To the degree possible, the HRA contained in the DEIR conformed to the methodology of the CARB HRAs. However, the CARB analyses were not CEQA analyses and thus differences occurred. Due to these differences, a direct comparison of the health risk values contained in the DEIR and CARB's rail yard HRAs cannot be made.

The commenter summarizes the proposed measures in the DEIR to mitigate air quality impacts arising from the project and states that "more effective measures can and should be implemented…," including measures to "reduce the impacts of current operations as well." As noted above, project mitigation measures now include the reefer racks suggested by the commenter, which significantly reduces project emissions. This measure has been accounted for in the updated emission calculations and HRA described above.

The updated emission calculations and HRA indicate that the project's criteria pollutant and air toxic emissions would not create significant air quality impacts. Therefore under CEQA, no further review of the feasibility of specific mitigation measures is required. However, a brief response to each of the remaining specific, additional mitigation measures proposed by the commenter is provided below to demonstrate that the DEIR did consider these measures.

It should also be noted that the purpose of the DEIR is to identify measures to mitigate significant impacts that a proposed project would create. Proposals to solve existing problems or issues and impose mitigation measures to reduce impacts from current, baseline operations go beyond the scope of what can be properly considered under CEQA.

The updated emission calculations and HRA require text revisions to the DEIR. All of the text changes resulting from all comments related to air quality and greenhouse gasses have been consolidated below to facilitate review. None of the text changes to the DEIR reveal "significant new information" as defined in CEQA Guidelines Section 15088.5(a), including significant new impacts, or a substantial increase in the severity of any environmental impact. Responses to further comments from this and other commenters follow these text changes and are found later in this Chapter 3 of the FEIR.

The text of the final paragraph on p. 4.3-28 of the DEIR has been changed as follows:

> "The emission calculations in this analysis assume that a drayage truck would travel an average of ~~42.6~~ 126.1 miles from its origin to the Lathrop intermodal yard and that a second drayage truck would travel an additional ~~42.6~~ 126.1 miles from the destination intermodal rail yard to the container's ultimate destination. This distance is the average round trip distance for a heavy-duty truck traveling in the SJVAB, as calculated from EMFAC for the baseline year. The total rail miles traveled in between the two intermodal yards was assumed to be 750 miles, the typical breakeven point for rail versus truck transport (Cal EPA, 2007). Therefore, a typical intermodal container is estimated to travel ~~835~~ 1,002 miles: ~~10.2~~ 25.1 percent via drayage trucks and ~~89.8~~ 74.9 percent via rail."

The equations listed on p. 4.3-29 of the DEIR have been changed as follows:

$$\textit{Project EF} = \frac{\left(\cancel{89.8\%}\ \underline{74.9\%} \text{ x } 325 \frac{\text{BTUs}}{\text{ton-mile}}\right) + \left(\cancel{10.2\%}\ \underline{25.1\%} \text{ x } 2{,}801 \frac{\text{BTUs}}{\text{ton-mile}}\right)}{100\%} \begin{array}{l} = \cancel{578} \\ = \underline{946} \end{array} \frac{\text{BTUs}}{\text{ton-mile}}$$

$$\textit{Project \% GHG Reductions} = \frac{\left(1{,}652 \frac{\text{BTUs}}{\text{ton-mile}}\right) - \left(\cancel{578}\ \underline{946} \frac{\text{BTUs}}{\text{ton-mile}}\right)}{1{,}652 \frac{\text{BTUs}}{\text{ton-mile}}} \text{ x } 100\% = \cancel{65\%}\ \underline{43\%}$$

The text of the paragraph following the equations on p. 4.3-29 of the DEIR has been changed as follows:

> "The above calculation shows that the project GHG emissions would be ~~65~~ 43 percent lower than the baseline emissions, and thus would exceed the SJVAPCD GHG reduction target of 29 percent, which is equivalent to implementing BPS."

Table 4.3-6 on p. 4.3-30 of the DEIR has been modified as follows:

TABLE 4.3-6
GLOBAL AND CALIFORNIA ANNUAL GREENHOUSE GAS (GHG) EMISSION RATES

	Greenhouse Gas Emissions			
Units	**CO_2**	**CH_4**	**N_2O**	**CO_2e**
Global (million metric tons CO_2e per year)[a]	27,568.6	6,407.5	3,285.6	37,809.7
California (million metric tons CO_2e per year)[b]	416.29	28.51	13.31	473.76
Project (million metric tons CO_2e per year)	~~0.058~~ 0.015	0.00	0.00	~~0.058~~ 0.015
Project (metric tons CO_2e per year)	~~58,000~~ 15,000	0	0	~~58,000~~ 15,000
Project Fraction of California	~~0.0001.4~~ 0.00004	~0	~0	~~0.00012~~ 0.00004
Project Fraction of Global	~~0.0000021~~ 0.0000005	~0	~0	~~0.0000015~~ 0.0000004

NOTES:

CO_2 = Carbon dioxide — CH_4 = Methane
N_2O = Nitrous oxide — CO_2e = Carbon dioxide equivalent

[a] From Climate Analysis Indicators Tool (CAIT) Version 8.0 (Washington, DC: World Resources Institute, 2011), 2005 global totals (most recent available for all GHGs), excluding land use change & forestry and international bunkers. Available at http://cait.wri.org/, accessed January 29, 2011.

[b] California emissions are from CARB's GHG Inventory Data – 2000-2008, 2008 California totals (most recent available), not including "excluded emissions" and "CO_2 from biogenic sources." Available at http://www.arb.ca.gov/cc/inventory/data/data.htm, accessed January 29, 2011.

SOURCE: Sierra Research, 2011

The text of the second and third paragraphs on p. 4.3-38 of the DEIR is modified as follows:

~~"The average drayage truck one-way trip distance was determined by dividing the total heavy heavy-duty truck vehicle miles traveled (VMT) by the number of trips, as reported by EMFAC, in the same manner as was done for calculating project GHG emissions.~~

~~EMFAC's estimation of the total VMT by heavy-duty trucks in the SJVAB is based on data obtained from Department of Motor Vehicles, regional governments, and other sources. EMFAC's estimate of the number of trips made by heavy-duty trucks is based on several studies which collected data on truck operating patterns such as the number and timing of truck starts/stops, time of day operation, and odometer data. These data represent EMFAC's prediction of the average truck trip length in the SJVAB. It is understood that the average truck trip length for any particular facility may be either longer or shorter, or may vary over time.~~

To determine the trip distance, the trip length between the rail yard and customers' origin and destination cities was calculated using a common trip-planning website.[5] The customer origin/destination cities were provided by the applicant, and were contained in Appendix F, Transportation Data, of the DEIR on page F-938. The distances to/from the 100 most frequent origin/destination cities were calculated, representing approximately 97% and 98% of the origin and destination cities, respectively. The remaining 2–3% of city distances was extrapolated from these data.

Two distances were calculated. The first distance was the VMT within the SJVAPCD, which is used for determining mass emissions of criteria pollutants for comparison against the SJVAPCD thresholds of significance. The second distance was the in-state VMT, which was used to report the project's California emissions of GHGs. These calculations show that the average round-trip VMT per drayage truck trip is 62.8 miles (in-basin) and 126.1 miles (in-state). This distance calculation is included in Air Quality Technical Memo included in Appendix A.

Emissions. Emission factors for drayage trucks were derived from the data contained in EMFAC ~~for the SJVAB~~, corrected for the effects of CARB's Rule for In-Use On-Road Diesel-Fueled Heavy-Duty Drayage Trucks (Drayage Truck Rule) [17 CCR §2027] and CARB's Regulation to Reduce Emissions of Particulate Matter, Oxides of Nitrogen, and Criteria Pollutants from In-Use On-Road Diesel-Fueled Vehicles (On-Road Rule) [17 CCR §2025]. EMFAC's model year distribution was adjusted as described in the Air Quality Technical Memo included in Appendix A."

[5] URL: www.mapquest.com

The first paragraph on p. 4.3-39 is modified as follows:

> “Phase 2 applies to all drayage trucks with a GVWR of 26,000 pounds and greater and requires a VDECS on all MY vehicles by December 31, 2013. Phase 2 also requires that after December 31, 2013, all drayage trucks must meet 2007 MY emission standards. It is further noted that on ~~January 31, 2016~~ January 1, 2023, the requirements of the Drayage Truck Rule sunset, with drayage trucks becoming subject to the ~~Regulation to Reduce Emissions of Diesel Particulate Matter, Oxides of Nitrogen and Other Criteria Pollutants from In-Use On-Road Diesel-Fueled Vehicles (On-Road Rule [13 CCR §2025])~~ On-Road Rule. The On-Road Rule requires that all heavy-duty diesel trucks be equipped with 2010 MY equivalent engines ~~in the 2020–2023 timeframe~~ by January 1, 2023.”

Tables 4.3-8 through 4.3-12 on pages 4.3-43 through 4.3-47 of DEIR are modified as shown on the following pages.

The text of the first paragraph on p. 4.3-48 of the DEIR is modified as follows:

> “Tables 4.3-9 through 4.3-12 show~~s~~ that the net emissions attributable to the project would not exceed the SJVAPCD thresholds of significance. ~~for VOC and NOx in 2021. However, in 2035, the net emissions attributable to the project would decrease compared to 2021 emission rates, to levels below the SJVAPCD significance thresholds (see Table 4.3-11). The SJVAPCD PM10 significance threshold would not be exceeded in any project operational year.”~~

The text of the first paragraph on p. 4.3-49 of the DEIR is modified as follows:

> ~~“By 2035, t~~ The mitigating effects of these measures would result in project emissions below the SJVAPCD significance thresholds for criteria pollutants, despite the projected activity growth. Because these measures are regulatory requirements, they do not constitute mitigation as defined by CEQA. Rather, they are mitigating project features and are enforceable, mainly by CARB, through the record keeping, reporting, labeling, and notification requirements inherent in each regulation. ~~Because these measures cannot maintain project ozone precursor emissions (VOC and NOx) below the thresholds of significance in 2013 and 2021, the project is considered to result in a significant and unavoidable impact in these analysis years only.~~ Despite the fact that the project’s criteria pollutant impacts are less than significant, the following potentially applicable mitigation measures were reviewed.”

TABLE 4.3-8
OPERATIONAL EMISSIONS – BASELINE (2010)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	1.03	4.05	13.21	0.44	0.40	0.11	653	0.03	0.01	655
Line Haul – Regional	1.10	4.32	14.07	0.47	0.43	0.12	9,520	0.39	0.08	9,552
Switcher – Onsite	0.32	0.87	4.59	0.12	0.10	0.01	186	0.01	0.00	187
Drayage Trucks	~~14.15~~ 10.07	~~76.20~~ 46.74	~~206.18~~ 197.60	~~9.72~~ 10.04	~~8.18~~ 8.30	~~0.39~~ 0.30	~~39,607~~ 56,470	~~0.76~~ 2.52	~~0.39~~ 0.50	~~39,778~~ 57,041
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	1	0.00	0.00	1
Direct-to-Locomotive (DTL) Fueling	0.32	1.47	4.13	0.16	0.14	0.01	353	0.01	0.00	353
Cargo Handling Equipment	0.48	6.50	13.44	0.55	0.50	0.28	31,607	1.28	0.26	31,713
Transport Refrigeration Units[a]	1.64	3.88	3.63	0.41	0.37	0.04	533	0.02	0.00	642
Storage Tanks	~~0.00~~ 0.12	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~9.49~~ 7.87	~~2.37~~ 1.97	-	-	-	-	-
Emergency Generators[b]	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Employee Vehicles[c]	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Architectural Coatings[c]	0.00	-	-	-	-	-	-	-	-	-
Landscaping[c]	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
2010 Total	~~19.04~~ 15.07	~~97.30~~ 67.85	~~259.25~~ 250.67	~~21.37~~ 20.07	~~12.49~~ 12.20	~~0.95~~ 0.86	~~82,459~~ 99,322	~~2.49~~ 4.26	~~0.73~~ 0.85	~~82,881~~ 100,144

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
CO = Carbon monoxide
CH_4 = Methane
$PM_{2.5}$ = Fine particulate matter
SO_x = Sulfur oxides
CO_2 = Carbon dioxide
PM_{10} = Respirable particulate matter
CO_2e = Carbon dioxide equivalent
NO_x = Oxides of nitrogen
N_2O = Nitrous oxide
ROG = reactive organic gases

[a] Includes greenhouse gas (GHG) emissions in the form of refrigerant loss.

[b] This emission source is not currently present and therefore not included in the baseline.

[c] These emission sources are currently present but represent a small contribution to baseline emissions. Therefore, they were assumed to be zero for the baseline case, with all facility emissions (baseline plus project) being attributed to the project, as shown in Tables 4.3-9 through 4.3-11.

SOURCE: Sierra Research, 2011

TABLE 4.3-9
OPERATIONAL EMISSIONS – PROJECT PHASE 1 (2013)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	1.57	6.55	20.34	0.63	0.57	0.01	930	0.04	0.01	933
Line Haul – Regional	1.60	6.71	20.83	0.65	0.58	0.01	9,520	0.39	0.08	9,552
Switcher – Onsite	0.47	1.29	6.80	0.17	0.15	0.01	276	0.01	0.00	277
Drayage Trucks	~~16.89~~ 10.37	~~93.99~~ 49.41	~~216.25~~ 193.07	~~7.68~~ 4.78	~~8.40~~ 3.01	~~0.59~~ 0.44	~~60,618~~ 84,771	~~0.90~~ 3.79	~~0.59~~ 0.76	~~60,821~~ 85,627
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	5	0.00	0.00	5
Direct-to-Locomotive (DTL) Fueling	0.40	1.87	4.96	0.19	0.16	0.01	538	0.01	0.00	538
Cargo Handling Equipment	1.17	30.88	2.50	0.13	0.11	0.47	16,392	0.66	0.13	16,448
Transport Refrigeration Units[a]	~~2.44~~ 0.00	~~5.75~~ 0.00	~~5.37~~ 0.00	~~0.10~~ 0.00	~~0.09~~ 0.00	~~0.06~~ 0.00	~~789~~ 0	~~0.03~~ 0.00	~~0.01~~ 0.00	~~951~~ 0
Storage Tanks	0.13	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~14.57~~ 11.66	~~3.64~~ 2.92	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
2013 Total	~~25.35~~ 16.39	~~150.86~~ 100.53	~~277.86~~ 249.31	~~24.38~~ 18.48	~~13.79~~ 7.58	~~1.14~~ 0.94	~~89,407~~ 112,770	~~2.05~~ 4.92	~~0.82~~ 0.98	~~89,863~~ 113,719
2013 Total Less Baseline	**~~6.31~~ 1.32**	**~~53.56~~ 32.68**	**~~18.61~~ -1.37**	**~~3.01~~ -1.59**	**~~1.30~~ -4.62**	**~~0.19~~ 0.08**	**~~6,948~~ 13,448**	**~~-0.44~~ 0.66**	**~~0.09~~ 0.13**	**~~6,982~~ 13,575**
SJVAPCD Significance Threshold	**10**	**-**	**10**	**15**	**-**	**-**	**-**	**-**	**-**	**-**
Significant Impact?	**No**	**-**	**~~Yes~~ No**	**No**	**-**	**-**	**-**	**-**	**-**	**-**

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
CO = Carbon monoxide
CH_4 = Methane
$PM_{2.5}$ = Fine particulate matter
SO_x = Sulfur oxides
CO_2 = Carbon dioxide
PM_{10} = Respirable particulate matter
CO_2e = Carbon dioxide equivalent
NO_x = Oxides of nitrogen
N_2O = Nitrous oxide
~~ROG = reactive organic gases~~

[a] Includes greenhouse gases (GHG) emissions in the form of refrigerant loss.

SOURCE: Sierra Research, 2011

TABLE 4.3-10
OPERATIONAL EMISSIONS – PROJECT PHASE 2 (2021)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	0.94	7.44	15.62	0.41	0.37	0.01	605	0.02	0.00	607
Line Haul – Regional	0.96	7.62	15.99	0.42	0.38	0.01	8,484	0.34	0.07	8,513
Switcher – Onsite	0.47	1.29	5.73	0.06	0.06	0.00	276	0.01	0.00	277
Drayage Trucks	~~21.05~~ 18.36	~~126.05~~ 86.78	~~235.36~~ 192.00	~~8.42~~ 8.93	~~5.62~~ 5.70	~~1.01~~ 0.79	~~107,551~~ 82,487	~~1.15~~ 3.69	~~1.05~~ 0.74	~~107,810~~ 83,320
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	3	0.00	0.00	3
Direct-to-Locomotive (DTL) Fueling	0.22	1.35	2.75	0.10	0.08	0.01	599	0.01	0.00	600
Cargo Handling Equipment	2.09	55.29	4.48	0.22	0.20	0.83	21,410	0.87	0.17	21,482
Transport Refrigeration Units[a]	~~4.45~~ 0.00	~~10.49~~ 0.00	~~9.81~~ 0.00	~~0.03~~ 0.00	~~0.03~~ 0.00	~~0.11~~ 0.00	~~1,441~~ 0	~~0.06~~ 0.00	~~0.01~~ 0.00	~~1,736~~ 0
Storage Tanks	0.15	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~25.71~~ 21.18	~~6.43~~ 5.30	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
2021 Total	~~31.01~~ 23.88	~~213.34~~ 163.59	~~290.54~~ 237.38	~~35.64~~ 31.60	~~13.23~~ 13.20	~~1.97~~ 1.64	~~140,707~~ 114,202	~~2.47~~ 4.96	~~1.31~~ 0.99	~~141.366~~ 115,140
2021 Total Less Baseline	**~~11.98~~ 8.81**	**~~116.04~~ 95.74**	**~~31.29~~ -13.29**	**~~14.27~~ 11.53**	**~~0.74~~ -0.05**	**~~1.02~~ 0.78**	**~~58,248~~ 14,880**	**~~-0.02~~ 0.70**	**~~0.58~~ 0.14**	**~~58,484~~ 14,996**
SJVAPCD Significance Threshold	**10**	**-**	**10**	**15**	**-**	**-**	**-**	**-**	**-**	**-**
Significant Impact?	**~~Yes~~ No**	**-**	**~~Yes~~ No**	**No**	**-**	**-**	**-**	**-**	**-**	**-**

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
SO_x = Sulfur oxides
CO = Carbon monoxide
CO_2 = Carbon dioxide
NO_x = Oxides of nitrogen
CH_4 = Methane
PM_{10} = Respirable particulate matter
N_2O = Nitrous oxide
$PM_{2.5}$ = Fine particulate matter
CO_2e = Carbon dioxide equivalent
~~ROG = reactive organic gases~~

[a] Includes greenhouse gas (GHG) emissions in the form of refrigerant loss.

SOURCE: Sierra Research, 2011

TABLE 4.3-11
OPERATIONAL EMISSIONS – PROJECT PHASE 2 (2035)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	0.82	16.96	14.20	0.37	0.34	0.01	550	0.02	0.00	552
Line Haul – Regional	0.84	17.36	14.54	0.38	0.35	0.01	7,713	0.31	0.06	7,739
Switcher – Onsite	0.86	2.36	10.46	0.11	0.10	0.11	504	0.02	0.00	505
Drayage Trucks	~~17.97~~ 14.60	~~110.81~~ 70.32	~~202.99~~ 138.83	~~7.19~~ 8.93	~~4.83~~ 5.69	~~0.88~~ 0.78	~~90,812~~ 82,223	~~0.99~~ 3.68	~~0.88~~ 0.74	~~91,036~~ 83,053
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	2	0.00	0.00	3
Direct-to-Locomotive (DTL) Fueling	0.27	2.29	3.20	0.12	0.08	0.01	1,091	0.01	0.00	1,092
Cargo Handling Equipment	2.00	52.91	4.29	0.21	0.19	0.80	20,924	0.85	0.17	20,994
Transport Refrigeration Units[a]	~~4.45~~ 0.00	~~10.49~~ 0.00	~~9.81~~ 0.00	~~0.03~~ 0.00	~~0.03~~ 0.00	~~0.11~~ 0.00	~~1,441~~ 0	~~0.06~~ 0.00	~~0.01~~ 0.00	~~1,736~~ 0
Storage Tanks	0.15	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~21.66~~ 21.31	~~5.41~~ 5.33	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
2035 Total	~~28.03~~ 20.21	~~216.99~~ 166.01	~~260.28~~ 186.31	~~30.35~~ 31.71	~~11.41~~ 12.15	~~1.93~~ 1.73	~~123,376~~ 113,344	~~2.27~~ 4.90	~~1.14~~ 0.98	~~123,994~~ 114,276
2035 Total Less Baseline	**~~8.99~~ 5.14**	**~~119.69~~ 98.16**	**~~1.03~~ -64.36**	**~~8.98~~ 11.64**	**~~-1.09~~ -0.06**	**~~0.98~~ 0.87**	**~~40,916~~ 14,022**	**~~--.22~~ 0.64**	**~~0.40~~ 0.13**	**~~41,113~~ 14,133**
SJVAPCD Significance Threshold	**10**	**-**	**10**	**15**	**-**	**-**	**-**	**-**	**-**	**-**
Significant Impact?	**No**	**-**	**No**	**No**	**-**	**-**	**-**	**-**	**-**	**-**

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
SO_x = Sulfur oxides
CO = Carbon monoxide
CO_2 = Carbon dioxide
NO_x = Oxides of nitrogen
CH_4 = Methane
PM_{10} = Respirable particulate matter
N_2O = Nitrous oxide
$PM_{2.5}$ = Fine particulate matter
CO_2e = Carbon dioxide equivalent
~~ROG = Reactive organic gases~~

[a] Includes greenhouse gas (GHG) emissions in the form of refrigerant loss.

SOURCE: Sierra Research, 2011

TABLE 4.3-12
MAXIMUM PROJECT CRITERIA POLLUTANT EMISSIONS DURING OPERATIONS

	VOC (tons/year)	NOx (tons/year)	PM_{10} (tons/year)
Baseline (2010)	~~19.04~~ 15.07	~~259.25~~ 250.67	~~21.37~~ 20.07
Project Phase 1 (2013 Emissions Less Baseline)	~~6.31~~ 1.32	~~**18.61**~~ -1.37	~~3.01~~ -1.59
Project Phase 2 (2021 Emissions Less Baseline)	~~**11.98**~~ 8.81	~~**31.29**~~ -13.29	~~14.27~~ 11.53
Project Phase 2 (2035 Emissions Less Baseline)	~~8.99~~ 5.14	1.03 -64.36	~~8.98~~ 11.64
Thresholds of Significance	10	10	15
Significant Impact?	~~**Yes (2021 only)**~~ **No**	~~**Yes (2013 and 2021 only)**~~ **No**	**No**

NOTES:

~~**Bolded text** shows where thresholds of significance would be exceeded.~~

VOC = Volatile organic compounds NO_x = Oxides of nitrogen PM_{10} = Respirable particulate matter

SOURCE: Sierra Research, 2011

The last sentence of the second paragraph on p.4.3-52 of the Draft EIR has been revised as follows:

"~~Because the project's shape and area are limited by surrounding land uses~~ Nonetheless, the facility ~~cannot easily has be~~ has been redesigned to include a dedicated area for TRU electrification. ~~For these reasons, the project is not a good candidate for a TRU electrification project and this option was not considered for the project.~~ As such, this measure has been added as Mitigation Measure AIR-2e (see below). Implementation of this mitigation measure would eliminate future year emissions from TRUs at the rail yard."

Impact AIR-2 on p.4.3-35 has been revised as follows:

"**Impact AIR-2: Air quality thresholds for VOC and NOx would be exceeded during project operations. (Significant ~~and Unavoidable~~)**"

The following sentence has been added to the end of the paragraph under the "Road Dust" heading on page 4.3-41 of the Draft EIR.

"The average drayage truck weight was assumed to be 36.1 tons, which is a very conservative assumption since the SJVAPCD uses a default vehicle weight of 2.4 tons for road dust calculations, even for projects known to include heavier than average vehicles."

The following text under the “Mitigation Measures” heading on p 4.3-56 of the DEIR has been modified.

> “**Mitigation Measure AIR-2e:** The facility shall install electrical infrastructure (i.e. “a reefer rack”) to support the operation of one hundred percent of the expected container TRUs on electrical power while being stored at the facility.
>
> The above mitigation measures would reduce project criteria pollutant emissions ~~in the initial project years (2013 through 2021) when significant impacts are predicted~~ to less than significant levels and have been accounted for in the emission calculations.
>
> **Significance after Mitigation:** ~~Significant and Unavoidable for Years 2013 through 2021.~~ Less than Significant ~~by Year 2035 and thereafter.~~”

The second sentence under Impact AIR-3 on p.4.3-56 of the DEIR has been revised as follows:

> “As described previously, emission sources attributed to the project are predominantly diesel-fueled internal combustion engines contained in locomotives, heavy-duty drayage and delivery trucks, cargo handling equipment, ~~TRUs,~~ and stationary equipment.”

The second sentence of the first paragraph on p.4.3-58 of the DEIR has been revised as follows:

> “The risk values are based on the 70-year DPM emission rate of the rail yard including the project’s two phases (calculated from 2010 through ~~2069~~ 2079) less the 70-year DPM emission rate of the baseline condition (calculated over the same period).”

Table 4.3-13 on p. 4.3-58 of the DEIR has been modified as shown on the following page.

The first sentence of the second complete paragraph on p.4.3-59 of the Draft EIR has been revised as follows:

> “The results of the screening level HRA show that both the maximum exposed residential and workplace receptors would not experience MECR in excess of the SJVAPCD significance threshold of 10 in one million or an increase in the chronic hazard quotient in excess of the SJAPVCD significance threshold of 1.0.”

TABLE 4.3-13
MAXIMUM MODELED PROJECT HEALTH RISK

Location of Exposure (UTM Coordinates)	Annual Average DPM Impacts ($\mu g/m^3$)	Incremental Increase	
		Carcinogenic Risk[a] (per million)	Chronic Hazard Quotient[b] (unitless)
Maximum Exposed Resident ~~(653476, 4189883)~~ (653604, 4191168)	~~0.116~~ 0.014	~~**48**~~ 5.9	~~0.02~~ 0.00
Maximum Exposed Future Worker ~~(653100, 4790700)~~ (653100, 4190700)	~~0.482~~ 0.079	~~**36**~~ 5.9	~~0.10~~ 0.02
Maximum Exposed Current Worker ~~(652734, 4191147)~~ (653409, 4191269)	~~0.242~~ 0.020	~~**18**~~ 1.5	~~0.05~~ 0.00
Point of Maximum Impact ~~(653100, 4190700)~~ (653100, 4190700)	~~0.482~~ 0.079	~~200~~ 32[c]	~~0.10~~ 0.02
Thresholds of Significance		**10**	**1.0**
Significant Impact?		~~**Yes**~~ **No**	**No**

NOTES:

UTM = Universal Transverse Mercator
DPM = Diesel particulate matter
$\mu g/m^3$ = micrograms per cubic meter
~~**Bolded** text represents exceedance of threshold of significance.~~

a Calculated using the Derived OEHHA method as reported by CARB's Hotspots Analysis and Reporting Program (HARP), Version 1.4. This equates to a DPM unit risk factor of 4.15×10^{-4} $(\mu g/m^3)^{-1}$.

b Hazard quotient is the maximum concentration divided by the Chronic Reference Exposure Level (REL) developed by the California Office of Environmental Health Hazard Assessment (OEHHA). The Chronic REL for DPM is 5.0 $\mu g/m^3$.

c The Point of Maximum Impact (PMI) currently lies within an open agricultural field and therefore does not represent a receptor. Hence, the impacts at this location do not exceed the SJVAPCD thresholds of significance. If this area is developed as proposed, the PMI becomes the Maximum Exposed Future Receptor (above), and the appropriate exposure duration corrections are applied.

SOURCE: Sierra Research, 2011

The last bullet on p.4.3-59 of the Draft EIR has been revised as follows:

- "100 percent of TRUs (including those MY 2004 and older listed above), must meet ultra low-emitting TRU requirements (equivalent to a factory or retrofit diesel particulate filter achieving a 75-percent reduction) seven years after the TRU model year, beginning January 1, 2012. It is noted that the due to the adoption of Mitigation Measure AIR-2e, future year DPM on-site operational emissions would be eliminated."

The final sentence of the first paragraph on p. 4.3-60 of the DEIR has been deleted as follows:

"~~However, due to the magnitude of the effective mitigation provided by these measures, additional mitigation may not be feasible.~~"

The second and third sentences of the second paragraph on p. 4.3-60 of the DEIR has been modified as follows:

> "This analysis calculates DPM emissions from the current yard to be ~~2.41~~ 2.33 tons per year in 2010, and emissions from the yard, expanded by the project, to be ~~1.28~~ 1.20 tons per year in 2035. Therefore, the long-term DPM emissions from the project at full buildout would be ~~47~~ 48 percent lower than current DPM emissions."

Impact AIR-3 on p.4.3-56 has been revised as follows*:*

> **"Impact AIR-3: Toxic air contaminant thresholds related to health risks would be exceeded during project operations. (Significant ~~and Unavoidable~~)"**

Mitigation Measure AIR-3, and the conclusion concerning significance on p.4.3-60 of the Draft EIR has been revised as follows:

> "**Mitigation Measure AIR-3:** Implement Mitigation Measures AIR-2a, AIR-2b, AIR-2c, ~~and~~ AIR-2d, and AIR-2e.
>
> **Significance after Mitigation:** Less than Significant ~~and Unavoidable~~"

The first complete paragraph on p.4.3-61 of the DEIR has been revised as follows:

> "As shown in Tables 4.3-9 through 4.3-12, ~~and 4.3-10,~~ the project's criteria pollutant emissions would not exceed the SJVAPCD's mass based thresholds of significance. ~~VOC emissions would exceed the significance threshold in 2021, and the project's NOx emissions would exceed the significance threshold in both 2013 and 2021. The project would not exceed the PM_{10} significance threshold. None of the significance thresholds would be exceeded in 2035.~~ As previously discussed, the benefits of new engine certification regulations, coupled with CARB's fleet modernization rules, have mitigating effects that would ultimately lower emissions below the SJVAPCD significance thresholds, despite projected activity growth. Because these measures are regulatory requirements, they do not constitute mitigation as defined by CEQA. Rather, they are mitigating project features and are enforceable, mainly by CARB, through the record keeping, reporting, labeling, and notification requirements inherent in each regulation. Because these measures would ~~cannot~~ maintain project ~~ozone precursor~~ emissions ~~(VOC and NOx)~~ below the thresholds of significance ~~in 2013 and 2021~~, the project is considered to result in a less than significant ~~and unavoidable~~ cumulative impact in these analysis years only for the criteria pollutant impacts."

The first sentence of the second complete paragraph on p.4.3-61 of the DEIR has been revised as follows:

> "In addition, regional criteria pollutant impacts were evaluated by comparing maximum daily emissions from the rail yard ~~project~~ with emissions of ozone and particulate matter precursors in the SJVAB."

The first sentence of the third complete paragraph on p.4.3-61 of the DEIR has been revised as follows:

> "The rail yard's ~~project's~~ maximum operational emissions (in CY 2021) are compared with the 2020 emission inventories for the SJVPAB in Table 4.3-14. Basinwide emission inventories were obtained from CARB's web-based emission inventory database (CARB, 2011). These comparisons show that the rail yard's ~~project's~~ emissions would have a small impact on regional ozone and particulate matter formation."

Table 4.3-14 on p.4.3-62 of the DEIR is modified, as follows.

TABLE 4.3-14
COMPARISON OF MAXIMUM ~~PROJECT~~ RAIL YARD EMISSIONS TO REGIONAL PRECURSOR EMISSIONS

Ozone Precursors – Tons Per Year	
San Joaquin Valley Air Basin Ozone Precursors	241,010
Project Ozone Precursor Emissions	~~43~~ 261
Project Ozone Precursor Emissions as Percentage of San Joaquin Valley Air Basin	~~0.018%~~ 0.11%
Particulate Matter Precursors – Tons Per Year	
San Joaquin Valley Air Basin Particulate Matter Precursors	364,234
Project Particulate Matter Precursors	~~59~~ 295
Project Particulate Precursor Emissions as Percentage of San Joaquin Valley Air Basin	0.08%

NOTE: Air basin emissions include natural and anthropogenic sources, and were converted from units of tons per day.

SOURCE: Sierra Research, 2011

The first paragraph (after Table 4.3-14) on p.4.3-62 of the DEIR has been modified as follows:

> "The project's individual air toxic emissions were evaluated under Impact AIR-3. The results of a screening-level HRA indicated that the project's MECR is expected to be ~~48~~ 5.9 in one million for the maximum exposed resident, and ~~36~~ 5.9 in a million for the maximum exposed worker, compared to a threshold of

significance of 10 in a million. The threshold of significance for chronic impacts was not exceeded. As previously discussed, these results are based on conservative assumptions that the project would operate at full capacity immediately upon the completion of construction of each phase. Actual increases in risk are expected to be much lower, because activity at the yard would increase gradually in response to regional demand for intermodal transportation services.

Additionally, CARB fleet modernization rules require the phase-in of DPM control devices on every heavy-duty on-highway engine and nonroad engine operating at the project. These rules would actually reduce DPM emissions in 2035 to ~~1.28~~ 1.20 tons per year, compared to current (2010) DPM emissions of ~~2.41~~ 2.33 tons per year, even when the increased activity of the project is taken into account. Therefore ~~Nonetheless~~, the project is considered to have a less than significant ~~and unavoidable~~ health risk impact. ~~because DPM emissions would not decrease to the degree that they otherwise would in the absence of the project.~~"

The final sentence of the first (complete) paragraph on p.4.3-63 of the DEIR has been modified as follows:

"Because the risk from the project alone ~~would exceed~~ is less than the SJVAPCD significance threshold for heath risk, the combined risk of the two proposed projects would not cause a significant and unavoidable impact on health risk since the SJVAPCD significance thresholds represent the acceptable level of risk by which any number of individual projects may increase."

Impact AIR-4 on p.4.3-60 has been revised as follows:

"**Impact AIR-4: Cumulative air quality impacts from criteria air pollutants and toxic air contaminants would exceed thresholds. (Significant ~~and Unavoidable~~).**"

Mitigation Measure AIR-4 and the subsequent significance conclusion on p.4.3-63 of the Draft EIR have been revised as follows:

"**Mitigation Measure AIR-4:** Implement Mitigation Measures AIR-2a, AIR-2b, AIR-2c, ~~and~~ AIR-2d, and AIR-2e. Mitigation measures potentially applicable to the project were reviewed under Impact AIR-2. Because the candidate mitigation measures would reduce both criteria pollutant emissions as well as emissions of air toxics (DPM), the same measures that were feasible to implement under Impact AIR-2 are also considered mitigation measures for Impact AIR-4.

Significance after Mitigation: Less than Significant. ~~and Unavoidable.~~"

FS2-2 **Switchers.** The commenter proposes replacement of the three switch locomotives currently used at the Intermodal Facility with "Gensets" to reduce PM and NOx emissions and also GHG emissions.

The project expansion would enable the Intermodal Facility to load and offload an entire intermodal train length within the facility, whereas now, with the shorter, existing loading ramp, trains must be built and broken down in multiple segments with switchers. Fewer switching movements would be necessary for each intermodal train at the facility, which means the switchers would be used less and have fewer emissions. The project design therefore mitigates impacts from switcher activity.

At the same time, the cost of a new Genset is estimated to be over $1.6 million. Replacing the Intermodal Facility's three current switchers with Gensets would cost over $4.8 million. Using very conservative input values of 6.8 tons per year for NOx, 0.15 tons per year for $PM_{2.5}$ (the total predicted NOx and $PM_{2.5}$ emissions for the three current switchers in 2013), and assuming a 10 year operating life and 2 percent discount rate, the cost effectiveness would be $40 per pound of emission reductions utilizing the same methodology as that employed by CARB in its August 2009 *Technical Options to Achieve Additional Emissions and Risk Reductions from California Locomotives and Railyards* (the "Technical Options Document"). The cost effectiveness of measures considered in the Technical Options Document typically range from less than a $1 per pound to two measures costing as high as $100-200 per pound.

Most emission reduction measures considered in the Technical Options Document would cost less than $5 per pound, making the cost per pound of emission reductions from the use of Gensets far higher than what is considered cost effective under the Technical Options Document. In any event, the implementation of Mitigation Measures AIR-2a, -2b, -2c, -2d and -2e, in light of the more accurate modeling analysis described in Appendix A, would reduce project impacts to air quality to a less than significant level without Gensets. Hence, there are no grounds under CEQA for requiring the utilization of Gensets in connection with the project.

Line Hauls. The commenter next proposes that "Tier 3" and "Tier 4" technology line haul locomotives – referring to the emissions standards of such locomotives - be introduced "into California service as they become available."

The line haul locomotives serving the Intermodal Facility are operated as part of a national network, and changes in their allocation can therefore affect operations throughout the country.

Because they are part of a national network, it is not feasible to condition the use of specific line haul locomotives as part of a project-level EIR. The suggestion that newer locomotives should be preferentially placed in California also goes beyond any effort to address project emissions and is therefore not relevant under CEQA.

In addition, emission standards for locomotives are set by federal law, including by the Environmental Protection Agency ("EPA") in its *Final Rule on the Control of Emissions of Air Pollution From Locomotive Engines and Marine Compression-*

Ignition Engines Less Than 30 Liters per Cylinder, 40 C.F.R. Part 1033 (the "2008 Rule"), and not by CEQA or any other state or local law.

That said, Tier 3 locomotives, which are currently available in limited supply, are equivalent to Tier 2 standards with regard to NOx emissions; thus, use of Tier 3 locomotives would not be an effective mitigation measure for reducing any NOx emissions from the project over Tier 2 models.

While the 2008 Rule creates a Tier 4 locomotive standard, Tier 4 locomotives are not expected to be generally available, feasible and proven until 2015 at the earliest when the new standard takes effect, and it is unknown what such units will cost. Before Tier 4 locomotives can be placed in service, they must be technologically feasible, compliant with Federal Railway Administration and other applicable regulations, operationally feasible, and cost effective. With this in mind, the 2008 Rule provides that older fleet locomotives may be remanufactured to meet higher Tier 0+, Tier 1+ or Tier 2+ emission standards rather than having to be replaced with newly manufactured locomotives. The compliance standards and schedule set by EPA under the 2008 Rule are expressly designed to achieve emissions reductions in a cost effective manner.

Finally, all of California, including the area surrounding the proposed project, now benefits and will continue to significantly benefit from newer/cleaner locomotives traveling into and out of the South Coast Air Basin as a result of investments made by the applicant in complying with the 1998 memorandum of understanding (MOU), an agreement reached by the railroads, including the applicant, with EPA and CARB. In any event, the implementation of Mitigation Measures AIR-2a, -2b, -2c, -2d and -2e, in light of the more accurate modeling analysis described in Appendix A, would reduce project impacts to air quality to a less than significant level without the accelerated introduction of Tier 3 and Tier 4 line haul locomotives.

Electric Cranes. The commenter next proposes the installation of electrified rail-mounted wide-span gantry cranes (WSGs) for moving cargo containers at the Intermodal Facility, replacing the current diesel-fueled, rubber tire gantry cranes (RTGs). The applicant has submitted a letter to the County dated September 17, 2012 (included as Appendix C), describing why WSGs would not be feasible to incorporate into the project for a number of reasons.

First, the applicant notes that, because of the different characteristics of WSGs versus RTGs, the incorporation of WSGs into the Project would require the applicant to construct an entirely new loading ramp and related facilities. As noted in Section 3.3 of the DEIR, the purpose of the project is to expand the capacity of the existing facility and not to construct an entirely new one. The incorporation of WSGs as a mitigation measure would therefore defeat a key project objective and is infeasible on this basis alone. See Sierra Club v. Beringer Wine Estates, 121 Cal. App. 4th 1490, 1507-08 (2004) ("The Reduced Development alternative, while potentially protecting the wetlands, would not achieve the objective of consolidating Beringer's operations to minimize costs and reduce highway usage. On this, and other evidence, the Department, and later the Board, was entitled to find these alternatives to be infeasible.").

The applicant has also estimated that it would cost at least $160 million to integrate WSGs into the project, not including any lost revenue due to down time during construction and/or lost customers. A mitigation measure which alone would approach the cost of a $236 million project would, on its face, not be economically feasible. See Uphold Our Heritage v. Town of Woodside, 147 Cal. App. 4th 587,599, fn 6 (2007) ("the fact that the $5 million cost of the mitigation measure (relocating and renovation) would be in addition to the cost of building a new home before the project goals are achieved supports a reasonable inference that these alternatives are not economically feasible."); City of Fremont v. San Francisco Bay Area Rapid Transit Dist., 34 Cal.App.4th 1780, 1787 (1995) (evidence that project alternative would cost $60 million more than proposed project was sufficient to support finding that alternative was infeasible); see also The Flanders Foundation v. City of Carmel-By-The-Sea, Cal. App. 4th (6th Dist., January 4, 2012) ("[T]he [feasibility] question is not whether [the City] can afford the proposed alternative, but whether the marginal costs of the alternative as compared to the cost of the proposed project are so great that a reasonably prudent property owner would not proceed with the [alternative].") (quoting Uphold Our Heritage, 147 Cal. App. 4th at 600). The applicant has also advised that, because it would cost at least $160 million to incorporate WSGs into the project, and it would potentially lose many important customers during construction downtime, it would likely not proceed with the project if WSG's were required. See Sierra Club v. County of Napa, 121 Cal.App.4th 1490, 1503 (2004) (project applicant's letter demonstrating that project could not be reconfigured to accommodate impact-reducing alternatives was sufficient to support finding of infeasibility); Association of Irritated Residents v. County of Madera, 107 Cal.App.4th 1382, 1401 (2003) (evidence that a reduced-sized project would not fully meet project objectives to enhance profits and might not be economically viable was sufficient to support infeasibility finding).

Finally, the applicant has also advised that, based upon its experience, WSGs are not well suited for domestic versus international facilities. Practical and technical considerations therefore also preclude the incorporation of WSGs at the Intermodal Terminal.

In any event, the implementation of Mitigation Measures AIR-2a, -2b, -2c, -2d and -2e, in light of the more accurate modeling analysis described in Appendix A, would reduce project impacts to air quality to a less than significant level without WSGs. Hence, there are no grounds under CEQA for requiring the utilization of WSG's in connection with the project.

Refrigeration Units. The next comment proposes the "[i]nstallation of electric support infrastructure for transport refrigeration units."

The applicant has advised the County that it will agree to construct the infrastructure necessary for plug-in electric power for approximately 40 transport refrigeration units

(TRUs), known as a "reefer rack," as a mitigation measure in response to this comment. The Intermodal Facility currently handles approximately 20 TRUs per week so a reefer rack accommodating 40 TRUs would be sufficient to handle growth from the project based upon current volumes and market projections. The EIR has been revised to include this added mitigation measure, as indicated below. Likewise, the EIR emission tables have been recalculated as indicated below to eliminate future year emissions from TRUs. The result of this new mitigation measure reduces the VOC impact to a level below the SJVAPCD significance level in 2021, such that VOC emissions are not significant in any analysis year.

Gate Readers. The commenter next proposes the installation of electronic gate readers and tags on drayage trucks to verify compliance with CARB's Drayage Truck Rule ("DTR"), which requires truck operators to meet increasingly stringent controls on emissions.

Drayage truck compliance is already addressed on a State-wide basis by CARB under the DTR. Under the DTR, the applicant is required to report any non-compliant trucks that visit the facility. Whether the applicant installs gate readers or relies on some other means of compliance determination, it must report the same data required by CARB under the DTR. The applicant has also advised that the AGS gate that would be installed as part of the project would improve data accessibility, including of truck compliance with the DTR, by providing eight photographic images of various parts of each drayage truck, including whether the truck has the required CARB sticker associated with the rule. An electronic gate reader would not provide the same breadth of information as an AGS gate, and would not reduce drayage truck emissions in any way. Furthermore, as shown in Table 1 of the Air Quality Technical Memo (see Appendix A), the compliance rate with the DTR has improved dramatically since the baseline year. During the first quarter of 2010 (the baseline year), 14,136 unregistered drayage trucks were reported to CARB. During the second quarter of 2012, only a single unregistered drayage truck was reported. See Appendix A (page 8).

Phase 2/Zero Emissions for Drayage Trucks. The commenter proposes that, concurrent with Phase 2 of the project, the applicant work "with stakeholders to develop a phased implementation of zero-emission and hybrid technologies for drayage trucks, once these technologies become more widely available."

The Ports of Los Angeles and Long Beach ("Ports") have evaluated Zero Emission Container Movement Systems (ZECMS) over the past five years for use at their terminals and other goods movement facilities, including with respect to drayage truck movements. The performance requirements and attributes for such systems were most recently laid out in a *Roadmap for Moving Forward with Zero Emission Technologies at the Port of Long Beach and Port of Los Angeles* (the "Roadmap"). The Roadmap concludes that "None of the zero emission technology options considered to date is ready for full-scale implementation." The Southern California Association of the Governments (SCAG) reached the same conclusion in its Goods Movement Appendix of the Draft Regional Transportation Plan (RTP), noting the "difficult challenges associated with [ZECMS], especially with regard to operational needs, integration of the technologies into the national rail system, federal safety requirements, and costs."

FS2-3 **HRA Update/Proposed Additional Mitigation.** This recommendation has been noted, however, the implementation of Mitigation Measures AIR-2a, -2b, -2c, -2d and -2e, in light of the more accurate modeling analysis described in Appendix A, would reduce project impacts to air quality to a less than significant level. There is no basis for requiring a future health risk assessment. Using a future health risk assessment to identify future mitigation measures, without any definitive standards or criteria, would also constitute deferred mitigation.

FS2-4 **Land Use Limits.** It should be noted that there are no such sensitive land uses or designations for such uses within 1,000 feet of the Intermodal Facility, and the DEIR concludes that the project would not conflict with any applicable land use plan policy or regulation (see p. 4.1-13 of the DEIR). In addition, within the AG-40 zone in which the project site lies, such sensitive uses are either not permitted at all, or could not be permitted without discretionary review by the County, including consideration of any relevant conditions of approval to ensure the compatibility of adjacent land uses.

NATURAL RESOURCES AGENCY EDMUND G. BROWN, JR., GOVERNOR

DEPARTMENT OF CONSERVATION

Managing California's Working Lands

DIVISION OF LAND RESOURCE PROTECTION

LAND RESOURCE PROTECTION

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November 8, 2011

VIA Email: mhatef@sjgov.org
Ms. Mo Hatef
San Joaquin County Community Development Department
1810 East Hazelton Avenue
Stockton, CA 95205

Subject: DEIR for the Union Pacific Railroad Intermodal Modernization Project - SCH# 2010082016

Dear Ms. Hatef:

The Department of Conservation's (Department) Division of Land Resource Protection (Division) has reviewed the DEIR for the Union Pacific Railroad Intermodal Modernization Project. The Division monitors farmland conversion on a statewide basis and administers the California Land Conservation (Williamson) Act and other agricultural land conservation programs. We offer the following comments and recommendations with respect to the proposed project's potential impacts on agricultural land and resources.

Project Description

The proposed project is the modernization and expansion of the existing Union Pacific (UP) Intermodal Facility. The existing facility, which has operated since 1993, covers an approximately 132-acre footprint on 238 acres of land owned or leased by Union Pacific. Union Pacific is in negotiations to acquire another 40 acres for a total of 278 acres, and the expanded facility would use the entire site.

The facility lies in close proximity to two major highways, Interstate 5 (I-5) and State Route (SR) 99, and segments of the Union Pacific main line. The facility therefore serves as a transportation hub and railroad-to-truck transfer point for agricultural and other domestic freight. Intermodal cargo units are transferred from rail car to truck for local/regional distribution and from truck to rail car for long-haul shipment by rail as an alternative to long-haul truck shipment on regional highways. FS3-1

The land to the north, northeast, east, and south of the current facility is used for agriculture. Light industrial uses exist to the northwest and southwest of the current site. The land proposed for the facility expansion is now generally used for agricultural uses, including row crops, cherry orchards and almond orchards.

Implementation of the proposed project would result in the permanent conversion of

The Department of Conservation's mission is to balance today's needs with tomorrow's challenges and foster intelligent, sustainable, and efficient use of California's energy, land, and mineral resources.

approximately 154 acres of Important Farmland (approximately 115 acres of Prime Farmland and approximately 39 acres of Farmland of Statewide Importance). The proposed project site is not under a Williamson Act contract. The nearest property under Williamson Act contract is located approximately 1,000 feet northeast of the project site.

Division Comments

On page 4.1-16 of the DEIR, County states that implementation of the proposed project would result in the permanent conversion of land designated by the Department of Conservation Farmland Mapping and Monitoring Program as Prime Farmland and Farmland of Statewide Importance. The following is stated in the DEIR below that statement:

> *For the proposed project, avoidance and minimization is not feasible in order to achieve the project's objectives, as the capacity of the facility would be increased primarily through the expansion of the existing facility footprint and augmentation and utilization of existing site infrastructure, rather than through a separate, offsite location. A new offsite location would also potentially cause impacts to agricultural resources by fragmenting such resources, rather than an expansion of an existing industrial area. Restoration is infeasible, as the project would result in a developed intermodal facility which utilizes all of the facility footprint for facility operations. Preservation in this instance is similar to avoidance, and is infeasible for the same reason. Compensation can take the form of offsite acquisition of farmland, typically an Agricultural Conservation Easement (ACE). An ACE, however, would not replace the agricultural land lost due to implementation of the project. Thus, the project would result in a loss of Important Farmland and the impact would be significant and unavoidable.*

The County's comments on mitigation do not go far enough in discussing the potential remedies available for offsetting the loss of agricultural land. There is a vague discussion about mitigation, but no specific discussion of what was proposed and found to be infeasible. Nor are there sufficient explanations as to why such measures, such as conservation easements or in-lieu fees, would not be feasible.

A principal purpose of an EIR is to present a discussion of mitigation measures in order to fully inform decision-makers and the public about ways to lessen a project's impacts. In some cases, the argument is made that mitigation cannot reduce impacts to below the level of significance because agricultural land will still be converted by the project, and, therefore, mitigation is not required. However, *reduction to a level below significance is not a criterion for mitigation. Rather, the criterion is feasible mitigation that lessens a project's impacts.*

The Division recommends that the County discuss the specific types of mitigation considered and offer reasonable and detailed explanations as to why these mitigations are not feasible.

FS3-1 cont.

Mitigation Measures

Although direct conversion of agricultural land is often an unavoidable impact under California Environmental Quality Act (CEQA) analysis, mitigation measures must be considered. The adoption of a Statement of Overriding Consideration does not absolve an agency of the

FS3-2

requirement to implement feasible mitigation that lessens a project's impacts.

Pursuant to CEQA Guideline §15370, mitigation includes measures that "avoid, minimize, rectify, reduce or eliminate, or compensate" for the impact. All measures allegedly feasible should be included in the DEIR. Each measure should be discussed, as well as the reasoning for selection or rejection. A measure brought to the attention of the Lead Agency should not be left out unless it is infeasible based on its elements.

The loss of agricultural land represents a permanent reduction in the State's agricultural land resources. As such, the Department brings to the County's attention, the use of permanent agricultural conservation easements on land of at least equal quality and size as compensation for the direct loss of agricultural land. Even though a measure may not fully reflect compensation for loss of agricultural land, any compensation is better than none, when mitigation is used to minimize impacts from a project.

Implementation of the proposed project would result in the permanent conversion of approximately 115 acres of Prime Farmland and approximately 39 acres of Farmland of Statewide Importance. This is a significant impact and mitigation measures, even partial, should be applied in this situation. The Department suggests conservation easements, as they will protect a portion of those remaining land resources and lessen project impacts in accordance with CEQA Guideline §15370. The Department highlights this measure because of its acceptance and use by lead agencies as an appropriate mitigation measure under CEQA and because it follows an established rationale similar to that of wildlife habitat mitigation. FS3-2 cont.

Mitigation via agricultural conservation easements can be implemented by at least two alternative approaches: the outright purchase of easements or the donation of mitigation fees to a local, regional or statewide organization or agency whose purpose includes the acquisition and stewardship of agricultural conservation easements. The conversion of agricultural land should be deemed an impact of at least regional significance. Hence the search for replacement lands should not be limited strictly to lands within the project's surrounding area.

One source that has proven helpful for regional and statewide agricultural mitigation banks is the California Council of Land Trusts, which can be found at:

http://www.calandtrusts.org

The California Council of Land Trusts deals with all types of mitigation banks. It is suggested that the County contact them to get an understanding of the fees associated with mitigation banking and the options available.

Another source is the Division's California Farmland Conservancy Program (CFCP), which has participated in bringing about conservation easements throughout the State of California involving Land Trust Alliance, the California Council of Land Trusts, and the American Farmland Trust. The establishment of an easement in the County is potentially feasible. If the County were not able to make arrangements for easement mitigation through one of these or many other land trusts operating in California, the Department would be glad to help. We recommend that the DEIR seriously consider either an agricultural conservation easement or in-lieu fees for this project. Of course, the use of conservation easements is only one form of mitigation that should be considered. Any other feasible mitigation measures should also be considered.

Thank you for giving us the opportunity to comment on the DEIR for the Union Pacific Railroad Intermodal Modernization Project. Please provide this Department with the date of any hearings for this particular action, and any staff reports pertaining to it. If you have questions regarding our comments, or require technical assistance or information on agricultural land conservation, please contact Meri Meraz, Environmental Planner, at 801 K Street, MS 18-01, Sacramento, California 95814, or by phone at (916) 445-9411.

FS3-2 cont.

Sincerely,

John M. Lowrie

John M. Lowrie
Program Manager
Williamson Act Program

cc: State Clearinghouse

Letter FS3. California Department of Conservation

FS3-1 Although the applicant does not agree that it has an obligation to mitigate for the loss of farmland as a result of the project, the applicant has agreed to mitigate the loss of Important Farmland through the methods described in Mitigation Measure LAND-1. (See full text of this measure, below). Therefore, in response to this comment, Impact LAND USE-1 and the last two sentences of the last paragraph on page 4.1-16 of the Draft EIR are modified as follows, including the addition of Mitigation Measure LAND-1:

> **"Impact LAND USE-1: Implementation of the proposed project would result in the permanent conversion of land designated by the Department of Conservation Farmland Mapping and Monitoring Program (FMMP) as Prime Farmland, Farmland of Statewide Importance or Unique Farmland. (Significant ~~and Unavoidable~~)"**

> "An ACE~~, however,~~ would not replace the agricultural land lost due to implementation of the project, however, an ACE would compensate for the loss of such land by preserving farmland in like quantity and quality. Thus, with implementation of Mitigation Measure LAND-1, the ~~project would result in a~~ loss of Important Farmland from the project ~~and the impact~~ would be **less than significant ~~and unavoidable~~**.

> **Mitigation Measure LAND-1:** To mitigate the conversion of Important Farmland for the project, the project sponsor shall either dedicate or acquire a conservation easement which preserves farmland or pay in lieu fees for the acquisition of such an easement. A conservation easement is an encumbrance sometimes including a transfer of usage rights (easement) which creates a legally enforceable land preservation agreement between a landowner and a government agency (municipality, county, state, federal) or a qualified land protection organization (often called a "land trust"), for the purposes of conservation. It restricts real estate development, commercial and industrial uses, and certain other activities on the property. This mitigation strategy would ensure that the acquisition of the conservation easement land achieves maximum benefits for the residents of San Joaquin County and other public or private land conservation programs. The number of acres of agricultural land subject to a conservation easement shall be equal to the number of acres of Important Farmland that would be changed to a non-agricultural use by the proposed project [a 1:1 ratio] and of equal or better quality as the Important Farmland converted by the project. Final approval of the proposed project shall be contingent upon the execution of the legal instrument to create a conservation easement as described herein or payment of an in-lieu fee to a government agency or qualified land protection organization/land trust, including SJCOG Inc. under the San Joaquin Multiple Species

> Conservation Program (SJMSCP), for the acquisition of such an easement within San Joaquin County. A conservation easement which preserves farmland may be combined with a conservation easement which also preserves habitat for biological resources, including under the SJMSCP, provided the easement preserves farmland of equal quantity and quality as the Important Farmland converted by the project.
>
> **Impact Significance after Mitigation:** Less than Significant ~~and Unavoidable~~."

In addition, Impact LAND USE-2 and the last sentence of the first paragraph on page 4.1-17 of the Draft EIR are revised as follows:

> **"Impact LAND USE-2: The project would contribute to the cumulative loss of Important Farmland in San Joaquin County (Significant ~~and Unavoidable~~)"**

> "This would contribute to cumulative farmland conversion in San Joaquin County.~~;~~ However, as noted above, an ACE would compensate for the loss of such land as a result of the project by preserving farmland in like quantity and quality. ~~therefore, the project,~~ Thus, when combined with other development within the County, the loss of agricultural land is a significant cumulative impact. The project, with implementation of Mitigation Measure LAND-1, would not result in a cumulatively considerable contribution to a significant cumulative impact to Important Farmland~~, which would be significant and unavoidable~~.
>
> **Impact Significance after Mitigation:** Less than cumulatively considerable ~~Significant and Unavoidable~~."

Because the addition of Mitigation Measure LAND-1 would not introduce any significant new impacts that were not already discussed in the Draft EIR, no recirculation of the Draft EIR is necessary under CEQA.

FS3-2 Please see Response to Comment FS3-1, above.

CITY OF MANTECA

COMMUNITY DEVELOPMENT
DEPARTMENT

November 7, 2011

Ms. Mo Hatef
Associate Planner
San Joaquin County CDD
1810 East Hazelton Av
Stockton, CA 95205-6232

SUBJECT: MANTECA COMMENTS ON THE DEIR (PA-0900185) FOR THE UNION PACIFIC RAILROAD INTERMODAL MODERNIZATION PROJECT (SCH# 2010082016)

Dear Ms. Hatef:

The City of Manteca retained the services of Fehr and Peers to review the subject DEIR for its adequacy of the project's projected impacts on City of Manteca roadways. Please accept this letter and its attachment as the City of Manteca's comments on the DEIR for the Union Pacific Railroad Intermodal Modernization Project in compliance with CEQA 15086, a, 4.

As you will find in the attached analysis, the City of Manteca is primarily concerned with the project's impacts to the Oakland Subdivision at-grade railroad crossing on Roth Road. Fehr and Peers points out that the project will significantly impact the at-grade crossing, and that there are some unanswered question and data that will better define the impact and need for mitigation. However, the real problem is that the proposed mitigation is payment of a fee for a grade separation that has yet to be defined so at this time there is no method to collect the fee or cost to base a fair share payment upon. RL1-1

The City of Manteca strongly encourages the County to coordinate with the Cities of Lathrop and Manteca, and the San Joaquin Council of Governments to establish a mutual agreement on the collection of a fee to ensure that all developments that contribute to the impact of the at-grade crossing are required to pay their fair share towards the needed grade separation.

We are in support of the subject project as it complements the efforts of the City of Manteca to develop the Northwest Airport Way Master Plan area and the CenterPoint development. We appreciate the opportunity to review the project's DEIR and to provide information which we find will

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help increase the accuracy of the project's environmental analysis and mitigation. We look forward to reviewing the responses to our comments in the project's Final EIR. RL1-1 cont.

Sincerely,

Mark Meissner
Planning Manager

attachment: F&P Analysis

cc: Frederic Clark, City of Manteca, Community Development Department Director
Charles Mullen, City of Lathrop, Principal Planner
Dana Cowell, SJCOG, Deputy Director - Planning, Programming, and Project Delivery

FEHR & PEERS

October 31, 2011

Mr. Mark Meissner
Planning Director
City of Manteca
1001 West Center Street
Manteca, CA 95337

Re: Review of *Union Pacific (UP) Modernization and Expansion Project Draft EIR*
RS11-2933

Dear Mr. Meissner:

Fehr & Peers is pleased to submit this comment letter on behalf of the City of Manteca for the referenced project. Our review focused on the adequacy of the analysis of the project's expected travel characteristics, and project impacts on City of Manteca roadways.

General Comments

The transportation analysis in the *UP Modernization/Expansion Draft EIR* (2011) makes frequent reference to and use of data prepared for the *Final Transportation Impact Study for Northwest Airport Way Master Plan* (Fehr & Peers, July 27, 2010). As the authors of that study, we support its usage in instances where environmental, background, and regulatory conditions have not changed.

The transportation analysis for the *UP Modernization/Expansion Draft EIR* (2011) appears to have been prepared in accordance with CEQA guidelines. The study analyzes a variety of transportation modes across a large geographic study area. Assumptions, analysis scenarios, and methods appear to comply with CEQA guidelines. RL1-2

Trip Generation/Distribution

Phase I of the expansion would increase the number of annual cargo container lifts from 270,000 to 400,000, which is a 48% increase. The site's trip generation would increase from 1,770 daily trips to 2,700 daily trips, a 53% increase. This comparison confirms that the project's trip generation increases proportionally with its increase in lifts due to expanded operations. Similarly, project buildout (i.e., Phase I and II) shows similar conclusions (i.e., 170% increase in lifts, and 173% increase in daily trips).

1. An August 10, 2011 memo in Appendix F makes reference to the inclusion of the recently approved Northwest Airport Way Master Plan in the list of cumulative projects. An early phase of this master plan will likely be the Centerpoint Intermodal Center (CIC). The CIC would be situated adjacent to the UP Intermodal Terminal to allow the contents of containers to be stored in on-site warehouses, assembled in on-site facilities, and distributed off-site by truck or rail. Internal street connections between the two projects will be provided (see Page 3-22 of the *UP Modernization/Expansion Draft EIR*). RL1-3
    - Why didn't the cumulative trip generation of the UP expansion project consider the internal trip-making effects of this adjacent, complementary land use?

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2. Figure 4.2-4 shows that 38% of inbound trucks due to the expansion are expected to be to/from the east on Roth Road. This percentage appears inconsistent with the existing AM and PM peak hour volumes (shown in Appendix F) at the UP driveway, of which 15% are to/from the east on Roth Road and 85% are to/from the west on Roth Road. RL1-4
   - If the UP-provided truck driver log data shows a 38% east / 62% west split, why weren't new counts collected at the project driveway to capture this behavior?

3. According to pages 4.2-3 and 4.2-4, maintenance building employees and delivery vehicles would enter the south end of the facility via an existing access road on Lathrop Road. RL1-5
   - If the project causes either existing or new employees or delivery vehicles to use an access on Lathrop Road, why wasn't this reflected in the trip distribution exhibits and project-only traffic assignments in Appendix F?

Impacts and Mitigations at Intersections in Manteca

Table 4.2-7 indicates that the Airport Way/Lathrop Road and Airport Way/Daisywood Drive intersections are significantly impacted by the project under cumulative conditions. Table 4.2-8 correctly classifies these intersections as being within the jurisdiction of Manteca. We recommend that the corresponding impact statements (TRANS-18 and TRANS-21) clarify that these impacts are occurring within the jurisdiction of Manteca. The impact statement currently reads as though the impact is due to the facility being part of the County's Regional CMP network versus an intersection maintained by an adjacent agency that is significantly degraded. RL1-6

The proposed mitigation measures for TRANS-18 and TRANS-21 impacts call for the applicant to pay applicable fees into the RTIF program if the identified improvements at each intersection are included within the program at the time of building permit applications. Alternatively, the applicant would pay a pro-rata share to San Joaquin County and the City of Manteca if they established a joint fee collection program that covers this improvement. The City of Manteca's Public Facilities Implementation Plan (PFIP) already includes the widening of Lathrop Road and Airport Way to four lanes in the study area. The City of Manteca is willing to accept a fair-share payment from the applicant as mitigation for the project's impacts at these two intersections. RL1-7

Easterly Roth Road At-Grade Railroad Crossing (Oakland Subdivision Line)

Impact TRANS-39 identifies a cumulatively significant impact caused by the project at this crossing due to the potential for eastbound traffic to queue back from the at-grade railroad crossing to I-5. Recommended mitigation consists of the applicant making a fair share payment to San Joaquin County for the cost to construct a highway grade-separation of the tracks.

The technical analysis supporting this conclusion is found in Appendix F.12 of the DEIR. This appendix contains a memo dated August 15, 2011 from TranSystems, which presents average and maximum queue lengths at the at-grade crossing under various horizon periods. Our review of this information has yielded a number of questions that need to be answered to fully understand the impacts of the proposed project on this at-grade railroad crossing. RL1-8

According to Table 3 in Appendix F, the easterly at-grade railroad crossing on Roth Road is expected to result in a maximum 3-mile queue in the eastbound direction and a 2-mile queue in the westbound direction under 2035 with project conditions. These queues would extend well beyond the I-5 interchange and Airport Way. To put these vehicle queues in perspective, Table 3 indicates that the maximum queue is currently less than ¼-mile in either direction.

The reported vehicle queue in 2035 in the eastbound direction would be about 630 vehicles based on typical length of 25 feet per vehicle. In 2035, the eastbound direction of Roth Road is expected to serve about 815 vehicles during the entire PM peak hour. The following conclusion is reached based on this data:

- Approximately 77 percent of the total hourly eastbound traffic volume on Roth Road will be "in queue" at one time waiting for the train crossing to be completed. This appears to be a rather suspect conclusion.

- To what degree are these extensive queue lengths being caused by traffic growth on Roth Road or additional train crossings? Page F-76 states the following:

  > *"However, the average delays for the 2021 and 2035 Proposed Conditions are substantially longer (than existing conditions). This is due primarily to the number and length of trains crossing Roth Road."*

  This statement appears to suggest that vehicle queues on Roth Road that are projected to extend from I-5 to Airport Way are due to the additional number and length of trains resulting from the UP Modernization/Expansion Project. If this is not the case and these additional trains are associated with other sources/operations, the DEIR should have explained this in more detail.

RL1-8 cont.

To give readers a better understanding of the expected impacts of the proposed project at the Roth Road at-grade railroad crossing, the following information should be provided in the FEIR:

- Detailed information regarding frequency, length, crossing duration of trains under 2035 "no project" and "with project" conditions.
- Confirm reasonableness of maximum queue calculations based on suspect conclusion listed above.
- Realistic LOS results at the project access intersection on Roth Road. Page 4.2-52 of the DEIR shows 2035 with project LOS results of "C" or better, which appears to not consider the substantial vehicle queues and delays shown in Appendix F due to train crossings.
- Any plans to consolidate the UP access and the proposed westerly Centerpoint Intermodal Center (CIC) Access, and the resulting operations of the joint access intersection.
- Any plans to widen Roth Road along the UP facility frontage. The 2035 with project forecasts in the DEIR show 1,630 PM peak hour vehicles on Roth Road west of the UP access. Should widening to three or more lanes for capacity and/or storage purposes be considered?

Answers to these questions and data requests should be included in the Final EIR. Without this important information, readers cannot infer the extent to which the UP Modernization/Expansion Project is impacting the at-grade railroad crossing on Roth Road. Further, the absence of this data brings into question the validity of a fair share payment for an overcrossing as an adequate mitigation. Per Page 4.2-71 of the DEIR, the project's fair share payment would be made into the County's RTIF program, which does not include this grade-separation improvement. RL1-8 cont.

Please call or e-mail me if you have any questions or need additional information.

Sincerely,

FEHR & PEERS

John Gard, P.E.
Principal

Letter RL1. City of Manteca

RL1-1 Impact TRANS-39, on page 4.2-71 of the DEIR, indicates that, after buildout of the project (Phases I and II), eastbound vehicles stopped at the Roth Road/Union Pacific Oakland Subdivision at-grade rail crossing are projected to queue as far back as the I-5 interchange at Roth Road under cumulative conditions. Mitigation Measure TRANS-39 states that construction of a grade-separation/overpass at this at-grade crossing would mitigate such an impact. However, because this is a cumulative impact, and not an impact caused by the project itself, the project's obligation under Section 15130 of the CEQA Guidelines is to fund its "fair share" of the cost of this mitigation measure, along with other projects contributing to the impact, through a mitigation fee program. Mitigation Measure TRANS-39 therefore requires mitigation through: (i) the payment of the Regional Transportation Impact Fee (RTIF) if a Roth Road grade-separation/overpass becomes an eligible project under the RTIF program at the time of building permit applications, or (ii) the payment of fees to San Joaquin County based upon the project's equitable fair share of the cost of such an improvement if an alternative fee collection program exists at the time of building permit applications.

Because any grade separation/overpass would partially lie outside the County's jurisdiction, the County (as Lead Agency) does not have the authority to unilaterally cause the funding and construction of such an improvement, including through a fee program. As the commenter notes, a grade separation at the Roth Road/UP Oakland Subdivision would require the coordination and cooperation of the City of Manteca ("Manteca"), the County and the City of Lathrop ("Lathrop") given that this segment of Roth Road crosses all three jurisdictions, and projects in all three jurisdictions will adversely affect the crossing. The commenter also notes that, without a mutual agreement in place between Manteca, the County and Lathrop, there is no design or fee collection method at this time for a grade separation project. Because the applicant cannot be required to pay a fair share mitigation fee under a plan or program that does not exist, particularly where the mitigation measure in question partially lies outside the County's jurisdiction as the lead agency (Tracy First v. City of Tracy, 177 Cal. App. 4th 912 (2009)), Impact TRANS-39 concludes that this impact is significant and unavoidable unless a reasonable, enforceable plan or program is created to ensure the construction of a grade separation project.

In January 2012, after the commenter's letter was submitted, the San Joaquin Council of Governments (SJCOG) approved the addition of Roth Road from I-5 to Airport Way as part of the Regional Transportation Impact Fee (RTIF) Network. This segment of Roth Road is now eligible to receive RTIF funding administered by the SJCOG, a joint powers authority of which Manteca, the County and Lathrop are members.

The RTIF program is therefore a definitive fee-based program which could provide for the construction of a grade separation on Roth Road with fair share funding from all regional projects adversely affecting the current at-grade crossing. If a grade separation project becomes an approved project under the RTIF program by the time the applicant applies for building permits, the applicant would be required under Mitigation Measure TRANS-39 to contribute its fair share of the cost of construction of such a project by paying the applicable fees for the project under the RTIF program. Unless Roth Road is removed by the County under its TIMF program in the next TIMF update, it may also be possible to apply TIMF funding, including TIMF fees paid by the applicant, towards a grade separation project.

If a grade separation project is not included under the RTIF (or TIMF) program at the time of building permit applications, but an alternative fee collection program is created by the County, the City of Lathrop, and the City of Manteca for such an improvement at the time of building permit applications, TRANS-39 would require the applicant to contribute its fair share of fees under such alternative program. Otherwise, if no fee collection program exists or is created by the County, the City of Lathrop, and the City of Manteca to provide funding for a grade separation project, given that this improvement would lie partially outside the County's jurisdiction, the impact would be significant and unavoidable.

RL1-2 Comment noted.

RL1-3 The DEIR did not consider the internal trip making effects of the Center Intermodal Center (CIC) for the following reasons: Although the potential for localized truck trip reduction benefits along Airport Way and Roth Road from the possible juxtaposition of the CIC is acknowledged, it is inappropriate for these potential truck trip reduction benefits to be credited towards this analysis given (1) uncertainty regarding whether and when the CIC may be constructed, (2) uncertainty regarding the potential volume of traffic that would use an internal access road between the two facilities, and (3) the need under CEQA to undertake a conservative analysis of potential project impacts.

RL1-4 The commenter asks about the seeming inconsistency between the distribution of project-generated trips (Figure 4.2-4, page 4.2-21 of the DEIR) and turning movement count data at the UP facility driveway. The difference in percentages cited by the commenter is attributable to (1) temporal fluctuations, i.e., the existing AM/PM peak-hour counts reflecting a 3-day period during the month of October versus the truck distribution reflecting a full 12 months of data from the UP truck dispatch log provided in the DEIR at Appendix F.19; and (2) the fact that the AM/PM peak-hour count data reflect all vehicles (i.e., trucks, private vehicles driven by employees and visitors, delivery trucks) versus the truck distribution, which reflects only truck movements.

RL1-5 The AM/PM peak-hour utilization of the southerly secondary access for maintenance building employees and deliveries is insignificant based on UP gate records described at Appendix F.3 of the DEIR. Nonetheless, these trips were reflected in the peak-hour project trip distribution and analysis in Section 4.2 of the DEIR.

RL1-6 The second sentence of the TRANS-18 and TRANS-21 impact statements (pages 4.2-59 and 4.2-61, respectively) has been revised as follows, to clarify jurisdiction:

> "Given that this City of Manteca facility is designated as part of San Joaquin County's Regional Congestion CMP, this impact is also identified as a CMP impact."

RL1-7 The comment notes that the mitigation measures described in Impacts TRANS-18 and TRANS-21 are included under Manteca's Public Facilities Implementation Plan ("PFIP"), and that Manteca is willing to accept fair share payments as mitigation for project-related impacts at two intersections. The comment does not provide an estimated calculation of the project's equitable fair share of the cost of these mitigation measures or, alternatively, clarify whether application of the PFIP to the project is requested. Because the PFIP is a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of Impacts TRANS-18 and TRANS-21, the applicant would be required under Mitigation Measures TRANS-18 and TRANS-21 to make a fair share payment to the County based upon a calculation of the project's fair share of future traffic at these intersections, as reported in the DEIR, and the verified cost of Mitigation Measures TRANS-18 and TRANS-21. The project would not be required to fund the cost of improvements going beyond the scope of Mitigation Measures TRANS-18 and TRANS-21. Such fees will be collected and held by the County in accord with California law until the improvements set forth in Mitigation Measures TRANS-18 and -21 are scheduled for construction.

RL1-8 The commenter asks for confirmation of the maximum queue length calculations at the Roth Road at-grade crossing under 2035 conditions as reported in Table 3 of DEIR Appendix F.12. The reported peak queue length spikes during the last half hour of the total 1.6-hour VISSIM simulation period. The very large queue does not well represent the entire simulation period. See the queue broken down by 15-minute intervals, below.

QUEUE ON ROTH EASTBOUND AT RAILROAD CROSSING (15-MINUTE INTERVAL)

Simulation Time Period (seconds)	Average Queue (feet)	Maximum Queue (feet)
900	0	0
1,800	0	0
2,700	2,975	6,247
3,600	2,129	6,558
4,500	2,426	5,488
5,400	8,413	11,344
6,000	13,528	15,656

In the model, there is a train activity (at around 4,000 seconds of simulation time) that blocks traffic for nearly 20 minutes before another train arrives. These two train activities combined stop traffic for nearly 30 minutes at the crossing in the analysis.

Hence, the extensive queue shown as part of the 2035 analysis is a result of two train crossings – the second occurring before the queue from the first can clear.

These queue lengths are being caused by the combination of an increase in the amount of vehicular traffic on Roth Road under cumulative conditions and a projected increase in the number and length of trains crossing Roth Road on Union Pacific's Oakland Subdivision main line and spur track from the main line to the Intermodal Facility (associated with the facility handling additional cargo containers and undertaking additional lifts). Regarding the commenter's request for additional information regarding potential impacts of the project associated with the Roth Road at-grade crossing, the following responses are provided, bullet by bullet:

- The schedule of train arrivals and departures for existing (no project) and future (with project) conditions is listed in DEIR Appendix F.4. The difference between future-year train arrivals and current train arrivals are the project-based train arrivals. Without the proposed project, current train arrivals are expected to remain approximately the same for future years, i.e., the current schedule is roughly equal to the 2035 (no project) condition.

- See explanation above regarding the maximum queue calculations.

- The VISSIM analysis documents the hour of greatest impact of the project to the rail crossing, producing the longest queue spillback, by analyzing the hour of greatest conflict between vehicular traffic and train crossings. The hour of greatest vehicular traffic/train conflict, as set forth in Table 1 of DEIR Appendix F.12, is not at the AM or PM peak hour for vehicular traffic alone, because there are fewer train crossings during vehicular AM/PM peak hours than at other times of the day. Thus, picking the AM or PM peak hour for vehicular traffic for the VISSIM analysis would have understated rail crossing impacts. Because the hour of greatest vehicle/train conflict does not coincide with AM/PM vehicular peak hours, the peak AM/PM LOS at the facility driveway is not adversely affected by this crossing/conflict and queue spillback.

- The EIR for the Northwest Airport Way Master Plan does not reveal, discuss or analyze specific access points for the CenterPoint Intermodal Center from Roth Road, and, at the time the DEIR was drafted, there was no agreement between the applicant and CenterPoint to consolidate access from Roth Road to their respective projects. It would have therefore been speculative for the DEIR to discuss and analyze a consolidated site access that had not been designed or incorporated into the applicant's project. Subsequent to the writing of the DEIR and the commenter's letter, representatives for the applicant and CenterPoint met with staff for the County and Manteca to discuss options for coordinating vehicular access for the two respective projects from Roth Road to eliminate the need for multiple, signalized intersections in proximity to one another. Union Pacific and CenterPoint have now agreed in principle to create a consolidated site access for their respective projects from Roth Road and on a design concept, and are working to create a definitive agreement. Regardless of final design, consolidating access for the Union Pacific and CenterPoint facilities from Roth

Road would not increase Union Pacific or CenterPoint project trips to the local roadway network and, therefore, would not create significant impacts to the local roadway network that have not already been discussed and analyzed in the DEIR. Any final design for a consolidated site access for the two facilities would therefore be submitted, reviewed and implemented as part of final building and grading permits for Union Pacific's and CenterPoint's respective projects.

- The transportation impacts analysis of the DEIR did not identify a significant impact to the capacity of Roth Road to handle project- generated traffic under either existing or future cumulative conditions. The DEIR therefore does not analyze or discuss expanding Roth Road as a mitigation measure.

City of Lathrop

Community Development Department

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November 3, 2011

Mo Hatef
San Joaquin County Community Development
Development Services Division
1810 East Hazelton Avenue
Stockton, CA 95205

Subject: City of Lathrop Comments on Draft Environmental Impact Report for San Joaquin County Referral PA-0900184 – Use Permit Application to expand and modernize the existing Union Pacific Railroad (UPRR) Intermodal Facility south side of Roth Road; (SCH No. 2010082016).

Dear Ms. Hatef;

The City of Lathrop has reviewed the Draft Environmental Impact Report (DEIR) for the Union Pacific Expansion and Modernization Project in San Joaquin County, and wishes to provide comments on the DEIR. The City of Lathrop supports this project; however, the project does need to appropriately mitigate its impacts upon our community. We are most concerned with transportation impacts; therefore, at this time we are focusing our comments on Section 4.2 - Transportation and Traffic of the DEIR. Many of our formal comments previously submitted to your office on August 10, 2010 and September 15, 2009, and contained in the subject DEIR under Appendices A, have not been addressed and continue to be a concern to the City of Lathrop.

4.2 Transportation and Traffic.

RL2-1

1. General Comments. The underlying technical foundation and premise of the transportation and traffic analysis section appears to be flawed as it relies on existing conditions traffic counts from other documents that are out of date, inaccurate and do not reflect data contained in more recent traffic counts conducted on Roth Rd. Specifically, the DEIR relies upon and uses data and traffic counts from the City of Manteca Northwest Airport Way Master Plan EIR and Transportation Impact Study (SCH No. 2010022024). The City of Lathrop objected to that Project and challenged Manteca's compliance with the California Environmental Quality Act (CEQA) and thereafter timely filed a Petition for Writ of Mandate challenging Manteca's compliance with CEQA, sufficiency of legal notices and lawfulness of approving the Project. Although a temporary Tolling Agreement was entered into with the effected parties the legal outcome remains uncertain. Pending a mutual resolution of the Tolling Agreement or an outcome of the legal challenge of "Northwest Airport Way Master Plan EIR" the premise

and CEQA adequacy of the DEIR for the Union Pacific Expansion and Modernization Project remains in question and may also be challenged. Unless, a final resolution is reached between the involved parties over the City of Manteca Northwest Airport Way Master Plan Draft EIR, then use of and reliance on technical data from that EIR document should not occur.

The specific City of Lathrop concerns and comments on the "Northwest Airport Way Master Plan EIR and Transportation Impact Study are contained in the attached letter to the City of Manteca Mayor and City Council, dated November 2, 2010 (including all listed and referenced attachments). Because the subject Union Pacific project DEIR relies on the Manteca Northwest Airport Way Master Plan EIR, many transportation and traffic concerns and challenges raised on the Manteca EIR also directly apply to the subject DEIR and project. Please include the attached November 2, 2010 letter in the comment record and respond accordingly. RL2-1 cont.

2. New Transportation/Traffic Analysis Needed. The existing Union Pacific intermodal facility already generates truck and vehicle traffic which significantly impacts the Level of Service of Roth Rd., Harlan Rd. and the I-5/Roth Rd. interchange. An expansion of the intermodal facility will only exacerbate the existing impacted road network. Existing Level of Service impacts on the Roth Rd. corridor were recently documented in the ISMND for LN Real Estate industrial building project in the City of Lathrop, November 2010. The following specific issues should be addressed in a new comprehensive traffic analysis:

   a. New Up-to-date existing base case traffic counts for the local road network. Including but not limited to, Roth Rd., Harlan Rd., Manthey Rd., the I-5 on/off ramps and their intersections. RL2-2
   b. Relocation and Realignment of both Harlan Rd. and Manthey Rd. intersections with Roth Rd.
   c. Right-of-way expansion and travel and turn-lane expansions on Roth Rd. and the intersections with Harlan Rd., Manthey Rd., and I-5 interchange.
   d. Roth Rd. grade separations over the two (2) UPRR tracks.
   e. Due to the direct impacts on the City of Lathrop transportation network, the County should consult with the City of Lathrop and agree on the scope of the new Transportation/Traffic analysis.

3. Inadequate Mitigation Measures. The subject DEIR fails to incorporate available and necessary project mitigation measures to reduce the direct project impacts on roadways within the City of Lathrop. The subject DEIR fails to acknowledge and incorporate payment of fees to the City of Lathrop under the North Lathrop Transportation Impact Fee program, adopted by City Council Resolution 11-3132 (attached). This fee program and supporting information (including the phasing and funding plan) was provided RL2-3 directly to San Joaquin County Community Development Department staff in January 2011 and was requested to be incorporated into the subject DEIR and included as a required mitigation measure. The subject Union Pacific project lies within the boundary area of the North Lathrop Transportation Impact Fee study area and was determined to be

a significant contributor to the transportation impacts on the Roth Rd. corridor and the Roth Rd./I-5 Interchange. Because the subject project has an indentified and direct impact on the City of Lathrop transportation network and because the North Lathrop Transportation Impact Fee is an adopted fee program, the subject DEIR should incorporate Mitigation Measures that include direct payment of fees to the City of Lathrop in accordance with this Impact Fee program. RL2-3 cont.

We appreciate being provided with the opportunity to comment on this referral and look forward to working with San Joaquin County Community Development Department on this project. If you have any questions please call me directly at (209) 941-7298 or email me at cmullen@ci.lathrop.ca.us.

Sincerely,

Charlie Mullen
Principal Planner

Attachments:

1. Letter to City of Manteca Mayor and City Council, dated November 2, 2010 (including attachments) in reference to the Northwest Airport Way Master Plan EIR.
2. Lathrop City Council Resolution No. 11-3132 – Approving North Lathrop Transportation Fee Study and New Impact Fee

Cc: Lisa Lawson Stark, Union Pacific Railroad, 915 L. Street, Ste. 1180, Sacramento, CA 95814
Kerry Sullivan, SJ Co. Comm. Dev. Dir., 1810 East Hazelton Ave., Stockton, CA 95205
Cary Keaten, City Manager
Salvatore Navarrete, City Attorney
Glen Gebhardt, Comm. Dev. Dir/ City Engineer
Stephen Salvatore, Director of Public Works

City of Lathrop

Department of Public Works
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November 2, 2010

Honorable Mayor and Members of the City Council
City of Manteca
1001 W. Center Street
Manteca, CA 95337

RE: Northwest Airport Way Master Plan – Consideration of an Environmental Impact Report (SCH# 2010022024), General Plan Amendment, Prezone, Annexation, Master Plan, Tentative Parcel Map, and Development Agreement

Dear Mayor and Council Members,

The City of Lathrop looks forward to working with the City of Manteca in support of the Northwest Airport Way Master Plan project. However, this matter is not yet ready for Council consideration as detailed below:

1. The City Council may not consider this matter until the Planning Commission has issued a recommendation. Manteca Municipal Code 17.49.050 (B) requires a recommendation regarding this matter by the Planning Commission before it is considered by Council:

   > "Review and Recommendation by the Planning Commission of Matters Over Which the City Council Has Original Jurisdiction. Any application that comes before the city council for action **shall be reviewed and a recommendation made by the planning commission**..." (Manteca Municipal Code 17.49.050 (B) (emphasis added))

   Manteca Staff admits in the background section of its report to this Council that: "**the Planning Commission has not made a recommendation to the Council**." (emphasis added)

   Therefore, the Manteca City Council is prohibited from approving this matter until the Planning Commission has made a recommendation.

2. This matter is not ready for consideration by Council because it fails to incorporate necessary project mitigation of impacts on roadways within the City of Lathrop.

RL2-4

ATTACHMENT 1

The proposed mitigation measures listed for Council consideration are insufficient because they do not mitigate nor require the project pay its fair share of the Interstate 5/Roth Road Interchange improvements and Roth Road and Lathrop Road corridor improvements.

The City of Lathrop submitted comments on October 12, 2010 to the City of Manteca Planning Commission (Attachment A) and on September 14, 2010 to the Community Development Department (Attachment B). Our engineers reviewed a response from the City of Manteca dated October 6 and advised us that our original concerns remain unresolved (Attachment C).

3. This matter is not ready for consideration by Council because applicant has failed to meet with Lathrop City Staff to seek a resolution to the Lathrop City's Concerns.

   Lathrop Staff scheduled a meeting with the applicant and its attorney for October 28, 2010. Unfortunately, neither the applicant nor its attorney was able to attend. Instead, the applicant's attorney participated by phone. Lathrop City Staff had a productive conversation with the applicant's attorney and expect future meetings will allow the applicant and the City of Lathrop to reach an agreement to address the Project's impacts on Lathrop and necessary mitigations. RL2-4 cont.

4. This matter is not ready for consideration by Council because the City of Lathrop and City of Manteca have not yet completed an agreement to direct the appropriate portion of Regional Transportation Impact Fees (RTIF) and other mitigation fees collected on this project to the I-5 and Roth Road interchange as permitted by the RTIF project list approved by the Manteca City Council in December 2005.

   The City of Lathrop Staff held a phone discussion regarding this issue with the applicant's attorney and separate discussion with representative of the San Joaquin Council of Governments (SJCOG) regarding this matter. Lathrop City Staff held a preliminary discussion with Manteca City Staff but no draft of the agreement has been circulated. Lathrop City Staff are confident that such an agreement would allow RTIF and other mitigation fees paid by the applicant to be appropriately applied to regional projects in the Cities of Manteca and Lathrop based on the Project's EIR projected impacts. Lathrop Staff is prepared to issue Manteca Staff and the applicant a draft of the agreement within a week of agreement on the issue points.

While mitigation measures have been added to the project under section 12 to address our concerns, those measures are too tentative to actually mitigate impacts. Those measures requires the developer to pay mitigation fees to Manteca if Manteca has adopted the appropriate fees and established the appropriate collection mechanism for those fees. Manteca can do so, but has not. Moreover, it is not clear how payment of fees to Manteca can mitigate traffic impacts in Lathrop. Unless, Manteca intends to construct improvements to Lathrop's roadways; the mitigation fees should be paid directly to Lathrop or Manteca should enter into a written agreement to forward those fees to Lathrop when they are paid. As written, this mitigation measure cannot support a conclusion that traffic impacts will be mitigated only that they could be. That is not sufficient to fulfill Manteca's duties under CEQA. RL2-4 cont.

We respectfully request that the City of Manteca City Council take no action on this item at this time and instead direct City of Manteca Staff to work with City of Lathrop Staff to develop the appropriate fair share mitigations required of the project so they can be imposed in enforceable and practical terms, as CEQA requires.

However, if the City Council chooses to proceed with this matter tonight, we request that the City Council add the following condition of approval to this project:

"The applicant shall consult with the County of San Joaquin, City of Manteca, and City of Lathrop and pay the fair share, as reasonably determined by the City of Lathrop after those consultations, of the cost to mitigate the project's traffic impacts by making necessary improvements to the Interstate 5/Roth Road interchange and Roth Road and Lathrop Road corridors prior to the issuance of the first building permit for the project." RL2-5

Our engineers report that this condition is necessary to address the traffic impacts acknowledged in the City of Manteca's own Environmental Impact Report.

Although we would prefer to resolve our concerns with the applicant and Manteca amicably, approval of this matter in its current form would force the City of Lathrop to consider filing a judicial challenge within the 30-day statute provided for CEQA challenges. Thank for your consideration; we look forward to resolving this matter between our two cities soon.

Sincerely,

Stephen J. Salvatore
Deputy City Manager/Public Works Director

Cc: Mayor Sayles and Members of the City Council
Cary Keaten, City Manager
Salvador V. Navarrete, City Attorney
Thomas E. Ruark, Acting City Engineer
Charlie Mullen, Principal Planner

Attachments:

A. City of Lathrop letter dated October 12, 2010
B. City of Lathrop letter dated September 14, 2010 and attached Crane Transportation Group memo, dated August 22, 2010
C. Crane Transportation Group memo, dated October 12, 2010

Attachment A

City of Lathrop

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October 12, 2010

Chairman of Planning Commission and Fellow Commissioners
City of Manteca
1001 W. Center Street
Manteca, CA 95337

RE: Northwest Airport Way Master Plan - Consideration of an Environmental Impact Report (SCH# 2010022024),General Plan Amendment, Prezone, Annexation, Master Plan, Tentative Parcel Map, and Development Agreement

Dear Commissioners,

The City of Lathrop is in support of the Northwest Airport Way Master Plan project. However, we do not agree that it provides full mitigation of impacts on roadways within the City of Lathrop. The mitigation measures listed are insufficient to mitigate and require the project pay its fair share of the Interstate 5/Roth Road Interchange improvements and Roth Road and Lathrop Road corridor improvements.

The City of Lathrop submitted comments on September 14, 2010 (Attachment A) to the Community Development Department and received a response October 6, 2010. After reviewing the response from the City of Manteca, our engineers have advised us that our original concerns (Attachment B) remain unresolved.

We respectfully request that the City of Manteca: one, continue the Planning Commission item tonight so that City of Manteca Staff and the City of Lathrop Staff have an opportunity to hold a meeting to work out our differences regarding appropriate fair share mitigations required of the project; and two, if the Planning Commission does not wish to continue the action, we request that the Planning Commission add the following condition of approval to this project: RL2-6

"The project shall coordinate with the County of San Joaquin, City of Manteca, and City of Lathrop to pay its fair share of its traffic impacts for necessary improvements to the Interstate 5/Roth Road interchange and Roth Road and Lathrop Road corridors prior to the issuance of the first building permit executed on the project."

Our engineers report that this condition is necessary to address the traffic impacts acknowledged in the City of Manteca's environmental review.

Although the City of Lathrop supports the project and hopes to resolve our concerns amicably, if the project is approved in its current form, we will consult with the City Council and City Attorney to determine our course of action. RL2-6 cont.

Sincerely,

Stephen J. Salvatore
Public Works Director

Cc: Mayor Sayles and Members of the City Council
Cary Keaten, City Manager
Salvador V. Navarrete, City Attorney
Thomas E. Ruark, Acting City Engineer
Charlie Mullen, Principal Planner

Attachments:

A. City of Lathrop letter dated September 14, 2010 and attached Crane Transportation Group memo, dated August 22, 2010
B. Crane Transportation Group memo, dated October 12, 2010

City of Lathrop

Attachment B

Community Development Department

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September 14, 2010

City of Manteca
Community Development Department
1001 W. Center Street
Manteca, CA 95337

Attn: Rochelle Henson, Senior Planner

Subject: Comments on Draft Environmental Impact Report for the Northwest Airport Way Master Plan.

Dear Ms. Henson;

The City of Lathrop has reviewed the Draft Environmental Impact Report (DEIR) for the Northwest Airport Way Master Plan in the City of Manteca, and wishes to provide comments on the DEIR. As previously stated, the City of Lathrop supports this project; however, the project does need to appropriately mitigate its impacts upon our community. We are most concerned with transportation; therefore, at this time we are limiting our comments to Section 3.12 - Transportation of the DEIR:

1. **Lathrop Road and Roth Road Corridors and Intersections - p. 3.12-42 and 3.12.64 Conclusions & Mitigations.** As supported in the attached communication from Crane Transportation Group, the City of Lathrop must respectfully disagree with the conclusion and mitigations of the Transportation section that "the only feasible mitigation measure" is to require the project applicant to only "pay applicable County regional transportation fees and City of Manteca transportation fees at the time building permits are sought." The DEIR statement "Because uncertainty exists, the residual significance of this impact is significant and unavoidable" is not an appropriate analysis conclusion to the City of Lathrop.

   The California Environmental Quality Act (CEQA) requires and mandates that mitigation measures be imposed on a project to avoid or mitigate a project's significant environmental impacts. The draft DEIR has not mitigated the projects transportation impacts on the City of Lathrop, when feasible mitigations measure options exist. The City of Lathrop respectfully requests that the City of Manteca mitigate the transportation impacts of the Northwest Airport Way Master Plan.

RL2-7

2. **Peer Review Response by Crane Transportation Group.** As referenced above, attached is a peer review analysis by Crane Transportation Group, dated August 22, 2010. At your earliest convenience, please address and respond to the comments and questions raised in the attached communication from Crane Transportation Group.

The City of Lathrop looks forward to working cooperatively with the City of Manteca to appropriately and adequately address the project's transportation impacts. If you have any questions please call me at (209) 941-7298 or email me at cmullen@ci.lathrop.ca.us.

Sincerely,

Charlie Mullen
Principal Planner

Attachment:

1. Communication from Crane Transportation, dated August 22, 2010.

Cc: Steve Pinkerton, City Manager, City of Manteca, 1001 W. Center Street, Manteca, CA 95337
Mark Nelson, Community Development Director, City of Manteca1001 W. Center Street, Manteca, CA 95337
Cary Keaten, City Manager
Salvador Navarrete, City Attorney
Steve Salvatore, Deputy City Manager/Public Works Director
Tom Ruark, Acting City Engineer

CRANE TRANSPORTATION GROUP

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2621 E. Windrim Court
Elk Grove, CA 95758
(916) 647-3406 *phone*
(916) 647-3408 *fax*

San Francisco Bay Area Office:
6220 Bay View Avenue
San Pablo, CA 94806
(510) 236-9375 *phone*
(510) 236-1091 *fax*

MEMORANDUM

TO: Tom Ruark (truark@ci.lathrop.ca.us)
Charlie Mullen (cmullen@ci.lathrop.ca.us)

FROM: Mark D. Crane, P.E.

DATE: August 22, 2010

RE: **PEER REVIEW OF CITY OF MANTECA – NORTHWEST AIRPORT WAY MASTER PLAN DRAFT EIR (DEIR) TRANSPORTATION SECTION**

Tom/Charlie:

At the request of the City of Lathrop, Crane Transportation Group has peer reviewed the above-referenced document. Listed below are comments/questions I have regarding the analysis methodologies and input data used (or not used), assumptions, conclusions and missing analysis. Comments generally follow the order of presentation in the DEIR.

1. ***Traffic count data used for Lathrop intersections is old.*** Counts used in the DEIR were from 2008 and early 2009. Mid 2010 counts with truck data are available from the City of Lathrop. Older counts may not have reflected full occupancy at Lathrop High School or the connection of Golden Valley Parkway to Lathrop Road. Also, the intermodal facility may have had significantly lower traffic 1.5 years ago. The analysis of Lathrop intersections potentially started with an out-of-date and lower than realistic traffic base. RL2-8

2. ***Analysis of Synchro 95th percentile vehicle queuing and SIM Traffic vehicle queuing is missing for all I-5 interchanges in Lathrop for all conditions.*** Analysis should be conducted at the Lathrop Road/I-5 freeway ramp intersections, the Roth Road/I-5 freeway ramp intersections and at the Roth Road/Harlan Road intersection for Synchro 95th percentile and SIM Traffic queuing.

3. ***Near term analysis horizon is missing.*** There is no near term horizon analysis which evaluates the proposed project in relation to other approved and proposed County and City of Lathrop projects that will be impacting the Roth Road and Lathrop Road corridors.

ATTACHMENT 1

4. ***Trip generation potential of Center Point Intermodal Facility is difficult to accurately determine.*** As stated in the DEIR traffic study, the trip generation potential of the expanded intermodal facility cannot be readily established from typical trip generation references due to its unique type of land use. Lengthy explanations of the trip generation estimation process are provided, but it is truly an unknown whether their projections are in the ballpark or not. A big factor for traffic by time of day will be train schedules; were they the same at the other facility being used as a model for the Lathrop facility (in Illinois) and, if not, would this produce different truck arrival/departure patterns at Lathrop versus the survey site in Illinois?

   The only accurate way to property assess impacts and ultimately needed mitigations is to monitor conditions at the facility when built. If volumes are the same or lower than projected, no adjustments to mitigations will be needed. If the peak hour trip generation is significantly higher than projected for impact analysis, an updated study with updated mitigation should be required.

5. ***Project trip distribution estimates are questionable.*** The study indicates that 80 percent of the vehicles now using the Lathrop intermodal terminal's Roth Road driveway turn to/from the west (and the Roth Road interchange with I-5). However, the traffic study projects that the Center Point Intermodal Facility (which will have access to Roth Road and Airport Way) will only have 36 percent of its traffic using Roth Road to/from I-5 and only 14 percent of its traffic using Lathrop Road to/from I-5. The revised distribution is based upon output from the City of Manteca Travel Demand Forecasting Model (which predicts an average traffic distribution for all land uses in Manteca and is not necessarily sensitive to truck travel patterns to/from the freeway system). It is recommended that separate distribution patterns be developed for project trucks (primarily to/from I-5 based upon existing truck patterns) versus non-trucks (which may have a more balanced flow in all directions as predicted by the Manteca Travel Demand Model).

RL2-8 cont.

6. ***Existing + Center Point traffic evaluation is not meaningful and hides true impacts.*** While CEQA calls for an existing + project evaluation, it really provides no useful real world data as it ignores background traffic from approved or pending projects. For example, the project analysis predicts good operation at the Roth Road/I-5 Ramps and Roth Road/Harlan Road intersections for existing + Center Point conditions. However, if the analysis were to include traffic from proposed and approved County and City of Lathrop projects adding traffic to this interchange, operation would be much poorer, with signalization warranted at all three intersections for near term horizon conditions (without the Center Point project).

7. ***The proposed project is not required to pay its fair share contribution towards needed mitigations at the Lathrop Road and Roth Road I-5 interchanges.*** EIR-recommended project contributions towards needed improvements would not likely provide a fair share contribution towards improvements which are going to be needed in the near term (with or without Center Point development).

8. ***Significance criteria used for unsignalized intersection analysis is very liberal and allows a major increase in project traffic without resulting in a significant impact.*** Criteria presented indicate that at an unsignalized intersection already operating at LOS F, a significant impact results if the average delay for the highest delayed side street is increased by 3 seconds and ***causes one of the peak hour signal warrants to be met.*** This last clause prevents the project from producing a significant impact at the Lathrop Road/I-5 Southbound Ramps intersection.

9. ***Cumulative development list omits projects in Lathrop and the County.*** Currently proposed and approved projects in the City of Lathrop and in the County that would add significant traffic levels to the Roth Road and Lathrop Road interchanges have not been included in the analysis.

10. ***Central Lathrop Specific Plan traffic volumes projected in the current DEIR for the Roth Road and Lathrop Road interchanges are significantly different than those projected in the previous Central Lathrop Specific Plan EIR.*** Projections in both studies were developed by the same traffic engineering firm, Fehr & Peers.

11. ***Evaluation of the need for Harlan Road realignment at Roth Road is missing from the DEIR evaluation.*** The DEIR considers this improvement as speculative. Since Lathrop is now conducting environmental analysis in regards to this improvement, its analysis should be included in the DEIR.

12. ***DEIR mitigation fair share funding responsibility language provides an easy escape for the project not to meet its realistic funding responsibility for Roth Road and Lathrop Road interchange area improvements.*** Additional funding and possibly up-front improvements should be provided for circulation system projects required in the City of Lathrop that may be needed in the near term, but which are currently not on any local or regional traffic impact fee mitigation list.

RL2-8 cont.

13. ***Discussion of Roth Road grade separation projects are deficient.*** The DEIR indicates that Roth Road is ultimately planned to be a four-lane arterial adjacent to the project site. It is already a four- to six-lane facility at I-5. However, no issue is raised regarding the fact that a currently pending funding application for the UP Oakland subdivision grade separation is only for a two-lane overpass. Costing for a four-lane overpass needs to be determined and the project's fair share cost for the additional widening determined and assigned. Fair share costing allocation for the UP Railroad Fresno subdivision grade separation also needs to be determined.

14. ***The impacts of increased train activity to truck/auto traffic flow at Roth Road at-grade crossings have not been evaluated.***

15. ***Increased train activity at the Roth Road at-grade crossings and the impacts to emergency vehicle access along the Roth Road corridor have not been evaluated.***

16. ***Project traffic impacts to pedestrians and bicycles along Roth Road and Lathrop Road in the City of Lathrop have not been evaluated.***

17. ***Construction traffic impact analysis for Lathrop streets is missing.*** The DEIR encourages all construction traffic to use Roth Road and Lathrop Road to access I-5 (through the City of Lathrop), yet provides no analysis regarding the level of construction traffic activity and times of traffic activity, as well as anticipated impacts and needed mitigation measures in the City of Lathrop. Potentially, Airport Way to/from the S.R.120 interchange (in Manteca) may be a more appropriate construction traffic access route to the project site.

IN SUMMARY:

- Trip generation projections for the project site are very speculative and need to be monitored over time to see if traffic levels predicted in the EIR are being exceeded and added mitigation required.
- Project traffic has been projected to shift radically away from the Roth Road and Lathrop Road corridors in the City of Lathrop (compared to existing distribution patterns at the Roth Road intermodal facility). This shift, particularly for project truck traffic, may potentially be well underestimating the project traffic impacts at the Roth Road and Lathrop Road I-5 interchanges.
- The DEIR has not taken into consideration the traffic from numerous proposed/approved projects in Lathrop and the County that will also be impacting the Roth Road and Lathrop Road I-5 interchanges.
- Vehicle queuing/blocking impacts have not been evaluated at the Roth Road and Lathrop Road I-5 interchanges.
- There is no near term horizon analysis.
- Significance criteria are very liberal and help the project avoid many logical significant impacts.
- Full evaluation of the Harlan Road realigned intersection (and the impacts without realignment) should be provided.
- The need for Roth Road grade separations needs to be expanded greatly.
- Construction traffic impacts and needed mitigation on Lathrop streets need to be provided.
- Project traffic impacts to pedestrian and bicycle activity along Roth Road and Lathrop Road need to be detailed and mitigations recommended.

RL2-8 cont.

Mark Crane, P.E.

CRANE TRANSPORTATION GR Attachment C

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Elk Grove, CA 95758
(916) 647-3406 *phone*
(916) 647-3408 *fax*

San
62.
San Pablo, CA 94806
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MEMORANDUM

TO: Charlie Mullen (cmullen@ci.lathrop.ca.us)
Tom Ruark (tom@ruarkeng.com)

FROM: Mark D. Crane, P.E.

DATE: October 12, 2010

RE: **PEER REVIEW OF CITY OF MANTECA – NORTHWEST AIRPORT WAY MASTER PLAN FEIR RESPONSE TO COMMENTS**

CRANE TRANSPORTATION GROUP COMMENT MEMO (AUGUST 22, 2010)

Comments are provided below for those FEIR responses considered to be inadequate by Crane Transportation Group.

Response 6: No defense is presented in regards to use of out-of-date and lower than current traffic volumes in the DEIR along the Roth Road corridor and, in particular, at the I-5/Roth Road interchange. Also, the older counts don't reflect the increased use of the intermodal facility along Roth Road. The EIR team's defense of counts used along the Lathrop Road corridor is weak, in that adjustments were made to very old peak hour volumes based upon a May 2009 daily traffic count. Also, the May 2009 count does not reflect traffic associated with current enrollment at Lathrop High School or the new connection of Golden Valley Parkway to Lathrop Road. Due to the magnitude of the proposed project, failure to conduct up-to-date peak period traffic counts along two of the major corridors serving the project leading to I-5 interchanges have led to a significant underestimation of existing and future traffic through the City of Lathrop. RL2-9

Response 7: Failure to use significance criteria to determine queuing impacts is a major flaw of the DEIR. In addition, no SIM traffic queuing evaluation has been provided at either the Roth Road or Lathrop Road/I-5 interchanges. Also, no Synchro 95th percentile queuing evaluation has been provided along Roth Road through its I-5 interchange and at the adjacent Harlan Road intersection, nor along Lathrop Road through its interchange with the I-5 freeway. Queuing evaluation needs to be conducted for the existing geometrics at the Lathrop Road/I-5 interchange. The response from the DEIR team that no evaluation was conducted at this interchange since Lathrop and Caltrans will be identifying and constructing improvements at this interchange conveniently ignores the fact that the proposed project will be contributing a significant amount of traffic to the Lathrop Road interchange and should be fully responsible for a fair share contribution towards needed near term improvements. It is standard CEQA practice to evaluate conditions with the existing roadway system in place unless a fully funded set of improvements is scheduled for construction.

Response 8: The failure of the DEIR to properly identify near term horizon background traffic conditions as well as near term horizon Base Case + Project traffic conditions conveniently eliminates reporting the full magnitude of near term project impacts and needed mitigations. A near term horizon evaluation that includes traffic from all approved but not constructed developments is standard evaluation in EIRs. Given the number of currently approved and pending developments in the County and Lathrop that will be contributing traffic to the Roth and Lathrop Road interchanges (before development of the proposed Manteca project), an existing + project scenario is meaningless in identification of expected near term real world impacts from a project.

Response 10: The response indicates that monitoring of the actual trip generation from the proposed project and deferring mitigation until after the environmental impact occurs is not considered legally feasible and that Manteca regularly monitors all roadways within the City and will implement corrective actions if needed. Unfortunately, this response provides no guarantee to adjacent jurisdictions (City of Lathrop and San Joaquin County) about the City of Manteca's financial assistance to them for additional circulation system improvements if project trip generation is greater than projected.

Response 12: The response is evasive as it attempts to eliminate the need for a realistic near term horizon evaluation of circulation conditions at the Lathrop Road and Roth Road corridors in Lathrop.

RL2-9 cont.

Response 13: The response attempts to provide reasoning to eliminate the City of Manteca from paying reasonable near term horizon fair share contributions towards improvements along the Lathrop Road and Roth Road corridors in Lathrop. Proposed Mitigation Measure Trans-1 does not provide a reasonable fair share contribution towards needed improvements in Lathrop.

Response 15: The DEIR is deficient given that the response indicates that the traffic engineers preparing the circulation analysis made no contact with either San Joaquin County or the City of Lathrop staff to obtain current development lists of approved or likely projects to provide an accurate near term horizon circulation analysis, or to make sure that their long term horizon cumulative traffic model was accurate.

Response 19: The proposed project will be contributing a significant amount of auto and truck traffic to the Roth Road corridor. This traffic will be part of the need requiring future improvements, such as grade separations.

Response 22: No response is provided in regards to expected impacts to pedestrians and bicycle riders along Lathrop Road in the City of Lathrop and the potential need for mitigations. The response only indicates improvements are being proposed to Lathrop Road adjacent to the project site within the City of Manteca.

Response 23: No requirement is listed that the City of Manteca will coordinate construction traffic routes with the City of Lathrop and mitigate any significant impacts due to construction traffic within the City of Lathrop. Routings between the project site and the regional freeway network are available entirely within the City of Manteca.

CALTRANS COMMENTS
(DISTRICT 10 SEPTEMBER 15, 2010 COMMENT LETTER)

Caltrans has raised numerous issues about the inadequacy of the DEIR traffic analysis and ends with the statement that the Department does not concur with the proposed submittal until all of their comments are addressed and a proper Traffic Impact Study (TIS) submitted.

Many of the Caltrans comments are the same or similar to issues raised by Crane Transportation Group in our review for the City of Lathrop.

- Existing traffic volumes for Roth Road used in the DEIR are lower than those reported in other current traffic studies (Caltrans 4).
- The Lathrop Road/I-5 interchange design is currently deficient (from an STAA design standpoint) and the proposed project must mitigate this deficiency (Caltrans 6). RL2-10
- The DEIR circulation analysis needs to include traffic from other known local area projects. Also, ramp merge/diverge, turn radius, queue storage at ramps and intersection analysis needs to be provided at all locations being impacted by project truck traffic (Caltrans 7).
- The DEIR needs to provide a near term horizon evaluation with existing + approved development background traffic as well as existing + approved + project volumes (Caltrans 8).
- The DEIR should analyze project impacts by its two major phases.

Mark Crane, P.E.

RESOLUTION NO. 11-3132

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LATHROP APPROVING THE NORTH LATHROP TRANSPORTATION FEE STUDY DATED DECEMBER 2010, ADOPT THE FEE AND AMEND THE CAPITAL FACILITY FEE (CFF) PROGRAM TO INCLUDE THE NEW IMPACT FEE

WHEREAS, on October 18, 2010, the City Council adopted Resolution 10-3106, authorizing the City Manager to contract with Mark Thomas Company to review available information for proposed development projects located in the North Lathrop Study Area and determine their impacts to the Roth Road/I-5 interchange and the associated frontage roads; and

WHEREAS, in order to be able to provide information to San Joaquin County and the City of Manteca regarding their proposed development projects potential impacts and related fees to the Roth Road /I-5 interchange area, the Mark Thomas Company prepared preliminary geometrics and preliminary construction cost estimate for improvements at the Roth Road/I-5 interchange; and

WHEREAS, the City of Lathrop Municipal Code, Chapter 3.20 Capital Facilities Fee allows for the adoption of new or revised transportation fees by resolution; and

WHEREAS, the North Lathrop Transportation Impact Fee Study of December 2010 has been reviewed and considered by the City Council and by reference is hereby entered into the public record; and

WHEREAS, a notice of the public hearing was published in the Tri-Valley Hearld on December 18 and December 24, 2010; and

WHEREAS, the findings required by the State of California Mitigation Fee Act (also known as "AB 1600," Government Code sections 66000, et seq.) have been made as contained said reports and in the administrative record, all of which is hereby incorporated by reference herein; and

WHEREAS, the City Council did use its independent judgment and considered all of said reports, recommendations and other evidence in the administrative record, all of which is hereby incorporated by reference herein.

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Lathrop does hereby approve the Report, approve the new North Lathrop Transportation Impact Fee (see attached Exhibit "A") in addition to any fees previously imposed by the City , and approve revisions to the Capital Facility Fee Program to incorporate the new fee, based on findings required by the State of California Mitigation Fee Act (also known as "AB 1600," Government Code sections 66000, et seq.) and each finding contained therein and further finds as follows:

1. The purposes of the North Lathrop Transportation Impact Fee imposed by this Resolution are necessary to fund transportation system improvements for the Roth Rd. / I-5 Interchange and the associated frontage roads. Pursuant to the Lathrop Municipal Code Section 3.20.040 collected fees may be used for no other purpose.

2. The geographic area in which the fees will be imposed is the North Lathrop Study Area boundary map is contained in the North Lathrop Transportation Impact Fee report and is hereby incorporated by reference herein.

3. The estimated reasonable costs for providing the transportation system improvements, are contained in the North Lathrop Transportation Impact Fee report and are hereby incorporated by reference and attached as Exhibit "A".

4. There is a reasonable relationship between the type of development projects on which the fee is imposed and the uses of the fees for off-site transportation system improvements, because, as set forth in the Report the development projects can be expected to generate traffic at the identified roadways.

5. There is a reasonable relationship between the amount of the fees and the cost of the specified public facilities attributable to the development projects on which the fee is imposed, because, as is set forth in the Report, the fees have been apportioned based upon a land use's anticipated traffic generation.

BE IT FURTHER RESOLVED, that the City Council of the City of Lathrop, based on substantial evidence in the administrative record of proceedings and pursuant to its independent review and consideration, hereby established the following North Lathrop Transportation Impact Fee for the North Lathrop Area for transportation system improvements for the Roth Rd. / I-5 Interchange and the associated frontage roads at:

$1,307.26 per vehicle traffic trip; and

BE IT FURTHER RESOLVED, that these fees shall, automatically, and without further action of this Council, be adjusted on July 1, of each year, beginning July 1, 2012, to reflect the effects of inflation. The adjusted rates shall be calculated by multiplying the amounts set forth above by a factor that is equal to the then most current Bay Area Construction Cost Index published in the Engineering News-Record divided by the Construction Cost Index in effect as of the date Resolution. Additionally, the City Council may, following the procedures set forth in Chapter 3.20 of the Municipal Code, take future action to make other revisions to these rates; and

BE IT FURTHER RESOLVED, that these fees shall be in addition to any fees previously imposed by the City, that these fees shall be collected and administered in the manner set forth in Chapter 3.20 of the Municipal Code and that these fees shall be effective sixty (60) days after the adoption of this Resolution.

PASSED AND ADOPTED this 3rd day of January, 2011, by the following vote:

AYES: Dhaliwal, Mateo, Ornelas, Salcedo and Santos.

NOES: None.

ABSENT: None.

ABSTAIN: None.

J. "CHAKA" SANTOS, MAYOR

ATTEST:

Mitzi Ortiz

Mitzi Ortiz, City Clerk

APPROVED AS TO FORM:

Salvador Navarrete, City Attorney

Roth Road / I-5 Interchange Improvements
Cost Sharing
December 1, 2010

Preliminary Construction Cost Estimate with Right of Way, Utilities, and Project Development Costs — Dec 17 2010

Ultimate: $28,825,000 (Current Value)
Phase 1: $500,000 (Current Value)
Phase 2: $14,800,000 (Escalated 5 years)
Phase 3: $17,100,000 (Escalated 15 years)
Phase 4: $9,400,000 (Escalated 25 years)

		#trips		Ultimate (Not Phased) December, 2010	Phase 1 (2011)	Phase 2 (2015) Escalated	Phase 3 (2025) Escalated	Phase 4 (2035) Escalated	Ultimate (Not Phased) December, 2010 Cost/trip	Cost/unit Fee	
City of Lathrop											
Central Lathrop Specific Plan			25%	$ 7,189,909.30	$124,716.65	$ 3,691,609.98	$ 4,265,306.12	$2,344,671.20			
Phase 2 Residential	2250 DU	900	4%	$ 1,176,530.61	$ 20,408.16	$ 604,081.63	$ 697,959.18	$ 383,673.47	$ 1,307.26	$ 522.90	per DU
Commercial	2,100,000 SF	4,600	21%	$ 6,013,378.68	$104,308.39	$ 3,087,528.34	$ 3,567,346.94	$1,960,997.73	$ 1,307.26	$ 2,863.51	per 1000SF
North Lathrop Area			13%	$ 3,660,317.46	$ 63,492.06	$ 1,879,365.08	$ 2,171,428.57	$1,193,650.79			
Residential	950 DU	450	2%	$ 588,265.31	$ 10,204.08	$ 302,040.82	$ 348,979.59	$ 191,836.73	$ 1,307.26	$ 619.23	per DU
Commercial	75,000 SF	2350	11%	$ 3,072,052.15	$ 53,287.98	$ 1,577,324.26	$ 1,822,448.98	$1,001,814.06	$ 1,307.26	$40,960.70	per 1000SF
Gordon Trucking			1%	$ 261,451.25	$ 4,535.15	$ 134,240.36	$ 155,102.04	$ 85,260.77			
Industrial	16 acres	200	1%	$ 261,451.25	$ 4,535.15	$ 134,240.36	$ 155,102.04	$ 85,260.77	$ 1,307.26	$16,340.70	per acre
LN Industrial Building			2%	$ 653,628.12	$ 11,337.87	$ 335,600.91	$ 387,755.10	$ 213,151.93			
Industrial	749,100 SF	500	2%	$ 653,628.12	$ 11,337.87	$ 335,600.91	$ 387,755.10	$ 213,151.93	$ 1,307.26	$ 872.65	per 1000SF
KSC Travel Center			3%	$ 915,079.37	$ 15,873.02	$ 469,841.27	$ 542,857.14	$ 298,412.70			
Highway Commercial	11acres	700	3%	$ 915,079.37	$ 15,873.02	$ 469,841.27	$ 542,857.14	$ 298,412.70	$ 1,307.26	$83,189.03	per acre
Other Lathrop Projects			4%	$ 1,176,530.61	$ 20,408.16	$ 604,081.63	$ 697,959.18	$ 383,673.47			
Residential	650 DU	300	1%	$ 392,176.87	$ 6,802.72	$ 201,360.54	$ 232,653.06	$ 127,891.16	$ 1,307.26	$ 603.35	per DU
Highway Commercial	12,000 SF	600	3%	$ 784,353.74	$ 13,605.44	$ 402,721.09	$ 465,306.12	$ 255,782.31	$ 1,307.26	$65,362.81	per 1000SF
										$ -	
Total for City of Lathrop		10600	48%	$13,856,916.10	$240,362.81	$ 7,114,739.23	$ 8,220,408.16	$4,518,820.86	$ 1,307.26		
										$ -	
City of Manteca										$ -	
CenterPoint			7%	$ 2,091,609.98	$ 36,281.18	$ 1,073,922.90	$ 1,240,816.33	$ 682,086.17			
Light Industrial	3,177,000 SF	1600	7%	$ 2,091,609.98	$ 36,281.18	$ 1,073,922.90	$ 1,240,816.33	$ 682,086.17	$ 1,307.26	$ 658.38	per 1000SF
Other Manteca Projects			18%	$ 5,229,024.94	$ 90,702.95	$ 2,684,807.26	$ 3,102,040.82	$1,705,215.42			
Light Industrial	1,275,600 SF	1070	5%	$ 1,398,764.17	$ 24,263.04	$ 718,185.94	$ 829,795.92	$ 456,145.12	$ 1,307.26	$ 1,096.55	per 1000SF
Retail	205,820 SF	2930	13%	$ 3,830,260.77	$ 66,439.91	$ 1,966,621.32	$ 2,272,244.90	$1,249,070.29	$ 1,307.26	$18,609.76	per 1000SF
										$ -	
Total for City of Manteca		5600	25%	$ 7,320,634.92	$126,984.13	$ 3,758,730.16	$ 4,342,857.14	$2,387,301.59	$ 1,307.26		
										$ -	
San Joaquin County										$ -	
Intermodal Facility			19%	$ 5,490,476.19	$ 95,238.10	$ 2,819,047.62	$ 3,257,142.86	$1,790,476.19			
Light Industrial	142 acres	4200	19%	$ 5,490,476.19	$ 95,238.10	$ 2,819,047.62	$ 3,257,142.86	$1,790,476.19	$ 1,307.26	$38,665.33	per acre
Other SJ County Projects			7%	$ 2,156,972.79	$ 37,414.97	$ 1,107,482.99	$ 1,279,591.84	$ 703,401.36			
Residential	314 acres	445	2%	$ 581,729.02	$ 10,090.70	$ 298,684.81	$ 345,102.04	$ 189,705.22	$ 1,307.26	$ 1,852.64	per acre
Retail	11 acres	575	3%	$ 751,672.34	$ 13,038.55	$ 385,941.04	$ 445,918.37	$ 245,124.72	$ 1,307.26	$68,333.85	per acre
Light Industrial	143 acres	630	3%	$ 823,571.43	$ 14,285.71	$ 422,857.14	$ 488,571.43	$ 268,571.43	$ 1,307.26	$ 5,759.24	per acre
Total for San Joaquin County		5850	27%	$ 7,647,448.98	$132,653.06	$ 3,926,530.61	$ 4,536,734.69	$2,493,877.55	$ 1,307.26		
Total Trips		22050	100% Total =	$ 28,825,000.00	$500,000.00	$14,800,000.00	$17,100,000.00	$9,400,000.00	$ 1,307.26		

3-81

Comment Letter RL2

Letter RL2. City of Lathrop

RL2-1 The validity and justification of the traffic count data used in the DEIR, including data from the *Northwest Airport Way Master Plan EIR* (NWAWMP EIR), are provided in DEIR Appendix F.1. Information provided in Appendix F.1 reveals that the 2009 intersection turning movement counts from the NWAWMP EIR, if anything, reflect a conservative baseline of existing conditions given the economic recession that has seriously impeded economic growth in San Joaquin County, including in the area of the project, since at least 2007 and continuing to the DEIR baseline year of 2010. In particular, published traffic volume data from Caltrans for both I-5 and SR 99 shown in Table X of Appendix F.1 indicate negative traffic growth through the study area between 2007 and 2009 (data for 2010 had yet to be published at the writing of the DEIR). As shown in Figure X of Appendix F.1, gas prices were significantly lower in 2009 than in late 2010; given how sensitive travel is to fuel costs combined with the aforementioned traffic trends, it is unlikely that traffic volumes significantly increased within the study area from 2008-09 levels to the DEIR baseline year of 2010. In addition, new counts (October 2010) were collected at the UP Facility Driveway, and the most recent published count volumes from Caltrans were used as part of the analysis.

Although the intersection turning movement count data from the NWAWMP EIR was used, some aspects of the analysis contained therein were not used in the DEIR. For instance, as part of the cumulative analysis, the following modifications were made: (1) the CenterPoint Intermodal Center truck trip distribution was revised to remove trips using the non-STAA Lathrop Road/I-5 interchange to Roth Road; (2) a more complete existing plus approved and pending development project list was used, including, but not limited to, the Lathrop Specific Plan; and (3) the cumulative forecast horizon was extended from 2025 to 2035.

It should also be noted that the Petition for Writ of Mandate filed by the City of Lathrop, challenging the findings and validity of the NWAWMP EIR, contends that the 2009 turning count data contained in the NWAWMP EIR is not representative of “current” baseline conditions, but the complaint does not challenge the accuracy of the data itself, and no evidence is offered in the complaint or in this comment for why 2009 traffic data, two years into an economic recession that continued to the writing of the DEIR, is not representative of conditions in the 2010 baseline year. Again, the justification for using these traffic counts as representative of 2010 baseline year conditions is documented in Appendix F.1.

Finally, subsequent to the date of the commenter’s letter, the Petition for Writ of Mandate filed by the City of Lathrop challenging the NWAWMP EIR was dismissed with prejudice pursuant to a Settlement Agreement reached in December 2011 by and between the City of Lathrop, the City of Manteca and CenterPoint Properties. The NWAWMP EIR has now been certified by the City of Manteca without possibility of appeal and based upon the intersection turning movement data utilized in part by the DEIR. There is therefore no pending litigation challenging the use or validity of traffic count data from the NWAWMP EIR.

RL2-2 As shown in Figure 4.2-2, page 4.2-10, of the DEIR, existing level of service (LOS) on Roth Road, Harlan Road, and the I-5/Roth Road interchange is acceptable (i.e., LOS B or better) during the AM and PM peak hours. In addition, the Traffic Impact Study prepared for the referenced LN Real Estate project concludes that as of June 2010 (the base year of the Union Pacific project DEIR), the I-5/Roth Road interchange and Roth Road/Harlan Road intersection were operating at an acceptable LOS C or better, which corroborates the DEIR's conclusion that these interchanges/intersections are currently operating at an acceptable LOS. Therefore, while the existing Union Pacific Intermodal Facility may be a major contributor to existing traffic in the area, it does not have a significant impact. Moreover, the purpose of the DEIR is to identify significant traffic impacts from the proposed project – the expansion of the existing Intermodal Terminal – and not from the existing facility.

Regarding the commenter's request for additional analysis, the following responses are provided, letter by letter as listed in the comment letter:

a. See Response to Comment RL2-1 regarding the justification for using 2009 turning movement data from the NWAWMP EIR. In addition, as stated above, the Traffic Impact Study prepared for the referenced LN Real Estate project concludes that as of June 2010 (the base year of the Union Pacific project DEIR), the I-5/Roth Road interchange and Roth Road/Harlan Road intersection were operating at an acceptable LOS C or better, which corroborates the validity of the DEIR's use of 2009 turning movement data for the 2010 baseline year condition. There is no need to perform new baseline traffic counts as the commenter suggests.

b. It is noted that the City of Lathrop has proposed the complete realignment of the Harlan Road and Manthey Road intersections with Roth Road in its North Lathrop Transportation Impact Fee (NLTIF). The justification for the NLTIF is contained in a North Lathrop Transportation Impact Fee study dated December 2010, the Lathrop City Manager's Report dated January 3, 2011, and a Resolution of the Lathrop City Council approved on January 3, 2011.

   However, neither the NLTIF nor the accompanying study appear to be based upon a current, quantitative traffic study -- including turning movement counts at the relevant intersections, a LOS analysis or a queuing analysis -- a Project Study Report (PSR), which is typically required by Caltrans for interchange projects, or any consideration of alternative designs. The NLTIF and supporting study and resolution simply state that Harlan Road and Manthey Road must be realigned based upon an estimate of future trip generation from a selected study area.

   By contrast, the DEIR analyzes the project's potential significant impacts to the Roth Road/I-5 interchange and adjacent intersections in detail, based upon turning movement counts, LOS analyses and queuing analyses, and proposes specific measures to mitigate such impacts (See Mitigation Measures TRANS-8, -9, -10, -15, -16, and -17, pages 4.2-46 through 4.2-47 and pages 4.2-57 through 4.2-59 of the DEIR). As shown in the Mitigated Intersection Analysis beginning on page F-858 of Appendix F, including the Synchro 8 Reports, the implementation of Mitigation Measures TRANS-8, -9, -10, -15, -16 and -17, none of which would require the relocation/realignment of Harlan Road, would restore LOS to an acceptable overall LOS C or better at peak hour for the I-5 Southbound Ramps/Roth Road, I-5 Northbound Ramps/Roth Road and Harlan/Roth Road intersections (Study Intersections 2, 3 and 4, respectively) for the 2021 and 2035 cumulative plus project conditions. The relocation/realignment of the Harlan Road/Roth Road intersection is not necessary to mitigate the impacts of the project, and therefore, cannot be required of the project under CEQA. There is accordingly no cause or need for the DEIR to study such an improvement.

Similarly, as shown at page F-30 of Appendix F.6, the project would not produce any trips going west of the I-5 Southbound Ramps/Roth Road intersection on Roth Road and, therefore, no trips that would adversely affect the Manthey Road/Roth Road intersection directly to the west. This is not surprising given that: (i) most drayage trucks will arrive and depart from the Intermodal Facility via either I-5 or SR 99, given the long-haul nature of transporting intermodal containers, and (ii) as noted at page 4.2-5 of the DEIR, Roth Road is an approved STAA route only between the I-5 interchange and the Intermodal Facility to the east, and is not an approved STAA route to the west of the interchange and towards Manthey Road. There is accordingly no cause or need to study the relocation and realignment of the Manthey Road/Roth Road intersection in the DEIR based upon the DEIR's transportation impacts analysis.

More fundamentally, the NLTIF does not apply to the project because the project lies outside the City of Lathrop. Rather, the project's only obligation is to mitigate the significant environmental impacts of the project under CEQA based upon the DEIR's impacts analysis and the mitigation measures proposed therein.

It should also be noted that the City of Lathrop approved the NLTIF and accompanying study and resolution without notice to or input from either the County or the applicant and before the DEIR for the project was published in September 2011. The NLFIF is therefore not tailored to mitigate the impacts of the project versus programming the transportation needs of the City of Lathrop generally and was approved before trips counts and distribution from the Union Pacific project were available.

Finally, although identified in the City of Lathrop's Capital Improvements Project (CIP) list, the improvements described in the NLTIF are currently not included in the relevant state or federal programming documents (State Transportation Improvement Program [STIP] or Federal Transportation Improvement Program [FTIP]) or in the San Joaquin County Regional Transportation Plan (RTP) or Regional Transportation Improvement Program (RTIP), and are therefore not considered part of the future baseline for this EIR traffic analysis.

c. See item b above.

d. The project's potential impacts in connection with the current at-grade crossing between Roth Road and Union Pacific's Oakland Subdivision, along with recommended mitigation, are discussed in detail in Section 4.2 of the DEIR, including Impact TRANS-39, page 4.2-71. See also Response to Comment RL1-1, above. Trains do not access the Intermodal Facility via Union Pacific's Fresno Subdivision to the west, and this main line is therefore not part of the proposed project. Further, any potential grade-separation improvement project at either the Union Pacific Oakland Subdivision or Fresno Subdivision crossing on Roth Road is not documented in any state/federal programming document (STIP or FTIP) and therefore cannot be assumed as part of the future baseline for the transportation impacts analysis. The impacts analysis instead focuses specifically on the queue spill-back potential of the Oakland Subdivision crossing with Roth Road on the Roth Road / I-5 ramp intersections and recommends the implementation of Mitigation Measure TRANS-39 for this impact.

e. Comment noted. See items a, b, c, and d, above.

RL2-3 Regarding the NLTIF, see Response to Comment RL2-2 above. As noted in the DEIR Chapter 3, Project Description, and Section 4.2, Transportation and Traffic, the project site lies within unincorporated San Joaquin County and outside the Lathrop city limits. The NLTIF therefore does not apply to the project and was passed by the City of Lathrop without prior notice to or input from County staff. The project's obligation under CEQA is to mitigate the significant impacts of its project and not to pay a fee under the NLTIF. To that end, the DEIR discusses in detail the project's potential impacts on roadway facilities within the City of Lathrop and identifies mitigation measures to address those impacts. Because the project would not itself cause impacts on Lathrop traffic facilities – rather, such impacts would be caused in combination with other area projects, including other projects within Lathrop, under cumulative conditions – and the County, as Lead Agency, does not control Lathrop city traffic facilities, the only feasible mitigation is the payment by the applicant of mitigation fees based upon the project's relative contribution to such impacts. Where, as here, the traffic facilities lie outside the Lead Agency's jurisdiction, the payment of such fees must be part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the impacts at issue so that the Lead Agency can be assured that such mitigation actually occurs (<u>Tracy First v. City of Tracy</u>, 177 Cal. App. 4th 912 (2009)).

Mindful of this constraint, the DEIR identified specific mitigation measures that would address the project's impacts on Lathrop traffic facilities, including mitigation measures requiring the payment of mitigation fees based upon equitable fair share principles if a legally sufficient plan or program exists for such improvements, including the RTIF program, if applicable, or an alternative program established by the County and/or the City of Lathrop.

The NLTIF adopted by the City of Lathrop and attached to the commenter's letter: (i) is not a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the impacts of the project as CEQA requires, (ii) goes beyond the scope of improvements necessary to mitigate impacts from the project and (iii) overstates the project's fair share of mitigation measures for the intersections in question for the following reasons:

- The NLTIF program calls for, among other improvements, the relocation and realignment of the intersection of Manthey and Harlan Roads with Roth Road, the stubbing out of the existing Harlan and Manthey Roads just south of Roth Road, the relocation of the I-5 Southbound Ramps intersection with Roth Road to the east, the creation of a new southbound, L-9 loop ramp onto I-5 at Roth Road, the extension and widening of Roth Road past the current intersection with the I-5 Southbound Ramps, and related roadway, structural, property acquisition, utilities, environmental, design, survey, stormwater, construction management and contingency costs for a total estimated budget of over $28 million. None of these improvements are necessary to mitigate the impacts of the project. As noted above in Response to Comment RL2-2, it is not necessary to relocate and realign Harlan Road to restore LOS at the Harlan Road/Roth Road intersection to an acceptable LOS of D or better according to the transportation impacts analysis of the DEIR. The project does not adversely affect any portion of Roth Road west of the current intersection of the I-5 Southbound Ramps with Roth Road, including Manthey Road. Nor is it necessary to relocate the current I-5 Southbound Ramps at Roth Road to mitigate the impacts of the project. It instead appears that Manthey Road is being relocated/realigned, the current Manthey Road is being stubbed out south of Roth Road, the I-5 Southbound Ramps are being relocated, and the L-9 Loop is being created in whole or in part to accommodate the KSC Travel Center Project, a proposed truck stop, fueling station, convenience store, coffee shop, restaurant and 80-room hotel located within the City of Lathrop and southwest of the I-5/Roth Road interchange. As illustrated in Appendix A of the North Lathrop Transportation Impact Fee Study dated December 2010 (the Partial L-9 Interchange Alternative Ultimate drawing), the current I-5 Southbound Ramps run immediately adjacent to the KSC Travel Center property, close to where a hotel and restaurant are planned, and the existing Manthey Road cuts directly through the property. (http://www.ci.lathrop.ca.us/agenda/pdf/03-01-2011_14-42-33-920_Report.pdf) In a Settlement Agreement executed on September 28, 2011, by the City of Lathrop and the owners of the KSC Travel Center project, Lathrop agreed to relocate Manthey Road to the east, that the KSC Travel Center owners would have no obligation to pay for such relocation, and that the existing Manthey Road would end as a cul de sac within the KSC Travel Center property to serve the proposed uses there. See Settlement Agreement at pages 2-3 (http://www.ci.lathrop.ca.us/agenda/pdf/15-09-2011_16-05-00-245_Report.pdf) The new L-9 southbound loop onto I-5 appears to be designed to replace the I-5 Southbound Ramps which would otherwise run through or immediately adjacent to the KSC Travel Center project. Lathrop also agreed in the Settlement Agreement to reduce the NLTIF for the KSC Travel Center project from the $915,079.37 allocated to it in the fee study (Appendix A of the study) to $576,500. See Settlement Agreement at page 1. In short, most of the improvements proposed by the NLTIF go beyond what is necessary to mitigate the impacts of the project and appear designed to serve other transportation-related objectives. The mitigation measures identified in the DEIR at TRANS-8, -9, -10, -15, -16, -17, including signalization, lane restriping and the addition of certain turn and travel lanes, would, without more, mitigate the project's impacts to the Roth Road/Harlan Road intersection and the I-5/Roth Road interchange ramps and restore service to an overall LOS C. The project can only be conditioned to mitigate its own impacts, and not to remedy pre-existing deficiencies or impacts from other projects.

- The NLTIF program study area includes large areas outside the Lathrop city limits, including areas of the unincorporated County (including the project site) and City of Manteca, for funding the interchange reconstruction. At the same time, neither the County nor Manteca has approved the program or have any plans to do so. Without the participation of the County, assigned a 27% share, and Manteca, assigned a 25% share, for a total of 52% funding outside the Lathrop city limits, there is no prospect of the improvements being funded and completed based upon the financing plan set forth in the NLTIF. The program is also roughly divided into phases, with the first phase scheduled to begin in 2011 (which has apparently not occurred), but there is no enforceable program schedule or an enforceable commitment by the City of Lathrop to construct such improvements within a certain time period or at all. The County therefore cannot be assured that the payment by the applicant of fees into the program is part of a reasonable, enforceable plan or program that would actually result in the mitigation of traffic impacts from the project.

- In December 2011, the 2011 Regional Transportation Impact Fee Update moved the I-5/Roth Road interchange from a Tier 2 to a Tier 1 project under the RTIF program. The interchange is therefore now eligible for RTIF funding from new projects throughout the SJCOG region, which extends well beyond the NLTIF study area. Yet there is no accounting for the fact that the interchange is eligible for RTIF funds in the NLTIF finance plan or that the project will already be required to pay an RTIF fee for Tier 1 RTIF projects, including the interchange (see Mitigation Measures TRANS-8, -9, -10, -15, -16, -17); the financing plan instead spreads 100% of the cost of the interchange construction over an under inclusive project list, rather than over the entire region/area which will affect and benefit from the interchange.

- The 2011 RTIF Update budgets $16.8 million for full reconstruction of the interchange -- which goes beyond the scope of what is necessary to mitigate the project's impacts as discussed above -- and assigns projects within the RTIF program (including the project) a total share of $13.9 million, excluding external trips from outside the RTIF program area. See 2011 RTIF Update at Appendix A, page 1 (http://www.sjcog.org/docs/pdf/Regional%20Planning/2011rtifupdate.pdf). Hence, the RTIF budget for a full interchange reconstruction, allocable to RTIF projects, is $15 million less than the budget estimate under the NLTIF program. It appears that the NLTIF budget may therefore be overly conservative or includes elements which are not necessary to serve regional transportation needs. The NLTIF also does not account for or attempt to include other available State and local sources of funds typically utilized for major roadway projects to State facilities, including STIP funds and Measure K funds.

- At a meeting between representatives of Union Pacific and Lathrop staff on March 28, 2012, to discuss the project DEIR, Lathrop staff expressed the concern that the mitigation measures proposed in the DEIR will be inadequate. In particular, Lathrop staff stated that Caltrans will likely require relocation and realignment of the Harlan Road/Roth Road intersection to the east, in addition to being signalized, to create greater spacing with the to-be-signalized I-5 Northbound Ramps/Roth Road intersection. Although Union Pacific requested that Lathrop staff provide it with any written evidence of such a determination by Caltrans, none has been forthcoming since this March 28 meeting. Nor has Lathrop conducted a traffic study demonstrating that such a relocation/realignment would be necessary to mitigate the impacts of the project, in contrast with the transportation impacts analysis of the DEIR which shows it is not necessary. In fact, there is no apparent evidence that the NLTIF program's design for the I-5 Roth Road interchange has been approved by Caltrans or the SJCOG or is consistent with Caltrans' and/or SJCOG's future plans for the interchange or this segment of I-5. Indeed, since the proposed design has not been the subject of a traffic study or PSR or environmental review, Caltrans and SJCOG would not be in a position to approve it. Lathrop's proposed design for the interchange is therefore preliminary and may even been inconsistent with the Regional Transportation Plan administered by the SJCOG given the dramatic differences in budgets carried by the SJCOG and Lathrop as noted above. The ultimate design of the interchange will be the subject of a PSR and environmental review, including alternatives analysis, and the final alternative selected will be subject to this process and to the discretion of Lathrop and Caltrans, but the project's only obligation under CEQA is to fund an equitable fair share of the measures needed to mitigate its transportation impacts and no more.

- The NLTIF study includes a spreadsheet calculating the pro rata share of projects within the program's boundaries, including the Union Pacific "Intermodal Facility." The spreadsheet states that Union Pacific's share is 19% based upon an assumed 4,200 average trips per day, which appears to include existing facility trips as no AB 1600 Mitigation Fee Act program is permitted to do, and which overstates the traffic generated by the project. As Table 4.2-3 of the DEIR illustrates, the project is expected to generate a total of 3,062 average daily trips (ADTs), not 4,200. And of that total, 2,836 trips are by trucks, 80 percent of which are expected to use Roth Road to I-5 outbound from the facility and 62 percent of which are expected to use Roth Road inbound from I-5 to the facility (see Figure 4.2-4). So, 2013 truck ADTs would be expected to actually use Roth Road between I-5 and the Intermodal Facility: (2,836 x 50 percent x 80 percent + 2,836 x 50 percent x 62 percent = 2,013 truck ADTs). Similarly, of the total of 3,062 ADTs generated by the project, 226 trips would be by passenger cars, 53 percent of which are expected to use Roth Road inbound and outbound between the facility and I-5 (see Figure 4.2-5). So, 119 passenger car ADTs would be expected to use Roth Road to and from I-5 (226 x 53 percent = 119 passenger car ADTs). The total ADTs expected to use Roth Road between I-5 and the project site are therefore equal to 2,132 ADTs or about 50 percent of what is reported in the NLTIF. The assignment of a 19% fair share to the project is therefore based upon inaccurate traffic data.

- In addition to calculating the project's fair share based upon inaccurate project trips data, the program also spreads the cost of reconstructing the I-5/Roth Road interchange over a limited study area rather than over all future projects which will impact the interchange. As Caltrans advises in its *Guide for the Preparation* *of Traffic Impact Studies*, where a project causes an impact only under cumulative conditions, its equitable fair share of mitigation measures is equal to its share of all future traffic at the impacted facility from all future projects. See Guide at Appendix B, page 2 (http://www.dot.ca.gov/hq/tpp/offices/ocp/igr_ceqa_files/tisguide.pdf). That is, equitable fair share is equal:

P = (T/(Tb – Te)

Where:

P = the equitable share for the proposed project's traffic impact.

T = the vehicle trips generated by the project during the peak hour

Tb = the forecasted cumulative traffic volume on the impacted facility, i.e., 2035

Te = existing traffic volume on the impacted facility. Utilizing Caltrans' equitable fair share formula, where all new project trips must pay a fair share, and not just projects from the NLTIF study area, the project's fair share of traffic improvements would be equal to 12.2%, 9.3% and 6.1% for the Harlan Road/Roth Road, I-5 Northbound Ramps/Roth Road and I-5 Southbound Ramps/Roth Road intersections, respectively. See Appendix D (Memo from Kittelson & Associates to San Joaquin County re: Fair Share Analysis).

For all the reasons described above, the NLTIF is not a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the project's transportation impacts within the City of Lathrop. Because the scope of improvements described in the NLTIF goes beyond what is necessary to mitigate the impacts of the project, and the fair share allocated to the applicant under the program is based upon inaccurate traffic data and does not include all future projects impacting the interchange, the applicant will not be conditioned by the County to pay a fee under the NLTIF.

The applicant will instead be required to pay, in addition to RTIF fees otherwise applicable to the project, an equitable fair share mitigation fee for implementing Mitigation Measures TRANS-8, -9, -10, -15, -16, and -17, which would mitigate the project's impacts and restore overall LOS at these intersections (Intersections 2, 3 and 4 of the DEIR's transportation impacts analysis) to an acceptable LOS C or better. This fair share fee will be equal to the project's equitable fair share of the cost of the mitigation measures in question, utilizing the Caltrans fair share formula set forth in Appendix B of its *Guide for the Preparation of Traffic Impact Studies*, and as described in Appendix D of this Final EIR, multiplied by the estimated cost of the mitigation measures. These payments will be made by the applicant to the County, and the County will collect and hold such fees in accord with California law until the improvements set forth in Mitigation Measures TRANS-8, -9, -10, -15, -16, and -17 are scheduled for construction.

An Engineer's Opinion of Probable Cost of Mitigation Measures TRANS-8, -9, -10, -15, -16, and -17, based upon a planning level of design, is set forth in Appendix E. Based upon this estimate, and subject to change based upon final engineering design, the applicant's fair share payments would be as follows:

Mitigation Measure	Estimated Cost	Fair Share Percentage	Estimated Fair Share Payment (Estimated Cost X Fair Share %) (Phase 1 & 2)
TRANS-8	$334,400	6.1 %	$20,398.40
TRANS-9 TRANS-16	$334,400	9.8%	$32,771.20
TRANS-10 TRANS-17	$944,680	12.2%	$115,250.96
TRANS-15	$1,093,850	6.1%	$66,724.85
Total	**$2,707,330**	**8.6% (average)**	**$235,145.41**

To that end, Mitigation Measures TRANS-8, TRANS-9, TRANS-10, TRANS-15, TRANS-16, and TRANS-17 will be revised in the FEIR as listed below:

Mitigation Measure TRANS-8 on p.4.2-46 is revised as follows:

> "**Mitigation Measure TRANS-8:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Roth Road and I-5 Southbound Ramps by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 6.1% of such improvement multiplied by the estimated cost of such improvement~~, which improvement is programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications~~. Construction of this improvement would improve the intersection LOS to an acceptable LOS C or better."

Mitigation Measure TRANS-9 on p.4.2-47 is revised as follows:

> "**Mitigation Measure TRANS-9:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Roth Road and I-5 Northbound Ramp by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 9.8% of such improvement multiplied by the estimated cost of such improvement~~, which improvement is programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications~~. Construction of this improvement would improve the intersection LOS to an acceptable LOS B or better."

Mitigation Measure TRANS-10 on p.4.2-47 is revised as follows:

> "**Mitigation Measure TRANS-10:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of the following improvements by paying <u>a fair share fee to San Joaquin County equal to the project's equitable fair share of 12.2% of such improvements multiplied by the estimated cost of such improvements:</u> ~~the applicable fees for the project under the RTIF program if such improvements are included within the program at the time of building permit applications, or alternatively, if such improvements are not included under the RTIF program at the time of building permit applications, by paying fees to San Joaquin County for the following improvements, based upon the project's equitable fair share of such improvements, if an alternative fee collection program exists at the time of building permit applications which has been established by the County and/or the City of Lathrop and which the County, as Lead Agency, determines is part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue:~~ (i) installation of a traffic signal at the intersection of Roth Road and Harlan Road, with protective left-turn signal phasing for Harlan Road approaches, (ii) conversion of the northbound Harlan Road approach from the existing shared left-turn/through lane and separate right-turn lane to a separate left-turn lane and shared through/right-turn lane, and (iii) conversion of westbound and southbound approaches from shared left-turn/through/right-turn lane to separate left-turn lane and a shared through/right turn lane. Construction of the above improvements would improve intersection LOS to an acceptable LOS C."

Mitigation Measure TRANS-15 on p.4.2-57 is revised as follows:

> "**Mitigation Measure TRANS-15:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-8 ~~(contribute fair share of the cost of installation of a traffic signal at the intersection of Roth Road and I-5 Southbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program),~~ and shall contribute its fair share of the cost of installing the following additional improvements <u>by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 6.1% of such improvements multiplied by the estimated cost of such improvements:</u> (i) conversion of the southbound approach from left and shared left-turn/through/right-turn lane to separate left and a shared right-turn/through lane, and (ii) construct an additional left-turn lane on the westbound approach, which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve intersection LOS to an acceptable LOS C or better."

Mitigation Measure TRANS-16 on p.4.2-58 is revised as follows:

> "**Mitigation Measure TRANS-16:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-9 ~~(contribute fair share of the cost of installation of a traffic~~

> ~~signal at the intersection of Roth Road and I-5 Northbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program), by paying the applicable fees for the project under the RTIF program at the time of building permit applications~~. Construction of the~~is~~ improvements described in Mitigation Measure TRANS-9 would improve intersection LOS to an acceptable LOS C."

Mitigation Measure TRANS-17 on p.4.2-58 is revised as follows:

> "**Mitigation Measure TRANS-17:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-10 ~~(contribute fair share of the cost of the improvements described therein if such improvements are part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue) by paying the applicable fees for the project under the RTIF program if such improvements are included within the program at the time of building permit applications, or alternatively, if such improvements are not included under the RTIF program at the time of building permit applications, by paying fees to San Joaquin County for such improvements, based upon the project's equitable fair share of such improvements, if an alternative fee collection program exists at the time of building permit applications which has been established by the County and/or the City of Lathrop and which the County, as Lead Agency, determines is part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue~~. Construction of the improvements described in Mitigation Measure TRANS-10 would improve intersection LOS to an acceptable LOS C."

RL2-4 The commenter has attached a letter dated November 2, 2010 addressed to the Manteca City Council regarding the NWAWMP EIR. As a general matter, the letter does not provide comments on the DEIR for the proposed UP facility. Many of the comments contained in this letter speak to procedural matters in connection with the Manteca City Council's consideration of the NWAWMP EIR, which are not relevant here. To the extent the letter discusses the mitigation of impacts of the NWAWMP project, these comments are either not relevant to the Union Pacific Expansion and Modernization Project and DEIR, which is a separate project, or they have been addressed above in Responses to Comments RL2-2 and RL2-3.

RL2-5 See Response to Comment RL2-4 above.

RL2-6 The commenter has attached a letter dated October 12, 2010 addressed to the Manteca Planning Commission regarding the NWAWMP EIR. As a general matter, the letter does not provide comments on the DEIR for the proposed UP facility. Many of the comments contained in this letter speak to procedural matters in connection with the Manteca Planning Commission's consideration of the NWAWMP EIR, which are not relevant here. To the extent the letter discusses the mitigation of impacts of the NWAWMP project, these comments are either not relevant to the Union Pacific

Expansion and Modernization Project and DEIR, which is a separate project, or they have been addressed above in Responses to Comments RL2-2 and RL2-3.

RL2-7 The commenter has attached a letter dated September 14, 2010, addressed to the Community Development Department of the City of Manteca regarding the NWAWMP EIR. As a general matter, the letter does not provide comments on the DEIR for the proposed UP facility. The letter discusses the mitigation of impacts of the NWAWMP project. These comments are either not relevant to the Union Pacific Expansion and Modernization Project and DEIR, which is a separate project, or they have been addressed above in Responses to Comments RL2-2 and RL2-3.

RL2-8 The commenter has attached a memo dated August 22, 2010, from the Mark D. Crane of the Crane Transportation Group to Tom Ruark and Charlie Mullen of the City of Lathrop regarding the NWAWMP project. As a general matter, the memo does not provide comments on the DEIR for the proposed UP facility. The memo either discusses details of the transportation impact study and NWAWMP project that are particular to the NWAWMP EIR and project, and that are not relevant to the DEIR; or discusses the use of the 2009 traffic count data in the NWAWMP EIR, which comments have been addressed above in Responses to Comments RL2-1 and RL2-2; or discusses the mitigation of impacts on traffic facilities within the City of Lathrop, which comments have been addressed above in Responses to Comments RL2-2 and RL2-3.

RL2-9 The commenter has attached a memo dated October 12, 2010, from the Mark D. Crane of the Crane Transportation Group to Tom Ruark and Charlie Mullen of the City of Lathrop regarding the NWAWMP EIR and project. As a general matter, the memo does not provide comments on the DEIR, but instead discusses specific responses provided by the City of Manteca to comments on the NWAWMP EIR submitted by the City of Lathrop, and that are not relevant to the DEIR for the proposed UP facility. Otherwise, the memo discusses details of the transportation impact study and NWAWMP project that are particular to the NWAWMP project, and that are not relevant to the DEIR; or discusses the use of the 2009 traffic count data in the NWAWMP EIR, which comments have been addressed above in Responses to Comments RL2-1 and RL2-2; or discusses the mitigation of impacts on traffic facilities within the City of Lathrop, which comments have been addressed above in Responses to Comments RL2-2 and RL2-3.

RL2-10 The commenter has attached a memo from Mark D. Crane discussing comments by Caltrans regarding the NWAWMP EIR. As a general matter, the memo does not provide comments on the DEIR for the proposed UP facility. To the extent that the memo discusses the use of 2009 traffic count data from the NWAWMP EIR or the mitigation of impacts on traffic facilities within the City of Lathrop, such comments have been addressed above in Response to Comments RL2-1, RL2-2, and RL2-3 above.

San Joaquin Council of Governments

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San Joaquin County Airport Land Use Commission

ALUC RESPONSE TO LOCAL JURISDICTION

To: Mo Hatef, San Joaquin County Community Development Department

From: Laura Brunn, Associate Regional Planner, San Joaquin Council of Governments

Date: November 4, 2011

Local Jurisdiction Project Title: SCH 2010082016 UP Expansion and Modernization Project

Area of Influence, Airport: Stockton Metropolitan Airport

Assessor Parcel Number(s): Various

Status: Consistent Land Use

Safety Criteria Matrix Zone: Airport Influence Area

The San Joaquin Council of Governments (SJCOG), acting as the Airport Land Use Commission (ALUC), has reviewed the proposal for the expansion of the Union Pacific Intermodal Facility located at 1000 East Roth Road in the unincorporated portion of San Joaquin County. The first portion of this comment letter gives ALUC comments pertaining to the DEIR. The second section addresses the ALUC land use consistency review, as required by the State Aeronautics Act.

DEIR COMMENTS:

The project site is located within the Stockton Metropolitan's Airport Influence Area (AIA). In 2009 a comprehensive update to the 1993 Airport Land Use Plan (ALUCP) was completed for the county's public use airports. The updated ALUCP did not include Stockton Metropolitan Airport (SMA) as the airport is currently updating its Master Plan. Therefore, all projects within Stockton Metro Airport AIA are subject to the policies and criteria within the 1993 ALUCP.

Section 4.1.4 Land Use and Agricultural Resources

On page 4.1-13, the information within the less-than-significant impact analysis for "Conflicts with Land Use Plans, Policies or Regulations" is incorrect regarding the information regarding the applicable airport land use plan. As stated above, SMA is not part of the 2009 ALUCP and is currently subject to the policies and criteria within the 1993 ALUCP. Therefore, the ALUC requests that the impact analysis be corrected. The information within the ALUC Consistency Review located in the latter portion of this letter can be used to rewrite the impact analysis for a less-than significant impact. RL3-1

Section 4.9.4 Hazards

Per the 2010 CEQA Guidelines, Appendix G (Section VIII. Hazards (e)), the following significance threshold relative to airport land use hazards states: RL3-2

"For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?"

The criteria used in on page 4.9-16 and resulting impact analysis for Airport Hazards on page 4.9-17 of the DEIR is incorrect due to the assumption that the project is not located within an airport land use planning area. As stated above, the 1993 ALUCP is in effect for SMA. The threshold that was revised from the one published within the 2010 CEQA Guidelines would be correct if an adopted Airport Land Use Plan did not exist. Therefore, the ALUC requests that this significance criterion and impact analysis be corrected. The information within the ALUC Consistency Review located in the latter portion of this letter can be used to rewrite the impact analysis for a less-than significant impact. RL3-2 cont.

CONSISTENCY REVIEW:
The project site is located within the Stockton Metropolitan's Airport Influence Area (AIA), and pursuant to the State Aeronautics Act (Public Utilities Code Section 21676), the project is subject to a Consistency Determination by the San Joaquin County ALUC. This project includes expansion of the existing Union Pacific Intermodal Facility. Components of the expansion includes the acquiring of an additional 40 acres of land, increasing annual cargo container transfers from 270,000 to 730,000, and the expansion of the existing communications tower from 120 feet to 140 feet. The project is located at 1000 East Roth Road in the unincorporated portion of San Joaquin County.

Within the 1993 ALUCP the Area of Influence is divided into subareas. In each subarea, different land use standards, conditions, and restrictions apply. The project site is not located within any of the AIA subareas (see following exhibit). The land uses proposed with the project **are compatible** with the 1993 ALUCP Zones for Stockton Metropolitan Airport. The following are standards and project design conditions specific to compliance with the ALUCP and should be carried through as conditions of approval: RL3-3

While the proposed land use is consistent with the 1993 Airport Land Use Plan, the following are standards specific to compliance with the ALUP and should be carried through as conditions of approval:

1. New land uses that may cause visual, electronic, or increased bird strike hazards to aircraft in flight shall not be permitted within any airport's influence area. Specific characteristics to be avoided include:

    - Glare or distracting lights which could be mistaken for airport lights. Reflective materials are not permitted to be used in structures or signs (excluding traffic directing signs);
    - Sources of dust, steam, or smoke which may impair pilot visibility;
    - Sources of electrical interference with aircraft communications or navigation. No transmissions which would interfere with aircraft radio communications or navigational signals are permitted.
    - Any proposed use, especially landfills and certain agricultural uses, that creates an increased attraction for large flocks of birds.

- Within the AIA, ALUC review is required for any proposed object taller than 100 feet AGL.
- Although the proposed height (140 feet) of the communications tower expansion does not seem to fall within the criteria set by FAA for their review (unless FAA has requested otherwise), the following information should be carried forward as information for the project proponent. RL3-4

Regardless of location within San Joaquin County, ALUC review is required in addition to FAA notification in accordance with Code of Federal Regulations, Part 77, (https://oeaaa.faa.gov/oeaaa/external/portal.jsp) for any proposal for construction or alteration under the following conditions:

a. If requested by the FAA.

b. Any construction or alteration that is more than 200 ft. AGL at its site.

c. Any construction or alteration that exceeds an imaginary surface extending outward and upward at any of the following slopes:

   i. 100 to 1 for a horizontal distance of 20,000 ft. of a public use or military airport from any point on the runway of each airport with its longest runway more than 3,200 ft. SMA's runway falls into this category.
   ii. 50 to 1 for a horizontal distance of 10,000 ft. of a public use or military airport from any point on the runway of each airport with its longest runway no more than 3,200 ft.
   iii. 25 to 1 for a horizontal distance of 5,000 ft. of the nearest take-off and landing area of a public use heliport

d. Any highway, railroad or other traverse way whose prescribed adjusted height would exceed the above noted standards

e. Any construction or alteration located on a public use airport or heliport regardless of height or location.

RL3-4 cont.

Thank you again for the opportunity to comment. Please contact ALUC staff Laura Brunn if you have and questions or comments at (209) 235-0579, or by email at brunn@sjcog.org.

Sincerely,

Laura Brunn

Laura Brunn

M:\Project Review\ALUC Project Reviews\Consistency Review 2011\Union Pacific Expansion Project_County.docx

Letter RL3. San Joaquin Council of Governments, Airport Land Use Commission

RL3-1 The commenter's statement regarding the location of the project site in relation to the Stockton Metropolitan Airport is acknowledged. The last sentence on p.4.1-13 of the DEIR is modified as follows:

> "The project site is ~~not~~ located within the Stockton Metropolitan Airport Influence Area (AIA). ~~an airport land use compatibility zone as detailed in~~ In 2009, an update to the County's 1993 Airport Land Use Compatibility Plan (ALUCP) was completed for the County's public use airports (SJCOG, 2009). However, the 2009 ALUCP did not include the Stockton Metropolitan Airport as the airport is currently updating its Master Plan. Therefore, the project is currently subject to the policies and criteria within the 1993 ALUCP. The AIA for Stockton Metropolitan Airport is divided into subareas, with differing land use standards, conditions, and restrictions for each subarea. The project site is not located within any of the AIA subareas and the proposed land uses are consistent with the 1993 ALUCP Zones for the airport (SJCOG, 1993). Therefore, the project would not conflict with the ALUCP and the impact would be less than significant. ~~San Joaquin County's Aviation System Airport Land Use Compatibility Plan~~"

The following reference is added on p.4.1-17 of the DEIR:

> "San Joaquin Council of Governments (SJCOG), 1993. Airport Land Use Compatibility Plan."

RL3-2 The commenter's statement regarding the CEQA criterion is acknowledged. The fourth bulleted item on p.4.9-16 of the DEIR is modified as follows:

- "For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of ~~an~~ a public airport or public use airport, result in a safety hazard for people residing or working in the project area;"

The commenter's question regarding the impact analysis and consistency with the Airport Land Use Plan is discussed in Response to Comment RL3-3, below.

RL3-3 The commenter's statement regarding the location of the project site in relation to the Stockton Metropolitan Airport is acknowledged. However, the project would not be located within a safety or hazard zone of the airport and the impact would remain less than significant. The paragraph under "Airport Hazards" on p.4.9-17 of the DEIR is modified as follows:

> "The project is ~~would not be~~ located within the Stockton Metropolitan Airport Influence Area (AIA). In 2009, an update to the County's 1993 Airport Land Use Compatibility Plan (ALUCP) was completed for the County's public use airports (SJCOG, 2009). However, the 2009 ALUCP did not include the Stockton Metropolitan Airport as the airport is currently updating its Master Plan. Therefore, the project is currently subject to the policies and criteria within the 1993 ALUCP. The AIA for the airport is divided into subareas, with differing land use standards, conditions, and restrictions for each subarea. The project site is not located within any of the AIA subareas; therefore, it does not conflict with any zones demarcated for safety or noise hazards (SJCOG, 1993). ~~two miles of an active airport and would not result in a safety hazard for people residing or working in the project area.~~ Sharpe Airfield, formerly used for military operations, is located immediately west of the project site. However, Sharpe Airfield has been out of service since the 1990s, and the field's runway has been partially replaced by a parking lot, with the remaining half of the runway used as a parking and storage area. This airport is no longer in use. ~~Other nearby airports are located in Stockton, more than three miles to the north of the project site.~~ Therefore, no hazards related to proximity to an existing airport are anticipated as a result of project implementation."

The following reference is added on p.4.9-24 of the DEIR:

> "San Joaquin Council of Governments (SJCOG), 1993. Airport Land Use Compatibility Plan."

Regarding the other listed issues, the project would not result in glare or distracting lights that could be mistaken for airport lights. Mitigation Measure AESTHETICS-1 on p. 4.5-7 of the DEIR requires that all lighting be shielded to prevent spillage and directed towards project operations. Although the proposed project would involve expansion of an area lighted at night to permit outside work, the facility would appear sufficiently different from an airport (e.g., light standards, large rectangular lighted areas with rail lines, no runway lighting patterns, no approach lighting) that it would not be mistaken for an airport by pilots.

As noted on p. 4.3-34 of the DEIR, fugitive dust generated during project construction would be controlled by required adherence to the San Joaquin Valley Air Pollution Control District's Regulation VIII Dust Control Plan, as well as further measures listed in Mitigation Measures AIR-1a through AIR-1m. The communications tower within the project site would operate similarly to the existing tower; therefore, planned operation is not anticipated to interfere with aircraft radio communications or navigational signals. Finally, the project would not create an increased attraction for large flocks of birds such as what might occur in a landfill or agricultural area.

RL3-4 The elevation of the Stockton Metropolitan Airport is approximately 33 feet above mean sea level (MSL), according to the *Stockton Metropolitan Airport Master Plan* (2009). The elevation of the project site ranges between 20 to 29 MSL. Based on the distance between the runway and the proposed communications tower (approximately 16, 300 feet), and keeping in mind that the elevation of the runway is approximately 4 feet higher than the highest point on the project site, any construction taking place at or near the proposed location of the communications tower that exceeds 167 feet above ground level (AGL) (16,300 feet horizontally at a 100:1 slope plus the 4-foot difference in site elevations) would trigger the need to file a notice with the Federal Aviation Administration (FAA). Since the proposed height of the communication tower (140 feet) is lower than the height of the FAA notification surface (167 feet AGL), the project applicant does not need to file Form 7460-1, "Notice of Proposed Construction or Alteration," with the FAA.

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Environmental Health Department
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Jeff Carruesco, REHS, RDI
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Community Development Dep
Building / Planning

October 25, 2011

Mo Hatef, Associate Planner
San Joaquin County Community Development Department
1810 E. Hazelton Avenue
Stockton, California 95202

Subject: Union Pacific Railroad – Lathrop Intermodal Modernization Project Draft Environmental Impact Report SCH No. 2010082016

The San Joaquin County Environmental Health Department (EHD) has reviewed the above referenced project and requests the following comments be added for consideration:

1. The EIR should analyze potential soil and groundwater impacts from onsite discharge of effluent from the proposed industrial wastewater treatment plant and onsite liquid waste disposal system. RL4-1

2. The EIR should evaluate the potential for human and environmental exposure from the storage and/or generation of hazardous materials. RL4-2

If you have any questions, please contact me at (209) 468-0331.

Rodney Estrada
Lead Senior REHS

RE:tl

Letter RL4. San Joaquin County, Environmental Health Department

RL4-1 The Draft EIR evaluates potential impacts of the project on groundwater in Section 4.10, Hydrology and Water Quality. Potential reduction of groundwater quality is discussed under Impact HYDRO-1, on pages 4.10-21 to 4.10-22 of the Draft EIR. As discussed therein, no discharge of effluent from the industrial wastewater treatment plant would occur. Instead, the industrial wastewater would be routed through an oil/water separator and then discharged to an evaporation pond. Here, the water would be evaporated, and residuals would be disposed of according to applicable regulations. The evaporation pond would be lined to prevent unintended discharge to groundwater. In order to ensure that the proposed facilities would provide adequate protection to underlying groundwater and soils, additional mitigation (Mitigation Measure HYDRO-1) was applied that would require double-lining of the ponds and application of a continuously monitored, automatic leak detection system between the two liners. In the event of leak detection, the appropriate regulatory agencies would be contacted, and continued use of the pond would be prohibited until the liner is repaired. These project features and the applied mitigation would ensure that groundwater quality and soils are protected from significant levels of contamination associated with the proposed industrial wastewater treatment plant and onsite disposal system.

RL4-2 Potential impacts associated with hazards and hazardous materials are evaluated in the Draft EIR, Section 4.9, Hazards and Hazardous Materials. Potential for human and environmental exposure due to storage and/or generation of materials is discussed under the following impacts: HAZARDS-1 (pages 4.9-18 to 4.9-21) and HAZARDS-2 (pages 4.9-21 to 4.9-22). As discussed for Impact HAZARDS-1, project construction and operations could include the use and/or transport of some limited classes of hazardous materials at the project site. During construction, potential hazards associated with the accidental release of hazardous materials would be minimized via the implementation of Mitigation Measure HAZARDS-1a, which applies specific storage, handling, and spill response measures during construction. During operation, shippers would be required to comply with California law with respect to hazardous materials. If an intermodal unit is discovered to be leaking, the unit would be contained and corrective action would be required prior to its removal from the facility. These and other operation-period sources of potential hazardous material releases onsite would be mitigated to less-than-significant levels via application of Mitigation Measure HAZARDS-1b, which requires preparation of and adherence to a Hazardous Materials Management Plan for the facility.

As discussed in Impact HAZARDS-2, the project would be constructed adjacent to an area that is known to contain contaminated groundwater and sediments. However, these areas are currently undergoing remediation, and potential for migration of contaminants onto the site is considered to be low and would not result in a significant impact.

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

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Community Development Dept.
Building / Planning

November 7, 20111

Mo Hatef
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Development Services Division
1810 East Hazelton Avenue
Stockton, CA 95205

Project: Draft Environmental Impact Report No. PA-0900185 for the Union Pacific Railroad Intermodal Modernization (SCH#2010082016)

District CEQA Reference No: 20110400

Dear Ms. Hatef:

The San Joaquin Valley Unified Air Pollution Control District (District) has reviewed the project referenced above consisting of the modernization and expansion of the existing Union Pacific Intermodal Facility located at 1000 East Roth Road in the unincorporated portion of San Joaquin County between the City of Lathrop and City of Manteca. This project will include the addition of 40 more acres, the construction of 60,615 track feet, and pavement of 184 acres. Phase I would begin operation in 2013 and would result in increasing the site's capacity from 270,000 lifts per year to 400,000 lifts per year and an additional 5-6 trains per week. Phase II would begin operation in 2021 and would result in increasing lifts to 730,000 per year and an additional 7-8 trains per week. The District offers the following comments:

RL5-1

Significant and Unavoidable Impacts on Air Quality

1) The environmental document demonstrates that operational emissions from the project would have a significant adverse impact on air quality. Furthermore, the Lead Agency concludes that the impacts are significant and unavoidable, even after imposing all feasible mitigation measures.

   The District disagrees with the conclusion that all feasible mitigations have been explored. Specifically, the environmental document fails to discuss off-site mitigation measures such as Voluntary Emission Reduction Agreements (VERAs) as a means of mitigating project specific impacts on air quality to a less-than-significant level.

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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www.valleyair.org www.healthyairliving.com

A VERA is a mitigation measure by which the project proponent provides pound-for-pound mitigation of emissions increases through a process that develops, funds, and implements emission reduction projects, with the District serving a role of administrator of the emissions reduction projects and verifier of the successful mitigation effort.

To implement a VERA, the project proponent and the District enter into a contractual agreement in which the developer agrees to mitigate the project's emissions by providing funds for the District's Emission Reduction Incentive Program to fund grants for projects that achieve emission reductions, thus offsetting project related impacts on air quality. The types of projects that have been used in the past to achieve such reductions include electrification of stationary internal combustion engines (such as agricultural irrigation pumps), replacing old trucks with new, cleaner, more efficient trucks, and a host of other emissions-reducing projects.

In implementing a VERA, the District verifies the actual emission reductions that have been achieved as a result of completed grant contracts, monitors the emission reduction projects, and ensures the enforceability of achieved reductions. The initial agreement is generally based on the projected maximum emissions increases as calculated by a District-approved "Air Quality Impact Assessment," and contains the corresponding maximum fiscal obligation. However, because the goal is to mitigate actual emissions, the District has designed adequate flexibility into these agreements such that the final mitigation is based actual emissions related to the project, based on actual equipment used, hours of operation, etc. After the project is mitigated, the District certifies to the lead agency that the mitigation is completed, providing the lead agency with an enforceable mitigation measure demonstrating that there is no significant air quality impact from the project. RL5-1 cont.

Since 2005, the District has entered into seventeen VERAs with project developers and achieved 1,393 tons of NOx and PM10 reductions per year. It is the District's experience that implementation of a VERA is a feasible mitigation measure which effectively achieves actual emission reductions, potentially mitigating the project to a net-zero air quality impact. Because the environmental document failed to discuss this feasible mitigation measure, the document fails to meet the CEQA requirement of discussion and implementation of all feasible mitigation measures, so we strongly recommend that a discussion of VERAs be included in the final EIS.

Applicability of District Rule 9510 (Indirect Source Review)

2) Based on information provided to the District, the proposed project would equal or exceed 9,000 square feet of space "not identified". Therefore, the District concludes that the proposed project is subject to District Rule 9510 (Indirect Source Review). RL5-2

District Rule 9510 is intended to mitigate a project's impact on air quality through project design elements or by payment of applicable off-site mitigation fees. Any applicant subject to District Rule 9510 is required to submit an Air Impact Assessment (AIA) application to the District no later than applying for final discretionary approval, and to pay any applicable off-site mitigation fees before issuance of the first building permit. If approval of the subject project constitutes the last discretionary approval by your agency, the District recommends that demonstration of compliance with District Rule 9510, including payment of all applicable fees before issuance of the first building permit, be made a condition of project approval. Information about how to comply with District Rule 9510 can be found online at: http://www.valleyair.org/ISR/ISRHome.htm. RL5-2 cont.

Potential Health Risks

3) The Air Resources Board (ARB), Union Pacific, and BNSF Railway entered into a voluntary agreement which became effective on June 30, 2005 to reduce locomotive and associated diesel particulate emissions in and around California's rail yards. As part of this Rail Yard Agreement, health risk assessments (HRAs) were performed for 17 rail yards in California including this one. The ARB is best situated to address the consistency of the HRA performed for this project with that for the existing facility and the relationship between this proposal and commitments made by Union Pacific in the Rail Yard Agreement.

The District reviewed the HRA performed for this project to determine its consistency with District policies and guidance. The following are the District's comments on the HRA: RL5-3

a) The District has established significance threshold limits for oxides of nitrogen (NOX), volatile organic compounds (VOCs), and particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM10). These thresholds are based generally upon the definition of major source for the nonattainment pollutants of ozone and PM2.5. They ensure that a large source that would be subject to new source review if it were a point source is not constructed without consideration of mitigation. These thresholds do not ensure that there will be no localized exceedances of the national or California air quality standards or a significant contribution to an existing violation of the standards caused by the projects emissions. The District recommends that the environmental document be revised to include an analysis of project related criteria pollutant emission impacts on ambient air quality.

b) The 70-year average emission rates for locomotives and trucks were modeled. District policy is to use the emission factors for the year in which the project is built-out. Only the worst-case year should be modeled. The District recommends that the health risk assessment be revised with the year with the highest emissions being modeled, most likely either 2013 or 2021. RL5-4

c) To calculate emissions from diesel trucks, assumptions were made regarding future-year control measures. These assumptions have the effect of reducing project related impacts on air quality. The District recommends that any such assumptions be included as enforceable conditions in the land use permit or other legal document governing the facility's operation. RL5-5

d) It is unclear if the health risk assessment includes drayage truck emissions that would occur outside the boundary of the facility. District policy is to model only those emissions that are within project boundaries. If the risk assessment is revised, the District recommends that the analysis be conducted consistent with District policy. RL5-6

The HRA concludes that the health risk from this project will be 4-5 times the District's significance threshold for cancer risk of 10 excess cancers in a million. It appears that all currently required controls are incorporated into the analysis. No further mitigation measures are identified. Yet, a finding of a significant impact requires that all feasible mitigation measures be considered. An argument is made that the risk from the facility will be greatly reduced because of the application of the control requirements to the existing equipment. It would appear that consideration should be given to ways that the project emissions and those of the existing facility could be controlled further to mitigate the risk from the project. RL5-7

General Comments

4) The proposed project may require District permits. Prior to the start of construction the project proponent should contact the District's Small Business Assistance Office at (559) 230-5888 to determine if an Authority to Construct (ATC) is required. RL5-8

5) The proposed project may be subject to the following District rules: Regulation VIII (Fugitive PM10 Prohibitions), Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations). In the event an existing building will be renovated, partially demolished or removed, the project may be subject to District Rule 4002 (National Emission Standards for Hazardous Air Pollutants). RL5-9

6) The District recommends that a copy of the District's comments be provided to the project proponent.

The above list of rules is neither exhaustive nor exclusive. To identify other District rules or regulations that apply to this project or to obtain information about District permit requirements, the applicant is strongly encouraged to contact the District's Small Business Assistance Office at (559) 230-5888. Current District rules can be found online at: www.valleyair.org/rules/1ruleslist.htm. RL5-10

District staff is available to meet with you and/or the applicant to further discuss the regulatory requirements that are associated with this project. If you have any questions or require further information, please call Patia Siong at (559) 230-5930.

Sincerely,

David Warner
Director of Permit Services

Arnaud Marjollet
Permit Services Manager

DW: ps

cc: File

Letter RL5. San Joaquin Valley Air Pollution Control District

RL5-1 Based upon suggestions by the commenter and others, the applicant has redesigned the project to include electric transportation refrigeration unit infrastructure (i.e., “reefer racks”) as a mitigation measure. As discussed under the Response to Comment FS2-1, the project’s emissions calculations and HRA have been updated. The updated emission calculations indicate that the project would not emit criteria pollutants at levels exceeding the SJVAPCD’s thresholds of significance. Likewise, the updated HRA indicates that the project’s DPM emissions do not cause health risk increases that exceed the SJVAPCD’s risk-based thresholds of significance. The updated emission totals and HRA account for the fact that the applicant has committed to installing electric TRU infrastructure (“reefer racks”) to accommodate all future demand at the rail yard. The updated emission calculations and HRA are contained in the Air Quality Technical Memo, which is included in Appendix A.

RL5-2 District Rule 9510 entails the preparation of an Air Impact Assessment and the identification and application of on-site and off-site mitigation measures, and is one of many regulatory measures potentially applicable to the project. Compliance with Rule 9510 is a separate regulatory process enforced directly by SJVAPCD, and need not be addressed further in this project’s EIR. No additional reductions in project emissions resulting from Rule 9510 were relied upon in the DEIR, and the final determination of the applicability or nonapplicability of Rule 9510 would therefore not result in increased impacts above those disclosed in the DEIR.

RL5-3 The Lathrop rail yard is not one of the 17 “designated rail yards” listed in the 2005 Rail Yard voluntary agreement, and hence, no previous HRA has been performed (UP’s nearby Stockton rail yard is a designated rail yard). The criteria pollutant dispersion analysis recommended by the commenter is not specified in the SJVPACD CEQA Guidelines. Rather the SJVAPCD CEQA Guidelines specify three possible levels of analysis (“small project,” “cursory,” and “full”), based on a projects’ general size metrics. The “full analysis level” was performed within the DEIR. The full analysis level of review entails the following elements:

- Discussion of air quality environmental setting
- Emissions quantification
- CO hotspots analysis
- Qualitative analysis of construction impacts
- Toxic risk assessment, using dispersion modeling, to determine the cancer risk for the nearest exposed individual
- Qualitative analysis of odors

Corresponding to the above full analysis level, the SJVAPCD CEQA Guidelines establish thresholds of significance for criteria pollutants (ROG and NOx mass emissions), 1-hour and 8-hour CO concentrations at "hotspot" intersections, cancer health risk, non-cancer health impacts, and qualitative significance thresholds for construction, odor, and cumulative impacts.

The SJVAPCD CEQA Guidelines do not contain criteria pollutant thresholds of significance based on ambient air quality concentrations, such as the national or California ambient air quality standards listed in Table 4.3-1 of the DEIR. Neither do the SJVAPCD CEQA Guidelines contain thresholds to determine whether the project would cause a significant contribution to an existing ambient air quality impact.

RL5-4 The commenter's recommended approach would underestimate the project's predicted health risk impacts to the degree that a less than zero impact level (i.e., a health risk benefit) would be attributed to the project. Specifically, the commenter recommends that the future year (either 2013 or 2021) with the highest DPM emissions be modeled as if that emission rate remains constant for 70 years. CEQA requires that that year be compared against the baseline year (2010) to evaluate project impacts. Due to the CARB's fleet modernization rules, coupled with the project's mitigation measures, future year DPM emission rates (in both 2013 and 2021) would be lower than the baseline year of 2010. As such, using the commenter's proposed methodology, the risk due to the project would be less than the baseline risk from the existing yard configuration, and the EIR would therefore conclude a health risk benefit due to expansion of the facility. The EIR therefore uses the more conservative approach, comparing the 70-year emission rate of the current configuration to the 70-year emission rate of the project configuration, with both configurations including foreseeable emission reductions due to CARB's fleet modernization rules.

RL5-5 This comment references EPA's and CARB's new engine certification requirements for heavy-duty on-highway engines, CARB's Drayage Truck Rule, Cargo Handling Equipment Rule, and On-Road Rule. All of these regulations are of State-wide application and are already enforceable by EPA and/or CARB without the need for repeating them in local land use permits or planning documents. These regulations were properly included in the analysis of the project's air quality impacts. The legal assumption is that the applicant's equipment would conform to the applicable rules.

RL5-6 The HRA contained in the DEIR, as well as the revised HRA contained in the Air Quality Technical Memo, include drayage truck operation along Roth Road out to a distance of 0.5 miles from the project's entry gate, as described at p. 4.3-56 of the DEIR. Due to the large number of diesel-fueled trucks associated with the project, their operation along local roadways has the potential to increase predicted health risk in the vicinity of the project. Neglecting these emissions would underestimate health risk impacts. Emissions occurring beyond 0.5 miles were deemed not to contribute to localized health risk impacts. This approach is consistent with the HRA's prepared under CARB's rail yard emission reduction program.

RL5-7 As described under the Response to Comment FS2-1, the project's emissions calculations and HRA have been updated. The updated HRA indicates that the project's DPM emissions would not cause health risk increases that exceed the SJVAPCD's risk-based thresholds of significance. The updated emission totals and HRA account for the fact that the applicant has committed to installing electric TRU infrastructure ("reefer racks") to accommodate all future demand at the rail yard. The updated emission calculations and HRA are contained in the Air Quality Technical Memo, which is included in Appendix A.

RL5-8 This comment is already addressed in the Project Description of the DEIR (see page 3-30 and Table 4.3-3).

RL5-9 This comment is already noted in the Project Description and Air Quality and Greenhouse Gasses Section of the DEIR (see page 3-30 and Table 4.3-3).

RL5-10 The SJVAPCD comment letter has been forwarded to the project proponent.

California Regional Water Quality Control Board
Central Valley Region
Katherine Hart, Chair

Matthew Rodriquez
Secretary for Environmental Protection

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Edmund G. Brown Jr.
Governor

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3 November 2011

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COMMENTS TO DRAFT ENVIRONMENTAL IMPACT REPORT, UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT, SCH NO. 2010082016, SAN JOAQUIN COUNTY

Pursuant to the State Clearinghouse's 21 September 2011 request, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) has reviewed the *Draft Environmental Impact Report* for the Union Pacific Expansion and Modernization Project, located in San Joaquin County.

Our agency is delegated with the responsibility of protecting the quality of surface and groundwaters of the state; therefore our comments will address concerns surrounding those issues.

Construction Storm Water General Permit

Dischargers whose project disturb one or more acres of soil or where projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Storm Water Discharges Associated with Construction Activities (Construction General Permit), Construction General Permit Order No. 2009-009-DWQ. Construction activity subject to this permit includes clearing, grading, grubbing, disturbances to the ground, such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. The Construction General Permit requires the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP). RL6-1

For more information on the Construction General Permit, visit the State Water Resources Control Board website at:
http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml

Phase I and II Municipal Separate Storm Sewer System (MS4) Permits[1]
The Phase I and II MS4 permits require the Permittees reduce pollutants and runoff flows from new development and redevelopment using Best Management Practices (BMPs) to the maximum extent practicable (MEP). MS4 Permittees have their own development standards, also known as Low Impact Development (LID)/post-construction standards that include a hydromodification component. The MS4 permits also require specific design concepts for LID/post-construction BMPs in the early stages of a project during the entitlement and CEQA process and the development plan review process.

For more information on which Phase I MS4 Permit this project applies to, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/municipal_permits/

Industrial Storm Water General Permit
Storm water discharges associated with industrial sites must comply with the regulations contained in the Industrial Storm Water General Permit Order No. 97-03-DWQ.

For more information on the Industrial Storm Water General Permit, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/industrial_general_permits/index.shtml.

RL6-2

Clean Water Act Section 404 Permit
If the project will involve the discharge of dredged or fill material in navigable waters or wetlands, a permit pursuant to Section 404 of the Clean Water Act may be needed for the United States Army Corps of Engineers (USACOE). If a Section 404 permit is required by the USACOE, the Central Valley Water Board will review the permit application to ensure that discharge will not violate water quality standards. If the project requires surface water drainage realignment, the applicant is advised to contact the Department of Fish and Game for information on Streambed Alteration Permit requirements.

If you have any questions regarding the Clean Water Act Section 404 permits, please contact the Regulatory Division of the Sacramento District of USACOE at (916) 557-5250.

Clean Water Act Section 401 Permit – Water Quality Certification
If an USACOE permit, or any other federal permit, is required for this project due to the disturbance of waters of the United States (such as streams and wetlands), then a Water Quality Certification must be obtained from the Central Valley Water Board prior to initiation of project activities. There are no waivers for 401 Water Quality Certifications.

[1] Municipal Permits = The Phase I Municipal Separate Storm Water System (MS4) Permit covers medium sized Municipalities (serving between 100,000 and 250,000 people) and large sized municipalities (serving over 250,000 people). The Phase II MS4 provides coverage for small municipalities, including non-traditional Small MS4s, which include military bases, public campuses, prisons and hospitals.

Waste Discharge Requirements
If USACOE determines that only non-jurisdictional waters of the State (i.e., "non-federal" waters of the State) are present in the proposed project area, the proposed project will require a Waste Discharge Requirement (WDR) permit to be issued by Central Valley Water Board. Under the California Porter-Cologne Water Quality Control Act, discharges to all waters of the State, including all wetlands and other waters of the State including, but not limited to, isolated wetlands, are subject to State regulation.

For more information on the Water Quality Certification and WDR processes, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_certification/
If you have questions regarding these comments, please contact me at (916) 464-4745 or gsparks@waterboards.ca.gov.

RL6-2 (cont.)

Genevieve Sparks

Genevieve (Gen) Sparks
Environmental Scientist
401 Water Quality Certification Program

cc: State Clearinghouse Unit, Governor's Office of Planning and Research, Sacramento

Letter RL6. California Regional Water Quality Control Board, Central Valley Region

RL6-1 The Draft EIR explicitly acknowledges that coverage under the Construction Stormwater General Permit would be required, as discussed on pages 4.10-11, 4.10-16, 4.10-17, and 4.10-24 of the Draft EIR.

RL6-2 The Lead Agency and applicant acknowledge that some of the permits indicated by the Regional Board may be required in support of the proposed project. In compliance with state and federal regulations, the applicant would be required to acquire coverage under/comply with the various permits indicated by the commenter, to the extent warranted by law. Therefore, required permits would be acquired, and no further discussion is warranted.

TO: Mo Hatef Associate Planner
San Joaquin County Community Development Department
1810 East Hazelton Avenue
Stockton, CA 95205

Ref: Union Pacific Expansion and Modernization Project
Draft Environmental Impact Report
SCH No. 2010082016
As prepared for San Joaquin County - September 2011 – by ESA Associates

From: Norman Hauser
2499 Appleleaf Lane
Manteca, CA 95336

(Resident of the Del Webb housing development and owner/occupant of the residential noise monitoring site referenced in the subject EIR as DW1)

Ms Hatef:

Please accept the following information as my written response to and input regarding the subject Draft EIR as referenced above (herein after referred to simply as "the EIR". This input should be considered as being in addition to those verbal inputs already received from me at three prior sessions.

I have attempted to specifically link my comments to identified notes or sections in the EIR. However, please understand that I may have missed an additional or more appropriate link to one or more other contents of the document. Please accept my comments as reflective of my specific concerns and understand that I intend that they be applied to any related section or comment in the EIR that I may not have specifically referenced or identified.

My comments are focused on issues related to noise and air quality with a related concern regarding the possibility of a fundamental change in the flow of intermodal containers from the Bay Area to the Central Valley in the reasonably close future through a project known as Short Sea Shipping. P1-1

AIR QUALITY:

Reference EIR page 6-5, paragraph 6.4, second bullet point:

Air Quality issues are projected to remain a significant concern, even if suggested mitigation measures have been applied. With the anticipated slow ramp-up of the volume of containerized cargo moving through this revised facility over a period of several years, I feel it quite reasonable to require (and request when more appropriate) that the Union

Pacific Railroad Company (hereafter simply referred to as "UP") be held to a higher standard of compliance than might otherwise be the case. Specifically:

1. Hostlers should be required to utilize alternative fuels that will generate the minimum achievable exhaust emissions while still remaining capable of providing cost effective service for UP. Tests were being conducted within one or more facilities at the Port of Los Angeles, California; USA that involved the use of either propane or natural gas fueled hostlers. Given the limited confines of the site that is the subject of EIR, such utilization or these or similar fuels should be reasonably manageable. I believe that the use of such fuels will provide a greater reduction in emissions than the use of any form of diesel fuels.

   I understand that UP will want/need to retain a degree of flexibility in the assignment of their hostler inventory to various of their operational sites. However, the volume of business at the subject Lathrop site should be sufficient to allow most, if not all, of these vehicles engaged in intra-facility operations to be configured to employ fuels that will generate the absolute minimum amount of emissions.

   Please note here that the definition of hostler as found in the Glossary on page 8-2 presupposes that they must be diesel-fueled vehicles. I maintain that such need not, necessarily, be the case.

P1-1 cont.

2. Intra-Yard vehicles, those used wholly within the confines of the site that is the subject of EIR such as pick-ups, maintenance, and employee shuttle vehicles, should be converted to utilize propane, natural gas, or a similar fuel. At least one tenant of the Port of Long Beach, the Metropolitan Stevedore Company, has employed this practice for many years while functioning within the jurisdiction of what is arguably the strictest air quality management district in the nation.

   I understand that UP will want/need to retain a degree of flexibility in the assignment of their vehicle inventory to various of their operational sites. However, the volume of business at the subject Lathrop site should be sufficient to allow most, if not all, of these vehicles engaged in intra-facility operations to be configured to employ fuels that will generate the absolute minimum amount of emissions. In the case of these types of general service vehicles, I would include those vehicles that would be primarily involved in intra-yard use but may be used from time-to-time in use off site but in close enough proximity so as to be reasonably considered covered by these notes. An example would be a vehicle that was driven off site to access a nearby vendor/store or to support maintenance or train movement supervision duties in the immediate vicinity of the Lathrop site.

P1-2

3. Wastewater treatment review addressed the concerns of groundwater and surface contamination that may have been caused by inappropriately dealing with surface runoff from various sources (as recapped on page 4.12-6 – Impact UTILITIES-1). Since I did not note a specific reference to the control of the byproduct of the evaporation of any volatile compounds that may be in this portion of the wastewater stream, I ask only that such issues be very specifically addressed in the final product. P1-3

NOISE:

1. Section 6.4 does not list noise issues as being among those concerns considered to be Significant and Unavoidable Environmental Impacts. I remained concerned, however, that not all reasonable means to reduce noise levels have been addressed. In the last paragraph on pate 4.4-62 reference is made to the practice of mitigating operational noise at tracks 701,702, and 703 in part through the routine stacking/storage of up to five container bays east of those working tracks and, similarly, stacking container bays east of working tracks 704 and 705. Please understand that the very act of stacking these container bays provides a source of impact noise that may be of short duration, and thus not of consequence while calculating overall noise impact levels, but are among the most noticeable and irritating to the occupants of homes to the east of the existing/proposed facility. P1-4

2. Though an attempt is made, as presented at the top of page 4.4-64 as Mitigation Measure NOISE -1b, "by requiring crane operators to tightly control descent speeds in the last few seconds before impact" I suggest and request that a more definitive and effective action would to require that the cranes used be retrofitted with or, if newly purchased, be ordered from the manufacturer with, a combination of hardware and appropriate electronic controls to automatically engage in a "slow down" mode when approaching the landing of an intermodal container onto a rail car or storage spot in a container bay. Certainly a skilled crane operator is capable of effective control of the speed of landing of an intermodal container. However, please understand that these same highly qualified and skilled individuals presently generate frequent "hard landings" and the resulting noise. To employ the combination of mechanical/electronic controls in addition to enhanced emphasis on operator best practices would provide the best chance of true noise reduction. After all, every time an intermodal container is handled there is an opportunity for a hard landing and the very reason for the site expansion is to triple the number of times these intermodal containers will be landed. P1-5

3. Suggested Mitigation Measure NOISE 1a attempts to deal with the matter of rebound impact noise generated when a chassis carrying an intermodal container is driven over a speed bump with the result that the container P1-6

bounces against the chassis. The resulting impact noise is another of those sounds that, when lumped in with all sources of noise during the passage of a given day may be of little consequence but which represents one of the more intrusive noises with which nearby residents must deal (similar in that regard to the "hard landing" noise noted above). Certainly the operations staff will have a degree of concern with the suggested mitigation measure of removing the existing speed bumps. However, alternative means of "traffic control" are available, basically in the form of increased driver accountability for those commercial truck drivers being serviced at the facility. In my experience, the use of a form of internal traffic control, which may include site-issued "CITATIONS" to truck drivers who violate site traffic rules, can be very effective. While site staff will have an initial increased demand on their time as new policies and practices are implemented it will not take long before the facility is known among the trucking community to be demanding of strict compliance. Any individual trucker or employer of truck drivers who find themselves banned from the facility due to repeated "violations" will either comply or be forced to seek another source of revenue. In either case, the related traffic issues within the facility will have been controlled and the underlying noise concerns addressed. P1-6 cont.

With regard to the concerns I have expressed above, I believe that each of the suggested avenues of mitigation is reasonable and achievable. I also would expect that the various procedural or equipment changes would be implemented over a period of time as the cargo volumes at the site increase. I would understand if a set of cargo volume and site construction related "trigger points" were employed when establishing a timeline for compliance. P1-7

SHORT SEA SHIPPING:

The Short Sea concept simply involves taking intermodal containers being moved in international commerce by ships and, rather than moving them individually by trucks to inland facilities, placing them on barges for movement upriver to the ports of Stockton and West Sacramento. At or near those ports, the intermodal containers would be moved onward by truck or rail. The reverse would be true for intermodal containers destined for export through one of the Bay Area port facilities.

I have commented at two prior meetings on this project with County staff on the possibility that intermodal containers will be moved from facilities in the Bay Area to the Port of Stockton (also, but more remotely, to the Port of West Sacramento). EIR addresses this possibility through comments that the end markets served by the Lathrop facility and those served by the UP rail yard in the East Bay are different and, thus, the development of a Short Sea service will not have any substantive impact on the Lathrop site. P1-8

My concern remains that, should a Short Sea service be implemented, pressure will be brought to bear on all players to move further rail traffic from the crowded and air quality impacted Bay Area to the Central Valley (NOW THAT AN ALTERNATIVE IS AVAILABLE). I ask that such a possible outcome require a separate review of the Lathrop site as the change in site cargo volume would take another significant move forward. Should there be an effort to move short sea cargoes through Lathrop I would not want to be limited to/by the findings and recommendations of this EIR. P1-8 cont.

Thank you for your consideration of my thoughts.

Norman Hauser

Norm Hauser

Letter P1. Norman Hauser

P1-1 The potential use of alternative fueled hostlers (including electric hostlers) at the project site is evaluated in the DEIR on pages 4.3-50 and 4.3-51. This potential measure corresponds to Options 10 through 12 in CARB's Technical Options Document. Natural gas and hybrid hostlers (Options 10 and 12) were not identified to produce any NOx emissions benefit over diesel-fueled units that are controlled under CARB's Cargo Handling Equipment Rule. Likewise, diesel-fueled hostlers that have been retrofitted with CARB-verified diesel particulate filters will emit air toxics at low levels comparable to spark-ignited units. Electric hostlers (Option 11) were identified as a technology not fully developed for full-scale primary deployment at an intermodal yard.

P1-2 The project does not include any substantial use of intra-yard vehicles, such as pickups, maintenance vehicles, or employee shuttle vehicles. While the project description does not preclude a minimal number of such vehicles from operating within the yard, their potential contribution to the total project emissions would be negligible compared to the project's other emission sources. Installing alternative fueling infrastructure for negligible vehicle use would not constitute feasible mitigation under CEQA.

P1-3 The project includes an onsite wastewater treatment plant that would treat stormwater runoff and vehicle wash-down runoff. The primary purpose of the wastewater system would be to remove solids (sediment) and oils from runoff prior to discharge to onsite evaporation basins. Collected oils and solids would be disposed of offsite. No VOCs would be discharged to the wastewater, and therefore, no substantial VOC evaporation is expected.

P1-4 The use of containers stacked in very close proximity to working tracks as noise screens meant to mitigate operational noise during container loading/unloading is an effective mitigation measure due to the increase in mitigation performance provided by noise screens when located close to the source of noise.

Although container stacking noises have relatively minor influence on daily average metrics such as the L_{dn} used by land use planning documents like the Noise Element of the San Joaquin County General Plan, they are properly accounted for by the L_{max} and the hourly average L_{eq1hr} metrics used by the County's Noise Ordinance (see Table 4.4-9 in the Draft EIR[6]). Detailed measurements made at location DW-1 in the Del Webb neighborhood, shown in Figure 4.4-10, revealed many container landing events that approached the 65 L_{max} nighttime limit. Given the frequency of these events throughout the nighttime hours, these events are considered significant contributors to the hourly noise averages observed, which routinely exceed the 45 L_{eq1hr} limit imposed by the County's Noise Ordinance (see Figure 11 in the Appendix E), thus creating a

6 San Joaquin County, Public Health and Safety Element, 2010 General Plan, Policies 1(c) and 1(d).

significant noise impact. At receptors closer to the source, such as those on Airport Way directly east of the site, container landing noise events are not only likely to be significant contributors to the overall facility noise hourly average, which currently exceeds and is expected to exceed the 45 dBA L_{eq1hr} nighttime County limit, but they are also likely to exceed the 65 dBA L_{max} nighttime maximum limit if unmitigated due to the tripling of containers being handled.

The stacking of intermodal containers, in addition to mitigating operational noise from the project, is inherently necessary to maximize the use of available container parking at the facility and to avoid the need for a larger facility footprint, with additional, attendant environmental impacts. Thus, the DEIR recommends Mitigation Measures NOISE-1a, -1b, -1c and -1d to reduce overall project related noise from yard operations, including container stacking, to a level of insignificance, including at the closest residential receivers and at receiver R-3.

P1-5 A mitigation measure to control descent speeds for container landings has already been identified as Mitigation Measures NOISE-1b. The applicant has advised that to comply with this mitigation measure, the RTG's which would be utilized in connection with the project would be equipped with software/sensor controls, referred to as the Damage Prevention System, or a similar system, to automatically reduce hydraulic spreader hoist down speeds by 50% approximately 24 inches above: (i) a container being retrieved, or (ii) the point of landing when a container is being handled, to minimize noise. Mitigation Measure NOISE-1b at page 4.4-64 of the DEIR will therefore be revised as follows to incorporate the fact that descent speeds will be governed by software and sensor controls:

> **Mitigation Measure NOISE-1b:** Reduce container landing noise by requiring crane operators to <u>utilize software/sensor controls to</u> tightly control descent speeds in the last few seconds before impact.

P1-6 Mitigation Measure NOISE-1a on page 4.4-63 of the Draft EIR includes three detailed measures to reduce truck rebound impact noise and is considered adequate for the identified impact.

P1-7 Comment noted.

P1-8 Short Sea Shipping, or the Marine Highway Project, would provide for the transfer of cargo containers by barge rather than by truck between the Ports of Oakland and Stockton. To the extent the Marine Highway Project would provide for the transfer of containers originating from or destined for the Lathrop Intermodal Terminal, with containers being trucked between the Port of Stockton and the Intermodal Facility, overall transportation impacts from drayage trucks on the local and regional roadway network would be reduced, not increased. However, because the Marine Highway Project is at its inception, the DEIR cannot rely upon the availability of this mode of transport in its analysis of the project's transportation impacts. The DEIR therefore provides, at a minimum, a conservative estimate of transportation and related air quality impacts from the transport of containers to and from the Intermodal Terminal without incorporating any benefits that might accrue from the Marine Highway Project into the analysis. That said, the Intermodal Terminal handles domestic freight in 53-foot containers and not the smaller, 40 foot containers utilized at the Port of Oakland for marine transport. So it is unclear at best whether the Marine Highway Project would provide an alternative to drayage trucks for goods movement to and from the Intermodal Terminal. Either way, the Marine Highway Project would not increase the capacity of the Project to handle cargo; the Intermodal Terminal's capacity will be limited by the infrastructure associated with the facility expansion and not the availability of the Marine Highway Project.

Comment Letter P2

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November 7, 2011

Mo Hatef
San Joaquin County Community Development
1810 E. Hazelton Avenue
Stockton, California 95205

Re: Comments on Draft EIR/Union Pacific Expansion Project

Dear Ms. Hatef:

This office represents CenterPoint Properties ("CenterPoint") in connection with the above-referenced matter. In 2010, CenterPoint obtained approval from the City of Manteca for the Northwest Airport Way Master Plan and related land use entitlements, which will authorize development of approximately 3.1 million square feet of industrial warehousing, handling and distribution buildings, as well as other light industrial and commercial development. CenterPoint owns a significant portion of the land within the boundaries of the Northwest Airport Way Master Plan, and is contiguous to the proposed UP Expansion Project. On behalf of CenterPoint, I hereby submit the following comments on the Draft Environmental Impact Report (the "DEIR") for the Union Pacific Expansion and Modernization Project (the "Project").

As the County is aware, the California Environmental Quality Act ("CEQA") process is an informational device for the disclosure of all potentially significant impacts from a project, for identification of all feasible mitigation measures that can lessen a project's impacts, and a vehicle for the identification of project alternatives that can avoid and lessen significant project impacts. Accordingly, this letter addresses only the adequacy of the DEIR, and not the merits of the underlying project. Clearly, the Project will promote economic development and will offer significant employment opportunities. These public benefits are particularly important in the current economic climate. P2-1

CenterPoint is aware that public agencies, including the cities of Manteca and Lathrop, as well as Caltrans and the CPUC, have submitted comments pertaining to the traffic analysis in the DEIR. As a major stakeholder in the area, CenterPoint encourages a thoughtful and comprehensive response to these comments in the Final EIR. In addition, CenterPoint believes the Project's relationship to the Northwest Airport Way Master Plan and its internal roadway network could be addressed in more detail in the Final EIR.

Thank you for the opportunity to provide these comments.

Very truly yours,

Law Office of Thomas H. Terpstra

Thomas H. Terpstra
Attorney-at-Law

THT:rr

Letter P2. Thomas H. Terpstra

P2-1 The Northwest Airport Way Master Plan and its relationship to the project is addressed in Section 3.5.3 of the DEIR (page 3-22) and in the cumulative analysis as indicated in Table 6-1 on page 6-3 of the Draft EIR. Regarding the proposed internal roadway between the project and the CenterPoint Properties project, please see Response to Comment RL1-3 above. Regarding the commenter's request that the FEIR provide a "thoughtful and comprehensive response" to public comments, please see this Response to Comments document contained in the FEIR.

CHAPTER 4
Responses to Comments at the Administrative Hearing

This chapter reviews the environmental topics raised and responds to verbal comments from the October 25, 2011 Administrative Hearing.

ADMINISTRATIVE HEARING 10/25/11

BILL BARNHART 1325 MAPLE VALLEY STREET, MANTECA

-Excellent workshop

-Might be an opportunity for further noise mitigation to conform with new Northwest Airport Way landscape plans and install a 6' foot berm with 6' hedge in front of that along Airport Way. This was required of Centerpoint for noise mitigation. Feels it would be better than a sound wall. Requesting to install landscaping along Airport Way for the remaining distance Centerpoint is not covering. Suggested partnering with the City of Manteca and Centerpoint so all landscaping could be done at once all along Airport Way. PC-1

NORM HAUSER 2499 APPLELEAF LANE, MANTECA, CA

-Really appreciates openness of San Joaquin County and Union Pacific

-Seconds Bill's comments

-Biggest area of concern is noise and particulates.

-Did testing in his backyard that showed 50/60 dB range instead of the permitted 45dB per the County at night. It's such that if you are sitting outside, sounds like people having conversation next to you at all times. The ambient noise level such that it's serious lifestyle impact. People have to close doors because can't have conversations. PC-2

-Particulates are a concern, especially for older people with respiratory problems to begin with. PC-3

-Short Sea Shipping not included in analysis. If Short Sea happens, some cargo may be at Port of Stockton and then might come to Union Pacific. See what reality is of Short Sea occurring. I have to assume UP looking into possibility of this and handling additional cargo. May change balance of types of cargo handled and may further impact on the particulates side. I understand UP folks are trying to mitigate the normal progression engine and fuel cleanliness requirements handled per CARB. If Short Sea projects happen and non regional cargo comes through this site, trucks can fuel in other states and circumvent CARB requirements. PC-4

LOU TALLERICO 11630 SOUTH AIRPORT WAY, MANTECA

Two things I didn't understand. Regarding traffic study, there was a breakdown of what percent of the traffic was going to go to Roth, north on Airport, and what was going to go south. I didn't find anything that justified those assumptions. Do they have something to justify those numbers? Could they run a parameter study to see how changing those ratios would change the results to impacts to each intersection? PC-5

-Intersection of Rail on Roth Road- explained in document how making track longer and this is going to minimize stops at Roth Road at the tracks. I didn't quite understand how it going to minimize stops. Please review section. PC-6

Letter PC. Public Comment Meeting (Administrative Hearing)

PC-1 As opposed to the geometrical conditions at CenterPoint, the construction of a 6-foot tall berm for acoustic purposes at the project site was deemed not effective due to the very long setback distance between the sources of noise and the east property line of the UP site, which renders the benefit of sound berms (or barriers) of reasonable size minimal given the frequently occurring atmospheric inversion and wind conditions in the San Joaquin Valley. Please see the section on Acoustic Fundamentals and Figures 4.4-6 and 4.4-7. This was also verified by computer modeling of 15 and 25 feet tall barriers which, even under a favorable “neutral” atmospheric condition (i.e. no inversions or wind) yielded very modest reductions of 5 to 9 decibels. Such reductions would not take place during inversion and moderate wind conditions. As indicated in the Acoustic Fundamentals section of the DEIR, vegetation does not provide meaningful noise mitigation; therefore the planting of a hedge atop the berm would not count towards the effective height of the proposed sound barrier. Finally, to the extent this comment is suggesting that a sound wall or berm or landscaping be placed along Airport Way, the applicant does not own or control any land along Airport Way, and this roadway falls within the City of Manteca and outside the control of the County, as the lead agency. Any comments regarding such measures along Airport Way should be directed to the City of Manteca and/or the owner of property along this roadway.

PC-2 This is a similar comment by the same commenter to that already addressed under P1-1, P1-4, P1-5, and P1-6 above. Further, the purpose of the DEIR is to analyze noise impacts from the project in relation to existing background noise and whether the project would increase existing noise levels above significance thresholds. The DEIR considers all feasible mitigation measures to mitigate noise impacts from the project. As discussed in the DEIR, noise impacts would be reduced to a level of insignificance if such mitigation measures are implemented. Particulates are addressed under Impact AIR-3 which identifies health risks associated with the project.

PC-3 Particulates are addressed under Impact AIR-3 which identifies health risks associated with the project.

PC-4 Short Sea Shipping, or the Marine Highway Project, would provide for the transfer of cargo containers by barge rather than by truck between the Ports of Oakland and Stockton. To the extent the Marine Highway Project would provide for the transfer in part of containers originating from or destined for the Lathrop Intermodal Facility, with containers being trucked between the Port of Stockton and the Intermodal Facility, transportation impacts from drayage trucks on the local and regional roadway network would be reduced, not increased. However, because the Marine Highway Project is in its inception, the DEIR cannot rely upon the availability of this mode of transport in its analysis of the project’s transportation impacts. The DEIR therefore provides, at a minimum, a conservative estimate of transportation and related air quality impacts from the transport of containers to and from the Intermodal Terminal, without incorporating any benefits that might accrue from the Marine Highway Project into the analysis. Further, the Intermodal Terminal handles domestic freight in 53 foot containers and not the smaller, 40 foot containers utilized at the Port of Oakland for international marine transport. So it is unclear at best whether the Marine Highway Project would provide an alternative to drayage trucks for goods movement to and from the Intermodal Terminal. Either way, the Marine Highway Project would not increase the capacity of the project to handle cargo; the Intermodal Terminal’s capacity will be limited by the infrastructure associated with the facility expansion and not the availability of the Marine Highway Project. Finally, any drayage trucks handling cargo between the Port of Stockton and the Intermodal Facility would be required to comply with all applicable CARB requirements pertaining to air quality.

PC-5 As stated under Project Trip Distribution in the DEIR, the directional distribution to/from the facility on Roth Road was directly based on three-day (72-hour) classification count data collected at the UP facility driveway in October 2010. Distribution splits beyond Roth Road were based on 12-month UP truck dispatch information provided in Appendix F.19.

PC-6 As discussed at page 3-13 of the DEIR, one of the primary benefits of the project would be to expand the existing loading ramp of the Intermodal Facility to allow an entire intermodal train to pull into the facility for loading/unloading. Currently, trains must be broken down and loaded/unloaded in multiple segments given the limited length of the loading ramp, which requires multiple switching operations over the at-grade crossing with Roth Road.

CHAPTER 5
Revisions to the Draft EIR

The following revisions are made to the Draft EIR and incorporated as part of the Final EIR. Revised or new language is underlined. Deleted language is indicated by ~~strikethrough~~ text.

The revisions in this chapter provide clarification of the information contained in the DEIR, and do not identify any new significant impacts not identified in the Draft EIR, nor do they reveal a substantial increase in the severity of any identified significant environmental impact. The revisions further do not describe any alternative or mitigation measure considerably different from those identified in the Draft EIR. Accordingly, the revisions in this chapter are not considered "significant new information," and the EIR need not be recirculated for public comment prior to certification (CEQA Guidelines Section 15088.5).

Section A identifies staff-initiated changes made to the Draft EIR. Section B identifies changes made to the EIR in response to comments received.

A. Staff-Initiated Changes to the Draft EIR

The text changes presented in this section are initiated by Lead Agency staff. Changes include text corrections to the Draft EIR to clarify or amplify the information presented in the Draft EIR, as well as corrections to certain wording in the Draft EIR. None of the revisions results in fundamental alterations of the conclusions of the Draft EIR.

Significant Unavoidable Impacts on p.2-2 have been revised as follows:

> ~~**Conversion of Important Farmland:** Implementation of the proposed project would result in the permanent conversion of approximately 154 acres of Important Farmland (approximately 115 acres of Prime Farmland and approximately 39 acres of Farmland of Statewide Importance).~~
>
> ~~**Cumulative Loss of Important Farmland:** The proposed project would contribute to cumulative farmland conversion in San Joaquin County.~~

Air Quality Impacts on p.2-8 have been revised as follows:

> ~~**Air Quality Impacts:**~~
>
> ~~Impact AIR-2: Air quality thresholds for VOC and NOx would be exceeded during project operations.~~

~~Impact AIR-3: Toxic air contaminant thresholds related to health risks would be exceeded during project operations.~~

~~Impact AIR-4: Cumulative air quality impacts from criteria air pollutants and toxic air contaminants would exceed thresholds.~~

The first sentence under Section 3.2.1 on p.3-3 has been revised as follows:

The project site consists of the following parcels (listed by Assessor's Parcel Numbers [APNs]) ~~(Parcels with an asterisk [*] are parcels to be acquired for the project.)~~

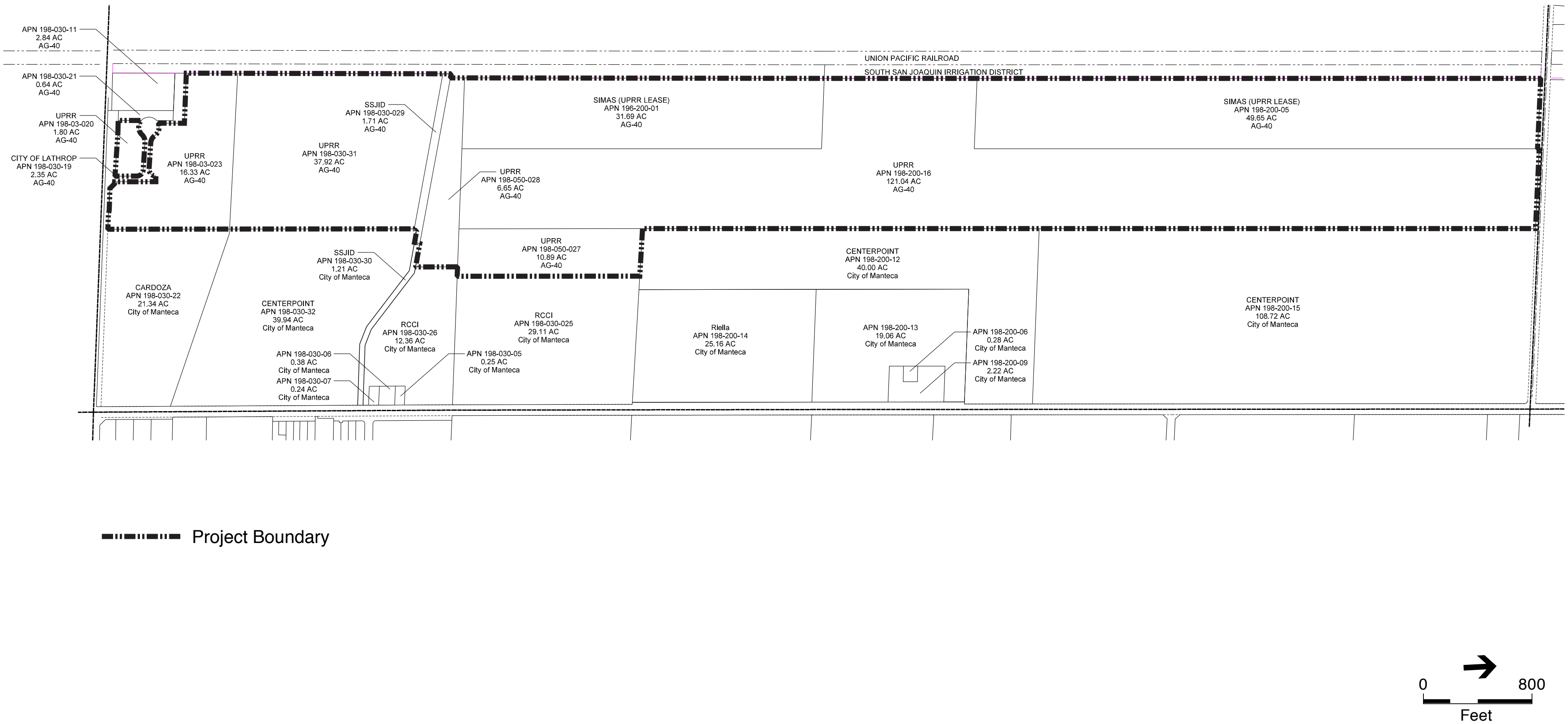
The following bullets have been revised on p.3-3 under 3.2.1:

- 198-200-05: 49.65 acres
- 198-200-01: 31.69 acres
- 198-030-20: 1.80 acres
- ~~198-030-08~~ 198-030-29: 1.71 acres~~*~~
- ~~198-030-24: 17.54 acres~~
- ~~198-030-16~~ 198-030-31: 37.92 acres~~*~~
- 198-030-23: 16.33 acres
- 198-200-16: 121.04 acres
- 198-050-028: 6.65 acres
- ~~198-030-03~~ 198-050-27: 10.89 acres

The following footnote has been added on p.3-3 regarding APNs 198-030-08, 198-030-16, and 198-030-03, respectively:

Those portions of APNs 198-030-08, 198-030-16, and 198-030-03 acquired by Union Pacific have subsequently been renumbered by San Joaquin County as 198-030-29, 198-030-31, and 198-050-28, respectively.

Figure 3-3, Project Site Parcel Ownership, on p.3-5 has been replaced with a new figure reflecting current San Joaquin County APNs.



SOURCE: TranSystems

Union Pacific Modernization and Expansion Project EIR . D210541

Figure 3-3
Project Site Parcel Ownership

The first sentence of the second paragraph on p.4.3-39 has been edited as follows:

Phase 2 applies to all drayage trucks with a GVWR of 26,000 pounds and greater and requires a VDECS on all 2006 and earlier MY vehicles by December 31, 2013.

The third sentence of the third paragraph on p.5-4 has been edited as follows:

~~Health risks associated with project-related diesel emissions would not result.~~

The last sentence of the third paragraph on p.5-4 has been edited as follows:

Also, the current facility would continue operating without being required to implement, or implement as quickly Mitigation Measures AIR-2a (switch locomotives to Tier Zero Plus emissions levels by 2021), 2b (anti-idling), 2c (AGS), ~~and~~ 2d (CARB diesel) to reduce operational VOC and NOx at the facility, and 2e related to electrical infrastructure.

The last sentence on p.5-10 has been edited as follows:

Thus, this significant ~~and unavoidable~~ impact would be eliminated.

Table 5-1 on p.5-13 has been edited as shown on the following page.

Both of the identical Land Use and Agricultural Resources bulleted items on p.6-5 have been revised as follows:

- ~~**Land Use and Agricultural Resources:** as related to removal of agricultural lands~~

Both of the identical Air Quality bulleted items on p.6-5 have been revised as follows:

- ~~**Air Quality:** as related to health risks and generation of VOC and NOx emissions~~

TABLE 5-1
COMPARISON OF IMPACTS OF PROJECT ALTERNATIVES (AFTER MITIGATION)

Environmental Issue Area	Proposed Project	ALT 1 No Project	ALT 2 Reduced Development Alternative	ALT 3 Modernization-Only Alternative
Land Use and Agricultural Resources	LTS/~~SU~~	NI	LTS/~~SU-~~	NI
Transportation and Traffic	SU	NI	SU-	LTS-
Air Quality and Greenhouse Gas Emissions	LTS~~/SU~~	NI	LTS~~-/SU-~~	LTS-
Noise	LTS	NI	LTS-	LTS-
Aesthetics	LTS	NI	LTS-	NI
Biological Resources	LTS	NI	LTS-	NI
Cultural Resources	LTS	NI	LTS-	LTS-
Geology and Soils	LTS	NI	LTS-	NI
Hazards and Hazardous Materials	LTS	NI	LTS-	LTS-
Hydrology and Water Quality	LTS	NI	LTS-	LTS-
Public Services	LTS	NI	LTS-	NI
Utilities and Service Systems	LTS	NI	LTS-	NI

NOTES:
PP = Proposed Project
ALT 1 = No Project Alternative
ALT 2 = Reduced Development Alternative
LTS = Less than significant impact (with mitigation)
\+ = Greater adverse impact than proposed project
\- = Lesser adverse impact than proposed project
NI = No Impact
SU = Significant unavoidable impact
LTS/SU = Depending on the significance criteria, some impacts may be less than significant while other may remains significant and unavoidable.

SOURCE: ESA, 2011.

B. Changes to the Draft EIR in Response to Comments

The text and figure changes presented in this section were initiated by comments on the Draft EIR that were made at the Administrative Hearing on October 25, 2011 and the Planning Commission meeting on the Draft EIR on November 3, 2011 and by written comments that were made during the 45-day public review period that began on September 21, 2011 and closed on November 7, 2011. The text and figure changes are as follows.

Impact LAND USE-1, LAND USE-2, TRANS-8, TRANS-9, TRANS-10, TRANS-15, TRANS-16, TRANS-17, AIR-2, AIR-3, AIR-4, and NOISE-1 in Table 2-1, Summary of Impacts and Mitigation Measures, on p.2-11 have been revised as shown on the following pages.

Environmental Impact	Mitigation Measure	Level of Significance after Mitigation
Land Use and Agricultural Resources		
Impact LAND USE-1: Implementation of the proposed project would result in the permanent conversion of land designated by the Department of Conservation Farmland Mapping and Monitoring Program (FMMP) as Prime Farmland, Farmland of Statewide Importance or Unique Farmland. (Significant ~~and Unavoidable~~)	~~No feasible mitigation measures.~~ **Mitigation Measure LAND-1:** To mitigate the conversion of Important Farmland for the project, the project sponsor shall either dedicate or acquire a conservation easement which preserves farmland or pay in lieu fees for the acquisition of such an easement. A conservation easement is an encumbrance sometimes including a transfer of usage rights (easement) which creates a legally enforceable land preservation agreement between a landowner and a government agency (municipality, county, state, federal) or a qualified land protection organization (often called a “land trust”), for the purposes of conservation. It restricts real estate development, commercial and industrial uses, and certain other activities on the property. This mitigation strategy would ensure that the acquisition of the conservation easement land achieves maximum benefits for the residents of San Joaquin County and other public or private land conservation programs. The number of acres of agricultural land subject to a conservation easement shall be equal to the number of acres of Important Farmland that would be changed to a non-agricultural use by the proposed project [a 1:1 ratio] and of equal or better quality as the Important Farmland converted by the project. Final approval of the proposed project shall be contingent upon the execution of the legal instrument to create a conservation easement as described herein or payment of an in-lieu fee to a government agency or qualified land protection organization/land trust, including SJCOG Inc. under the San Joaquin Multiple Species Conservation Program (SJMSCP), for the acquisition of such an easement within San Joaquin County. A conservation easement which preserves farmland may be combined with a conservation easement which also preserves habitat for biological resources, including under the SJMSCP, provided the easement preserves farmland of equal quantity and quality as the Important Farmland converted by the project.	Less than Significant ~~and Unavoidable~~
Impact LAND USE-2: The project would contribute to the cumulative loss of Important Farmland in San Joaquin County (Significant ~~and Unavoidable~~)	~~No feasible mitigation measures.~~ Implementation of **Mitigation Measure LAND-1**.	Less than cumulatively considerable ~~Significant and Unavoidable~~
Transportation and Traffic		
TRANS-8: Traffic generated by buildout of the proposed project (Phases I and II) during the PM peak hour would increase the average vehicle delay at the unsignalized intersection of Roth Road and I-5 Southbound Ramps (which would operate at an unacceptable LOS F under 2021 no-project conditions) by more than the Caltrans threshold of significance, and the Peak Hour Signal Warrant would be met. Given that this facility is designated as part of San Joaquin County’s Regional CMP, this impact is also identified as a CMP impact. (Significant and Unavoidable)	**Mitigation Measure TRANS-8:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Roth Road and I-5 Southbound Ramps by paying a fair share fee to San Joaquin County equal to the project’s equitable fair share of 6.1% of such improvement multiplied by the estimated cost of such improvement~~, which improvement is programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications~~. Construction of this improvement would improve the intersection LOS to an acceptable LOS C or better.	Significant and Unavoidable

Environmental Impact	Mitigation Measure	Level of Significance after Mitigation
Impact TRANS-9: Traffic generated by buildout of the proposed project (Phases I and II) during the PM peak hour would degrade conditions from LOS E to LOS F, and increase the average vehicle delay by more than the Caltrans threshold of significance, at the unsignalized intersection of Roth Road and I-5 Northbound Ramps, and the Peak Hour Signal Warrant would be met. Given that this facility is designated as part of San Joaquin County's Regional CMP, this impact is also identified as a CMP impact. (Significant and Unavoidable)	**Mitigation Measure TRANS-9:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Roth Road and I-5 Northbound Ramp by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 9.8% of such improvement multiplied by the estimated cost of such improvement~~, which improvement is programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications~~. Construction of this improvement would improve the intersection LOS to an acceptable LOS B or better.	Significant and Unavoidable
Impact TRANS-10: Traffic generated by buildout of the proposed project (Phases I and II) would degrade conditions from an acceptable LOS D to an unacceptable LOS E during the AM peak hour, and would degrade conditions from LOS E to LOS F and increase the average vehicle delay by more than the three-second threshold of significance during the PM peak hour, at the unsignalized intersection of Roth Road and Harlan Road, and the Peak Hour Signal Warrant would be met. (Significant and Unavoidable)	**Mitigation Measure TRANS-10:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of the following improvements by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 12.2% of such improvements multiplied by the estimated cost of such improvements: ~~the applicable fees for the project under the RTIF program if such improvements are included within the program at the time of building permit applications, or alternatively, if such improvements are not included under the RTIF program at the time of building permit applications, by paying fees to San Joaquin County for the following improvements, based upon the project's equitable fair share of such improvements, if an alternative fee collection program exists at the time of building permit applications which has been established by the County and/or the City of Lathrop and which the County, as Lead Agency, determines is part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue:~~ (i) installation of a traffic signal at the intersection of Roth Road and Harlan Road, with protective left-turn signal phasing for Harlan Road approaches, (ii) conversion of the northbound Harlan Road approach from the existing shared left-turn/through lane and separate right-turn lane to a separate left-turn lane and shared through/right-turn lane, and (iii) conversion of westbound and southbound approaches from shared left-turn/through/right-turn lane to separate left-turn lane and a shared through/right turn lane. Construction of the above improvements would improve intersection LOS to an acceptable LOS C.	Significant and Unavoidable
Impact TRANS-15: Traffic generated by buildout of the proposed project (Phases I and II) during the AM and PM peak hours would increase the average vehicle delay at the unsignalized intersection of Roth Road and I-5 Southbound Ramps (which would operate at an unacceptable LOS F under 2035 no-project conditions) by more than the threshold of significance, and the Peak Hour Signal Warrant would be met. Given that this facility is designated as part of San Joaquin County's Regional CMP, this impact is also identified as a CMP impact at this intersection. (Significant and Unavoidable)	**Mitigation Measure TRANS-15:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-8 ~~(contribute fair share of the cost of installation of a traffic signal at the intersection of Roth Road and I-5 Southbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program),~~ and shall contribute its fair share of the cost of installing the following additional improvements by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 6.1% of such improvements multiplied by the estimated cost of such improvements: (i) conversion of the southbound approach from left and shared left-turn/through/right-turn lane to separate left and a shared right-turn/through lane, and (ii) construct an additional left-turn lane on the westbound approach, which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve intersection LOS to an acceptable LOS C or better.	Significant and Unavoidable

Environmental Impact	Mitigation Measure	Level of Significance after Mitigation
Impact TRANS-16: Traffic generated by buildout of the proposed project (Phases I and II) in 2035 would degrade conditions from an acceptable LOS D to an unacceptable LOS E during the AM peak hour, and would increase the average vehicle delay by more than the threshold of significance during the PM peak hour, at the unsignalized intersection of Roth Road and I-5 Northbound Ramps in 2035 (which would operate at an unacceptable LOS F under 2035 no-project conditions during the PM peak hour), and the Peak Hour Signal Warrant would be met. Given that this facility is designated as part of San Joaquin County's Regional CMP, this impact is also identified as a CMP impact. (Significant and Unavoidable)	**Mitigation Measure TRANS-16:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-9 ~~(contribute fair share of the cost of installation of a traffic signal at the intersection of Roth Road and I-5 Northbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program), by paying the applicable fees for the project under the RTIF program at the time of building permit applications~~. Construction of the~~is~~ improvements described in Mitigation Measure TRANS-9 would improve intersection LOS to an acceptable LOS C.	Significant and Unavoidable
Impact TRANS-17: Traffic generated by buildout of the proposed project (Phases I and II) during the AM and PM peak hours in 2035 would increase the average vehicle delay by more than the threshold of significance, at the unsignalized intersection of Roth Road and Harlan Road, and the Peak Hour Signal Warrant would be met. (Significant and Unavoidable)	**Mitigation Measure TRANS-17:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-10 ~~(contribute fair share of the cost of the improvements described therein if such improvements are part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue) by paying the applicable fees for the project under the RTIF program if such improvements are included within the program at the time of building permit applications, or alternatively, if such improvements are not included under the RTIF program at the time of building permit applications, by paying fees to San Joaquin County for such improvements, based upon the project's equitable fair share of such improvements, if an alternative fee collection program exists at the time of building permit applications which has been established by the County and/or the City of Lathrop and which the County, as Lead Agency, determines is part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue~~. Construction of the improvements described in Mitigation Measure TRANS-10 would improve intersection LOS to an acceptable LOS C.	Significant and Unavoidable
Air Quality and Greenhouse Gases		
Impact AIR-2: Air quality thresholds for VOC and NOx would be exceeded during project operations. (Significant ~~and Unavoidable~~)	**Mitigation Measure AIR-2a:** All facility switch locomotives shall meet Tier 0 Plus emission levels by 2021. **Mitigation Measure AIR-2b:** The facility shall implement an anti-idling policy at the facility that generally limits non-necessary idling of cargo-handling equipment to five minutes or less. The policy shall include those exceptions that are determined to be necessary by the applicant for safe and efficient railroad operations, including, but not limited to, as necessary to ensure the safe operation of the equipment or to protect the safety of any person, as necessary during adverse weather, as necessary for equipment testing, and as necessary to power a heater or air conditioner or ancillary equipment. **Mitigation Measure AIR-2c:** The facility shall install an automatic gate system (AGS). **Mitigation Measure AIR-2d:** One hundred percent of Direct-to-Locomotive (DTL) refueling performed at the facility shall be with diesel fuel meeting CARB's specification for on-highway diesel (i.e., with CARB diesel).	~~Significant and Unavoidable for Years 2013 through 2021.~~ Less than Significant ~~by Year 2035 and thereafter.~~

Environmental Impact	Mitigation Measure	Level of Significance after Mitigation
	Mitigation Measure AIR-2e: The facility shall install electrical infrastructure (i.e. "a reefer rack") to support the operation of one hundred percent of the expected container TRUs on electrical power while being stored at the facility.	
Impact AIR-3: Toxic air contaminant thresholds related to health risks would be exceeded during project operations. (Significant ~~and Unavoidable~~)	**Mitigation Measure AIR-3:** Implement Mitigation Measures AIR-2a, AIR-2b, AIR-2c, ~~and~~ AIR-2d, and AIR-2e. Mitigation measures potentially applicable to the project were reviewed under Impact AIR-2. Because the candidate mitigation measures reduce both criteria pollutant emissions as well as emissions of air toxics (DPM), the same measures that were feasible to implement under Impact AIR-2 are also considered mitigation measures for Impact AIR-3.	Less than Significant ~~and Unavoidable~~
Impact AIR-4: Cumulative air quality impacts from criteria air pollutants and toxic air contaminants would exceed thresholds. (Significant ~~and Unavoidable~~)	**Mitigation Measure AIR-4:** Implement Mitigation Measures AIR-2a, AIR-2b, AIR-2c, ~~and~~ AIR-2d, and AIR-2e. Mitigation measures potentially applicable to the project were reviewed under Impact AIR-2. Because the candidate mitigation measures would reduce both criteria pollutant emissions as well as emissions of air toxics (DPM), the same measures that were feasible to implement under Impact AIR-2 are also considered mitigation measures for Impact AIR-4.	Less than Significant ~~and Unavoidable~~
Noise		
Impact NOISE-1: Project-related noise exposure increases from yard operations would be expected to match or exceed the applicable +3 dB significance threshold and/or cause the 45 dBA Leq1hr nighttime significance criterion to be exceeded in all future conditions at Residential Receptor DW1, southeast of the facility, and at Residential Receptor R-3, southwest of the facility. (Significant)	**Mitigation Measure NOISE-1a:** Reduce truck rebound impact noise by removing speed bumps and by posting large, clearly visible signs requiring drivers to observe maximum allowable speeds. In addition, install radar-operated or induction-loop operated large electronic speed indicator signs with rapidly flashing alerts in case of speed violations to clearly signal drivers their current speed. In addition, maintain the roads so as to reduce truck vibration due to surface roughness, expansion joint gaps, cracks and holes that would otherwise generate impact noise. **Mitigation Measure NOISE-1b:** Reduce container landing impact noise by requiring crane operators to utilize software/sensor controls to tightly control descent speeds in the last few seconds before impact. **Mitigation Measure NOISE-1c:** The applicant shall test the feasibility of utilizing electric hybrid cranes as an alternative to diesel powered gantry cranes and shall incorporate such hybrid cranes into the project's operations if the applicant determines they are operationally and economically feasible. **Mitigation Measure NOISE-1d:** The applicant shall replace the current single-tone backup alarms used in Gantry Cranes and other vehicles with Ambient-Sensitive Self-Adjusting Backup Alarms, which automatically increase or decrease their volume based upon background noise levels to ensure that the tone produced is no louder than necessary. Applicant should also test the safety implications of replacing single-tone backup alarms with less intrusive broadband noise types and determine if such replacement is feasible without compromising yard safety	Significant and unavoidable because one or more of the mitigation measures identified above, namely electric hybrid cranes and/or broadband noise alarms, may not be operationally feasible and could compromise intermodal yard safety. Less than significant if all of the mitigation measures identified above are implemented. In this case, it is expected that project-related noise exposure increases at the closest residential receivers would be mitigated to less than 3 dB, and project-related noise exposure would be limited to 45 dB Leq1h at receiver R-3.

The last sentence on p.4.1-13 has been edited as follows:

> The project site is ~~not~~ located within the Stockton Metropolitan Airport Influence Area (AIA). ~~an airport land use compatibility zone as detailed in~~ In 2009, an update to the County's 1993 Airport Land Use Compatibility Plan (ALUCP) was completed for the County's public use airports (SJCOG, 2009). However, the 2009 ALUCP did not include the Stockton Metropolitan Airport as the airport is currently updating its Master Plan. Therefore, the project is currently subject to the policies and criteria within the 1993 ALUCP. The AIA for Stockton Metropolitan Airport is divided into subareas, with differing land use standards, conditions, and restrictions for each subarea. The project site is not located within any of the AIA subareas and the proposed land uses are consistent with the 1993 ALUCP Zones for the airport (SJCOG, 1993). Therefore, the project would not conflict with the ALUCP and the impact would be less than significant. ~~San Joaquin County's Aviation System Airport Land Use Compatibility Plan~~

[Response to Comment RL3-1]

Impact LAND USE-1 on p.4.1-16 has been edited as follows:

> **Impact LAND USE-1: Implementation of the proposed project would result in the permanent conversion of land designated by the Department of Conservation Farmland Mapping and Monitoring Program (FMMP) as Prime Farmland, Farmland of Statewide Importance or Unique Farmland. (Significant ~~and Unavoidable~~)**

The last two sentences of the last paragraph on p.4.1-16 have been edited as follows, including the addition of Mitigation Measure LAND-1:

> An ACE~~, however,~~ would not replace the agricultural land lost due to implementation of the project, however, an ACE would compensate for the loss of such land by preserving farmland in like quantity and quality. Thus, with implementation of Mitigation Measure LAND-1, the ~~project would result in a~~ loss of Important Farmland from the project ~~and the impact~~ would be **less than significant ~~and unavoidable~~**.

>> **Mitigation Measure LAND-1:** To mitigate the conversion of Important Farmland for the project, the project sponsor shall either dedicate or acquire a conservation easement which preserves farmland or pay in lieu fees for the acquisition of such an easement. A conservation easement is an encumbrance sometimes including a transfer of usage rights (easement) which creates a legally enforceable land preservation agreement between a landowner and a government agency (municipality, county, state, federal) or a qualified land protection organization (often called a "land trust"), for the purposes of conservation. It restricts real estate development, commercial and industrial uses, and certain other activities on the property. This mitigation strategy would ensure that the acquisition of the conservation easement land achieves

maximum benefits for the residents of San Joaquin County and other public or private land conservation programs. The number of acres of agricultural land subject to a conservation easement shall be equal to the number of acres of Important Farmland that would be changed to a non-agricultural use by the proposed project [a 1:1 ratio] and of equal or better quality as the Important Farmland converted by the project. Final approval of the proposed project shall be contingent upon the execution of the legal instrument to create a conservation easement as described herein or payment of an in-lieu fee to a government agency or qualified land protection organization/land trust, including SJCOG Inc. under the San Joaquin Multiple Species Conservation Program (SJMSCP), for the acquisition of such an easement within San Joaquin County. A conservation easement which preserves farmland may be combined with a conservation easement which also preserves habitat for biological resources, including under the SJMSCP, provided the easement preserves farmland of equal quantity and quality as the Important Farmland converted by the project.

Impact Significance after Mitigation: Less than Significant ~~and Unavoidable~~.

[Response to Comment FS3-1]

Impact LAND USE-2 on p.4.1-17 has been edited as follows:

Impact LAND USE-2: The project would contribute to the cumulative loss of Important Farmland in San Joaquin County (Significant ~~and Unavoidable~~)

The last sentence of the first paragraph on p.4.1-17 has been edited as follows:

This would contribute to cumulative farmland conversion in San Joaquin County.~~;~~ However, as noted above, an ACE would compensate for the loss of such land as a result of the project by preserving farmland in like quantity and quality. ~~therefore, the project,~~ Thus, when combined with other development within the County, the loss of agricultural land is a significant cumulative impact. The project, with implementation of Mitigation Measure LAND-1, would not result in a cumulatively considerable contribution to a significant cumulative impact to Important Farmland~~, which would be significant and unavoidable~~.

Impact Significance after Mitigation: Less than cumulatively considerable ~~Significant and Unavoidable~~.

[Response to Comment FS3-1]

The following reference is added on p.4.1-17:

San Joaquin Council of Governments (SJCOG), 1993. Airport Land Use Compatibility Plan.

[Response to Comment RL3-1]

The following text has been added to the end of the paragraphs describing I-5 and SR 99 under Roadway Network, on p.4.2-5:

Study area I-5 interchanges that currently meet STAA criteria at ramp terminals (STAA Terminal Access) include French Camp Road (northbound ramps only), Roth Road and Louise Avenue. The ramp terminals at Mathews Road, French Camp Road (southbound ramps only) and Lathrop Road do not meet STAA Terminal Access criteria. The Roth Road interchange is a Terminal Access route and is a designated STAA Service Route between I-5 and the UP Facility Driveway. Future improvements are programmed at both the Lathrop and French Camp interchanges that will allow all ramp terminals at these I-5 interchanges to meet STAA criteria.

The only SR 99 interchange in the study area that currently meets STAA criteria at ramp terminals (STAA Terminal Access) is Arch Road. Although the ramp terminal at Arch Road meets STAA Terminal Access criteria, this interchange is not signed as such prior to the ramp. Arch Road meets STAA criteria east of SR 99 to Austin Road and west of SR 99 to just west of Airport Way. The SR 99 interchanges at French Camp Road and Frontage Road/Lathrop Road currently do not meet STAA Terminal Access criteria. Contracts for improvements have been awarded at both the Lathrop and French Camp interchanges to allow all ramp terminals at these SR 99 interchanges to meet STAA criteria. Construction is scheduled to begin at the French Camp interchange shortly and at the Lathrop Road interchange by Spring 2013.

[Response to Comment FS1-5]

The following has been added as the third paragraph on p.4.2-6:

French Camp Road is an east-west two-lane undivided County roadway that extends northwest from its east at-grade terminus with SR 120, providing access to both SR 99 and I-5 and terminating at its intersection with Carolyn Weston Road 0.9 miles west of South Wolf Road. It is functionally classified as a Minor Arterial and has a posted speed limit ranging from 55 mph between SR 120 and SR 99 to 45 mph west of SR 99. Between SR 120 and I-5, French Camp Road is a designated CMP roadway. French Camp Road meets STAA Terminal Access criteria from I-5 northbound ramps to east of Airport Way. The ramp terminals at French Camp Road and SR 99 currently do not meet

STAA Terminal Access criteria, but, as noted above, improvements to enable these terminals to meet STAA criteria have been scheduled.

[Response to Comment FS1-10]

Table 4.2-1, on p.4.2-9, is revised as follows:

TABLE 4.2-1
EXISTING LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[a]

Intersection	Traffic Control[b]	Existing Conditions			
		AM Peak Hour		PM Peak Hour	
		Delay	LOS	Delay	LOS
1. Airport Way and French Camp Road	Signal	22.2	C	25.4	C
2. I-5 SB Ramps and Roth Road	SSSC	~~13.5~~ 15.2	~~B~~ C	~~13.4~~ 15.1	~~B~~ C
3. I-5 NB Ramp and Roth Road	SSSC	~~12.4~~ 12.5	B	11.6	B
4. Roth Road and Harlan Road	AWSC	~~11.5~~ 12.8	B	~~11.2~~ 12.4	B
5. Roth Road and Project Site Access	SSSC	12.3	B	13.1	B
6. Roth Road and Airport Way	Signal	9.4	A	12.9	B
7. Airport Way and Daisywood Drive	Signal	5.6	A	4.3	A
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**
9. I-5 NB Ramps and Lathrop Road	SSSC	19.0	C	**60.9**	**F**
10. Harlan Road and Lathrop Road	Signal	25.8	C	24.4	C
11. Lathrop Road and 5th Street	Signal	14.1	B	19.4	B
12. Lathrop Rd and McKinley Avenue	SSSC	16.8	C	17.7	C
13. Airport Way and Lathrop Road	Signal	27.7	C	22.6	C
14. Lathrop Road and Union Road	Signal	22.3	C	23.1	C
15. SR 99 SB Ramps and Lathrop Road	SSSC	11.5	B	22.0	C
16. Lathrop Road and Frontage Rd (west)	AWSC	13.0	B	**38.8**	**E**
17. SR 99 NB Ramps and Lathrop Road	SSSC	10.8	B	11.6	B
18. Lathrop Road and Frontage Rd (east)	AWSC	10.9	B	14.8	B
19. Airport Way and Hastings Drive	SSSC	10.6	B	10.9	B
20. Airport Way and Louise Avenue	Signal	19.7	B	33.6	C
21. SR 99 SB Ramps and French Camp Road	SSSC	24.2	C	32.2	D
22. SR 99 NB Ramps and French Camp Road	SSSC	18.3	C	16.4	C

[a] **Bold typeface** signifies that LOS exceeds threshold criteria and is therefore considered unacceptable.
[b] Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.

SOURCE: Dowling Associates, Inc., based on methodologies in the 2000 *Highway Capacity Manual*.

[Response to Comment FS1-14]

Table 4.2-4, on p.4.2-24, is revised as follows:

TABLE 4.2-4
EXISTING AND EXISTING PLUS PROJECT BUILDOUT LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[a]

Intersection	Traffic Control[b]	Existing Conditions				Existing Plus Project Buildout Conditions					Significant Impact?
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		Project-Added Delay Max (AM/PM)[c]	
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS		
1. Airport Way and French Camp Road	Signal	22.2	C	25.4	C	21.2	C	25.2	C	---	---
2. I-5 SB Ramps and Roth Road	SSSC	~~13.5~~ 15.2	~~B~~ C	~~13.4~~ 15.1	~~B~~ C	~~15.8~~ 19.0	C	17.2	C	---	---
3. I-5 NB Ramp and Roth Road	SSSC	~~12.4~~ 12.5	B	11.6	B	~~13.1~~ 13.3	B	12.6	B	---	---
4. Roth Road and Harlan Road	AWSC	~~11.5~~ 12.8	B	~~11.2~~ 12.4	B	13.4 15.4	~~B~~ C	~~14.0~~ 16.5	~~B~~ C	---	---
5. Roth Road and Project Site Access	SSSC/Signal[d]	12.3	B	13.1	B	8.1	A	12.2	B	---	---
6. Roth Road and Airport Way	Signal	9.4	A	12.9	B	10.4	B	11.9	B	---	---
7. Airport Way and Daisywood Drive	Signal	5.6	A	4.3	A	5.6	A	5.2	A	---	---
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	2.7 seconds	**Yes**
9. I-5 NB Ramps and Lathrop Road	SSSC	19.0	C	**60.9**	**F**	19.1	C	**61.0**	**F**	0.1 second	**Yes**
10. Harlan Road and Lathrop Road	Signal	25.8	C	24.4	C	25.8	C	24.4	C	---	---
11. Lathrop Road and 5th Street	Signal	14.1	B	19.4	B	14.1	B	19.4	B	---	---
12. Lathrop Rd and McKinley Avenue	SSSC	16.8	C	17.7	C	16.8	C	17.7	C	---	---
13. Airport Way and Lathrop Road	Signal	27.7	C	22.6	C	28.0	C	22.6	C	---	---
14. Lathrop Road and Union Road	Signal	22.3	C	23.1	C	22.2	C	23.0	C	---	---
15. SR 99 SB Ramps and Lathrop Road	SSSC	11.5	B	22.0	C	11.5	B	22.1	C	---	---
16. Lathrop Road and Frontage Rd (west)[e]	AWSC	13.0	B	**38.8**	**E**	13.1	B	**39.5**	**E**	0.7 second	No
17. SR 99 NB Ramps and Lathrop Road	SSSC	10.8	B	11.6	B	10.8	B	11.6	B	---	---
18. Lathrop Road and Frontage Rd (east)[e]	AWSC	10.9	B	14.8	B	~~10.0~~ 10.9	B	14.8	~~C~~ B	---	---
19. Airport Way and Hastings Drive	SSSC	10.6	B	10.9	B	10.7	B	10.9	B	---	---
20. Airport Way and Louise Avenue	Signal	19.7	B	33.6	C	19.9	B	33.8	C	---	---
21. SR 99 SB Ramps / French Camp Rd	SSSC	24.2	C	32.2	D	27.6	D	**39.7**	**E**	---	**Yes**
22. SR 99 NB Ramps / French Camp Rd	SSSC	18.3	C	16.4	C	19.4	C	17.3	C	---	---

a **Bold typeface** signifies that LOS exceeds threshold criteria and therefore considered unacceptable. Shading signifies a significant impact.
b Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.
c For intersections with unacceptable LOS without the project, the maximum project-generated increase in delay is shown.
d This intersection would be signalized by the proposed project.
e This intersection will not exist in the future due to the programmed reconstruction of the Lathrop/SR-99 Interchange.

SOURCE: Dowling Associates, Inc., 2011, based on methodologies in the 2000 *Highway Capacity Manual*.

[Response to Comment FS1-14]

Table 4.2-5, on p.4.2-33, is revised as follows:

TABLE 4.2-5
YEAR 2013 NO PROJECT AND YEAR 2013 PLUS PROJECT PHASE I LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[a]

Intersection	Traffic Control[b]	2013 No Project Conditions				2013 Plus Project Phase I Conditions					Significant Impact?
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		Project-Added Delay Max (AM/PM)[c]	
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS		
1. Airport Way and French Camp Road	Signal	22.6	C	29.5	C	23.0	C	30.6	C	---	---
2. I-5 SB Ramps and Roth Road	SSSC	~~14.5~~ 16.4	~~B~~ C	~~15.4~~ 17.9	C	~~15.3~~ 17.6	C	~~16.7~~ 19.9	C	---	---
3. I-5 NB Ramp and Roth Road	SSSC	~~12.5~~ 12.6	B	~~14.4~~ 14.5	B	~~12.6~~ 12.8	B	~~14.8~~ 15.1	~~B~~ C	---	---
4. Roth Road and Harlan Road	AWSC	~~13.2~~ 15.3	~~B~~ C	~~13.3~~ 15.4	~~B~~ C	~~14.0~~ 16.4	~~B~~ C	~~14.5~~ 17.2	~~B~~ C	---	---
5. Roth Road and Project Site Access	SSSC/Signal[d]	12.7	B	14.8	B	32.1	C	43.4	D	---	---
6. Roth Road and Airport Way	Signal	10.2	B	12.4	B	10.5	B	13.2	B	---	---
7. Airport Way and Daisywood Drive	Signal	14.1	B	26.0	C	14.2	B	26.2	C	---	---
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	No Change	No
9. I-5 NB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	No Change	No
10. Harlan Road and Lathrop Road	Signal	31.0	C	24.1	C	31.3	C	24.1	C	---	---
11. Lathrop Road and 5th Street	Signal	15.1	B	15.3	B	15.1	B	14.7	B	---	---
12. Lathrop Rd and McKinley Avenue	SSSC	8.5	A	5.8	A	8.5	A	5.8	A	---	---
13. Airport Way and Lathrop Road	Signal	24.5	C	28.8	C	25.6	C	28.9	C	---	---
14. Lathrop Road and Union Road	Signal	22.8	C	25.1	C	23.0	C	25.1	C	---	---
15. SR 99 SB Ramps and Lathrop Road	SSSC	16.1	B	13.2	B	16.1	B	13.2	B	---	---
16. Lathrop Road and Frontage Rd (west)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
17. SR 99 NB Ramps and Lathrop Road	SSSC	8.0	A	9.7	A	8.0	A	9.7	A	---	---
18. Lathrop Road and Frontage Rd (east)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
19. Airport Way and Hastings Drive	SSSC	11.3	B	11.6	B	11.4	B	11.6	B	---	---
20. Airport Way and Louise Avenue	Signal	22.9	C	35.3	D	22.9	C	35.3	D	---	---
21. SR 99 SB Ramps / French Camp Rd	SSSC	28.1	D	**~~41.4~~ 44.9**	**E**	32.0	D	**50.6**	**F**	~~9.2~~ 5.7 seconds	No[f]
22. SR 99 NB Ramps / French Camp Rd	SSSC	19.4	C	17.2	C	20.9	C	18.2	C	---	---

a **Bold typeface** signifies that LOS exceeds threshold criteria and therefore considered unacceptable. Shading signifies a significant impact.
b Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.
c For intersections with unacceptable LOS without the project, the maximum project-generated increase in delay is shown.
d This intersection would be signalized by the proposed project.
e This intersection will not exist in the future due to the programmed reconstruction of the Lathrop/SR-99 Interchange.
f Peak Hour Signal Warrants would not be met at this intersection, and per the significance criteria, the impact would be less than significant.

SOURCE: Dowling Associates, Inc., based on methodologies in the 2000 *Highway Capacity Manual*.

[Response to Comment FS1-14]

Table 4.2-6, on p.4.2-41, is revised as follows:

TABLE 4.2-6
YEAR 2021 NO PROJECT AND YEAR 2021 PLUS PROJECT BUILDOUT LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[a]

Intersection	Traffic Control[b]	2021 No Project Conditions				2021 Plus Project Buildout Conditions					Significant Impact?
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		Project-Added Delay Max (AM/PM)[c]	
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS		
1. Airport Way and French Camp Rd	Signal	28.4	C	36.7	D	27.5	C	35.1	D	---	---
2. I-5 SB Ramps and Roth Road	SSSC	~~25.3~~ 34.5	D	**~~77.1~~ 148.7**	**F**	**~~36.9~~ 64.3**	**~~E~~ F**	**>200**	**F**	> 0.1 seconds	**Yes**
3. I-5 NB Ramp and Roth Road	SSSC	~~15.6~~ 15.9	C	**~~47.6~~ 49.0**	**E**	~~16.6~~ 16.9	C	**~~61.6~~ 64.1**	**F**	~~14.0~~ 15.1 sec	**Yes**
4. Roth Road and Harlan Road	AWSC	~~33.5~~ 48.2	~~D~~ E	**~~42.7~~ 62.0**	**~~E~~ F**	**~~54.0~~ 77.6**	**F**	**~~85.3~~ 115.3**	**F**	~~42.6~~ 53.3 sec	**Yes**
5. Roth Road and Project Site Access	SSSC/Signal[d]	17.3	C	24.1	C	19.1	B	20.0	B	---	---
6. Roth Road and Airport Way	Signal	11.8	B	~~18.6~~ 17.2	B	12.6	B	18.2	B	---	---
7. Airport Way and Daisywood Drive	Signal	23.0	C	~~31.6~~ 30.8	C	22.9	C	31.4	C	---	---
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
9. I-5 NB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
10. Harlan Road and Lathrop Road	Signal	**106.2**	**F**	44.4	D	**106.4**	**F**	44.4	D	0.2 second	No[f]
11. Lathrop Road and 5th Street	Signal	15.0	B	15.4	B	14.1	B	15.4	B	---	---
12. Lathrop Rd and McKinley Avenue	SSSC	10.6	B	7.5	A	10.6	B	7.5	A	---	---
13. Airport Way and Lathrop Road	Signal	**56.3**	**E**	**71.0**	**E**	**57.0**	**E**	**71.8**	**E**	0.8 second	No[f]
14. Lathrop Road and Union Road	Signal	28.1	C	29.6	D	28.1	C	29.6	C	---	---
15. SR 99 SB Ramps and Lathrop Road	SSSC	12.9	B	15.7	B	12.9	B	15.7	B	---	---
16. Lathrop Rd and Frontage Rd (west)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
17. SR 99 NB Ramps and Lathrop Road	SSSC	11.0	B	10.2	B	11.0	B	10.2	B	---	---
18. Lathrop Rd and Frontage Rd (east)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
19. Airport Way and Hastings Drive	SSSC	15.2	C	15.3	C	15.2	C	15.3	C	---	---
20. Airport Way and Louise Avenue	Signal	36.7	D	**88.3**	**F**	36.9	D	**88.6**	**F**	0.3 second	No[f]
21. SR 99 SB Ramps & French Camp Rd	SSSC	**74.3**	**F**	**192.8**	**F**	**100.3**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
22. SR 99 NB Ramps & French Camp Rd	SSSC	24.9	C	22.7	C	26.9	D	24.3	D	---	---

a **Bold typeface** signifies that LOS exceeds threshold criteria and therefore considered unacceptable. Shading signifies a significant impact.
b Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.
c For intersections with unacceptable LOS without the project, the maximum project-generated increase in delay is shown.
d This intersection would be signalized by the proposed project.
e This intersection will not exist in the future due to the programmed reconstruction of the Lathrop/SR-99 Interchange.
f Project-added delay is less than significance criteria.

SOURCE: Dowling Associates, Inc., based on methodologies in the 2000 *Highway Capacity Manual*.

[Response to Comment FS1-14]

Mitigation Measure TRANS-8 on p.4.2-46 is revised as follows:

> **Mitigation Measure TRANS-8:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Roth Road and I-5 Southbound Ramps by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 6.1% of such improvement multiplied by the estimated cost of such improvement~~, which improvement is programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications~~. Construction of this improvement would improve the intersection LOS to an acceptable LOS C or better.

[Response to Comment RL2-3]

Mitigation Measure TRANS-9 on p.4.2-47 is revised as follows:

> **Mitigation Measure TRANS-9:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Roth Road and I-5 Northbound Ramp by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 9.8% of such improvement multiplied by the estimated cost of such improvement~~, which improvement is programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications~~. Construction of this improvement would improve the intersection LOS to an acceptable LOS B or better.

[Response to Comment RL2-3]

Mitigation Measure TRANS-10 on p.4.2-47 is revised as follows:

> **Mitigation Measure TRANS-10:** Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of the following improvements by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 12.2% of such improvements multiplied by the estimated cost of such improvements: ~~the applicable fees for the project under the RTIF program if such improvements are included within the program at the time of building permit applications, or alternatively, if such improvements are not included under the RTIF program at the time of building permit applications, by paying fees to San Joaquin County for the following improvements, based upon the project's equitable fair share of such improvements, if an alternative fee collection program exists at the time of building permit applications which has been established by the County and/or the City of Lathrop and which the County, as Lead Agency, determines is part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue:~~ (i) installation of a traffic signal at the intersection of Roth Road and Harlan Road, with protective left-turn

signal phasing for Harlan Road approaches, (ii) conversion of the northbound Harlan Road approach from the existing shared left-turn/through lane and separate right-turn lane to a separate left-turn lane and shared through/right-turn lane, and (iii) conversion of westbound and southbound approaches from shared left-turn/through/right-turn lane to separate left-turn lane and a shared through/right turn lane. Construction of the above improvements would improve intersection LOS to an acceptable LOS C.

[Response to Comment RL2-3]

Table 4.2-7, on p.4.2-52, is revised as shown on the following page.

Mitigation Measure TRANS-15 on p.4.2-57 is revised as follows:

Mitigation Measure TRANS-15: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-8 ~~(contribute fair share of the cost of installation of a traffic signal at the intersection of Roth Road and I-5 Southbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program),~~ and shall contribute its fair share of the cost of installing the following additional improvements by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 6.1% of such improvements multiplied by the estimated cost of such improvements: (i) conversion of the southbound approach from left and shared left-turn/through/right-turn lane to separate left and a shared right-turn/through lane, and (ii) construct an additional left-turn lane on the westbound approach, which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve intersection LOS to an acceptable LOS C or better.

[Response to Comment RL2-3]

Mitigation Measure TRANS-16 on p.4.2-58 is revised as follows:

Mitigation Measure TRANS-16: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-9 ~~(contribute fair share of the cost of installation of a traffic signal at the intersection of Roth Road and I-5 Northbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program), by paying the applicable fees for the project under the RTIF program at the time of building permit applications~~. Construction of the~~is~~ improvements described in Mitigation Measure TRANS-9 would improve intersection LOS to an acceptable LOS C.

[Response to Comment RL2-3]

TABLE 4.2-7
YEAR 2035 NO PROJECT AND YEAR 2035 PLUS PROJECT BUILDOUT LEVEL OF SERVICE (LOS) AND DELAY (SECONDS PER VEHICLE)[a]

Intersection	Traffic Control[b]	2035 No Project Conditions				2035 Plus Project Buildout Conditions					Significant Impact?
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		Project-Added Delay Max (AM/PM)[c]	
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS		
1. Airport Way and French Camp Road	Signal	41.2	D	**70.4**	**E**	41.3	D	**81.1**	**F**	10.7 seconds	**Yes**
2. I-5 SB Ramps and Roth Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
3. I-5 NB Ramp and Roth Road	SSSC	**~~41.6~~ 34.8**	**~~E~~ D**	**>200**	**F**	**~~38.3~~ 40.0**	**E**	**>200**	**F**	> 0.1 seconds	**Yes**
4. Roth Road and Harlan Road	AWSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 3.0 seconds	**Yes**
5. Roth Road and Project Site Access	SSSC/Signal[d]	**36.9**	**E**	**108.7**	**F**	18.2	B	28.1	C	---	---
6. Roth Road and Airport Way	Signal	17.3	B	51.7	D	18.4	B	52.0	D	---	---
7. Airport Way and Daisywood Drive	Signal	51.5	D	**175.6**	**F**	**56.7**	**E**	**176.1**	**F**	---	**Yes**
8. I-5 SB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
9. I-5 NB Ramps and Lathrop Road	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
10. Harlan Road and Lathrop Road	Signal	**>200**	**F**	**140.4**	**F**	**>200**	**F**	**140.4**	**F**	No Change	No[f]
11. Lathrop Road and 5th Street	Signal	22.9	C	22.6	C	22.9	C	22.6	C	---	---
12. Lathrop Rd and McKinley Avenue	SSSC	21.8	C	13.5	B	21.8	C	13.5	B	---	---
13. Airport Way and Lathrop Road	Signal	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 3.0 seconds	**Yes**
14. Lathrop Road and Union Road	Signal	**108.1**	**F**	**61.0**	**E**	**107.7**	**F**	**61.4**	**E**	0.7 second	No[f]
15. SR 99 SB Ramps and Lathrop Road	SSSC	17.6	B	22.0	C	17.6	B	22.1	C	---	---
16. Lathrop Road and Frontage Rd (west)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
17. SR 99 NB Ramps and Lathrop Road	SSSC	18.2	B	10.6	B	18.2	B	10.6	B	---	---
18. Lathrop Road and Frontage Rd (east)[e]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	---	---
19. Airport Way and Hastings Drive	SSSC	**57.0**	**F**	**36.7**	**E**	**57.4**	**F**	**36.9**	**E**	0.9 second	No[f]
20. Airport Way and Louise Avenue	Signal	**126.6**	**F**	**>200**	**F**	**127.3**	**F**	**>200**	**F**	< 3.0 seconds	No[f]
21. SR 99 SB Ramps & French Camp Rd	SSSC	**>200**	**F**	**>200**	**F**	**>200**	**F**	**>200**	**F**	> 0.1 seconds	**Yes**
22. SR 99 NB Ramps & French Camp Rd	SSSC	**40.5**	**E**	**47.5**	**E**	**45.3**	**E**	**54.1**	**F**	8.8 seconds	**Yes**

a **Bold typeface** signifies that LOS exceeds threshold criteria and therefore considered unacceptable. Shading signifies a significant impact.
b Signal = Traffic Signal; SSSC = Side Street Stop Control; AWSC = All-Way Stop Control.
c For intersections with unacceptable LOS without the project, the maximum project-generated increase in delay is shown.
d This intersection would be signalized by the proposed project.
e This intersection will not exist in the future due to the programmed reconstruction of the Lathrop/SR-99 Interchange.
f Project-added delay is less than significance criteria.

SOURCE: Dowling Associates, Inc., based on methodologies in the 2000 *Highway Capacity Manual*.

[Response to Comment FS1-14]

Mitigation Measure TRANS-17 on p.4.2-58 is revised as follows:

Mitigation Measure TRANS-17: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-10 ~~(contribute fair share of the cost of the improvements described therein if such improvements are part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue) by paying the applicable fees for the project under the RTIF program if such improvements are included within the program at the time of building permit applications, or alternatively, if such improvements are not included under the RTIF program at the time of building permit applications, by paying fees to San Joaquin County for such improvements, based upon the project's equitable fair share of such improvements, if an alternative fee collection program exists at the time of building permit applications which has been established by the County and/or the City of Lathrop and which the County, as Lead Agency, determines is part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue~~. Construction of the improvements described in Mitigation Measure TRANS-10 would improve intersection LOS to an acceptable LOS C.

[Response to Comment RL2-3]

The second sentence of the TRANS-18 and TRANS-21 impact statements (pages 4.2-59 and 4.2-61, respectively) has been revised as follows:

Given that this <u>City of Manteca</u> facility is designated as part of San Joaquin County's Regional Congestion CMP, this impact is also identified as a CMP impact.

[Response to Comment RL1-6]

The last paragraph on p.4.3-28 is revised as follows:

The emission calculations in this analysis assume that a drayage truck would travel an average of ~~42.6~~ <u>126.1</u> miles from its origin to the Lathrop intermodal yard and that a second drayage truck would travel an additional ~~42.6~~ <u>126.1</u> miles from the destination intermodal rail yard to the container's ultimate destination. This distance is the average round trip distance for a heavy-duty truck traveling in the SJVAB, as calculated from EMFAC for the baseline year. The total rail miles traveled in between the two intermodal yards was assumed to be 750 miles, the typical breakeven point for rail versus truck transport (Cal EPA, 2007). Therefore, a typical intermodal container is estimated to travel ~~835~~ <u>1,002</u> miles: ~~10.2~~ <u>25.1</u> percent via drayage trucks and ~~89.8~~ <u>74.9</u> percent via rail.

[Response to Comment FS2-1]

The second and third equations on p.4.3-29 are revised as follows:

$$\text{Project EF} = \frac{\left(\cancel{89.8\%}\ \underline{74.9\%} \times 325\,\frac{\text{BTUs}}{\text{ton-mile}}\right) + \left(\cancel{10.2\%}\ \underline{25.1\%} \times 2{,}801\,\frac{\text{BTUs}}{\text{ton-mile}}\right)}{100\%} = \cancel{578} = \underline{946}\ \frac{\text{BTUs}}{\text{ton-mile}}$$

$$\text{Project \% GHG Reductions} = \frac{\left(1{,}652\,\frac{\text{BTUs}}{\text{ton-mile}}\right) - \left(\cancel{578}\ \underline{946}\ \frac{\text{BTUs}}{\text{ton-mile}}\right)}{1{,}652\ \frac{\text{BTUs}}{\text{ton-mile}}} \times 100\% = \cancel{65\%}\ \underline{43\%}$$

[Response to Comment FS2-1]

The first sentence of the paragraph following the equations on p.4.3-29 is revised as follows:

> The above calculation shows that the project GHG emissions would be ~~65~~ <u>43</u> percent lower than the baseline emissions, and thus would exceed the SJVAPCD GHG reduction target of 29 percent, which is equivalent to implementing BPS.

[Response to Comment FS2-1]

Table 4.3-6, on p.4.3-30, is revised as shown on the following page.

Impact AIR-2 on p.4.3-35 has been revised as follows:

> **Impact AIR-2: Air quality thresholds for VOC and NOx would be exceeded during project operations. (Significant ~~and Unavoidable~~)**

[Response to Comment FS2-1]

TABLE 4.3-6
GLOBAL AND CALIFORNIA ANNUAL GREENHOUSE GAS (GHG) EMISSION RATES

Units	Greenhouse Gas Emissions			
	CO_2	CH_4	N_2O	CO_2e
Global (million metric tons CO_2e per year)[a]	27,568.6	6,407.5	3,285.6	37,809.7
California (million metric tons CO_2e per year)[b]	416.29	28.51	13.31	473.76
Project (million metric tons CO_2e per year)	~~0.058~~ <u>0.015</u>	0.00	0.00	~~0.058~~ <u>0.015</u>
Project (metric tons CO_2e per year)	~~58,000~~ <u>15,000</u>	0	0	~~58,000~~ <u>15,000</u>
Project Fraction of California	~~0.00014~~ <u>0.00004</u>	~0	~0	~~0.00012~~ <u>0.00004</u>
Project Fraction of Global	~~0.0000021~~ <u>0.0000005</u>	~0	~0	~~0.0000015~~ <u>0.0000004</u>

NOTES:
CO_2 = Carbon dioxide; CH_4 = Methane
N_2O = Nitrous oxide; CO_2e = Carbon dioxide equivalent

[a] From Climate Analysis Indicators Tool (CAIT) Version 8.0 (Washington, DC: World Resources Institute, 2011), 2005 global totals (most recent available for all GHGs), excluding land use change & forestry and international bunkers. Available at http://cait.wri.org/, accessed January 29, 2011.
[b] California emissions are from CARB's GHG Inventory Data – 2000-2008, 2008 California totals (most recent available), not including "excluded emissions" and "CO_2 from biogenic sources." Available at http://www.arb.ca.gov/cc/inventory/data/data.htm, accessed January 29, 2011.

SOURCE: Sierra Research, 2011

[Response to Comment FS2-1]

The last sentence of the second paragraph and the third and fourth paragraphs on p.4.3-38 are revised as follows:

> ~~The average drayage truck one-way trip distance was determined by dividing the total heavy heavy-duty truck vehicle miles traveled (VMT) by the number of trips, as reported by EMFAC, in the same manner as was done for calculating project GHG emissions.~~
>
> ~~EMFAC's estimation of the total VMT by heavy-duty trucks in the SJVAB is based on data obtained from Department of Motor Vehicles, regional governments, and other sources. EMFAC's estimate of the number of trips made by heavy-duty trucks is based on several studies which collected data on truck operating patterns such as the number and timing of truck starts/stops, time of day operation, and odometer data. These data represent EMFAC's prediction of the average truck trip length in the SJVAB. It is understood that the average truck trip length for any particular facility may be either longer or shorter, or may vary over time.~~

To determine the trip distance, the trip length between the rail yard and customers' origin and destination cities was calculated using a common trip-planning website.[1] The customer origin/destination cities were provided by the applicant, and were contained in Appendix F, Transportation Data, of the DEIR on page F-938. The distances to/from the 100 most frequent origin/destination cities were calculated, representing approximately 97% and 98% of the origin and destination cities, respectively. The remaining 2–3% of city distances was extrapolated from these data.

Two distances were calculated. The first distance was the VMT within the SJVAPCD, which is used for determining mass emissions of criteria pollutants for comparison against the SJVAPCD thresholds of significance. The second distance was the in-state VMT, which was used to report the project's California emissions of GHGs. These calculations show that the average round-trip VMT per drayage truck trip is 62.8 miles (in-basin) and 126.1 miles (in-state). This distance calculation is included in Air Quality Technical Memo included in Appendix A.

Emissions. Emission factors for drayage trucks were derived from the data contained in EMFAC ~~for the SJVAB~~, corrected for the effects of CARB's Rule for In-Use On-Road Diesel-Fueled Heavy-Duty Drayage Trucks (Drayage Truck Rule) [17 CCR §2027] and CARB's Regulation to Reduce Emissions of Particulate Matter, Oxides of Nitrogen, and Criteria Pollutants from In-Use On-Road Diesel-Fueled Vehicles (On-Road Rule) [17 CCR §2025]. EMFAC's model year distribution was adjusted as described in the Air Quality Technical Memo included in Appendix A.

[Response to Comment FS2-1]

The first paragraph on p.4.3-39 is revised as follows:

Phase 2 applies to all drayage trucks with a GVWR of 26,000 pounds and greater and requires a VDECS on all MY vehicles by December 31, 2013. Phase 2 also requires that after December 31, 2013, all drayage trucks must meet 2007 MY emission standards. It is further noted that on ~~January 31, 2016~~ January 1, 2023, the requirements of the Drayage Truck Rule sunset, with drayage trucks becoming subject to the ~~Regulation to Reduce Emissions of Diesel Particulate Matter, Oxides of Nitrogen and Other Criteria Pollutants from In-Use On-Road Diesel-Fueled Vehicles (On-Road Rule [13 CCR §2025])~~ On-Road Rule. The On-Road Rule requires that all heavy-duty diesel trucks be equipped with 2010 MY equivalent engines ~~in the 2020–2023 timeframe~~ by January 1, 2023.

[Response to Comment FS2-1]

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1 URL: www.mapquest.com

The following sentence is added to the end of the paragraph under "Road Dust" on page 4.3-41

> The average drayage truck weight was assumed to be 36.1 tons, which is a very conservative assumption since the SJVAPCD uses a default vehicle weight of 2.4 tons for road dust calculations, even for projects known to include heavier than average vehicles.

[Response to Comment FS2-1]

Tables 4.3-8, 4.3-9, 4.3-10, 4.3-11, and 4.3-12 on pages 4.3-43 through 4.3-47 are modified as shown on the following pages.

The first two sentences on p.4.3-48 have been revised as follows:

> Tables 4.3-9 through 4.3-12 show~~s~~ that the net emissions attributable to the project would not exceed the SJVAPCD threshold of significance. ~~Table 4.3-10 shows that the net emissions attributable to the project would exceed the SJVAPCD threshold of significance for VOC and NOx in 2021. However, in 2035, the net emissions attributable to the project would decrease compared to 2021 emission rates, to levels below the SJVAPCD significance thresholds (see Table 4.3-11). The SJVAPCD PM10 significance threshold would not be exceeded in any project operational year."~~

[Response to Comment FS2-1]

The first paragraph on p.4.3-49 has been revised as follows:

> ~~"By 2035, t~~ The mitigating effects of these measures would result in project emissions below the SJVAPCD significance thresholds for criteria pollutants, despite the projected activity growth. Because these measures are regulatory requirements, they do not constitute mitigation as defined by CEQA. Rather, they are mitigating project features and are enforceable, mainly by CARB, through the record keeping, reporting, labeling, and notification requirements inherent in each regulation.~~Because these measures cannot maintain project ozone precursor~~ NOx ~~emissions (VOC and NOx) below the thresholds of significance in 2013 and 2021, the project is considered to result in a significant and unavoidable impact in these analysis years only.~~ Despite the fact that the project's criteria pollutant impacts are less than significant, the following potentially applicable mitigation measures were reviewed.

[Response to Comment FS2-1]

TABLE 4.3-8
OPERATIONAL EMISSIONS – BASELINE (2010)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	1.03	4.05	13.21	0.44	0.40	0.11	653	0.03	0.01	655
Line Haul – Regional	1.10	4.32	14.07	0.47	0.43	0.12	9,520	0.39	0.08	9,552
Switcher – Onsite	0.32	0.87	4.59	0.12	0.10	0.01	186	0.01	0.00	187
Drayage Trucks	~~14.15~~ 10.07	~~76.20~~ 46.74	~~206.18~~ 197.60	~~9.72~~ 10.04	~~8.18~~ 8.30	~~0.39~~ 0.30	~~39,607~~ 56,470	~~0.76~~ 2.52	~~0.39~~ 0.50	~~39,778~~ 57,041
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	1	0.00	0.00	1
Direct-to-Locomotive (DTL) Fueling	0.32	1.47	4.13	0.16	0.14	0.01	353	0.01	0.00	353
Cargo Handling Equipment	0.48	6.50	13.44	0.55	0.50	0.28	31,607	1.28	0.26	31,713
Transport Refrigeration Units[a]	1.64	3.88	3.63	0.41	0.37	0.04	533	0.02	0.00	642
Storage Tanks	~~0.00~~ 0.12	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~9.49~~ 7.87	~~2.37~~ 1.97	-	-	-	-	-
Emergency Generators[b]	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Employee Vehicles[c]	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Architectural Coatings[c]	0.00	-	-	-	-	-	-	-	-	-
Landscaping[c]	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
2010 Total	~~19.04~~ 15.07	~~97.30~~ 67.85	~~259.25~~ 250.67	~~21.37~~ 20.07	~~12.49~~ 12.20	~~0.95~~ 0.86	~~82,459~~ 99,322	~~2.49~~ 4.26	~~0.73~~ 0.85	~~82,881~~ 100,144

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
SO_x = Sulfur oxides
CO = Carbon monoxide
CO_2 = Carbon dioxide
NO_x = Oxides of nitrogen
CH_4 = Methane
PM_{10} = Respirable particulate matter
N_2O = Nitrous oxide
$PM_{2.5}$ = Fine particulate matter
CO_2e = Carbon dioxide equivalent
ROG = reactive organic gases

a Includes greenhouse gas (GHG) emissions in the form of refrigerant loss.
b This emission source is not currently present and therefore not included in the baseline.
c These emission sources are currently present but represent a small contribution to baseline emissions. Therefore, they were assumed to be zero for the baseline case, with all facility emissions (baseline plus project) being attributed to the project, as shown in Tables 4.3-9 through 4.3-11.

SOURCE: Sierra Research, 2011

TABLE 4.3-9
OPERATIONAL EMISSIONS – PROJECT PHASE 1 (2013)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	1.57	6.55	20.34	0.63	0.57	0.01	930	0.04	0.01	933
Line Haul – Regional	1.60	6.71	20.83	0.65	0.58	0.01	9,520	0.39	0.08	9,552
Switcher – Onsite	0.47	1.29	6.80	0.17	0.15	0.01	276	0.01	0.00	277
Drayage Trucks	~~16.89~~ 10.37	~~93.99~~ 49.41	~~216.25~~ 193.07	~~7.68~~ 4.78	~~8.40~~ 3.01	~~0.59~~ 0.44	~~60,618~~ 84,771	~~0.90~~ 3.79	~~0.59~~ 0.76	~~60,821~~ 85,627
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	5	0.00	0.00	5
Direct-to-Locomotive (DTL) Fueling	0.40	1.87	4.96	0.19	0.16	0.01	538	0.01	0.00	538
Cargo Handling Equipment	1.17	30.88	2.50	0.13	0.11	0.47	16,392	0.66	0.13	16,448
Transport Refrigeration Units[a]	~~2.44~~ 0.00	~~5.75~~ 0.00	~~5.37~~ 0.00	~~0.10~~ 0.00	~~0.09~~ 0.00	~~0.06~~ 0.00	~~789~~ 0	~~0.03~~ 0.00	~~0.01~~ 0.00	~~951~~ 0
Storage Tanks	0.13	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~14.57~~ 11.66	~~3.64~~ 2.92	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
2013 Total	~~25.35~~ 16.39	~~150.86~~ 100.53	~~277.86~~ 249.31	~~24.38~~ 18.48	~~13.79~~ 7.58	~~1.14~~ 0.94	~~89,407~~ 112,770	~~2.05~~ 4.92	~~0.82~~ 0.98	~~89,863~~ 113,719
2013 Total Less Baseline	**~~6.31~~ 1.32**	**~~53.56~~ 32.68**	**~~18.61~~ -1.37**	**~~3.01~~ -1.59**	**~~1.30~~ -4.62**	**~~0.19~~ 0.08**	**~~6,948~~ 13,448**	**~~-0.44~~ 0.66**	**~~0.09~~ 0.13**	**~~6,982~~ 13,575**
SJVAPCD Significance Threshold	**10**	**-**	**10**	**15**	**-**	**-**	**-**	**-**	**-**	**-**
Significant Impact?	**No**	**-**	**~~Yes~~ No**	**No**	**-**	**-**	**-**	**-**	**-**	**-**

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
SO_x = Sulfur oxides
CO = Carbon monoxide
CO_2 = Carbon dioxide
NO_x = Oxides of nitrogen
CH_4 = Methane
PM_{10} = Respirable particulate matter
N_2O = Nitrous oxide
$PM_{2.5}$ = Fine particulate matter
CO_2e = Carbon dioxide equivalent
~~ROG = reactive organic gases~~

[a] Includes greenhouse gases (GHG) emissions in the form of refrigerant loss.

SOURCE: Sierra Research, 2011

TABLE 4.3-10
OPERATIONAL EMISSIONS – PROJECT PHASE 2 (2021)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	0.94	7.44	15.62	0.41	0.37	0.01	605	0.02	0.00	607
Line Haul – Regional	0.96	7.62	15.99	0.42	0.38	0.01	8,484	0.34	0.07	8,513
Switcher – Onsite	0.47	1.29	5.73	0.06	0.06	0.00	276	0.01	0.00	277
Drayage Trucks	~~21.05~~ 18.36	~~126.05~~ 86.78	~~235.36~~ 192.00	~~8.42~~ 8.93	~~5.62~~ 5.70	~~1.01~~ 0.79	~~107,551~~ 82,487	~~1.15~~ 3.69	~~1.05~~ 0.74	~~107,810~~ 83,320
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	3	0.00	0.00	3
Direct-to-Locomotive (DTL) Fueling	0.22	1.35	2.75	0.10	0.08	0.01	599	0.01	0.00	600
Cargo Handling Equipment	2.09	55.29	4.48	0.22	0.20	0.83	21,410	0.87	0.17	21,482
Transport Refrigeration Units[a]	~~4.45~~ 0.00	~~10.49~~ 0.00	~~9.81~~ 0.00	~~0.03~~ 0.00	~~0.03~~ 0.00	~~0.11~~ 0.00	~~1,441~~ 0	~~0.06~~ 0.00	~~0.01~~ 0.00	~~1,736~~ 0
Storage Tanks	0.15	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~25.71~~ 21.18	~~6.43~~ 5.30	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
2021 Total	~~31.01~~ 23.88	~~213.34~~ 163.59	~~290.54~~ 237.38	~~35.64~~ 31.60	~~13.23~~ 13.20	~~1.97~~ 1.64	~~140,707~~ 114,202	~~2.47~~ 4.96	~~1.31~~ 0.99	~~141.366~~ 115,140
2021 Total Less Baseline	**~~11.98~~ 8.81**	**~~116.04~~ 95.74**	**~~31.29~~ -13.29**	**~~14.27~~ 11.53**	**~~0.74~~ -0.05**	**~~1.02~~ 0.78**	**~~58,248~~ 14,880**	**~~-0.02~~ 0.70**	**~~0.58~~ 0.14**	**~~58,484~~ 14,996**
SJVAPCD Significance Threshold	**10**	**-**	**10**	**15**	**-**	**-**	**-**	**-**	**-**	**-**
Significant Impact?	**~~Yes~~ No**	**-**	**~~Yes~~ No**	**No**	**-**	**-**	**-**	**-**	**-**	**-**

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
CO = Carbon monoxide
CH_4 = Methane
$PM_{2.5}$ = Fine particulate matter
SO_x = Sulfur oxides
CO_2 = Carbon dioxide
PM_{10} = Respirable particulate matter
CO_2e = Carbon dioxide equivalent
NO_x = Oxides of nitrogen
N_2O = Nitrous oxide
~~ROG = reactive organic gases~~

[a] Includes greenhouse gas (GHG) emissions in the form of refrigerant loss.

SOURCE: Sierra Research, 2011

TABLE 4.3-11
OPERATIONAL EMISSIONS – PROJECT PHASE 2 (2035)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	0.82	16.96	14.20	0.37	0.34	0.01	550	0.02	0.00	552
Line Haul – Regional	0.84	17.36	14.54	0.38	0.35	0.01	7,713	0.31	0.06	7,739
Switcher – Onsite	0.86	2.36	10.46	0.11	0.10	0.11	504	0.02	0.00	505
Drayage Trucks	~~17.97~~ 14.60	~~110.81~~ 70.32	~~202.99~~ 138.83	~~7.19~~ 8.93	~~4.83~~ 5.69	~~0.88~~ 0.78	~~90,812~~ 82,223	~~0.99~~ 3.68	~~0.88~~ 0.74	~~91,036~~ 83,053
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	2	0.00	0.00	3
Direct-to-Locomotive (DTL) Fueling	0.27	2.29	3.20	0.12	0.08	0.01	1,091	0.01	0.00	1,092
Cargo Handling Equipment	2.00	52.91	4.29	0.21	0.19	0.80	20,924	0.85	0.17	20,994
Transport Refrigeration Units[a]	~~4.45~~ 0.00	~~10.49~~ 0.00	~~9.81~~ 0.00	~~0.03~~ 0.00	~~0.03~~ 0.00	~~0.11~~ 0.00	~~1,441~~ 0	~~0.06~~ 0.00	~~0.01~~ 0.00	~~1,736~~ 0
Storage Tanks	0.15	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~21.66~~ 21.31	~~5.41~~ 5.33	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
2035 Total	~~28.03~~ 20.21	~~216.99~~ 166.01	~~260.28~~ 186.31	~~30.35~~ 31.71	~~11.41~~ 12.15	~~1.93~~ 1.73	~~123,376~~ 113,344	~~2.27~~ 4.90	~~1.14~~ 0.98	~~123,994~~ 114,276
2035 Total Less Baseline	**~~8.99~~ 5.14**	**~~119.69~~ 98.16**	**~~1.03~~ -64.36**	**~~8.98~~ 11.64**	**~~-1.09~~ -0.06**	**~~0.98~~ 0.87**	**~~40,916~~ 14,022**	**~~--.22~~ 0.64**	**~~0.40~~ 0.13**	**~~41,113~~ 14,133**
SJVAPCD Significance Threshold	**10**	**-**	**10**	**15**	**-**	**-**	**-**	**-**	**-**	**-**
Significant Impact?	**No**	**-**	**No**	**No**	**-**	**-**	**-**	**-**	**-**	**-**

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
CO = Carbon monoxide
CH_4 = Methane
$PM_{2.5}$ = Fine particulate matter
SO_x = Sulfur oxides
CO_2 = Carbon dioxide
PM_{10} = Respirable particulate matter
CO_2e = Carbon dioxide equivalent
NO_x = Oxides of nitrogen
N_2O = Nitrous oxide
~~ROG = Reactive organic gases~~

[a] Includes greenhouse gas (GHG) emissions in the form of refrigerant loss.

SOURCE: Sierra Research, 2011

TABLE 4.3-12
MAXIMUM PROJECT CRITERIA POLLUTANT EMISSIONS DURING OPERATIONS

	VOC (tons/year)	NOx (tons/year)	PM_{10} (tons/year)
Baseline (2010)	~~19.04~~ <u>15.07</u>	~~259.25~~ <u>250.67</u>	~~21.37~~ <u>20.07</u>
Project Phase 1 (2013 Emissions Less Baseline)	~~6.31~~ <u>1.32</u>	~~**18.61**~~ <u>-1.37</u>	~~3.01~~ <u>-1.59</u>
Project Phase 2 (2021 Emissions Less Baseline)	~~**11.98**~~ <u>8.81</u>	~~**31.29**~~ <u>-13.29</u>	~~14.27~~ <u>11.53</u>
Project Phase 2 (2035 Emissions Less Baseline)	~~8.99~~ <u>5.14</u>	1.03 <u>-64.36</u>	~~8.98~~ <u>11.64</u>
Thresholds of Significance	10	10	15
Significant Impact?	~~**Yes (2021 only)**~~ **<u>No</u>**	~~**Yes (2013 and 2021 only)**~~ **<u>No</u>**	**No**

NOTES:
~~**Bolded text** shows where thresholds of significance would be exceeded.~~
VOC = Volatile organic compounds NO_x = Oxides of nitrogen PM_{10} = Respirable particulate matter

SOURCE: Sierra Research, 2011

The last sentence of the second paragraph on p.4.3-52 has been revised as follows:

> ~~Because the project's shape and area are limited by surrounding land uses~~ <u>Nonetheless</u>, the facility ~~cannot easily has be~~ <u>has been</u> redesigned to include a dedicated area for TRU electrification. ~~For these reasons, the project is not a good candidate for a TRU electrification project and this option was not considered for the project.~~ <u>As such, this measure has been added as Mitigation Measure AIR-2e (see below). Implementation of this mitigation measure would eliminate future year emissions from TRUs at the rail yard.</u>

[Response to Comment FS2-1]

Mitigation Measure AIR-2 on p.4.3-56 has been revised as follows:

> <u>**Mitigation Measure AIR-2e:** The facility shall install electrical infrastructure (i.e. "a reefer rack") to support the operation of one hundred percent of the expected container TRUs on electrical power while being stored at the facility.</u>

The above mitigation measures would reduce project criteria pollutant emissions ~~in the initial project years (2013 through 2021) when significant impacts are predicted~~ to less than significant levels and have been accounted for in the emission calculations.

Significance after Mitigation: ~~Significant and Unavoidable for Years 2013 through 2021.~~ Less than Significant.~~ by Year 2035 and thereafter.~~"

[Response to Comment FS2-1]

Impact AIR-3 on p.4.3-56 has been revised as follows:

Impact AIR-3: Toxic air contaminant thresholds related to health risks would be exceeded during project operations. (Significant ~~and Unavoidable~~)

[Response to Comment FS2-1]

The second sentence under Impact AIR-3 on p.4.3-56 has been revised as follows:

As described previously, emission sources attributed to the project are predominantly diesel-fueled internal combustion engines contained in locomotives, heavy-duty drayage and delivery trucks, cargo handling equipment, ~~TRUs,~~ and stationary equipment.

[Response to Comment FS2-1]

The third sentence on p.4.3-58 has been modified as follows:

The risk values are based on the 70-year DPM emission rate of the rail yard including the project's two phases (calculated from 2010 through 2079~~2069~~) less the 70-year DPM emission rate of the baseline condition (calculated over the same period).

[Response to Comment FS2-1]

Table 4.3-13 on p.4.3-58 has been modified as follows:

TABLE 4.3-13
MAXIMUM MODELED PROJECT HEALTH RISK

Location of Exposure (UTM Coordinates)	Annual Average DPM Impacts ($\mu g/m^3$)	Incremental Increase	
		Carcinogenic Risk[a] (per million)	Chronic Hazard Quotient[b] (unitless)
Maximum Exposed Resident ~~(653476, 4189883)~~ (653604, 4191168)	~~0.116~~ 0.014	~~**48**~~ 5.9	~~0.02~~ 0.00
Maximum Exposed Future Worker ~~(653100, 4790700)~~ (653100, 4190700)	~~0.482~~ 0.079	~~**36**~~ 5.9	~~0.10~~ 0.02
Maximum Exposed Current Worker ~~(652734, 4191147)~~ (653409, 4191269)	~~0.242~~ 0.020	~~**18**~~ 1.5	~~0.05~~ 0.00
Point of Maximum Impact ~~(653100, 4190700)~~ (653100, 4190700)	~~0.482~~ 0.079	~~200~~ 32[c]	~~0.10~~ 0.02
Thresholds of Significance		**10**	**1.0**
Significant Impact?		~~**Yes**~~ **No**	**No**

NOTES:

UTM = Universal Transverse Mercator
DPM = Diesel particulate matter
$\mu g/m^3$ = micrograms per cubic meter
~~**Bolded** text represents exceedance of threshold of significance.~~

a Calculated using the Derived OEHHA method as reported by CARB's Hotspots Analysis and Reporting Program (HARP), Version 1.4. This equates to a DPM unit risk factor of 4.15×10^{-4} $(\mu g/m^3)^{-1}$.

b Hazard quotient is the maximum concentration divided by the Chronic Reference Exposure Level (REL) developed by the California Office of Environmental Health Hazard Assessment (OEHHA). The Chronic REL for DPM is 5.0 $\mu g/m^3$.

c The Point of Maximum Impact (PMI) currently lies within an open agricultural field and therefore does not represent a receptor. Hence, the impacts at this location do not exceed the SJVAPCD thresholds of significance. If this area is developed as proposed, the PMI becomes the Maximum Exposed Future Receptor (above), and the appropriate exposure duration corrections are applied.

SOURCE: Sierra Research, 2011

[Response to Comment FS2-1]

The first sentence of the third paragraph on p.4.3-59 has been modified as follows:

> The results of the screening level HRA show that both the maximum exposed residential and workplace receptors would not experience MECR in excess of the SJVAPCD significance threshold of 10 in one million or an increase in the chronic hazard quotient in excess of the SJAPVCD significance threshold of 1.0.

[Response to Comment FS2-1]

The last bullet on p.4.3-59 has been revised as follows:

- 100 percent of TRUs (including those MY 2004 and older listed above), must meet ultra low-emitting TRU requirements (equivalent to a factory or retrofit diesel particulate filter achieving a 75-percent reduction) seven years after the TRU model year, beginning January 1, 2012. It is noted that the due to the adoption of Mitigation Measure AIR-2e, future year DPM on-site operational emissions would be eliminated.

[Response to Comment FS2-1]

The last sentence of the first paragraph on p.4.3-60 has been revised as follows:

> ~~However, due to the magnitude of the effective mitigation provided by these measures, additional mitigation may not be feasible.~~

[Response to Comment FS2-1]

The second and third sentences of the second paragraph on p.4.3-60 have been revised as follows:

> This analysis calculates DPM emissions from the current yard to be ~~2.41~~ 2.33 tons per year in 2010, and emissions from the yard, expanded by the project, to be ~~1.28~~ 1.20 tons per year in 2035. Therefore, the long-term DPM emissions from the project at full buildout would be ~~47~~ 48 percent lower than current DPM emissions.

[Response to Comment FS2-1]

Mitigation Measure AIR-3and the significance determination on p.4.3-60 has been revised as follows:

> **Mitigation Measure AIR-3:** Implement Mitigation Measures AIR-2a, AIR-2b, AIR-2c, ~~and~~ AIR-2d, and AIR-2e.
>
> **Significance after Mitigation:** Less than Significant~~ and Unavoidable~~

[Response to Comment FS2-1]

Impact AIR-4 on p.4.3-60 has been revised as follows:

> **Impact AIR-4: Cumulative air quality impacts from criteria air pollutants and toxic air contaminants would exceed thresholds. (Significant ~~and Unavoidable~~).**

[Response to Comment FS2-1]

The second paragraph on p.4.3-61 has been revised as follows:

> As shown in Tables 4.3-9 <u>through 4.3-12</u>, ~~and 4.3-10,~~ the project's <u>criteria pollutant emissions would not exceed the SJVAPCD's mass based thresholds of significance.</u> ~~VOC emissions would exceed the significance threshold in 2021, and the project's NOx emissions would exceed the significance threshold in both 2013 and 2021. The project would not exceed the PM_{10} significance threshold. None of the significance thresholds would be exceeded in 2035.~~ As previously discussed, the benefits of new engine certification regulations, coupled with CARB's fleet modernization rules, have mitigating effects that would ultimately lower emissions below the SJVAPCD significance thresholds, despite projected activity growth. Because these measures are regulatory requirements, they do not constitute mitigation as defined by CEQA. Rather, they are mitigating project features and are enforceable, mainly by CARB, through the record keeping, reporting, labeling, and notification requirements inherent in each regulation. Because these measures <u>would</u> ~~cannot~~ maintain project ~~ozone precursor~~ emissions ~~(VOC and NOx)~~ below the thresholds of significance ~~in 2013 and 2021~~, the project is considered to result in a <u>less than</u> significant ~~and unavoidable~~ cumulative impact in these analysis years only for the criteria pollutant impacts.

[Response to Comment FS2-1]

The first sentence of the third paragraph on p.4.3-61 has been revised as follows:

> In addition, regional criteria pollutant impacts were evaluated by comparing maximum daily emissions from the <u>rail yard</u> ~~project~~ with emissions of ozone and particulate matter precursors in the SJVAB.

[Response to Comment FS2-1]

The fourth paragraph on p.4.3-61 has been revised as follows:

The rail yard's ~~project's~~ maximum operational emissions (in CY 2021) are compared with the 2020 emission inventories for the SJVPAB in Table 4.3-14. Basinwide emission inventories were obtained from CARB's web-based emission inventory database (CARB, 2011). These comparisons show that the rail yard's ~~project's~~ emissions would have a small impact on regional ozone and particulate matter formation.

[Response to Comment FS2-1]

Table 4.3-14 on p.4.3-62 is modified as follows:

TABLE 4.3-14
COMPARISON OF MAXIMUM RAIL YARD ~~PROJECT~~ EMISSIONS TO REGIONAL PRECURSOR EMISSIONS

Ozone Precursors – Tons Per Year	
San Joaquin Valley Air Basin Ozone Precursors	241,010
Project Ozone Precursor Emissions	~~43~~ 261
Project Ozone Precursor Emissions as Percentage of San Joaquin Valley Air Basin	~~0.018%~~ 0.011%
Particulate Matter Precursors – Tons Per Year	
San Joaquin Valley Air Basin Particulate Matter Precursors	364,234
Project Particulate Matter Precursors	~~59~~ 295
Project Particulate Precursor Emissions as Percentage of San Joaquin Valley Air Basin	0.08%

NOTE: Air basin emissions include natural and anthropogenic sources, and were converted from units of tons per day.

SOURCE: Sierra Research, 2011

[Response to Comment FS2-1]

The first paragraph on p.4.3-62 has been revised as follows:

The project's individual air toxic emissions were evaluated under Impact AIR-3. The results of a screening-level HRA indicated that the project's MECR is expected to be ~~48~~ 5.9 in one million for the maximum exposed resident, and ~~36~~ 5.9 in a million for the maximum exposed worker, compared to a threshold of significance of 10 in a million. The threshold of significance for chronic impacts was not exceeded. As previously discussed, these results are based on conservative assumptions that the project would operate at full capacity immediately upon the completion of construction of each phase. Actual increases in risk are expected to be much lower, because activity at the yard would increase gradually in response to regional demand for intermodal transportation services. Additionally, CARB fleet modernization rules require the phase-in of DPM control devices on every heavy-duty on-highway engine and nonroad engine operating at the project. These rules would actually reduce DPM emissions in 2035 to ~~1.28~~ 1.20 tons per year, compared to current (2010) DPM emissions of ~~2.41~~ 2.33 tons per year, even when the increased activity of the project is taken into account. Therefore ~~Nonetheless~~, the project is considered to have a less than significant ~~and unavoidable~~ health risk impact.~~ because DPM emissions would not decrease to the degree that they otherwise would in the absence of the project.~~

[Response to Comment FS2-1]

The last sentence of the second paragraph on p.4.3-63 has been revised as follows:

Because the risk from the project alone ~~would exceed~~ is less than the SJVAPCD significance threshold for heath risk, the combined risk of the two proposed projects would not cause a significant and unavoidable impact on health risk since the SJVAPCD significance thresholds represent the acceptable level of risk by which any number of individual projects may increase.

[Response to Comment FS2-1]

Mitigation Measure AIR-4 and the significance determination on p.4.3-63 have been revised as follows:

Mitigation Measure AIR-4: Implement Mitigation Measures AIR-2a, AIR-2b, AIR-2c, ~~and~~ AIR-2d, and AIR-2e.

Significance after Mitigation: Less than Significant.~~ and Unavoidable.~~

[Response to Comment FS2-1]

Mitigation Measure NOISE-1b on p.4.4-64 is revised as follows:

Mitigation Measure NOISE-1b: Reduce container landing impact noise by requiring crane operators to utilize software/sensor controls to tightly control descent speeds in the last few seconds before impact.

[Response to Comment P1-5]

The fourth bullet on p.4.9-16 is modified as follows:

- For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of ~~an~~ a public airport or public use airport, result in a safety hazard for people residing or working in the project area;

[Response to Comment RL3-2]

The paragraph under "Airport Hazards on p.4.9-17 is modified as follows:

The project is ~~would not be~~ located within the Stockton Metropolitan Airport Influence Area (AIA). In 2009, an update to the County's 1993 Airport Land Use Compatibility Plan (ALUCP) was completed for the County's public use airports (SJCOG, 2009). However, the 2009 ALUCP did not include the Stockton Metropolitan Airport as the airport is currently updating its Master Plan. Therefore, the project is currently subject to the policies and criteria within the 1993 ALUCP. The AIA for the airport is divided into subareas, with differing land use standards, conditions, and restrictions for each subarea. The project site is not located within any of the AIA subareas; therefore, it does not conflict with any zones demarcated for safety or noise hazards (SJCOG, 1993). ~~two miles of an active airport and would not result in a safety hazard for people residing or working in the project area.~~ Sharpe Airfield, formerly used for military operations, is located immediately west of the project site. However, Sharpe Airfield has been out of service since the 1990s, and the field's runway has been partially replaced by a parking lot, with the remaining half of the runway used as a parking and storage area. This airport is no longer in use. ~~Other nearby airports are located in Stockton, more than three miles to the north of the project site.~~ Therefore, no hazards related to proximity to an existing airport are anticipated as a result of project implementation.

The following reference is added on p.4.9-24:

San Joaquin Council of Governments (SJCOG), 1993. Airport Land Use Compatibility Plan.

[Response to Comment RL3-1]

C. Errata

The following are changes to the text due to errata or to clarify specific issues:

Table 3-1, Existing and Proposed Site Conditions, on page 3-16 has been edited as follows:

Packers	1 ~~2~~	0	0	1 ~~2~~
Gantry Cranes	4 ~~5~~	0	2 ~~1~~	6

The fourth sentence on page 4.3-25 has been edited as follows:

> Locomotives, cargo handling equipment (CHE), and drayage trucks would consume transportation fuels subject to the Low Carbon Fuel~~s~~ Standard and the California Cap and Trade Program.

The fourth sentence on page 4.3-32 has been edited as follows:

> The exception to this is track construction, which is performed using both conventional equipment and specialty rail construction equipment.

The third sentence of the second paragraph under Table 1 on page 2 of the DEIR Appendix F.2 has been revised as follows:

> Based on a weekly comparison of UP gate movements between 12/1/2009 and 12/1/2010, 38 of out 52 weeks (or 73 percent) recorded ~~higher~~ lower gate movements at the UP driveway relative to October 17th.

The following footnote has been added to Table 2 on page 2 of the DEIR Technical Appendix F.2:

> The October 2010 traffic count of 2,045 daily trips reflects a peak seasonal period and was adjusted down to 1,770 trips to reflect annual average truck volume based on information described in Appendix F.3.

CHAPTER 6
Mitigation Monitoring and Reporting Program

This Mitigation Monitoring and Reporting Program has been prepared to comply with the requirements of State law (Public Resources Code Section 21081.6). State law requires the adoption of a mitigation monitoring program when mitigation measures are required to avoid significant impacts. The monitoring program is intended to ensure compliance during implementation of the project.

This Mitigation Monitoring and Reporting Program has been formulated based upon the findings of the Draft EIR and the comments received on the Draft EIR and addressed herein. This Mitigation Monitoring Program identifies mitigation measures recommended in the EIR to avoid or reduce identified impacts, and specifies the agencies/party responsible for implementation and monitoring.

The first column identifies mitigation measures and statements of findings of impacts being significant and unavoidable. The second column entitled "Monitoring/Reporting Action," refers to refers to the person/agency that will monitor mitigation measures. The third column entitled "Responsible Party for Providing Mitigation," lists the entity responsible for mitigation. The fourth column entitled "Monitoring/Reporting Responsibility," refers to the person/agency responsible for ensuring that the mitigation measure has been implemented. The fifth column entitled "Timing," identifies when and/or for how long the monitoring shall occur.

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.1 Land Use and Agricultural Resources				
LAND-1: To mitigate the conversion of Important Farmland for the project, the project sponsor shall either dedicate or acquire a conservation easement which preserves farmland or pay in lieu fees for the acquisition of such an easement. A conservation easement is an encumbrance sometimes including a transfer of usage rights (easement) which creates a legally enforceable land preservation agreement between a landowner and a government agency (municipality, county, state, federal) or a qualified land protection organization (often called a "land trust"), for the purposes of conservation. It restricts real estate development, commercial and industrial uses, and certain other activities on the property. This mitigation strategy would ensure that the acquisition of the conservation easement land achieves maximum benefits for the residents of San Joaquin County and other public or private land conservation programs. The number of acres of agricultural land subject to a conservation easement shall be equal to the number of acres of Important Farmland that would be changed to a non-agricultural use by the proposed project [a 1:1 ratio] and of equal or better quality as the Important Farmland converted by the project. Final approval of the proposed project shall be contingent upon the execution of the legal instrument to create a conservation easement as described herein or payment of an in-lieu fee to a government agency or qualified land protection organization/land trust, including SJCOG Inc. under the San Joaquin Multiple Species Conservation Program (SJMSCP), for the acquisition of such an easement within San Joaquin County. A conservation easement which preserves farmland may be combined with a conservation easement which also preserves habitat for biological resources, including under the SJMSCP, provided the easement preserves farmland of equal quantity and quality as the Important Farmland converted by the project. **Less than significant** impact after implementation of Mitigation Measure LAND-1.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and San Joaquin Council of Governments if participation is sought in the SJMSCP	Prior to project construction activities
LAND-2: Less than significant impact after implementation of Mitigation Measure LAND-1.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and San Joaquin Council of Governments if participation is sought in the SJMSCP	Prior to project construction activities

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic				
TRANS-1: Prior to the issuance of building permits for Phase I of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Lathrop Road and I-5 Southbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the San Joaquin Regional Transportation Impact Fee (RTIF) program at the time building permits are applied for. Construction of this improvement would improve the intersection LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase I
TRANS-2: Prior to the issuance of building permits for Phase I of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Lathrop Road and I-5 Northbound Ramps, which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve the intersection LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase I
TRANS-3: There is no feasible measure to mitigate the impact. Installation of a traffic signal would mitigate the impact to a less-than-significant level, but Caltrans would not install a traffic signal because the Peak Hour Signal Warrants would not be met. Therefore, this is a **significant and unavoidable impact**.	N/A	N/A	N/A	N/A
TRANS-4: Prior to the issuance of building permits, the project sponsor shall contribute its fair share of the cost of the addition of a lane to the southbound SR 99 freeway segment between French Camp Road and Lathrop Road, which improvement is programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve diverge operation LOS to an acceptable LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase I

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
TRANS-5: Prior to the issuance of building permits for Phase I of the project, the project sponsor shall contribute its fair share of the cost of implementing Mitigation Measure TRANS-4 (contribute fair share cost of addition of a lane to the southbound SR 99 freeway segment between French Camp Road and Lathrop Road), which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve diverge operation LOS to an acceptable LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase I
TRANS-6: Prior to the issuance of building permits for Phase I of the project, the project sponsor shall contribute its fair share of the cost of implementing Mitigation Measure TRANS-4 (contribute fair share cost of addition of a lane to the southbound SR 99 freeway segment between French Camp Road and Lathrop Road), which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve diverge operation LOS to an acceptable LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase I
TRANS-7: Prior to the issuance of building permits for Phase I of the project, the project sponsor shall contribute its fair share of the cost of implementing Mitigation Measure TRANS-4 (contribute fair share cost of addition of a lane to the southbound SR 99 freeway segment between French Camp Road and Lathrop Road), which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve diverge operation LOS to an acceptable LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase I

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
TRANS-8: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Roth Road and I-5 Southbound Ramps by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 6.1% of such improvement multiplied by the estimated cost of such improvement. Construction of this improvement would improve the intersection LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-9: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of Roth Road and I-5 Northbound Ramp by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 9.8% of such improvement multiplied by the estimated cost of such improvement. Construction of this improvement would improve the intersection LOS to an acceptable LOS B or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-10: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of the following improvements by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 12.2% of such improvements multiplied by the estimated cost of such improvements: (i) installation of a traffic signal at the intersection of Roth Road and Harlan Road, with protective left-turn signal phasing for Harlan Road approaches, (ii) conversion of the northbound Harlan Road approach from the existing shared left-turn/through lane and separate right-turn lane to a separate left-turn lane and shared through/right-turn lane, and (iii) conversion of westbound and southbound approaches from shared left-turn/through/right-turn lane to separate left-turn lane and a shared through/right turn lane. Construction of the above improvements would improve intersection LOS to an acceptable LOS C. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
TRANS-11: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-1 (contribute fair share cost of installation of a traffic signal at the intersection of Lathrop Road and I-5 Southbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program), and shall contribute its fair share of the cost of installing the following additional improvements: (i) conversion of the eastbound approach from shared through/right-turn lane to a separate through and a separate right-turn lane, and (ii) construction of an additional left-turn lane on the westbound and southbound approaches, which improvements are programmed for inclusion and construction, under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of the above improvements would improve intersection LOS to an acceptable LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-12: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-2 (contribute fair share cost of installation of a traffic signal at the intersection of Lathrop Road and I-5 Northbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program), and shall contribute its fair share of the cost of installing the following additional improvements: (i) construction of an additional left-turn lane on the eastbound approach, (ii) conversion of the existing westbound approach from shared through/right-turn lane to separate through and separate right-turn lane, and (iii) conversion of the existing shared northbound approach to shared left-turn/through lane and a free right-turn lane, which improvements are programmed for inclusion and construction, under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve intersection LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-13: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of French Camp Road and SR 99 Southbound Ramps, which improvement is programmed for inclusion and construction, under the RTIF program, by paying the applicable fees for the project under the RTIF	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
program at the time of building permit applications. Construction of this improvement would improve the intersection LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.				
TRANS-14: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing the following improvements: (i) an additional left-turn lane on the southbound Airport Way approach, and (ii) an additional left-turn lane on the westbound French Camp Road approach, which improvements are programmed for inclusion and construction under the San Joaquin County Traffic Impact Mitigation Fee (TIMF) program, by paying the applicable fees for the project under the TIMF program at the time of building permit applications. Construction of these improvements would improve intersection LOS to an acceptable LOS D. Because this impact occurs only under cumulative conditions and the project's obligation is to contribute only its fair share of the cost of these improvements, it is uncertain whether full funding will be achieved for construction of this improvement. This impact is therefore **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-15: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-8 and shall contribute its fair share of the cost of installing the following additional improvements by paying a fair share fee to San Joaquin County equal to the project's equitable fair share of 6.1% of such improvements multiplied by the estimated cost of such improvements: (i) conversion of the southbound approach from left and shared left-turn/through/right-turn lane to separate left and a shared right-turn/through lane, and (ii) construct an additional left-turn lane on the westbound approach, which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve intersection LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County/Re-verification of Mitigation Measure TRANS-8.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
TRANS-16: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-9. Construction of the improvements described in Mitigation Measure TRANS-9 would improve intersection LOS to an acceptable LOS C. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County of Mitigation Measure TRANS-9.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-17: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-10. Construction of the improvements described in Mitigation Measure TRANS-10 would improve intersection LOS to an acceptable LOS C. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County of Mitigation Measure TRANS-10.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-18: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of the following improvements by paying the applicable fees for the project under the RTIF program if such improvements are included within the program at the time of building permit applications, or alternatively, if such improvements are not included under the RTIF program at the time of building permit applications, by paying fees to San Joaquin County for the following improvements, based upon the project's equitable fair share of such improvements, if an alternative fee collection program exists at the time of building permit applications which has been established by the County and/or the City of Manteca and which the County, as Lead Agency, determines is part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue: (i) provision of a separate left-turn lane and a shared through/right-turn lane on the eastbound and westbound Daisywood Drive approaches, and (ii) construction of a second southbound through lane. Construction of these improvements would improve intersection LOS to an acceptable LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-19: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-1 (contribute fair share of the cost of installation of a traffic signal at the intersection of Lathrop Road and I-5 Southbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program), and shall contribute its	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
fair share of the cost of installing the following additional improvements, to the extent the project has not already contributed its fair share by implementing Mitigation Measure TRANS-11: (i) conversion of the eastbound approach from shared through/right-turn lane to three separate through lanes and two free right-turn lanes, (ii) construction of one additional left-turn lane and two additional through lanes on the westbound approach, and (iii) conversion of the shared left-turn/through/right-turn lane on the southbound approach to two left-turn lanes, separate through lane and a free right-turn lane, which improvements are programmed for inclusion and construction, under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of these improvements would improve intersection LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.				
TRANS-20: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-2 (installation of a traffic signal at the intersection of Lathrop Road and I-5 Northbound Ramps, which improvement is programmed for inclusion and construction under the RTIF program), and shall contribute its fair share of the cost of installing the following additional improvements, to the extent the project has not already contributed its fair share by implementing Mitigation Measure TRANS-12: (i) construction of an additional left-turn lane on the eastbound approach, (ii) conversion of the existing westbound approach from shared through/right-turn lane to three separate through lanes and a separate free right turn lane, and (iii) conversion of the existing shared northbound approach to two left-turn lanes, one through lane and one free right-turn lane, which improvements are programmed for inclusion and construction, under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of these improvements would improve intersection LOS to an acceptable LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-21: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of the following improvements by paying the applicable fees for the project under the RTIF program if such improvements are included within the program at the time of building permit applications, or alternatively, if such improvements are not	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
included under the RTIF program at the time of building permit applications, by paying fees to San Joaquin County for the following improvements, based upon the project's equitable fair share of such improvements, if an alternative fee collection program exists at the time of building permit applications which has been established by the County and/or the City of Manteca and which the County, as Lead Agency, determines is part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue: (i) provision of an additional through lane on the northbound approach, (ii) provision of additional left-turn lane and conversion of separate right-turn lane to shared through/right-turn lane on the southbound approach, (iii) conversion of the eastbound approach from separate left, through and right turn lanes to dual left, dual through and one right-turn lane, and (iv) conversion of the westbound approach from separate left and a shared through/right-turn lane to one left, two through and one right turn lane. Construction of these improvements would improve intersection LOS to an acceptable LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.				
TRANS-22: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-13 (contribute fair share of the cost of installation of a traffic signal at the intersection of SR 99 Southbound Ramps and French Camp Road, which improvements are programmed for inclusion and construction, under the RTIF program), and shall contribute its fair share of the cost of installing the following additional improvements: conversion of the shared left-turn/through lane and separate right-turn lane to separate left and a shared through/right-turn lane on the northbound and southbound approaches, which improvements are programmed for inclusion and construction, under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of these improvements would improve intersection LOS to an acceptable LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
TRANS-23: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of installing a traffic signal at the intersection of SR 99 Northbound Ramps and French Camp Road, which improvement is programmed for inclusion and construction, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve intersection LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-24: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of adding a lane to the northbound I-5 freeway segment between Lathrop Road and Roth Road, which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. This mitigation measure would be consistent with Caltrans' Interstate 5 TCR, which identifies this section of the freeway to be ultimately widened to ten lanes (five in each direction including one HOV lane). Construction of this improvement would improve freeway LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-25: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of adding a lane to the northbound I-5 freeway segment between Roth Road and Mathews Road, which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. This mitigation measure would be consistent with Caltrans' Interstate 5 TCR, which identifies this section of the freeway to be ultimately widened to ten lanes (five in each direction including one HOV lane). Construction of this improvement would improve freeway LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
TRANS-26: There is no feasible measure to mitigate the impact to a less-than-significant level. Addition of two mixed-flow lanes to the southbound I-5 freeway segment between Mathews Road and Roth Road would be required to mitigate the impact to a less-than-significant level, but that would be inconsistent with Caltrans' Interstate 5 TCR, which identifies this section of the freeway to be ultimately widened to ten lanes (five in each direction including one HOV lane). Widening the segment by one mixed-flow lane and one HOV lane (consistent with the Interstate 5 TCR) would improve the service level, but only to an unacceptable LOS E. This impact is therefore **significant and unavoidable**.	N/A	N/A	N/A	N/A
TRANS-27: There is no feasible measure to mitigate the impact to a less-than-significant level. Addition of two mixed-flow lanes to the southbound I-5 freeway segment between Roth Road and Lathrop Road would be required to mitigate the impact to a less-than-significant level, but that would be inconsistent with Caltrans' Interstate 5 TCR, which identifies this section of the freeway to be ultimately widened to ten lanes (five in each direction including one HOV lane). Widening the segment by one mixed-flow lane and one HOV lane (consistent with the Interstate 5 TCR) would improve the service level, but only to an unacceptable LOS E. This impact is therefore **significant and unavoidable**.	N/A	N/A	N/A	N/A
TRANS-28: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-24 (contribute fair share of the cost of adding a lane to the northbound I-5 freeway segment between Lathrop Road and Roth Road, which improvement is programmed for inclusion and construction under the RTIF program and is consistent with Caltrans' Interstate 5 TCR) by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of the improvement described in Mitigation Measure TRANS-24 would improve merge operation LOS to an acceptable LOS D. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-29: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of adding a lane to the southbound I-5 freeway segment between Mathews Road and Roth Road, which improvement is programmed for inclusion and construction under the RTIF program and is consistent with Caltrans' Interstate 5 TCR, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve merge operation LOS to an acceptable LOS D. Because San Joaquin County, as	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.				
TRANS-30: There is no feasible measure to mitigate the impact to a less-than-significant level. As described above, adding one additional mixed-flow lane and an HOV lane to the freeway segment would improve the service level to LOS E (remaining unacceptable). To fully mitigate the impact, a second additional mixed-flow lane would be required, which is beyond what has been identified in the Interstate 5 TCR. This impact is therefore **significant and unavoidable**.	N/A	N/A	N/A	N/A
TRANS-31: There is no feasible measure to mitigate the impact to a less-than-significant level. As described above, adding one additional mixed-flow lane and an HOV lane to the freeway segment would improve the service level to LOS E (remaining unacceptable). To fully mitigate the impact, a second additional mixed-flow lane would be required, which is beyond what has been identified in the Interstate 5 TCR. This impact is therefore **significant and unavoidable**.	N/A	N/A	N/A	N/A
TRANS-32: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of adding a lane to the northbound SR 99 freeway segment between French Camp Road and Lathrop Road, which improvement is programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve merge operation LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-33: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of adding a lane to the southbound SR 99 freeway segment between French Camp Road and Lathrop Road, which improvements are programmed for inclusion and construction under the RTIF program, by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve merge operation LOS to an acceptable LOS C or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
TRANS-34: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-32 (contribute fair share of the cost of addition of a lane to the northbound SR-99 freeway segment between French Camp Road and Lathrop Road, which improvement is programmed for inclusion and construction under the RTIF program) by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve LOS to an acceptable LOS B or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County that Mitigation Measure 32 has been completed.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-35: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-32 (contribute fair share of the cost of addition of a lane to the northbound SR-99 freeway segment between French Camp Road and Lathrop Road, which improvement is programmed for inclusion and construction under the RTIF program) by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve LOS to an acceptable LOS B or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County that Mitigation Measure 32 has been completed.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-36: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-32 (contribute fair share of the cost of addition of a lane to the northbound SR-99 freeway segment between French Camp Road and Lathrop Road, which improvement is programmed for inclusion and construction under the RTIF program) by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve LOS to an acceptable LOS B or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County that Mitigation Measure 32 has been completed.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-37: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-33 (contribute fair share of the cost of addition of a lane to the southbound SR 99 freeway segment between French Camp Road and Lathrop Road, which improvement is programmed for inclusion and construction under the RTIF program) by	Verification by County that Mitigation Measure 33 has been completed.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.2 Transportation and Traffic (cont.)				
paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve LOS to an LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.				
TRANS-38: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall implement Mitigation Measure TRANS-33 (contribute fair share of the cost of addition of a lane to the southbound SR 99 freeway segment between French Camp Road and Lathrop Road, which improvement is programmed for inclusion and construction under the RTIF program) by paying the applicable fees for the project under the RTIF program at the time of building permit applications. Construction of this improvement would improve LOS to an LOS D or better. Because San Joaquin County, as Lead Agency, does not have jurisdiction over this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County that Mitigation Measure 33 has been completed.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II
TRANS-39: Prior to the issuance of building permits for Phase II of the project, the project sponsor shall contribute its fair share of the cost of the construction of a grade separation/overpass at the easterly crossing on Roth Road by paying the applicable fees for the project under the RTIF program if such improvement is included within the program at the time that of building permit applications or alternatively, if such improvement is not included under the RTIF program at the time of building permit applications, by paying fees to San Joaquin County for such improvement, based upon the project's equitable fair share of the cost of such improvement, if an alternative fee collection program exists for such improvement at the time that of building permit applications which has been established by the County and/or the City of Lathrop and which the County, as Lead Agency, determines is part of a reasonable, enforceable plan or program that is sufficiently tied to the actual mitigation of the traffic impacts at issue. Construction of this improvement would mitigate queue spillback at the easterly rail crossing on Roth Road. Because San Joaquin County, as Lead Agency, does not have jurisdiction of all of the land required for this improvement and it is uncertain whether full funding will be achieved for construction of this improvement, this impact is **significant and unavoidable**.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and Public Works Department	Prior to issuance of building permits for Phase II

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.3 Air Quality and Greenhouse Gases				
AIR-1a: All disturbed areas, including storage piles that are not being actively used for construction purposes, shall be effectively stabilized to control dust emissions using water or chemical stabilizer/suppressant, and shall be covered with a tarp or other suitable cover or vegetative ground cover during the construction period. **AIR-1b:** All onsite unpaved roads and offsite unpaved access roads shall be effectively stabilized to control dust emissions using water or chemical stabilizer/suppressant. **AIR-1c:** All land clearing, grubbing, scraping, excavation, land leveling, grading, cut and fill, and demolition activities shall be effectively controlled to reduce fugitive dust emissions by applying water or by presoaking. **AIR-1d:** All exterior surfaces of building(s) up to six stories in height shall be wetted during demolition. **AIR-1e:** All material transported offsite shall be covered, or effectively wetted to limit visible dust emissions, and at least six inches of freeboard space from the top of the container shall be maintained. **AIR-1f:** All operations shall limit or expeditiously remove the accumulation of mud or dirt from adjacent public streets at the end of each workday. The use of dry rotary brushes shall be expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices shall be expressly forbidden. **AIR-1g:** Following the addition of materials to, or the removal of materials from, the surface of outdoor storage piles, the piles shall be effectively stabilized to control fugitive dust emissions using sufficient water or chemical stabilizer/suppressant. **AIR-1h:** Trackout shall be immediately removed when it extends 50 or more feet from the site and at the end of each workday. **AIR-1i:** Any site with 150 or more vehicle trips per day shall prevent carryout and trackout. **AIR-1j:** Traffic speeds on unpaved roads shall be limited to 15 miles per hour. **AIR-1k:** Sandbags or other erosion control measures shall be installed to prevent silt runoff to public roadways from sites with a slope greater than one percent.	Verification by County.	Union Pacific and/or construction contractor(s)	Union Pacific and/or construction contractor(s) with verification provided to San Joaquin County Community Development Department	During project construction activities

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.3 Air Quality and Greenhouse Gases (cont.)				
AIR-1l: Areas subject to excavation, grading, and other construction activity at any one time shall be limited. **AIR-1m:** Idling time shall be minimized for construction equipment (e.g., five-minute maximum). **Less than significant** impact after implementation of Mitigation Measures AIR-1a through AIR-1m.				
AIR-2a: All facility switch locomotives shall meet Tier 0 Plus emission levels by 2021. **AIR-2b:** The facility shall implement an anti-idling policy at the facility that generally limits non-necessary idling of cargo-handling equipment to five minutes or less. The policy shall include those exceptions that are determined to be necessary by the applicant for safe and efficient railroad operations, including, but not limited to, as necessary to ensure the safe operation of the equipment or to protect the safety of any person, as necessary during adverse weather, as necessary for equipment testing, and as necessary to power a heater or air conditioner or ancillary equipment. **AIR-2c:** The facility shall install an automatic gate system (AGS). **AIR-2d:** One hundred percent of Direct-to-Locomotive (DTL) refueling performed at the facility shall be with diesel fuel meeting CARB's specification for on-highway diesel (i.e., with CARB diesel). **AIR-2e:** The facility shall install electrical infrastructure (i.e. "a reefer rack" to support the operation of one hundred percent of the expected container TRUs on electrical power while being stored at the facility. **Less than significant** impact after implementation of Mitigation Measures AIR-2a through AIR-2e.	Verification by County.	Union Pacific	Union Pacific, with verification provided to San Joaquin County Community Development Department	During project operations
AIR-3: Implement Mitigation Measures AIR-2a, AIR-2b, AIR-2c, AIR-2d, and AIR-2e. Mitigation measures potentially applicable to the project were reviewed under Impact AIR-2. Because the candidate mitigation measures reduce both criteria pollutant emissions as well as emissions of air toxics (DPM), the same measures that were feasible to implement under Impact AIR-2 are also considered mitigation measures for Impact AIR-3. **Less than significant** impact after implementation of Mitigation Measures AIR-2a through AIR-2e.	Verification by County.	Union Pacific	Union Pacific with verification provided to San Joaquin County Community Development Department	During project operations

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.3 Air Quality and Greenhouse Gases (cont.)				
AIR-4: Implement Mitigation Measures AIR-2a, AIR-2b, AIR-2c, AIR-2d, and AIR-2e. Mitigation measures potentially applicable to the project were reviewed under Impact AIR-2. Because the candidate mitigation measures would reduce both criteria pollutant emissions as well as emissions of air toxics (DPM), the same measures that were feasible to implement under Impact AIR-2 are also considered mitigation measures for Impact AIR-4. **Less than significant** impact after implementation of Mitigation Measures AIR-2a through AIR-2e.	Verification by County.	Union Pacific	Union Pacific with verification provided to San Joaquin County Community Development Department	During project operations
4.4 Noise				
NOISE-1a: Reduce truck rebound impact noise by removing speed bumps and by posting large, clearly visible signs requiring drivers to observe maximum allowable speeds. In addition, install radar-operated or induction-loop operated large electronic speed indicator signs with rapidly flashing alerts in case of speed violations to clearly signal drivers their current speed. In addition, maintain the roads so as to reduce truck vibration due to surface roughness, expansion joint gaps, cracks and holes that would otherwise generate impact noise. **NOISE-1b:** Reduce container landing impact noise by requiring crane operators to utilize software/sensor controls to tightly control descent speeds in the last few seconds before impact. **NOISE-1c:** The applicant shall test the feasibility of utilizing electric hybrid cranes as an alternative to diesel powered gantry cranes and shall incorporate such hybrid cranes into the project's operations if the applicant determines they are operationally and economically feasible. **NOISE-1d:** The applicant shall replace the current single-tone backup alarms used in Gantry Cranes and other vehicles with Ambient-Sensitive Self-Adjusting Backup Alarms, which automatically increase or decrease their volume based upon background noise levels to ensure that the tone produced is no louder than necessary. Applicant should also test the safety implications of replacing single-tone backup alarms with less intrusive broadband noise types and determine if such replacement is feasible without compromising yard safety **Less than significant** impact after implementation of Mitigation Measures NOISE-1a through NOISE-1d.	Verification by County.	Union Pacific	Union Pacific with verification provided to San Joaquin County Community Development Department	During project operations

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.5 Aesthetics				
AESTHETICS-1: All lighting shall be effectively shielded to prevent spillage beyond the area requiring lighting for safety and operational purposes. No lighting shall be directed off the site or placed directionally so that lighting would shine outwards during project operations. Specifications for lighting shall be provided for County staff review at the time of the first building permit issued for Phase I construction. County staff shall complete a site review within 30 days of lighting installation to ensure that no excess spillage of light occurs off the site and that any off-site lighting at nearby parcels is less than one-half foot candle at the most. **Less than significant** impact after implementation of Mitigation Measure AESTHETICS-1.	County staff to review within 30 days of lighting installation	Union Pacific	San Joaquin County Community Development Department	Prior to issuance of building permits for Phase I
AESTHETICS-2: The project applicant shall implement Mitigation Measure AESTHETICS-1. **Less than significant** impact after implementation of Mitigation Measure AESTHETICS-1.	County staff to review within 30 days of lighting installation	Union Pacific	San Joaquin County Community Development Department	Prior to issuance of building permits for Phase I
4.6 Biological Resources				
BIO-1a: *Swainson's Hawk Avoidance Measures.* Prior to development, the applicant shall determine the nearest Swainson's hawk nest location via the California Natural Diversity Data Base (CNDDB) (CDFG, 1994) to determine the foraging radius relative to the project site. Pre-construction Swainson's hawk surveys shall also be conducted by a qualified biologist during the appropriate time of year using approved methods. Provisions that would reduce impacts to less-than-significant levels are described in *Appendix W, State Fish and Game Staff Report Regarding Mitigation for Impacts to Swainson's hawk in the Central Valley* of the staff report on Swainson's hawk (CDFG, 1994); summaries pertaining to the proposed project are provided below: 1. No intensive new disturbances (e.g., heavy equipment operation associated with construction) or other project-related activities that may cause nest abandonment or forced fledging shall be initiated within one-quarter mile (buffer zone) of an active nest between March 1–September 15 or until August 15 if a Management Authorization or Biological Opinion is obtained for the project. If construction or other project-related activities that may cause nest abandonment or forced fledging are necessary within the buffer zone, monitoring of the nest site (funded by the project applicant) by a qualified biologist (to determine if the nest is abandoned) shall be required. If the nest site is abandoned and if the nestlings are still alive, the project applicant shall fund the recovery and hacking (controlled release of captive reared young) of the nestling(s). Nest trees shall not be removed unless there is no feasible way of avoiding removal.	Verification by County.	Union Pacific	San Joaquin County Community Development Department and San Joaquin Council of Governments if participation is sought in the SJMSCP	Prior to project construction activities

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.6 Biological Resources (cont.)				
2. To mitigate for the loss of foraging habitat, project applicant shall provide Habitat Management (HM) lands to the CDFG based on the following ratios: a. Projects within 1 mile of an active nest tree shall provide: i. One acre of HM land for each acre of development authorized (1:1 ratio). At least 10 percent of the HM land requirements shall be met by fee title acquisition or a conservation easement allowing for the active management of the habitat, with the remaining 90 percent of the HM lands protected by a conservation easement [acceptable to the CDFG] on agricultural lands or other suitable habitats that provide foraging habitat for Swainson's hawk); or ii. One-half acre of HM land for each acre of development authorized (0.5:1 ratio). All of the HM land requirements shall be met by fee title acquisition or a conservation easement [acceptable to the CDFG] which allows for the active management of the habitat for prey production on the HM lands). b. Projects within 5 miles of an active nest tree but greater than 1 mile from the nest tree shall provide 0.75 acre of HM land for each acre of development authorized (0.75:1 ratio). All HM lands protected under this requirement may be protected through fee title acquisition or conservation easement (acceptable to the CDFG) on agricultural lands or other suitable habitats which provide foraging habitat for Swainson's hawk. c. Projects within 10 miles of an active nest tree but greater than 5 miles from an active nest tree shall provide 0.5 acre of HM land for each acre of urban development authorized (0.5:1 ratio). All HM lands protected under this requirement may be protected through fee title acquisition or a conservation easement (acceptable to the CDFG) on agricultural lands or other suitable habitats which provide foraging habitat for Swainson's hawk. 3. As an alternative to providing HM land for mitigation for the loss of foraging habitat as set forth in paragraph 2 above, the applicant may participate in the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan ("SJMSCP"). The SJMSCP provides a conservation strategy aimed to minimize, avoid, and mitigate impacts on features that include but are not limited to special-status species, wetlands, and other waters found within San Joaquin County. With regard to species, the SJMSCP conservation strategy is habitat-based and emphasizes compensation for habitat losses through the establishment, enhancement, and management-in-perpetuity of preserves.				

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UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.6 Biological Resources (cont.)				
The project applicant has the following four options as related to the SJMSCP: a. Pay the appropriate fee. A fee is assessed depending on which of the four habitats the project lies within. b. Dedicate habitat lands as conservation easement or fee title. c. Purchase mitigation bank credits from a mitigation bank approved by the SJMSCP. d. Propose an alternative mitigation plan, consistent with the goals of the SJMSCP and equivalent in biological value.				
BIO-1b: *Burrowing Owl Avoidance Measures.* The project applicant shall implement the measures listed below for grassland habitats to reduce potential impacts to a less-than-significant level and to avoid incidental take of burrowing owls. Measures shall apply to all construction activities near active nests or within potential burrowing owl nesting habitat, to avoid, minimize, or mitigate impacts on burrowing owls. 1. The applicant shall follow the current CDFG burrowing owl survey guidance, i.e. the Burrowing Owl Consortium multi-phase approach to evaluate burrowing owl use (California Burrowing Owl Consortium, 1993) and the California Department of Fish and Game's staff Report on burrowing owls (CDFG, 1995). 2. An initial breeding season survey shall be performed to determine the presence of burrowing owls for the purposes of inventory, monitoring, avoidance of take, and determining appropriate mitigation. In California, the breeding season begins as early as February 1 and continues through August 31. Under the Burrowing Owl Consortium's multi-phase survey methodology, for areas within 500 feet of construction boundaries (regardless of property boundary), the applicant shall: a. Perform a habitat assessment to identify essential components of burrowing owl habitat, including artificial nest features; b. Perform intensive burrow surveys in areas that are identified to provide suitable burrowing owl habitat; and c. Perform at least four breeding season surveys during the breeding season, from February 1 through August 31 to document habitat use. 3. Pre-construction surveys shall be used to assess owl presence before site modification is scheduled to begin. Initial pre-construction surveys should be conducted within 7 days, but no more than 30 days prior to ground-disturbing activities. Additional surveys may be required when the initial	Verification by County.	Union Pacific	San Joaquin County Community Development Department and San Joaquin Council of Governments if participation is sought in the SJMSCP	Prior to project construction activities

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UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.6 Biological Resources (cont.)				
disturbance is followed by periods of inactivity or the development is phased spatially and/or temporally over the project area. Up to four or more survey visits performed on separate days may be required to confirm that site modification and grading would not take owls. A follow-up report shall be provided to the CDFG by the surveying biologist. 4. Construction exclusion areas (e.g., with orange exclusion fence and signage) shall be established around occupied burrows, where no disturbance shall be allowed. During the nonbreeding season (September 1 through January 31), the exclusion zone shall extend at least 160 feet around occupied burrows. During the breeding season (February 1 through August 31), exclusion areas shall extend 250 feet around occupied burrows. a. If work or exclusion areas conflict with owl burrows, passive relocation of on-site owls could be implemented as an alternative, but only during the nonbreeding season and only with CDFG approval. The approach to owl relocation and burrow closure may vary depending on the number of occupied burrows. Passive relocation shall be accomplished by installing one-way doors on the entrances of burrows within 160 feet of the project site. The one-way doors shall be left in place for 48 hours to ensure the owls have left the burrow. The burrows shall then be excavated with a qualified biologist present. Construction shall not proceed until the project site is deemed free of owls. b. Artificial nesting burrows shall be provided as a temporary measure when natural burrows are lacking. To compensate for lost nest burrows, artificial burrows shall be provided outside the 160-foot buffer zone (CDFG, 1995). The alternate burrows shall be monitored daily for 7 days to confirm that the owls have moved in and acclimated to the new burrow. 5. Unoccupied burrows within the immediate construction area shall be excavated using hand tools, and then filled to prevent reoccupation. If any burrowing owls are discovered during the excavation, the excavation shall cease and the owl shall be allowed to escape. Excavation can be completed when the biological monitor confirms the burrow is empty. 6. A minimum of 6.5 acres of foraging habitat per active burrow shall be preserved, ideally in a long-term conservation easement (California Burrowing Owl Consortium, 1993). Also "when destruction of occupied burrows is unavoidable, burrows should be enhanced (enlarged or cleared of debris) or created (by installing artificial burrows) at a ratio of 1:1 in adjacent suitable habitat that is contiguous with the foraging habitat of the affected owls" (California Burrowing Owl Consortium, 1993).				

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UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.6 Biological Resources (cont.)				
7. As an alternative to the mitigation measures set forth in paragraphs 1 through 6, the applicant may participate in the SJMSCP to compensate for the loss of foraging habit as set forth in Mitigation Measure BIO-1a and to implement the Incidental Take Minimization Measures set forth in Section 5.2.4.15 of the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan, dated November 14, 2000.				
BIO-1c: *Seasonal Work Limits and Pre-Construction Surveys.* To the degree feasible, construction activities shall be avoided during the bird nesting and bat brooding season (February 1 through August 31) or the sites shall be surveyed by a qualified biologist to verify the absence of protected breeding birds and bats. If construction activities (i.e., ground clearing and grading, including removal of trees or shrubs) are scheduled to occur during the breeding season (February 1 through August 31), the following measures shall be implemented to avoid potential adverse effects on nesting raptors, other special-status birds, and bats: 1. A qualified wildlife biologist shall conduct pre-construction surveys for active nests within 300 feet (for raptors) or 100 feet (for migratory birds) of ground-disturbing activities, where access is available. Measures specifically pertaining to the burrowing owl are discussed in Mitigation Measure BIO-1b above. Measures specifically pertaining to the bats are discussed in Mitigation Measure BIO-1d below. 2. Surveys shall be conducted no more than 15 days prior to the potential disturbance. 3. If active nests (eggs/chicks present) are found during pre-construction surveys, the applicant shall establish a no-disturbance buffer (acceptable in size to the CDFG) around active raptor nests and nests of other special-status birds during the breeding season, or until it is determined that all young have fledged. Typical buffers are 300 to 500 feet for raptors and 100 to 250 feet for other nesting birds. The size of these buffer zones and the types of ground-disturbing activities restricted in these areas may be further modified during coordination with the CDFG and shall be based on existing noise and human disturbance levels at the project area. Nests initiated during construction are presumed to be unaffected, and no buffer would be necessary. If pre-construction surveys indicate that nests are inactive or potential habitat is unoccupied during the construction period, nesting substrate (i.e., trees, shrubs, and buildings) in this area can be removed, and no further mitigation is required. Depending on the species involved, input from the CDFG and/or the U.S. Fish and Wildlife Service (USFWS) Division of Migratory Bird Management may be warranted. As recommended by the biologist, no activities shall be conducted within the no-work buffer zone that could disrupt bird breeding.	Verification by County.	Union Pacific	San Joaquin County Community Development Department	No more than 15 days prior to ground disturbing activities

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Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.6 Biological Resources (cont.)				
4. If there is a break of at least five days in construction activities during the nesting season, an additional nesting bird survey shall be conducted to ensure that no birds have occupied nests during the pause in construction activity. 5. Outside of the breeding season (August 31–January 31), or after young birds have fledged, as determined by the biologist, work activities may proceed.				
BIO-1d: *Bat-Specific Avoidance Measures.* Pre-construction surveys conducted by a qualified bat biologist[4] shall be conducted on the project site prior to construction as proposed in Mitigation Measure BIO-1c. 1. Removal of trees showing evidence of bat activity shall occur during the period least likely to affect the bats as determined by a qualified bat biologist (generally between February 15 and October 15 for winter hibernacula and between August 15 and April 15 for maternity roosts). 2. If active day or night roosts are found, the bat biologist shall take actions to make such roosts unsuitable habitat prior to tree removal. 3. A no-disturbance buffer shall be created around active bat roosts being used for maternity or hibernation purposes at a distance to be determined in consultation with the CDFG. Bat roosts initiated during construction are presumed to be unaffected, and no buffer would necessary. **Less than significant** impact after implementation of Mitigation Measure BIO-1a through BIO-1d.	Verification by County.	Union Pacific	San Joaquin County Community Development Department	No more than 15 days prior to ground disturbing activities
BIO-2: *Wetlands Mitigation*. Wetland mitigation shall, to the extent not already completed, require a wetland delineation conducted according to the 1987 Corps Wetland Delineation Manual (U.S. Army Corps of Engineers 1987) and the Regional Supplement to the Corps Wetland Delineation Manual: Coast Region (Corps 2008). This delineation shall be submitted to the Corps for verification. Once that map is "verified," the full extent of waters of the U.S./State would be known and the extent of impacts on regulated areas ascertained. Authorization from the Corps and the RWQCB (for example, a Nationwide Permit or an Individual Permit and a Certification of Water Quality) shall be obtained as necessary/ required by these agencies prior to filling any waters of the U.S./State on the project site. Impacts shall also be minimized by the use of Best Management Practices (BMPs) to protect preserved waters of the	Verification by County.	Union Pacific	U.S. Army Corps of Engineers and Regional Water Quality Control Board, with verification by Union Pacific provided to San Joaquin County Community Development Department	Prior to filling of waters of the U.S.

4 A qualified biologist holds an MOA with CDFG to handle bats.

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Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.6 Biological Resources (cont.)				
U.S./State and to ensure that water quality standards are not compromised in preserved wetlands and other waters within the watershed. These practices can include installing orange construction fencing buffers, straw waddles to keep fill from entering preserved/avoided wetlands and other waters, and other protective measures. For those wetlands areas that are not avoided, mitigation compensation wetlands shall be completed. As approved by the Corps and the RWQCB, the applicant may purchase mitigation credits from an approved mitigation bank or an approved in-lieu fee mitigation entity at a minimum 1:1 ratio. As an alternative to the purchase of credits in a mitigation bank, wetlands may be created onsite and, if so, shall have an equal or higher functional value than those wetlands affected by the project (known as in-kind replacement). If wetlands cannot be created in-kind and onsite, other alternatives shall include off-site and/or out-of-kind. In any case, mitigation requirements for wetland areas that are not avoided shall be that all impacted wetlands are replaced at a minimum 1:1 ratio (for each square foot of impact, one square foot of wetland would be restored/created) or at a ratio determined by the RWQCB and Corps at the time permits are issued. Mitigation requirements would be based upon the existing conditions of the wetlands impacted. Where practicable, wetland plant/animal populations shall be relocated from the wetlands that would be impacted to any re-created wetlands. Topsoils shall also be removed from wetlands that would be impacted if practicable, and placed into the re-created wetlands. These topsoils would contain a seed bank of the impacted plant species which would germinate with fall/winter hydration of the re-created wetlands. If wetlands are restored/created, adequate compensation shall include a suitable location that would aid in meeting the following performance standards: 1. Restored/created wetlands shall remain inundated or saturated for sufficient duration to support a predominance of hydrophytic vegetation. 2. Restored/created wetlands shall exhibit plant species richness and cover comparable to existing wetlands (excluding non-native and/or weedy plant species). 3. Restored/created wetlands shall replace the lost wetlands at a minimum ratio of one acre created for each acre, or fraction thereof, permanently impacted. 4. The applicant shall provide for the protection of the mitigation areas in perpetuity, either through deed restrictions or conservation easements.				

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UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.6 Biological Resources (cont.)				
5. The applicant shall establish a five-year program to monitor the progress of the wetland mitigation toward these standards. At the end of each monitoring year, an annual report shall be submitted to the City, the RWQCB, and the USACE. This report shall document the hydrological and vegetative condition of the mitigation wetlands, and shall recommend remedial measures as necessary to correct deficiencies. **Less than significant** impact after implementation of Mitigation Measure BIO-2.				
BIO-3: ***Project Specific Measures*****.** The project applicant shall implement Measures BIO-1a through BIO-1d, and BIO-2. These measures would ensure that the project's contribution to cumulative biological resource impacts would be **less than significant**.	See BIO-1a through BIO-1d and BIO-2	See BIO-1a through BIO-1d and BIO-2	See BIO-1a through BIO-1d and BIO-2	See BIO-1a through BIO-1d and BIO-2
4.7 Cultural Resources				
CULTURAL-1: The applicant and/or project contractors shall halt work if archaeological resources are discovered during ground-disturbing activities. If cultural resources are encountered, all activity in the vicinity of the find shall cease until the resources can be evaluated by a qualified archaeologist and a Native American representative. Prehistoric archaeological materials might include obsidian and chert flaked-stone tools (e.g., projectile points, knives, scrapers) or toolmaking debris; culturally darkened soil ("midden") containing heat-affected rocks, artifacts, or shellfish remains; and stone milling equipment (e.g., mortars, pestles, handstones, or milling slabs); and battered stone tools, such as hammerstones and pitted stones. Historic-period materials might include stone, concrete, or adobe footings and walls; filled wells or privies; and deposits of metal, glass, and/or ceramic refuse. If the archaeologist and Native American representative determine that the resources may be significant, they shall notify Union Pacific and shall develop an appropriate treatment plan for the resources. The archaeologist shall consult with Native American representatives in determining appropriate treatment for prehistoric or Native American cultural resources. Contract specifications shall address these requirements. In considering any suggested mitigation proposed by the archaeologist and Native American representative, the applicant shall determine whether avoidance is necessary and feasible in light of factors such as the nature of the find, project design, costs, and other considerations. If avoidance is infeasible, other appropriate measures (e.g., data recovery) shall be instituted. Work may proceed in other parts of the project site while mitigation for cultural resources is being carried out.	Verification by County, as needed	Union Pacific and construction contractors	Qualified archaeologist and Native American representative, with verification provided to San Joaquin County Community Development Department as applicable	During ground disturbing activities

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Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.7 Cultural Resources (cont.)				
Less than significant impact after implementation of Mitigation Measure CULTURAL-1.				
CULTURAL-2: The applicant and project contractors shall halt work if human remains are identified during construction. If human remains are uncovered during project construction, work should immediately halt within 50 feet of the find. The applicant shall contact the San Joaquin County coroner to evaluate the remains and follow the procedures and protocols set forth in Section 15064.5 (e)(1) of the CEQA Guidelines. If the County coroner determines that the remains are Native American, the Native American Heritage Commission (NAHC) shall be contacted in accordance with Health and Safety Code Section 7050.5, subdivision (c), and Public Resources Code 5097.98 (as amended by AB 2641). The NAHC would then identify a Most Likely Descendent of the deceased Native American, who would engage in consultation to determine the disposition of the remains. Contract specifications shall address these requirements. **Less than significant** impact after implementation of Mitigation Measure CULTURAL-2.	Verification by County, as needed	Union Pacific and construction contractors	San Joaquin County coroner and Native American Heritage Commission, with verification provided to San Joaquin County Community Development Department as applicable	During ground disturbing activities
CULTURAL-3: The applicant and project contractors shall halt work if paleontological resources are identified during construction. If paleontological resources, such as fossilized bone, teeth, shell, tracks, trails, casts, molds, or impressions are discovered during ground-disturbing activities, all ground disturbing activities within 50 feet of the find shall be halted until a qualified paleontologist can assess the significance of the find and, if necessary, develop appropriate salvage measures in consultation with the project sponsor and in conformance with Society of Vertebrate Paleontology Guidelines (SVP, 1995; SVP, 1996). Contract specifications shall address these requirements. **Less than significant** impact after implementation of Mitigation Measure CULTURAL-3.	Verification by County, as needed	Union Pacific and construction contractors	Qualified paleontologist, with verification provided to San Joaquin County Community Development Department as applicable	During ground disturbing activities
CULTURAL-4: The project applicant shall implement Mitigation Measures CULTURAL-1 through CULTURAL-3. These measures would ensure that the project's contribution to cumulative cultural resource impacts would be **less than significant**.	See CULTURAL-1 through CULTURAL-3	See CULTURAL-1 through CULTURAL-3	See CULTURAL-1 through CULTURAL-3	See CULTURAL-1 through CULTURAL-3
4.8 Geology and Soils				
None.				

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UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.9 Hazards and Hazardous Materials				
HAZARDS-1a: The project applicant shall require, through the enforcement of contractual obligations, that all contractors transport, store, and handle construction-related hazardous materials utilized in connection with construction at the project site as required by applicable law. Additionally, the project applicant shall provide a site-specific spill response plan for the project area as required by applicable law, prior to the issuance of construction permits, which shall be submitted by the applicant in support of the construction permits. During project construction, the project applicant shall require, through the enforcement of contractual obligations, that all contractors adhere to the requirements and measures described in the site specific spill response plan. The site-specific spill response plan shall include, at minimum, the following measures and requirements: • The manufacturers' recommendations and federal, state, and local requirements shall be followed for use, storage, and disposal of chemical products used for construction, including fuels, lubricants, solvents, paints, and other potentially hazardous materials. • All refueling and maintenance activities shall occur at a dedicated area that is equipped with containment improvements and readily available spill control equipment and products or, in the case of Direct-to-Locomotive ("DTL") fueling, where locomotives are fueled throughout the yard by fuel delivery trucks, or other instances in which mobile fueling or maintenance occurs, the site specific spill response plan shall include plan elements to respond to any spills arising from DTL or other mobile fueling or maintenance. • Overtopping of construction equipment fuel gas tanks shall be avoided. • During routing maintenance of construction equipment, site operators shall properly contain and remove grease, oils, and antifreeze. • Discarded or waste containers of fuels and other chemicals shall be properly disposed of, in accordance with federal, state, and local requirements. • Construction related hazardous materials and wastes shall be stored away from stream channels, canals, other waterways, and steep banks, in order to prevent these materials from entering into surface waters in the event of accidental release. • All precautions required by the Central Valley Regional Water Quality Control Board (CVRWQCB)-issued construction activity stormwater NPDES permits shall be implemented and adhered to.	Verification by County	Union Pacific and construction contractors	San Joaquin County Environmental Health Dept.	During project construction activities

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UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.9 Hazards and Hazardous Materials (cont.)				
• In the event of a spill, the project applicant shall ensure, through the enforcement of contractual obligations, that all contractors immediately control the source leak and immediately contain any spill using appropriate spill containment and countermeasures. All contaminated media shall be collected and disposed of at an offsite facility approved to accept such media. In the event of a spill, the project applicant shall require that all contractors or other site workers immediately control the source leak and immediately contain any spill using appropriate spill containment and countermeasures. All contaminated media shall be collected and disposed of at an offsite facility approved to accept such media, consistent with federal, state, and local requirements.				
HAZARDS-1b: The project applicant or their designated construction contractor shall prepare a Hazardous Materials Management Plan (HMMP) for construction of each phase of the project. The HMMP shall be completed prior to issuance of construction permits for the proposed project at each phase, and shall be submitted in support of required construction permits prior to their issuance. The HMMP shall provide for the safe storage, containment, and disposal of chemicals and hazardous materials related to or used during construction, including waste materials. Adherence to the measures and provisions provided in the HMMP shall be made a condition of contractual obligations for construction of each of the two phases of construction. It shall be available for review by construction inspectors, and implementation of compliance measures shall be monitored by the applicant. The plan shall include, but shall not be limited to, the following: • A description of all hazardous materials and hazardous wastes that would be utilized or located on site during the construction period; • Handling, transport, treatment, and disposal procedures, compliant with manufacturer recommendations and federal, state, and local requirements, shall be documented and adhered to for each hazardous material or hazardous waste; • Preparedness, prevention, contingency, and emergency procedures shall be included for each chemical or category of chemical that would be stored or utilized on site; • Personnel training including, but not limited to (1) recognition of existing or potential hazards resulting from accidental spills or other releases; (2) implementation of evacuation, notification, and other emergency	Verification by County	Union Pacific and construction contractors	San Joaquin County Environmental Health Dept. and Community Development Dept.	Prior to issuance of construction permits for each phase

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Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.9 Hazards and Hazardous Materials (cont.)				
response procedures; (3) management, awareness, and handling of hazardous materials and hazardous wastes, as required by the level of personnel responsibility; • Provisions for materials safety data sheets (MSDS) to be kept onsite and readily accessible for each onsite hazardous chemical; • Equipping of hazardous materials storage areas, including temporary storage areas, with secondary containment sufficient in size to contain the volume of the largest container or tank; and • Equipment maintenance procedures to minimize leaks and other potential chemical releases associated with equipment usage. **Less than significant** impact after implementation of Mitigation Measure HAZARDS-1a through HAZARDS-1b.				
HAZARDS-2: Prior to the initiation of construction activities within the area containing the former Cal Suprema Cheese facility wastewater ponds, the project applicant shall ensure the completion of remediation of soils conditions within such ponds under the regulatory oversight of the Regional Water Quality Control Board (“RWQCB”). Soils conditions shall be sufficiently characterized and remediation of soils conditions shall be performed as determined and approved by the RWQCB. **Less than significant** impact after implementation of Mitigation Measure HAZARDS-2.	Verification by County	Union Pacific	Regional Water Quality Control Board, with verification provided to San Joaquin County Community Development Department as applicable by UP	Prior to construction activities involving the former Cal Suprema Cheese facility wastewater ponds
HAZARDS-3: The project applicant shall ensure, through the enforcement of contractual obligations during construction activities, that construction, staging areas, welding areas, areas where spark-producing equipment would be used, or areas slated for development shall be cleared of dried vegetation or other materials that could serve as fuel for a fire. Clearing of vegetation in areas of high fire danger such as dry grasslands or natural chaparral plant communities shall be performed only with equipment fitted with spark arresters and kept in good working order. A fire break shall be maintained free of combustible vegetation, and combustible construction materials such as wood, fuels, and other flammable items shall be stored inside the fire break area and away from other flammable or combustible materials. All construction equipment that normally includes a spark arrester shall be equipped with a functioning spark arrester. This includes, but is not limited to, vehicles, heavy equipment, and chainsaws. All work crews and maintenance/operations crews shall be required to carry and be trained in the use of sufficient fire suppression equipment so	Verification by County	Union Pacific and construction contractors	San Joaquin County Community Development Department	During project construction activities

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UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.9 Hazards and Hazardous Materials (cont.)				
that any fire resulting from construction or operations activities is immediately extinguished. The project applicant shall submit to the County, at the onset of construction and monthly thereafter during the construction period, documentation describing how each of the fire protection measures indicated above is being implemented/was implemented during the preceding month, noting any deficiencies. Reports shall be submitted to County staff on or prior to the 10th calendar day of each month, during the construction period. **Less than significant** impact after implementation of Mitigation Measure HAZARDS-3.				
HAZARDS-4: The applicant shall implement Mitigation Measures HAZARDS-1 through HAZARDS-3 to reduce the project's incremental cumulative impact. **Less than significant** impact after implementation of Mitigation Measure HAZARDS-1 through HAZARDS-3.	See HAZARDS 1-3.	See HAZARDS 1-3.	See HAZARDS 1-3.	See HAZARDS 1-3.
4.10 Hydrology and Water Quality				
HYDRO-1: All basin areas that would be used as evaporation ponds for onsite industrial wastewater (stormwater and washdown from onsite facilities which has been treated by an AdvancedOil-Water Separator) shall meet all state and local requirements for evaporation pond liners. Additionally, ponds shall be double-lined with impermeable material and fitted with an automatic leak detection system between the two layers of impermeable material. Monitoring for leak detection shall be completed (automatically) on a continuous basis throughout the duration of project operations. In the event that a leak is detected, the project applicant shall ensure that the pond is drained and the liner repaired prior to continuance of use. The project applicant shall ensure that continued use of the evaporation pond, in the event of a leaking liner, is explicitly prohibited until the liner is repaired. In the event of a liner material failure, UP shall notify its Response Management Communications Center (RMCC) who will in turn contact the appropriate response and regulatory agencies, such as the Environmental Protection Agency, the Regional Water Quality Board, Office of Emergency Services, and/or the National Response Center, or take such other action as is required by applicable law. **Less than significant** impact after implementation of Mitigation Measure HYRDO-1.	Verification by County	Union Pacific, working with San Joaquin County and Regional Water Quality Control Board	San Joaquin County Community Development Department and Public Works Department	Prior to operation of onsite ponds and during project operations

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Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.10 Hydrology and Water Quality (cont.)				
HYDRO-2: The applicant shall ensure that a comprehensive onsite grading, drainage, and erosion control plan (drainage plan) for the project is prepared by a certified engineer. The applicant shall submit the drainage plan to the San Joaquin County Public Works Department for approval, and ensure that all recommendations of the drainage plan are implemented. The drainage plan shall include all facilities included in the project. The drainage plan shall include design specifications for all stormwater control facilities proposed for the project site, including stormwater retention ponds and stormwater collection and conveyance facilities. Facilities shall be designed to infiltrate, retain, or otherwise channel runoff away from areas of open soil and other features subject to erosion or flooding in accordance with County requirements. County approval of the drainage plan shall be verified prior to issuance of grading or building permits. **Less than significant** impact after implementation of Mitigation Measure HYRDO-2.	Verification by County	Union Pacific	San Joaquin County Public Works Department	Prior to grading permit
HYDRO-3: The project applicant shall implement Mitigation Measures HYDRO-1 and 2. These measures would ensure that the project's contribution to cumulative hydrology and water quality impacts would be **less than significant**.	See HYDRO 1 and 2.	See HYDRO 1 and 2	See HYDRO 1 and 2	See HYDRO 1 and 2
4.11 Public Services				
None.				
4.12 Utilities and Service Systems				
UTILITIES-1: Implement Mitigation Measure HYDRO-1. **Less than significant** impact after implementation of Mitigation Measure HYRDO-1.	See HYDRO-1	See HYDRO-1	See HYDRO-1	See HYDRO-1
UTILITIES-2: An addendum to the previous soil suitability/nitrate loading study for the project site (October 1993) incorporating proposed staff and customer use for the expansion of the existing intermodal facility shall be submitted to the Environmental Health Department, indicating that the area is suitable for septic system usage. The study must be approved by the Environmental Health Department prior to issuance of building permits. The sewage disposal system shall comply with the on-site sewage standards of San Joaquin County prior to approval. A percolation test that meets absorption rates of the manual of septic tank practice or the U.S. Environmental Protection Agency (EPA) Design Manual for on-site wastewater treatment and disposal system is required.	Verification by County	Union Pacific	San Joaquin County Environmental Health Dept.	Prior to issuance of building permit or expansion of the septic system

MITIGATION MONITORING AND REPORTING PROGRAM
UNION PACIFIC EXPANSION AND MODERNIZATION PROJECT (Continued)

Mitigation Measures and Statements of Findings of Impacts Being Significant and Unavoidable	Monitoring/ Reporting Action	Responsible Party for Providing Mitigation	Monitoring/Reporting Responsibility	Timing
4.12 Utilities and Service Systems (cont.)				
Less than significant impact after implementation of Mitigation Measure UTILITIES-2.				
UTILITIES-3: Implement Mitigation Measure HYDRO-2. **Less than significant** impact after implementation of Mitigation Measure HYRDO-2.	See HYDRO-2	See HYDRO-2	See HYDRO-2	See HYDRO-2
UTILITIES-4: The project applicant shall implement Mitigation Measures UTILITIES-1 through UTILITIES-3. These measures would ensure that the project's contribution to cumulative impacts on wastewater treatment and stormwater drainage facilities would be **less than significant**.	See UTILITIES 1-3	See UTILITIES 1-3	See UTILITIES 1-3	See UTILITIES 1-3

APPENDIX A

Air Quality Technical Memo

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September 11, 2012

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Memo to: San Joaquin County Community Development Department

From: Allan Daly *Allan Daly*

Subject: Revisions to the Air Quality and Greenhouse Gases Section of the Union Pacific Lathrop Rail Yard Expansion and Modernization Project DEIR (SCH No. 2010082016)

Introduction and Purpose

Since the release of the Union Pacific Lathrop Rail Yard Expansion and Modernization Project Draft EIR (DEIR) in September 2011, several developments have occurred that warrant the recalculation of the emissions rates for certain, limited project emission sources. These developments are summarized below.

- The applicant has further evaluated, and concluded, that the inclusion of electric infrastructure for transportation refrigeration units (TRUs) is a feasible design feature capable of reducing project criteria pollutant and Diesel particulate matter (DPM) emissions. The inclusion of electric "reefer racks" at the rail yard will eliminate emissions of criteria pollutants and DPM from this source category in future project operational years.

- At the time the DEIR's Air Quality and Greenhouse Gases analysis was being completed, CARB had proposed amendments to the *Regulation to Control Emissions from In-Use On-Road Diesel Fueled Heavy Duty Drayage Trucks*[1] (the "Drayage Truck Rule") and the *Regulation to Reduce Emissions of Diesel Particulate Matter, Oxides of Nitrogen, and Other Criteria Pollutants from In-Use On-Road Diesel-Fueled Vehicles*[2] (the "On-Road Rule"). The DEIR analysis was based on the "15-day changes" version of these rules released prior to the December 17, 2010 Board meeting. At that meeting, the Board directed staff to modify the proposed amendments to those rules to reverse a proposed relaxation to the Drayage Truck Rule. CARB staff completed the Board-directed modifications through the 15-day change process, and the modified regulatory proposal was finalized on November 9, 2011. The changes between the originally proposed version of the rules (November 2010) and the final approved version (November 2011) affect the assumptions and emission calculations for the project's drayage trucks.

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[1] 13 CCR § 2027
[2] 13 CCR § 2025

- At the time the DEIR's Air Quality and Greenhouses Gases analysis was being completed, the approved version of CARB's on-road emissions modeling software was EMFAC2007. On September 19, 2011, CARB released EMFAC2011, replacing the 2007 version on which the DIER's analysis was based. EMFAC2011 included new vehicle categories for drayage trucks that aim to more accurately calculate emissions from ports and intermodal rail yards compared to EMFAC2007, including the effects of the rulemaking efforts described above that were pending at the time the model was released.

- Since the time the DEIR's Air Quality and Greenhouse Gases analysis was completed, the applicant has collected several additional calendar quarters of data pertaining to "unregistered" drayage trucks visiting the rail yard. Drayage trucks that are not registered in CARB's Drayage Truck Registry (pursuant to the Drayage Truck Rule) must be recorded and reported to CARB on a quarterly basis. These data are useful for determining the noncompliance rate of drayage trucks visiting the rail yard. These trucks are neither owned by, nor under the direct control of, the applicant. The rate of noncompliance with the Drayage Truck Rule is an important factor in determining the project's air quality impacts in future years relative to the baseline year.

- Since the time of the DEIR's Air Quality and Greenhouse Gases analysis, the U.S. Environmental Protection Agency (EPA) released a revised version of the AERMOD dispersion model (version 12060). The updated version of AERMOD includes several "bug fixes" and enhancements over the previous version.[3]

Scope of Changes

Due to the above developments, two key analyses performed in the DEIR's Air Quality and Greenhouse Gases section have been updated. The first update involves the recalculation of the project's TRU and drayage truck mass emissions during operation. As discussed below, emissions of criteria pollutants, greenhouse gases, and DPM have been recalculated from these sources only, and the project's overall baseline and future year emissions have been recalculated accordingly. The San Joaquin Valley Air Pollution Control District's (SJVAPCD's) mass-based thresholds of significance have been applied to the revised emissions totals.

The second update involves the recalculation of the project's health risks as a result of an update of the screening level health risk assessment (HRA). As discussed below, the carcinogenic and acute health risks associated with project DPM emissions have been recalculated with the elimination of Diesel-engine powered TRU emissions in future operating years, and with a revised DPM emission rate for drayage trucks operating within and near the rail yard boundaries. The SJVAPCD's risk-based thresholds have been applied to the revised screening-level HRA results.

[3] See AERMOD Model Change Bulletin #7 – Version Date 12060, Available at URL: http://www.epa.gov/ttn/scram/dispersion_prefrec.htm, Accessed June 12, 2012.

The updated analyses do not recalculate emissions from any other project sources other than drayage trucks and TRUs. Specifically, the emission calculations pertaining to construction activities, line-haul locomotives, switch locomotives, delivery trucks, direct-to-locomotive fueling trucks, cargo handling equipment, storage tanks, road dust, emergency generators, employee vehicles, architectural coatings, and landscaping equipment remain unchanged.

Update of Project Emission Estimates

Transportation Refrigeration Units (TRUs)

As described in the DEIR (p. 4.3-41), current rail yard operations include the emissions of internal combustion engines powering TRUs on refrigerated rail cars. These engines are typically Diesel fueled and certified to CARB and EPA off-road/nonroad emission standards. Additionally, these engines are subject to CARB's *Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate*[4] (TRU ATCM). The project's baseline (2010) emissions included emissions from 21 total TRUs, each operating within the rail yard for four hours each day. Upon operation of Phase 1 (2013), this number was predicted to increase to 31 TRUs, further increasing to 57 TRUs upon operation of Phase 2 (2021 and beyond).

Since release of the DEIR, the applicant has further evaluated the inclusion of electric TRU infrastructure (i.e., "reefer racks") as a mitigating design feature of the project. This option was originally evaluated as "Technical Option 16" in the DEIR (p. 4.3-52) and deemed infeasible due to the requirement to redesign the rail yard to include a dedicated TRU area, and the low potential emission reductions reported by CARB. However, after reviewing the project's operational emissions relative to baseline, it was concluded that eliminating TRUs would reduce the facility's NOx emissions by 5.37 TPY in 2013 and 9.81 TPY in 2021 and beyond, thus contributing to the elimination of all project NOx increases compared to the baseline year (See Tables 4.3-9 and 11 on pp. 4.3-44 through 46). Additionally, the electric reefer racks will eliminate DPM emissions from this source category and therefore will reduce project health risk impacts.

Due to the above benefits, the applicant has agreed to include a dedicated area for electric TRU infrastructure. Initially, reefer racks with a capacity to handle 40 TRUs will be installed at the project, which will provide adequate capacity to handle the entire project's refrigerated containers after the Phase I capacity increase. In 2021, additional reefer racks will be added if warranted by the demand for refrigerated container handling at the facility. Additional reefer racks will be added such that at no point will Diesel-fueled TRUs be operated at the facility solely due to the lack of electrical infrastructure capacity.

[4] 13 CCR § 2477

Drayage Trucks

Drayage Truck Rule and On-Road Rule Regulatory Changes – As described under the Introduction and Purpose heading above, the Drayage Truck Rule and the On-Road Rule have been modified by CARB since the emissions from project Drayage Trucks were first calculated. The original analysis was based on the 15-day Proposed Regulation Order released at the December 17, 2010 Board meeting,[5] which (among other things) proposed the following emission standards for drayage trucks with a gross vehicle weight rating of greater than 33,000 pounds:

- By December 31, 2009, all pre-1994 model year (MY) engines must be retired;
- By December 31, 2009, all 1994-2003 MY engines must be equipped with a level 3 Verified Diesel Emissions Control System (VDECS);
- After December 31, 2011, all 2004 MY engine must be equipped with a level 3 VDECS; and
- After December 31, 2012, all 2005-2006 MY engines must be equipped with a level 3 VDECS.

Additionally, the Drayage Truck Rule contained sunset provisions in 2017, after which date the requirements of the On-Road Rule would be required. The requirements of the On-Road Rule would have applied to drayage trucks as follows:

- By January 1, 2020, all 1996–1999 MY engines meet MY 2010 standards[6];
- By January 1, 2021, all 2000–2004 MY engines must meet MY 2010 standards;
- By January 1, 2022, all 2005–2006 MY engines must meet MY 2010 standards; and
- By January 1, 2023, all engines must meet MY 2010 standards.

The above changes were considered a relaxation of the previous version of the Drayage Truck Rule because they eliminated the "Phase 2" requirement to replace all older MY engines with 2007+ MY engines by December 31, 2013. Several drayage truck owners provided testimony opposing the relaxation on the basis that they had already sold older trucks and acquired MY 2007+ replacements in anticipation of the pre-2007 MY phase-out. The Board concurred with these drayage truck owners and directed staff to reinstate the original Phase 2 requirement. In accordance with the Board's direction, CARB staff modified the Drayage Truck Rule and On-Road Rule such that the Drayage Truck Rule would not sunset until 2023. These changes were finalized and became effective on

[5] Available at URL: http://www.arb.ca.gov/regact/2010/truckbus10/reso1045attach.pdf, Accessed June 12, 2012.
[6] The requirements of these two rules are written such that engines must "meet" 2007 and 2010 MY emission standards. As there is no practical way for older MY engines to meet these standards, the requirements are a de facto phase-out of pre-2007 MY and pre-2010 MY engines, respectively.

October 26, 2011. The effect of these changes was to effectively eliminate the 2020, 2021, and 2022 requirements above, and to reinstate the Phase 2 requirement, as follows:

- After December 31, 2013, all drayage trucks engines must meet MY 2007 standards.

This regulatory change affects the future year (2012, 2021, and 2035) emission calculations for drayage trucks. Under the original regulatory proposal (on which the DEIR analysis was based), owners of 1994-2006 MY drayage trucks would have been able to retain those vehicles through 2022 if a VDECS retrofit had been performed. Under the final revised amendments, a VDECS retrofit would result in compliance only through 2013, after which an engine or vehicle replacement would be required. Due to this change, drayage truck owners would not be expected to install VDECS in large numbers, instead opting to retain their 1994-2006 trucks up to the respective retirement dates, and then replacing them with 2007+ MY trucks.

Use of EMFAC2011 Emission Factors – Noting the above regulatory changes, the EMFAC2011 software was run to determine the MY distribution and emission factors for drayage trucks visiting the project during the baseline calendar year (CY 2010) and three analysis years (CY 2013, CY 2021, and CY 2035). In EMFAC2011, several new heavy heavy-duty truck categories were created. These are "T7 POLA" (representing drayage trucks visiting the Ports of Los Angeles and Long Beach), "T7 POAK" (representing drayage trucks visiting the Port of Oakland), and "T7 other port" (representing drayage trucks operating at other locations in California). This final category is intended to represent the project's drayage trucks, and was used for the recalculation of emissions.

Corresponding with the regulatory deadlines of the above two rules, drayage trucks were grouped into the following MY categories:

- Pre-1994;
- 1994-2003;
- 2004;
- 2005-2006;
- 2007-2009; and
- 2010+.

The vehicle miles traveled (VMT)-weighted MY distribution of the above groupings was analyzed to determine how EMFAC2011 was predicting phase-in of the new Drayage Truck Rule requirements. This phase-in is depicted in Figure 1, along with the respective Drayage Truck Rule and On-Road Rule requirements.

Figure 1
EMFAC2011 Model Year Distribution for "Other Port Trucks"

The above phase-in scenario (as predicted by EMFAC2011) was found to have several shortcomings and therefore deemed not be an accurate predictor of past or future MY distributions. Outlined below are specific features of the above phase-in scenario that were found to be inaccurate.

- By CY 2010, all pre-1994 MY trucks were removed from the fleet, and 85% of the drayage truck fleet consisted of 1994-2003 MY trucks equipped with VDECS. This is not an economically realistic assumption because it presumes that owners of 1994-2003 trucks would elect to retrofit these trucks with VDECS with the knowledge that the trucks would be retired just four years later.

- In CY 2012, all MY 2004 trucks are equipped with VDECS retrofits (only to be retired two years later); this is not an economically realistic assumption.

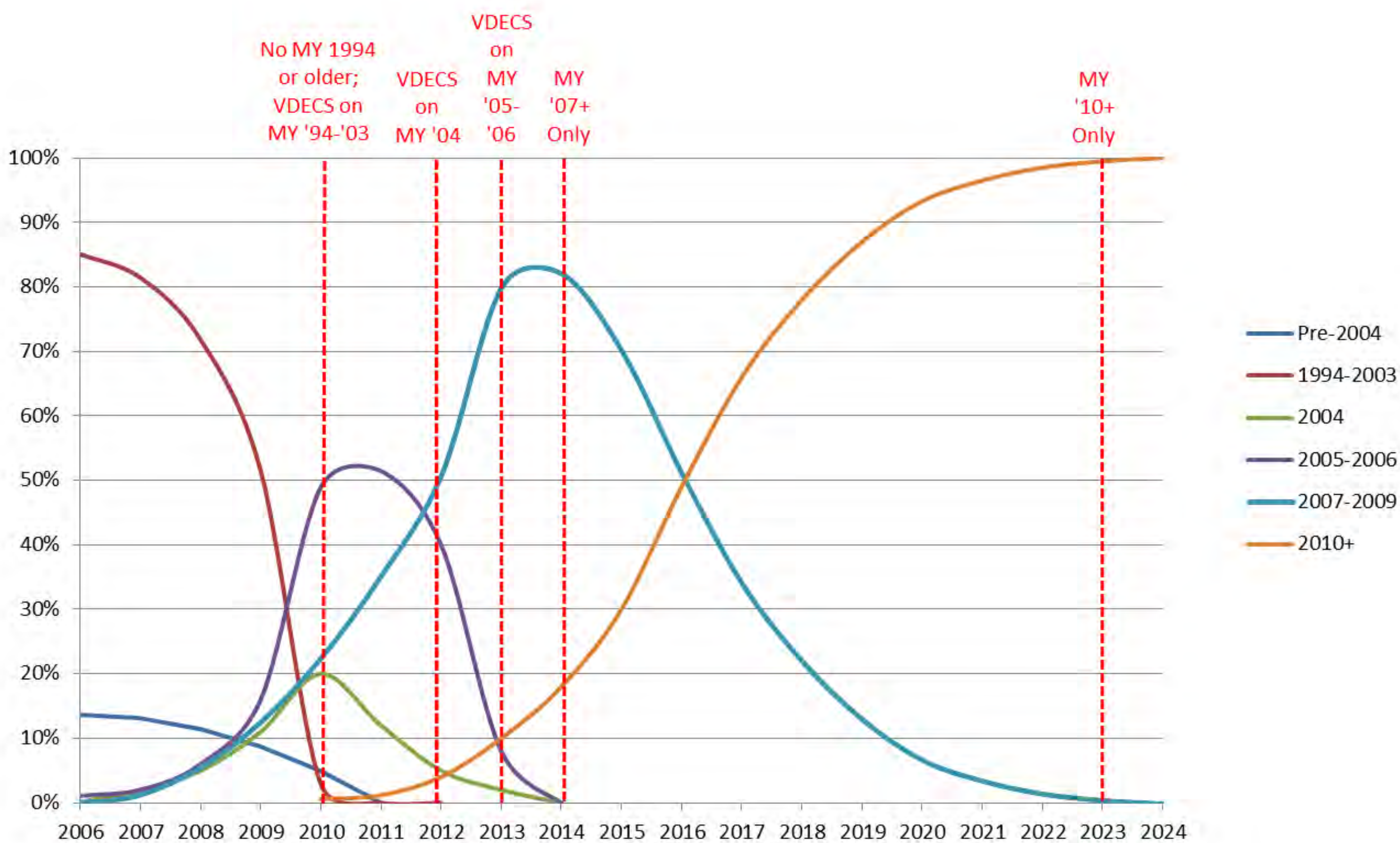
- In CY 2013, all MY 2005 trucks will be equipped with VDECS retrofits (only to be retired the following year); this is not an economically realistic assumption.

- From CY 2007–2012, MY 2007 technology trucks barely penetrate the fleet, followed by a sudden jump to 85% of the fleet by CY 2014; this is not an economically realistic assumption, as it is unlikely that truck fleet owners would be able to invest in significant truck/engine replacements within one or two years.

- From CY 2014–2022, the percentage of MY 2010+ trucks remains static (and even declines slightly), followed by a dramatic turnover from 13% to 100% by CY 2023.

To make these assumptions more realistic, a revised MY distribution was developed by Sierra Research that more accurately predicts the phase-in of the Drayage Truck Rule and On-Road Rule requirements. This alternate distribution is shown in Figure 2.

Figure 2
Revised EMFAC2011 Model Year Distribution for Project Drayage Trucks



The revised MY distribution was derived using the data points summarized below.

- CY 2006 age distribution from Figure II-5 from Appendix B of the Technical Support Document[7] for the original adoption of the Drayage Truck Rule. This age distribution was based on license plate data correlated with DMV records collected in 2006.

[7] CARB Technical Support Document, Regulation to Control Emission from In-Use On-Road Diesel-Fueled Heavy Duty Drayage Trucks, Appendix B, October 2007, Available at URL: http://www.arb.ca.gov/regact/2007/drayage07/appbf.pdf, Accessed June 12, 2012.

- CY 2010 phase-out of pre-MY 2004 engines, with the exception of an 8% noncompliance rate as calculated from UPRR's 2010 Drayage Truck Report and gate count data (described in further detail below).

- CY 2010 redistribution of MY 2004, MY 2005–2006, and MY 2007–2009 groups based on normalized age distributions, considering phase-in dates, number of MYs in grouping, and Drayage Truck Rule phase-out dates.

- CY 2014 phase out of 2004 and 2005–2006 MY groupings. Approximately 10% of these vehicles were assumed to have VDECS upon phase-out.

- CY2014 and later phase-in of MY 2010+ based on typical "S" shaped penetration curve and a 2023 phase-out date for the MY 2007-2009 grouping.

A primary assumption in the revised MY distribution shown in Figure 2 is that drayage truck owners will elect to replace their 1994-2006 MY trucks with 2007 and newer MY trucks rather than installing VDECS. Sierra Research has performed compliance planning for numerous fleets subject to both the Drayage Truck Rule and the Truck and Bus Rule, and has found that in nearly all cases, replacements are performed instead of VDECS retrofits. Owners have repeatedly informed Sierra Research that it is illogical for them to retrofit such vehicles because the cost of the VDECS oftentimes approaches or exceeds the resale value of the truck. Overwhelmingly, owners faced with such a decision choose to sell the aging vehicle and purchase either a used 2007 MY or new 2010 MY technology truck. This decision is chiefly influenced by lower operating and maintenance costs, fewer or no encumbrances due to the CARB fleet rules, and other key asset management factors.

Calculation of Noncompliance Rate with the Drayage Truck Rule – A key parameter in the above MY distribution is the noncompliance rate with the Drayage Truck Rule during the baseline year of CY 2010 and, additionally, whether noncompliance is predicted to persist in CY 2013 year and beyond. The actual noncompliance rate in 2010 was estimated using the Lathrop rail yard's quarterly Drayage Truck Reports submitted to CARB in that year. The Drayage Truck Rule requires that the applicant collect data and submit quarterly reports to CARB of each truck entering the Lathrop rail yard that is included in the Drayage Truck Registry.[8] Unregistered drayage trucks either do not comply with the emission requirements of the Drayage Truck Rule (and hence cannot be registered), or do comply with the emission requirements but are unregistered due to an administrative oversight.

Upon implementation of Drayage Truck Rule, the applicant recorded and reported a large number of unregistered drayage trucks. This number has steadily declined from over 14,100 trucks per quarter during the first quarter of 2010 to only one truck during the first quarter of 2012. The reason for the decline is due to both an increase in the compliance rate with the rule's emission standards, and an increase in the administrative compliance rate with regard to registration/labeling of compliant trucks. Trucks in the former category increased the facility's emissions during the baseline year in the amount of their excess emissions, whereas trucks in the latter category do not create excess emissions.

[8] Unregistered trucks are identified by failing to display a valid Drayage Truck Registry sticker.

To subtract the "emissions-compliant" trucks from the reported noncompliant total, a sample of reported trucks was cross checked against the current Drayage Truck Registry.[9] Trucks that were reported as unregistered in 2010 but are currently registered were subtracted from the total to determine the percentage of reported trucks (and ultimately the percentage of total trucks) that were emissions noncompliant. This process was repeated for each calendar quarter of 2010, 2011, and the first quarter of 2012. The results are shown in Table 1.

Table 1
Calculation of Noncompliance Rate with the Drayage Truck Rule

	2010 Q1	2010 Q2	2010 Q3	2010 Q4	2011 Q1	2011 Q2	2010 Q3	2011 Q4	2012 Q1
No. Gate Events	66,275	64,330	62,968	62,439	63,264	67,148	66,655	65,893	65,478
CARB-Reportable Gate Events	14,136	10,631	2,598	1,487	816	159	18	15	1
% Reported Trucks Not Registered	83%	81%	58%	53%	66%	53%	75%	50%	100%
No. of Noncompliant Trucks	11,780	8,625	1,499	793	539	84	14	8	1
Quarterly Noncompliance Rate	17.77%	13.41	2.38%	1.27%	0.85%	0.13%	0.02%	0.01%	0.00%
Annual Noncompliance Rate	**8.87%**				**0.25%**				**0.00%**

The data in Table 1 show that at the outset of CY 2010, about 17.8% of the trucks arriving at the Lathrop rail yard were emissions noncompliant. This percentage dropped sharply throughout CY 2010, such that during the final quarter, only 1.3% of trucks were emissions noncompliant. During CY 2011, the noncompliance rate dropped to nearly zero; during the first quarter of CY 2012, only a single unregistered truck was reported. These data suggest that compliance with the Drayage Truck Rule has dramatically improved, and now stands at 100%. With regard to the model year distribution calculated above, the 8.87% noncompliance rate in CY 2010 is reflected, as is the 0% noncompliance rate in CY 2012 and beyond.

Calculation of Revised Drayage Truck Trip Distance – In the DEIR Air Quality and Greenhouse Gases analysis, the distance that the project's drayage trucks travel was estimated using the average trip distance reported by EMFAC2007 for heavy-heavy-duty Diesel trucks operating within the San Joaquin Valley Air Basin in each respective analysis year. The updated EMFAC2011 model no longer relies on individual trip length data, and therefore these data are not extant in EMFAC2011. To determine the trip distance, the trip length between the rail yard and customers' origin and destination cities was calculated using a common trip-planning website.[10] The customer origin/destination

[9] Available at URL: https://arber.arb.ca.gov/publicDtrSearch.arb, Accessed June 15, 2012.
[10] URL: www.mapquest.com

cities were provided by the applicant, and were contained in the Traffic and Transportation section of the DEIR on page F-939. The distances to/from the 100 most frequent origin/destination cities were calculated, representing approximately 97% and 98% of the origin and destination cities, respectively. The remaining 2–3% of city distances was extrapolated from these data.

Two distances were calculated. The first distance was the VMT within the SJVAPCD, which is used for determining mass emissions of criteria pollutants for comparison against the SJVAPCD thresholds of significance. The second distance was the in-state VMT, which was used to report the project's California emissions of GHGs. These calculations show that the average round-trip VMT per drayage truck trip is 62.8 miles (in-basin) and 126.1 miles (in-state). This distance calculation is included in the attachment to this memo.

<u>Summary of Revised Emissions</u>

In addition to the above emission updates, one math error was discovered concerning the emissions of volatile organic compounds (VOC) from the project's storage tanks during the CY 2010 baseline year. This math error originally occurred in on Appendix page D-78 and failed to account for the existing storage tanks at the rail yard.

The revised project emissions incorporating the above changes are shown in Tables 2–5 below. As indicated, these tables replace Tables 4.3-8 through 4.3-11 (pp. 4.3-43 through 4.3-46) of the DEIR.

Table 2 (Replaces Table 4.3-8 of the DEIR)
Operational Emission – Baseline (2010)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	1.03	4.05	13.21	0.44	0.40	0.11	653	0.03	0.01	655
Line Haul – Regional	1.10	4.32	14.07	0.47	0.43	0.12	9,520	0.39	0.08	9,552
Switcher – Onsite	0.32	0.87	4.59	0.12	0.10	0.01	186	0.01	0.00	187
Drayage Trucks	~~14.15~~ 10.07	~~76.20~~ 46.74	~~206.18~~ 197.60	~~9.72~~ 10.04	~~8.18~~ 8.30	~~0.39~~ 0.30	~~39,607~~ 56,470	~~0.76~~ 2.52	~~0.39~~ 0.50	~~39,778~~ 57,041
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	1	0.00	0.00	1
Direct-to-Locomotive (DTL) Fueling	0.32	1.47	4.13	0.16	0.14	0.01	353	0.01	0.00	353
Cargo Handling Equipment	0.48	6.50	13.44	0.55	0.50	0.28	31,607	1.28	0.26	31,713
Transport Refrigeration Units[a]	1.64	3.88	3.63	0.41	0.37	0.04	533	0.02	0.00	642
Storage Tanks	~~0.00~~ 0.12	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~9.49~~ 7.87	~~2.37~~ 1.97	-	-	-	-	-
Emergency Generators[b]	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Employee Vehicles[c]	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Architectural Coatings[c]	0.00	-	-	-	-	-	-	-	-	-
Landscaping[c]	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
2010 Total	~~19.04~~ 15.07	~~97.30~~ 67.85	~~259.25~~ 250.67	~~21.37~~ 20.07	~~12.49~~ 12.20	~~0.95~~ 0.86	~~82,459~~ 99,322	~~2.49~~ 4.26	~~0.73~~ 0.85	~~82,881~~ 100,144

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
SO_x = Sulfur oxides
CO = Carbon monoxide
CO_2 = Carbon dioxide
NO_x = Oxides of nitrogen
CH_4 = Methane
PM_{10} = Respirable particulate matter
N_2O = Nitrous oxide
$PM_{2.5}$ = Fine particulate matter
CO_2e = Carbon dioxide equivalent

[a] Includes greenhouse gases (GHG) emissions in the form of refrigerant loss.
[b] This emission source is not currently present and therefore not included in the baseline.
[c] These emission sources are currently present but represent a small contribution to baseline emissions. Therefore, they were assumed to be zero for the baseline case, with all facility emissions (baseline plus project) being attributed to the project, as shown in Tables 4.3-9 through 4.3-11.

Table 3 (Replaces Table 4.3-9 of the DEIR)
Operational Emission – Project Phase 1 (2013)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	1.57	6.55	20.34	0.63	0.57	0.01	930	0.04	0.01	933
Line Haul – Regional	1.60	6.71	20.83	0.65	0.58	0.01	9,520	0.39	0.08	9,552
Switcher – Onsite	0.47	1.29	6.80	0.17	0.15	0.01	276	0.01	0.00	277
Drayage Trucks	~~16.89~~ 10.37	~~93.99~~ 49.41	~~216.25~~ 193.07	~~7.68~~ 4.78	~~8.40~~ 3.01	~~0.59~~ 0.44	~~60,618~~ 84,771	~~0.90~~ 3.79	~~0.59~~ 0.76	~~60,821~~ 85,627
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	5	0.00	0.00	5
Direct-to-Locomotive (DTL) Fueling	0.40	1.87	4.96	0.19	0.16	0.01	538	0.01	0.00	538
Cargo Handling Equipment	1.17	30.88	2.50	0.13	0.11	0.47	16,392	0.66	0.13	16,448
Transport Refrigeration Units[a]	~~2.44~~ 0.00	~~5.75~~ 0.00	~~5.37~~ 0.00	~~0.10~~ 0.00	~~0.09~~ 0.00	~~0.06~~ 0.00	~~789~~ 0	~~0.03~~ 0.00	~~0.01~~ 0.00	~~951~~ 0
Storage Tanks	0.13	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~14.57~~ 11.66	~~3.64~~ 2.92	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
2013 Total	~~25.35~~ 16.39	~~150.86~~ 100.53	~~277.86~~ 249.31	~~24.38~~ 18.48	~~13.79~~ 7.58	~~1.14~~ 0.94	~~89,407~~ 112,770	~~2.05~~ 4.92	~~0.82~~ 0.98	~~89,863~~ 113,719
2013 Total Less Baseline	**~~6.31~~ 1.32**	**~~53.56~~ 32.68**	**~~18.61~~ -1.37**	**~~3.01~~ -1.59**	**~~1.30~~ -4.62**	**~~0.19~~ 0.08**	**~~6,948~~ 13,448**	**~~-0.44~~ 0.66**	**~~0.09~~ 0.13**	**~~6,982~~ 13,575**
SJVAPCD Significance Threshold	**10**	**-**	**10**	**15**	**-**	**-**	**-**	**-**	**-**	**-**
Significant Impact?	**No**	**-**	**~~Yes~~ No**	**No**	**-**	**-**	**-**	**-**	**-**	**-**

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
SO_x = Sulfur oxides
CO = Carbon monoxide
CO_2 = Carbon dioxide
NO_x = Oxides of nitrogen
CH_4 = Methane
PM_{10} = Respirable particulate matter
N_2O = Nitrous oxide
$PM_{2.5}$ = Fine particulate matter
CO_2e = Carbon dioxide equivalent

[a] Includes greenhouse gases (GHG) emissions in the form of refrigerant loss.

Table 4 (Replaces Table 4.3-10 of the DEIR)
Operational Emission – Project Phase 2 (2021)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	0.94	7.44	15.62	0.41	0.37	0.01	605	0.02	0.00	607
Line Haul – Regional	0.96	7.62	15.99	0.42	0.38	0.01	8,484	0.34	0.07	8,513
Switcher – Onsite	0.47	1.29	5.73	0.06	0.06	0.00	276	0.01	0.00	277
Drayage Trucks	~~21.05~~ 18.36	~~126.05~~ 86.78	~~235.36~~ 192.00	~~8.42~~ 8.93	~~5.62~~ 5.70	~~1.01~~ 0.79	~~107,551~~ 82,487	~~1.15~~ 3.69	~~1.05~~ 0.74	~~107,810~~ 83,320
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	3	0.00	0.00	3
Direct-to-Locomotive (DTL) Fueling	0.22	1.35	2.75	0.10	0.08	0.01	599	0.01	0.00	600
Cargo Handling Equipment	2.09	55.29	4.48	0.22	0.20	0.83	21,410	0.87	0.17	21,482
Transport Refrigeration Units[a]	~~4.45~~ 0.00	~~10.49~~ 0.00	~~9.81~~ 0.00	~~0.03~~ 0.00	~~0.03~~ 0.00	~~0.11~~ 0.00	~~1,411~~ 0	~~0.06~~ 0.00	~~0.01~~ 0.00	~~1,736~~ 0
Storage Tanks	0.15	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~25.71~~ 21.18	~~6.43~~ 5.30	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	0
2021 Total	~~31.01~~ 23.88	~~213.34~~ 163.59	~~290.54~~ 237.38	~~35.64~~ 31.60	~~13.23~~ 13.20	~~1.97~~ 1.64	~~140,707~~ 114,202	~~2.47~~ 4.96	~~1.31~~ 0.99	~~141.366~~ 115,140
2021 Total Less Baseline	**~~11.98~~ 8.81**	**~~116.04~~ 95.74**	**~~31.29~~ -13.29**	**~~14.27~~ 11.53**	**~~0.74~~ -0.05**	**~~1.02~~ 0.78**	**~~58,248~~ 14,880**	**~~-0.02~~ 0.70**	**~~0.58~~ 0.14**	**~~58,484~~ 14,996**
SJVAPCD Significance Threshold	**10**	**-**	**10**	**15**	**-**	**-**	**-**	**-**	**-**	**-**
Significant Impact?	**~~Yes~~ No**	**-**	**~~Yes~~ No**	**No**	**-**	**-**	**-**	**-**	**-**	**-**

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
SO_x = Sulfur oxides
CO = Carbon monoxide
CO_2 = Carbon dioxide
NO_x = Oxides of nitrogen
CH_4 = Methane
PM_{10} = Respirable particulate matter
N_2O = Nitrous oxide
$PM_{2.5}$ = Fine particulate matter
CO_2e = Carbon dioxide equivalent

[a] Includes greenhouse gases (GHG) emissions in the form of refrigerant loss.

Table 5 (Replaces Table 4.3-11 of the DEIR)
Operational Emission – Project Phase 2 (2035)

Activity	VOC	CO	NOx	PM_{10}	$PM_{2.5}$	SOx	CO_2	CH_4	N_2O	CO_2e
	Tons Per Year						Metric Tons Per Year			
Locomotives										
Line Haul – Onsite	0.82	16.96	14.20	0.37	0.34	0.01	550	0.02	0.00	552
Line Haul – Regional	0.84	17.36	14.54	0.38	0.35	0.01	7,713	0.31	0.06	7,739
Switcher – Onsite	0.86	2.36	10.46	0.11	0.10	0.11	504	0.02	0.00	505
Drayage Trucks	~~17.97~~ 14.60	~~110.81~~ 70.32	~~202.99~~ 138.83	~~7.19~~ 8.93	~~4.83~~ 5.69	~~0.88~~ 0.78	~~90,812~~ 82,223	~~0.99~~ 3.68	~~0.88~~ 0.74	~~91,036~~ 83,053
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	2	0.00	0.00	3
Direct-to-Locomotive (DTL) Fueling	0.27	2.29	3.20	0.12	0.08	0.01	1,091	0.01	0.00	1,092
Cargo Handling Equipment	2.00	52.91	4.29	0.21	0.19	0.80	20,924	0.85	0.17	20,994
Transport Refrigeration Units[a]	~~4.45~~ 0.00	~~10.49~~ 0.00	~~9.81~~ 0.00	~~0.03~~ 0.00	~~0.03~~ 0.00	~~0.11~~ 0.00	~~1,411~~ 0	~~0.06~~ 0.00	~~0.01~~ 0.00	~~1,736~~ 0
Storage Tanks	0.15	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	~~21.66~~ 21.31	~~5.41~~ 5.33	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	0
2035 Total	~~28.03~~ 20.21	~~216.99~~ 166.01	~~260.28~~ 186.31	~~30.35~~ 31.71	~~11.41~~ 12.15	~~1.93~~ 1.73	~~123,376~~ 113,344	~~2.27~~ 4.90	~~1.14~~ 0.98	~~123,994~~ 114,276
2035 Total Less Baseline	**~~8.99~~ 5.14**	**~~119.69~~ 98.16**	**~~1.03~~ -64.36**	**~~8.98~~ 11.64**	**~~-1.09~~ -0.06**	**~~0.98~~ 0.87**	**~~40,916~~ 14,022**	**~~-.22~~ 0.64**	**~~0.40~~ 0.13**	**~~41,113~~ 14,133**
SJVAPCD Significance Threshold	**10**	**-**	**10**	**15**	**-**	**-**	**-**	**-**	**-**	**-**
Significant Impact?	**No**	**-**	**No**	**No**	**-**	**-**	**-**	**-**	**-**	**-**

NOTES:

SJVAPCD = San Joaquin Valley Air Pollution Control District
VOC = Volatile organic compounds
SO_x = Sulfur oxides
CO = Carbon monoxide
CO_2 = Carbon dioxide
NO_x = Oxides of nitrogen
CH_4 = Methane
PM_{10} = Respirable particulate matter
N_2O = Nitrous oxide
$PM_{2.5}$ = Fine particulate matter
CO_2e = Carbon dioxide equivalent

[a] Includes greenhouse gases (GHG) emissions in the form of refrigerant loss.

Update of Screening Level Health Risk Assessment

The updated project emissions likewise affect the DPM emission sources that were modeled as part of the screening level health risk assessment (HRA). Specifically, the DPM emission rates from drayage trucks traveling on and near the rail yard, from drayage trucks idling while onsite, and from TRUs have changed.

Additionally, upon review of the DEIR's DPM emission calculations, an error was noted with regard to direct-to-locomotive (DTL) delivery trucks, which modeled all DPM emissions from these trucks as occurring on/near the project site. This error, which appears on page D-46 of the Appendix, has been corrected so that DTL fueling truck traveling emissions are calculated based on 5.0 onsite VMT per fueling event rather than 67.7 onsite VMT per event. Also, the release height for the two new Diesel emergency generators was deemed to be unrealistically short, and was raised to 10 feet (3.05 meters).

The above changes are indicated in Table 6. No other changes to the modeling input or setup parameters were made. After these changes were made, the AERMOD dispersion model was re-run using the latest version (12060), which was released on February 9, 2012.

Table 6
AERMOD Dispersion Modeling Parameters and DPM Emission Rates

Source	Source Type	Source Parameters	Source Placement	70-Year Average DPM Emissions (g/s)		
				Baseline	With Project	Net Increase due to Project
Line Haul Locomotives - Travel	Volume	Day σz = 2.6 m σy = 20-50 m H = 5.6 m Night σz = 6.79 m σy = 20-50 m H = 14.6 m	Extended to 0.5 miles on either side of yard; Split mass emissions 50% between Day and Night with time-of-day option in AERMOD where day = hours 7-18; Source Spacing 50 m	1.41E-03	2.77E-03	1.36E-03
Line Haul locomotives - Idle	Point	H = 4.6 m D = 0.625 m V = 8.0 m/s T = 420 K	Located at each end of yard; Source spacing = 50 m	4.70E-03	9.15E-03	4.45E-03
Line Haul locomotives - Idle DTL	Point	H = 4.6 m D = 0.625 m V = 8.0 m/s T = 420 K	Located at each end of yard; Source spacing = 50 m	4.65E-04	1.04E-03	5.79E-04

Table 6
AERMOD Dispersion Modeling Parameters and DPM Emission Rates

Source	Source Type	Source Parameters	Source Placement	70-Year Average DPM Emissions (g/s) Baseline	With Project	Net Increase due to Project
Switcher Locomotives – Working	Volume	Day σz = 2.6 m σy = 20-50 m H = 5.6 m Night σz = 6.79 m σy = 20-50 m H = 14.6 m	Split mass emissions 50% between Day and Night with time-of-day option in AERMOD where day = hours 7-18; Source Spacing 50 m	1.53E-03	3.13E-03	1.61E-03
Switcher Locomotives – Idle DTL	Point	H = 4.6 m D = 0.625 m V = 7.5 m/s T = 342 K	Located at each end of yard; Source spacing = 50 m	1.65E-06	3.70E-06	2.05E-06
Delivery Trucks – Travel	Volume	σz = 1.39 m σy = 20-50 m H = 4.15 m	Loop along drive to maintenance building and IWTP area; extend 0.5 miles from entrance; Split equally along E/W Roth Road, Source spacing = 50 m onsite, 2x (road width + 6 m) offsite	3.61E-06	8.30E-06	4.69E-06
Delivery Trucks – Idle	Volume	σz = 1.39 m σy = 20-50 m H = 4.15 m	Grouped near Maintenance Building and IWTP Area, Source Spacing = 50 m	1.26E-07	1.98E-07	7.20E-08
DTL Fueling – Travel	Volume	σz = 1.39 m σy = 20-50 m H = 4.15 m	Loop along drive to areas adjacent to locomotive idling sources (near ends of yard), extend 0.5 miles past entrance, Split equally along E/W Roth Road, Source Spacing = 50 m	~~1.24 E-03~~ 1.05E-04	~~3.18 E-03~~ 2.37E-04	~~1.94 E-03~~ 1.31E-04
DTL Fueling – Idle	Volume	σz = 1.39 m σy = 20-50 m H = 4.15 m	Grouped adjacent to areas where locomotive idling sources are located; Source spacing = 50 m	1.11E-05	2.49E-05	1.38E-05
Drayage Trucks – Travel	Volume	σz = 1.39 m σy = 20-50 m H = 4.15 m	Loop from drive to all project internal roadways that are adjacent to container bays, extend 0.5 miles from drive, split equally along N/S Roth Road, Source spacing = 50 m	~~7.68 E-03~~ 4.36E-03	~~2.51 E-02~~ 1.25E-02	~~1.74 E-02~~ 8.17E-03
Drayage Trucks – Idle	Volume	σz = 1.39 m σy = 20-50 m H = 4.15 m	Grouped at inbound portal and lanes, source spacing = 50 m	~~5.35E-04~~ 5.47E-04	~~1.33E-03~~ 1.36E-03	~~7.98E-04~~ 8.16E-4

Table 6
AERMOD Dispersion Modeling Parameters and DPM Emission Rates

Source	Source Type	Source Parameters	Source Placement	70-Year Average DPM Emissions (g/s) Baseline	With Project	Net Increase due to Project
RTG Cargo Handling Equipment	Point	H = 12.5 m D = 0.13 m V = 20 m/s T = 644.3 K	Grouped along all loading tracks (tracks adjacent to container bays), Source spacing = 40 m	1.38E-03	6.82E-03	5.44E-03
Other Cargo Handling Equipment	Volume	σz = 1.39 m σy = 20-50 m H = 4.15 m	Grouped along all loading tracks (tracks adjacent to container bays), Source spacing = 40 m	1.69E-03	3.42E-03	1.73E-03
Transport Refer. Units (TRUs)	Volume	σz = 1.39 m σy = 20-50 m H = 4.15 m	Grouped along all container bays, Source spacing = 40 m	1.45E-02	~~2.46 E-02~~ 0.00E+00	~~1.01 E-02~~ -1.45E-02
Emergency Generator Gate Building	Point	H = ~~1.62~~ 3.05 m D= 0.1524 m Flow = 58.2 m^3/min T = 829 K	Placed by Gate Building	0.00E+00	2.39E-04	2.39E-04
Emergency Generator IWTP	Point	H = ~~1.40~~ 3.05 m D= 0.1016 m Flow = 22.5 m^3/min T = 853 K	Placed by IWTP	0.00E+00	1.20E-04	1.20E-04
Total				**~~3.59E-02~~** **3.08E-02**	**~~8.27E-02~~** **4.09E-02**	**~~4.68E-02~~** **1.01E-02**

The revised maximum incremental residential and workplace carcinogenic risk and chronic hazard quotient are summarized in Table 7 (replacing DEIR Table 4.3-13). The risk values are based on the 70-year DPM emission rate of the rail yard including the project's two phases (calculated from 2010 through 2069) less the 70-year DPM emission rate of the baseline condition (calculated over the same period). Exposure corrections to carcinogenic risk are appropriate when the surrounding land use ensures that an individual would not be exposed to the source continuously for a 70-year lifetime. Workplace exposure corrections were applied to the risk values by factors of 8/24, 49/52, and 40/70 for a workplace receptor to represent a typical eight-hour working day, 49 working weeks per year, and 40 years of employment during a 70-year lifetime. Relevant excerpts from the revised AERMOD output are attached, and the entirety of the AERMOD output is available upon request.

Table 7 (Replaces Table 4.3-13 of the DEIR)
Revised Maximum Modeled Project Health Risk

Location of Exposure (UTM Coordinates)	Annual Average DPM Impacts ($\mu g/m^3$)	Incremental Increase	
		Carcinogenic Risk[a] (per million)	Chronic Hazard Quotient[b] (unitless)
Maximum Exposed Resident ~~(653476, 4189883)~~ (653604, 4191168)	~~0.116~~ 0.014	**~~48~~** 5.9	~~0.02~~ 0.00
Maximum Exposed Future Worker ~~(653100, 4790700)~~ (653100, 4190700)	~~0.482~~ 0.079	**~~36~~** 5.9	~~0.10~~ 0.02
Maximum Exposed Current Worker ~~(652734, 4191147)~~ (653409, 4191269)	~~0.242~~ 0.020	**~~18~~** 1.5	~~0.05~~ 0.00
Point of Maximum Impact ~~(653100, 4190700)~~ (653100, 4190700)	~~0.482~~ 0.079	~~200~~ 32[c]	~~0.10~~ 0.02
Thresholds of Significance		10	1.0
Significant Impact?		**~~Yes~~** **No**	**No**

NOTES:
UTM = Universal Transverse Mercator
DPM = Diesel particulate matter
$\mu g/m^3$ = micrograms per cubic meter
Bolded text represents exceedance of threshold of significance.

[a] Calculated using the Derived OEHHA method as reported by CARB's Hotspots Analysis and Reporting Program (HARP), Version 1.4. This equates to a DPM unit risk factor of 4.15 x 10-4 $(\mu g/m^3)^{-1}$.
[b] Hazard quotient is the maximum concentration divided by the Chronic Reference Exposure Level (REL) developed by the California Office of Environmental Health Hazard Assessment (OEHHA). The Chronic REL for DPM is 5.0 $\mu g/m^3$.
[c] The Point of Maximum Impact (PMI) currently lies within an open agricultural field and therefore does not represent a receptor. Hence, the impacts at this location do not exceed the SJVAPCD thresholds of significance. If this area is developed as proposed, the PMI becomes the Maximum Exposed Future Receptor (above), and the appropriate exposure duration corrections are applied.

Conclusion

The updated emission calculations indicate that in all project operational years, project emissions of VOC, NOx, and PM_{10} will not exceed the CY 2010 baseline emissions by more than the SJVAPCD thresholds of significance, which are 10 tons per year (for VOC and NOx) and 15 tons per year (for PM_{10}). This change is mainly due to the phase-out of pre-2007 MY drayage trucks by January 1, 2014, followed by the gradual replacement of 2007 MY technology engines with 2010 MY technology engines by January 1, 2023, as required by CARB's Drayage Truck Rule. Additional criteria pollutant reductions are achieved via the applicant's commitment to redesign the project to include electric transportation refrigeration unit infrastructure (i.e., "reefer racks"), and by other CARB "fleet rules" that mandate the modernization of cargo handling equipment, heavy-duty on-road trucks (non-drayage), and the other measures listed in the DEIR.

The updated screening level HRA indicates that project health risks are below the SJVAPCD significance thresholds of 10 in one million (for increase in cancer risk), and 1.0 (for increase in hazard quotient). This change is primarily due to the applicant's commitment to redesign the project to include electric transportation refrigeration unit infrastructure (i.e., "reefer racks") and the revised MY distribution shown in Figure 2 and the drayage truck emission factors based on EMFAC2011.

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Attachment

Revisions to DEIR Appendix D
Air Quality Data

Table of Revisions to DEIR Appendix D – Air Quality Data		
Appendix Section	Revisions	DEIR Page(s)
4.3-A Air Circulation Diagrams and Wind Roses	No Revisions	D6 through D15
4.3-B Detailed Emission Calculations	2010 Summary of Emission is replaced by attached	D-17
	2013 Summary of Emission is replaced by attached	D-18
	2021 Summary of Emission is replaced by attached	D-19
	2035 Summary of Emission is replaced by attached	D-20
	70-Year Summary of Emissions from Direct-to-Locomotive Fueling Operation is replaced by attached	D-47
	Summary of the August 25, 2010 Dray Truck Registry Update is deleted	D-48
	Estimation of Drayage Truck Model Year Distribution is replaced by attached	D-49 & D-50
	2010 Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks is replaced by attached	D-52
	2013 Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks is replaced by attached	D-53
	2021 Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks is replaced by attached	D-54
	2035 Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks is replaced by attached	D-55
	70-Year Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks is replaced by attached	D-56
	2013 Summary of Emissions from Transport Refrigeration Units and Refrigerated Railcars is deleted	D-70
	2021 Summary of Emissions from Transport Refrigeration Units and Refrigerated Railcars is deleted	D-71
	2035 Summary of Emissions from Transport Refrigeration Units and Refrigerated Railcars is deleted	D-72
	70-Year Summary of Emissions from Transport Refrigeration Units and Refrigerated Railcars is replaced by attached	D-73
	2013 Summary of Emissions from TRU Refrigerant Loss is deleted	D-75
	2021 Summary of Emissions from TRU Refrigerant Loss is deleted	D-76
	2035 Summary of Emissions from TRU Refrigerant Loss is deleted	D-77
	2010 Summary of Emissions and Equipment Specifications for Aboveground Storage Tanks is replaced by the attached	D-78

Table of Revisions to DEIR Appendix D – Air Quality Data		
Appendix Section	Revisions	DEIR Page(s)
	2010 Summary of Particulate Matter Emissions from Paved Roadways is replaced by attached	D-84
	2013 Summary of Particulate Matter Emissions from Paved Roadways is replaced by attached	D-85
	2021 Summary of Particulate Matter Emissions from Paved Roadways is replaced by attached	D-86
	2035 Summary of Particulate Matter Emissions from Paved Roadways is replaced by attached	D-87
4.3-C URBEMIS2007 Output Files	No Revisions	D-88 through D-138
4.3-D EMFAC2007 Output Files	Pages D-140 through D-165 and D -166 above line “Title : Lathrop Delivery Trucks” are replaced by attached “EMFAC2011 Emission Factors for ‘Other Port Trucks’” and by the attached “Drayage Truck Distance”	D-140 through D-166
4.3-E Excerpt of AERMOD Output File	This new appendix is added.	N/A

2010 Summary of Emissions
Lathrop Rail Yard Expansion, Lathrop, CA

	2010 Baseline									
	(tpy)						(mt/yr)			
Source	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Locomotives										
Line Haul - Within Rail Yard	1.03	4.05	13.21	0.44	0.40	0.11	653	0.03	0.01	655
Line Haul - Regional Operation	1.10	4.32	14.07	0.47	0.43	0.12	9,520	0.39	0.08	9,552
Switcher Operations	0.32	0.87	4.59	0.12	0.10	0.01	186	0.01	0.00	187
Drayage Trucks	10.07	46.74	197.60	10.04	8.30	0.30	56,470	2.52	0.50	57,041
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	1	0.00	0.00	1
DTL Fueling	0.32	1.47	4.13	0.16	0.14	0.01	353	0.01	0.00	353
Cargo Handling Equipment (CHE)	0.48	6.50	13.44	0.55	0.50	0.28	31,607	1.28	0.26	31,713
Transport Refrigeration Units (TRUs)	1.64	3.88	3.63	0.41	0.37	0.04	533	0.02	0.00	642
Tanks	0.12	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	7.87	1.97	-	-	-	-	-
Emergency Generators	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Employee Vehicles	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Architectural Coatings	0.00	-	-	-	-	-	-	-	-	-
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Total	**15.07**	**67.85**	**250.67**	**20.07**	**12.20**	**0.86**	**99,322**	**4.26**	**0.85**	**100,144**

Notes:
TRUs - CO2e includes engine emissions and refrigerant loss.

2013 Summary of Emissions
Lathrop Rail Yard Expansion, Lathrop, CA

	2013 Rail Yard Emissions									
	(tpy)						(mt/yr)			
Source	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Locomotives										
Line Haul - Within Rail Yard	1.57	6.55	20.34	0.63	0.57	0.01	930	0.04	0.01	933
Line Haul - Regional Operation	1.60	6.71	20.83	0.65	0.58	0.01	9,520	0.39	0.08	9,552
Switcher Operations	0.47	1.29	6.80	0.17	0.15	0.01	276	0.01	0.00	277
Drayage Trucks	10.37	49.41	193.07	4.78	3.01	0.44	84,771	3.79	0.76	85,627
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	5	0.00	0.00	5
DTL Fueling	0.40	1.87	4.96	0.19	0.16	0.01	538	0.01	0.00	538
Cargo Handling Equipment (CHE)	1.17	30.88	2.50	0.13	0.11	0.47	16,392	0.66	0.13	16,448
Transport Refrigeration Units (TRUs)	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Tanks	0.13	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	11.66	2.92	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
Total	**16.39**	**100.53**	**249.31**	**18.48**	**7.58**	**0.94**	**112,770**	**4.92**	**0.98**	**113,719**

	2013 Rail Yard Emissions Less Baseline									
	(tpy)						(mt/yr)			
Source	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Locomotives										
Line Haul - Within Rail Yard	0.54	2.50	7.14	0.19	0.17	-0.11	278	0.01	0.00	278
Line Haul - Regional Operation	0.51	2.39	6.76	0.18	0.16	-0.11	0	0.00	0.00	0
Switcher Operations	0.15	0.42	2.21	0.06	0.05	0.00	90	0.00	0.00	90
Drayage Trucks	0.30	2.66	-4.53	-5.26	-5.29	0.15	28,300	1.27	0.25	28,586
Delivery Trucks	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	4
DTL Fueling	0.08	0.40	0.83	0.03	0.02	0.00	185	0.00	0.00	185
Cargo Handling Equipment (CHE)	0.69	24.38	-10.94	-0.43	-0.38	0.19	-15,214	-0.62	-0.12	-15,265
Transport Refrigeration Units (TRUs)	-1.64	-3.88	-3.63	-0.41	-0.37	-0.04	-533	-0.02	0.00	-642
Tanks	0.01	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	3.79	0.95	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
Total	**1.32**	**32.68**	**-1.37**	**-1.59**	**-4.62**	**0.08**	**13,448**	**0.66**	**0.13**	**13,575**

Notes:
TRUs - CO2e includes engine emissions and refrigerant loss.

2021 Summary of Emissions
Lathrop Rail Yard Expansion, Lathrop, CA

	2021 Rail Yard Emissions									
	(tpy)						(mt/yr)			
Source	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Locomotives										
Line Haul - Within Rail Yard	0.94	7.44	15.62	0.41	0.37	0.01	605	0.02	0.00	607
Line Haul - Regional Operation	0.96	7.62	15.99	0.42	0.38	0.01	8,484	0.34	0.07	8,513
Switcher Operations	0.47	1.29	5.73	0.06	0.06	0.00	276	0.01	0.00	277
Drayage Trucks	18.36	86.78	192.00	8.93	5.70	0.79	82,487	3.69	0.74	83,320
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	3	0.00	0.00	3
DTL Fueling	0.22	1.35	2.75	0.10	0.08	0.01	599	0.01	0.00	600
Cargo Handling Equipment (CHE)	2.09	55.29	4.48	0.22	0.20	0.83	21,410	0.87	0.17	21,482
Transport Refrigeration Units (TRUs)	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Tanks	0.15	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	21.18	5.30	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
Total	**23.88**	**163.59**	**237.38**	**31.60**	**12.15**	**1.64**	**114,202**	**4.96**	**0.99**	**115,140**

Notes:
TRUs - CO2e includes engine emissions and refrigerant loss.

	2021 Rail Yard Emissions Less Baseline									
	(tpy)						(mt/yr)			
Source	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Locomotives										
Line Haul - Within Rail Yard	-0.09	3.39	2.42	-0.03	-0.03	-0.11	-48	0.00	0.00	-48
Line Haul - Regional Operation	-0.13	3.30	1.93	-0.05	-0.05	-0.11	-1,036	-0.04	-0.01	-1,039
Switcher Operations	0.15	0.42	1.14	-0.05	-0.05	-0.01	90	0.00	0.00	90
Drayage Trucks	8.29	40.04	-5.60	-1.11	-2.60	0.49	26,017	1.16	0.23	26,279
Delivery Trucks	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	2
DTL Fueling	-0.10	-0.12	-1.38	-0.06	-0.06	0.00	247	0.00	0.00	247
Cargo Handling Equipment (CHE)	1.62	48.79	-8.96	-0.33	-0.30	0.56	-10,196	-0.41	-0.08	-10,231
Transport Refrigeration Units (TRUs)	-1.64	-3.88	-3.63	-0.41	-0.37	-0.04	-533	-0.02	0.00	-642
Tanks	0.03	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	13.32	3.33	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294.00	0.01	0.00	294.00
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.51
Total	**8.81**	**95.74**	**-13.29**	**11.53**	**-0.05**	**0.78**	**14,880**	**0.70**	**0.14**	**14,996**

2035 Summary of Emissions
Lathrop Rail Yard Expansion, Lathrop, CA

	2035 Rail Yard Emissions									
	(tpy)						(mt/yr)			
Source	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Locomotives										
Line Haul - Within Rail Yard	0.82	16.96	14.20	0.37	0.34	0.01	550	0.02	0.00	552
Line Haul - Regional Operation	0.84	17.36	14.54	0.38	0.35	0.01	7,713	0.31	0.06	7,739
Switcher Operations	0.86	2.36	10.46	0.11	0.10	0.11	504	0.02	0.00	505
Drayage Trucks	14.60	70.32	138.83	8.93	5.69	0.78	82,223	3.68	0.74	83,053
Delivery Trucks	0.00	0.00	0.01	0.00	0.00	0.00	2	0.00	0.00	3
DTL Fueling	0.27	2.29	3.20	0.12	0.08	0.01	1,091	0.01	0.00	1,092
Cargo Handling Equipment (CHE)	2.00	52.91	4.29	0.21	0.19	0.80	20,924	0.85	0.17	20,994
Transport Refrigeration Units (TRUs)	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0
Tanks	0.15	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	21.31	5.33	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
Total	**20.21**	**166.01**	**186.31**	**31.71**	**12.15**	**1.73**	**113,344**	**4.90**	**0.98**	**114,276**

Notes:
TRUs - CO2e includes engine emissions and refrigerant loss.

	2035 Rail Yard Emissions Less Baseline									
	(tpy)						(mt/yr)			
Source	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Locomotives										
Line Haul - Within Rail Yard	-0.21	12.90	1.00	-0.07	-0.06	-0.10	-103	0.00	0.00	-103
Line Haul - Regional Operation	-0.26	13.04	0.47	-0.09	-0.08	-0.10	-1,807	-0.07	-0.01	-1,813
Switcher Operations	0.54	1.49	5.87	0.00	0.00	0.11	317	0.01	0.00	318
Drayage Trucks	4.53	23.58	-58.77	-1.11	-2.61	0.49	25,752	1.15	0.23	26,012
Delivery Trucks	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1
DTL Fueling	-0.06	0.81	-0.93	-0.05	-0.06	0.00	738	0.00	0.00	739
Cargo Handling Equipment (CHE)	1.53	46.41	-9.15	-0.34	-0.30	0.52	-10,683	-0.43	-0.09	-10,719
Transport Refrigeration Units (TRUs)	-1.64	-3.88	-3.63	-0.41	-0.37	-0.04	-533	-0.02	0.00	-642
Tanks	0.03	-	-	-	-	-	-	-	-	-
Road Dust	-	-	-	13.44	3.36	-	-	-	-	-
Emergency Generators	0.00	0.25	0.25	0.01	0.01	0.00	43	0.00	0.00	44
Employee Vehicles	0.64	3.29	0.54	0.25	0.06	0.00	294	0.01	0.00	294
Architectural Coatings	0.02	-	-	-	-	-	-	-	-	-
Landscaping	0.02	0.27	0.00	0.00	0.00	0.00	1	0.00	0.00	1
Total	**5.14**	**98.16**	**-64.36**	**11.64**	**-0.06**	**0.87**	**14,022**	**0.64**	**0.13**	**14,133**

70-Year Summary of Emissions from Direct-to-Locomotive Fueling Operations
Lathrop Rail Yard, Lathrop, CA

General Assumptions	2010-2012	2013-2021	2021-2035	2035+
No. of Line Haul DTL Events per Year[1]	3072	4,551	4,551	8,306
No. of Switcher DTL Events per Year[1]	15	22	22	41
Engine Fuel Use Rate[3]	0.4	0.4	0.4	0.4
Diesel Density[3]	7.1	7.1	7.1	7.1
Diesel HHV[4]	138,000	138,000	138,000	138,000

Line Haul Locomotive Emissions

Idling Time					Engine	Heat						Emissions (tpy)	
	(hrs/year)				Output	Input	Emission Factors (g/h)					70-Year	70-Year
(min/event)[1]	2010-2012	2013-2020	2021-2034	2035+	(bhp)[1]	(MMBtu/yr)[1]	2010-2012	2013-2020	2021-2034	2035+	70-Year	Baseline	Project
15	768	1138	1138	2076	17.0	101.5	29.10	26.91	17.50	8.72	19.08	0.016	0.036

Switcher Locomotive Emissions

Idling Time					Engine	Heat						Emissions (tpy)	
	(hrs/year)				Output	Input	Emission Factors (g/h)					70-Year	70-Year
(min/event)[1]	2010-2012	2013-2020	2021-2034	2035+	(bhp)[1]	(MMBtu/yr)[1]	2010-2012	2013-2020	2021-2034	2035+	70-Year	Baseline	Project
15	4	6	6	10	17.0	0.5	31.00	26.91	11.19	11.19	13.84	0.000	0.000

Fuel Truck Traveling Emissions

VMT													Emissions (tpy)	
(mi/event)[1]				VMT (mi/year)				Emission Factors (g/mi)					70-Year	70-Year
2010-2012	2013-2020	2021-2034	2035+	2010-2012	2013-2020	2021-2034	2035+	2010-2012	2013-2020	2021-2034	2035+	70-Year	Baseline	Project
5.0	5.0	5.0	5.0	15,435	22,867	22,867	41,732	0.62	0.45	0.16	0.09	0.22	0.004	0.008

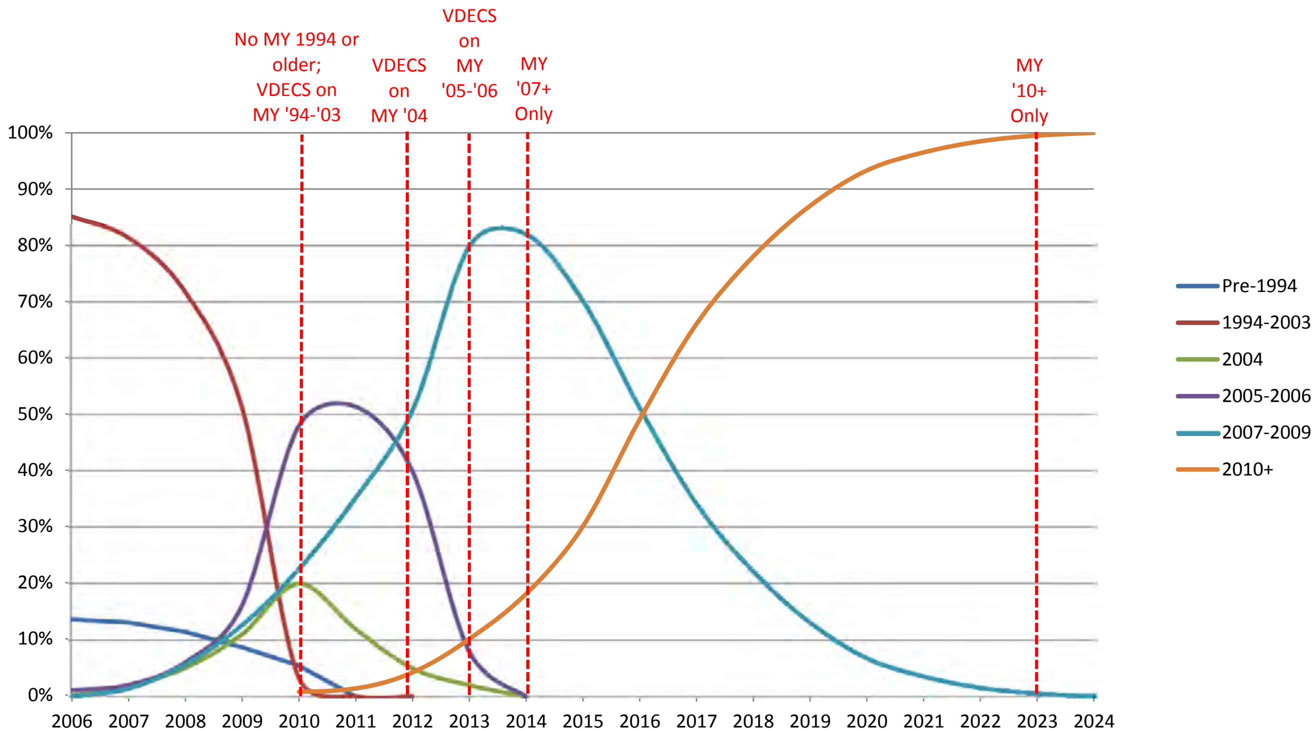
Fuel Truck Idling Emissions

Idling Time					Engine	Heat						Emissions (tpy)	
	(hrs/year)				Output	Input	Emission Factors (g/h)					70-Year	70-Year
(min/event)[1]	2010-2012	2013-2020	2021-2034	2035+	(bhp)[1]	(MMBtu/yr)[1]	2010-2012	2013-2020	2021-2034	2035+	70-Year	Baseline	Project
15	772	1143	1143	2087	11.1	66.9	1.88	1.42	0.53	0.16	0.45	0.000	0.001

Notes:
1. Data taken from *Summaries of Emissions from Direct-to-Locomotive Fueling Operations.* 70-year activity and emission rates based on 2010 levels for 2010-2012; 2013 levels for 2013-2020; and 2021 levels for 2021-2034; and 2035 levels from 2035 to 2079.

Estimation of Drayage Truck MY Distribution
Lathrop Rail Yard Expansion, Lathrop, CA

Model Year Group	Calendar Year																		
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Pre-1994	0.14	0.13	0.12	0.09	0.06	0.00													
1994-2003	0.85	0.81	0.72	0.51	0.03	0.00	0.00												
2004	0.00	0.02	0.05	0.11	0.20	0.12	0.05	0.02	0.00										
2005-2006	0.01	0.02	0.06	0.16	0.48	0.51	0.40	0.08	0.00										
2007-2009	0.00	0.01	0.06	0.13	0.23	0.35	0.51	0.80	0.82	0.70	0.51	0.34	0.22	0.13	0.07	0.04	0.02	0.01	0.00
2010+					0.01	0.01	0.04	0.10	0.18	0.30	0.49	0.66	0.78	0.87	0.93	0.97	0.99	1.00	1.00



2010 Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks
Lathrop Rail Yard Expansion, Lathrop, CA

Running Exhaust Emissions

Model	% of	Number of	VMT per	VMT per	2010 Emission Factors (g/mi)[4]										Emissions (tpy)									
Yr Group	Fleet[1]	Truck Trips[2]	Round Trip[3]	Year	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O
Pre-1994	5.5	12,623	68.2	860,602	1.50	6.65	22.70	1.18	1.03	1.09	0.02	1,792	0.07	0.015	1.42	6.30	21.53	1.12	0.98	1.03	0.02	3,145	0.13	0.026
1994-2003	3.4	7,734	68.2	527,314	1.09	4.45	21.11	0.65	0.54	0.55	0.02	1,767	0.07	0.014	0.63	2.59	12.27	0.38	0.32	0.32	0.01	1,901	0.08	0.015
2004	20.0	45,900	68.2	3,129,462	0.56	2.59	11.28	0.70	0.59	0.60	0.02	1,725	0.07	0.014	1.93	8.94	38.92	2.41	2.03	2.08	0.06	11,015	0.45	0.089
2005-2006	47.9	109,931	68.2	7,495,061	0.50	2.31	10.92	0.65	0.55	0.56	0.02	1,725	0.07	0.014	4.11	19.05	90.23	5.41	4.52	4.60	0.14	26,381	1.07	0.214
2007-2009	22.6	51,959	68.2	3,542,551	0.24	1.13	5.55	0.15	0.09	0.06	0.02	1,774	0.07	0.014	0.95	4.41	21.69	0.60	0.34	0.22	0.07	12,819	0.52	0.104
2010+	0.6	1,354	68.2	92,319	0.15	0.69	1.49	0.14	0.08	0.04	0.02	1,715	0.07	0.014	0.02	0.07	0.15	0.01	0.01	0.00	0.00	323	0.01	0.003
Total	**100**	**229,500**		**15,647,310**											**9.07**	**41.36**	**184.79**	**9.93**	**8.20**	**8.25**	**0.29**	**55,585**	**2.25**	**0.451**

Idling Exhaust Emissions

Model	% of	Number of	Idling[5]		2010 Emission Factors (g/hr)[4]										Emissions (tpy)									
Yr Group	Fleet[1]	Truck Trips[2]	(mins/trip)	(hr/yr)	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O[6]	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O
Pre-1994	5.5	12,623	30	6,311	16.06	55.44	97.54	2.64	2.43	2.64	0.06	6,535	0.27	0.053	0.11	0.39	0.68	0.02	0.02	0.02	0.00	45	0.00	0.000
1994-2003	3.4	7,734	30	3,867	9.09	44.92	117.57	1.27	1.17	1.27	0.07	6,907	0.28	0.056	0.04	0.19	0.50	0.01	0.00	0.01	0.00	29	0.00	0.000
2004	20.0	45,900	30	22,950	7.40	41.72	122.28	0.97	0.89	0.97	0.07	7,035	0.29	0.057	0.19	1.06	3.09	0.02	0.02	0.02	0.00	178	0.01	0.001
2005-2006	47.9	109,931	30	54,965	7.40	41.72	122.28	0.97	0.89	0.97	0.07	7,035	0.29	0.057	0.45	2.53	7.41	0.06	0.05	0.06	0.00	426	0.02	0.003
2007-2009	22.6	51,959	30	25,979	7.40	41.72	38.41	0.11	0.10	0.11	0.07	7,035	0.29	0.057	0.21	1.19	1.10	0.00	0.00	0.00	0.00	201	0.01	0.002
2010+	0.6	1,354	30	677	7.40	41.72	38.41	0.11	0.10	0.11	0.07	7,035	0.29	0.057	0.01	0.03	0.03	0.00	0.00	0.00	0.00	5	0.00	0.000
Total	**100**	**229,500**		**114,750**											**1.00**	**5.39**	**12.81**	**0.11**	**0.10**	**0.11**	**0.01**	**886**	**0.04**	**0.007**

Notes:
1. Estimated from Figure II-5 of the Appendix B of the Technical Support Document of the Drayage Truck ISOR, UPRR's 2010-2012 Drayage Truck Reports and Gate Counts, CARB's Drayage Truck Registry Data (database), and compliance deadlines contained in CARB's Drayage Truck and On-Road Rules.
2. Total number of truck trips calculated from Lathrop annual lift capacity and a factor of 0.85 round trips per lift.
3. Calculated from UPRR's origin/destination location frequency data.
4. Exhaust emission factors derived from EMFAC2011 using using the statewide emissions of "other port trucks". CH4 and N20 emission factors are derived from 40 CFR 98, Subpart C, Tables C-1 and C-2.
5. Engineering estimate based on interviews with UPRR staff.
6. CH4 and N2O emission factors are derived from 40 CFR 98, Subpart C, Tables C-1 and C-2.

2021 Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks
Lathrop Rail Yard Expansion, Lathrop, CA

Running Exhaust Emissions

Model Yr Group	% of Fleet[1]	Number of Truck Trips[2]	VMT per Round Trip[3]	VMT per Year	2013 Emission Factors (g/mi)[4]										Emissions (tpy)									
					ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O
Pre-1994	0.0	0	0.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
1994-2003	0.0	0	0.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
2004	2.0	6,800	68.2	463,624	0.10	0.46	11.90	0.20	0.13	0.10	0.02	1,760	0.07	0.014	0.05	0.24	6.08	0.10	0.07	0.05	0.01	1,663	0.07	0.013
2005-2006	8.0	27,200	68.2	1,854,496	0.09	0.43	11.59	0.19	0.12	0.10	0.02	1,760	0.07	0.014	0.19	0.88	23.70	0.40	0.25	0.20	0.03	6,652	0.27	0.054
2007-2009	80.0	272,000	68.2	18,544,960	0.41	1.89	7.40	0.19	0.12	0.09	0.02	1,774	0.07	0.014	8.33	38.57	151.28	3.87	2.45	1.88	0.35	67,045	2.72	0.544
2010+	10.0	34,000	68.2	2,318,120	0.16	0.74	1.27	0.15	0.08	0.05	0.02	1,713	0.07	0.014	0.41	1.90	3.24	0.37	0.21	0.13	0.04	8,092	0.33	0.066
Total	**100**	**340,000**		**23,181,200**											**8.99**	**41.59**	**184.31**	**4.75**	**2.98**	**2.25**	**0.43**	**83,452**	**3.39**	**0.677**

Idling Exhaust Emissions

Model Yr Group	% of Fleet[1]	Number of Truck Trips[2]	Idling[5]		2013 Emission Factors (g/hr)[4]										Emissions (tpy)									
			(mins/trip)	(hr/yr)	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O[6]	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O
Pre-1994	0.0	0	30	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
1994-2003	0.0	0	30	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
2004	2.0	6,800	30	3,400	7.40	41.72	122.28	0.97	0.89	0.97	0.07	7,035	0.29	0.057	0.03	0.16	0.46	0.00	0.00	0.004	0.00	26	0.00	0.000
2005-2006	8.0	27,200	30	13,600	7.40	41.72	122.28	0.97	0.89	0.97	0.07	7,035	0.29	0.057	0.11	0.63	1.83	0.01	0.01	0.015	0.00	105	0.00	0.001
2007-2009	80.0	272,000	30	136,000	7.40	41.72	38.41	0.11	0.10	0.11	0.07	7,035	0.29	0.057	1.11	6.26	5.76	0.02	0.01	0.016	0.01	1,055	0.04	0.009
2010+	10.0	34,000	30	17,000	7.40	41.72	38.41	0.11	0.10	0.11	0.07	7,035	0.29	0.057	0.14	0.78	0.72	0.00	0.00	0.002	0.00	132	0.01	0.001
Total	**100**	**340,000**													**1.39**	**7.82**	**8.77**	**0.04**	**0.03**	**0.036**	**0.01**	**1,318**	**0.05**	**0.011**

Notes:
1. Estimated from Figure II-5 of the Appendix B of the Technical Support Document of the Drayage Truck ISOR, UPRR's 2010-2012 Drayage Truck Reports and Gate Counts, CARB's Drayage Truck Registry Data (database), and compliance deadlines contained in CARB's Drayage Truck and On-Road Rules.
2. Total number of truck trips calculated from Lathrop annual lift capacity and a factor of 0.85 round trips per lift.
3. Calculated from UPRR's origin/destination location frequency data.
4. Exhaust emission factors derived from EMFAC2011 using using the statewide emissions of "other port trucks". CH4 and N20 emission factors are derived from 40 CFR 98, Subpart C, Tables C-1 and C-2.
5. Engineering estimate based on interviews with UPRR staff.
6. CH4 and N2O emission factors are derived from 40 CFR 98, Subpart C, Tables C-1 and C-2.

2021 Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks
Lathrop Rail Yard Expansion, Lathrop, CA

Running Exhaust Emissions

Model Yr Group	% of Fleet[1]	Number of Truck Trips[2]	VMT per Round Trip[3]	VMT per Year	2021 Emission Factors (g/mi)[4]										Emissions (tpy)									
					ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O
Pre-1994	0.0	0	0.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
1994-2003	0.0	0	0.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
2004	0.0	0	0.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
2005-2006	0.0	0	0.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
2007-2009	3.5	21,718	68.2	1,480,699	0.53	2.43	8.36	0.19	0.12	0.09	0.02	1,774	0.07	0.014	1.00	3.97	13.65	0.31	0.20	0.15	0.03	2,896	0.12	0.023
2010+	96.5	598,783	68.2	40,824,991	0.33	1.52	3.67	0.19	0.12	0.09	0.02	1,715	0.07	0.014	14.83	68.54	165.22	8.58	5.47	4.19	0.74	77,185	3.13	0.626
Total	**100**	**620,500**		**42,305,690**											**15.83**	**72.51**	**178.87**	**8.89**	**5.66**	**4.34**	**0.76**	**80,081**	**3.25**	**0.650**

Idling Exhaust Emissions

Model Yr Group	% of Fleet[1]	Number of Truck Trips[2]	Idling[5] (mins/trip)	Idling[5] (hr/yr)	2021 Emission Factors (g/hr)[4]										Emissions (tpy)									
					ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O[6]	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O
Pre-1994	0.0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
1994-2003	0.0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
2004	0.0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
2005-2006	0.0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
2007-2009	3.5	21,718	30	10,859	7.40	41.72	38.41	0.11	0.10	0.11	0.07	7,035	0.29	0.057	0.09	0.50	0.46	0.00	0.00	0.001	0.00	84	0.00	0.001
2010+	96.5	598,783	30	299,391	7.40	41.72	38.41	0.11	0.10	0.11	0.07	7,035	0.29	0.057	2.44	13.77	12.68	0.04	0.03	0.036	0.02	2,322	0.09	0.019
Total	**100**	**620,500**													**2.53**	**14.27**	**13.14**	**0.04**	**0.03**	**0.037**	**0.02**	**2,406**	**0.10**	**0.020**

Notes:
1. Estimated from Figure II-5 of the Appendix B of the Technical Support Document of the Drayage Truck ISOR, UPRR's 2010-2012 Drayage Truck Reports and Gate Counts, CARB's Drayage Truck Registry Data (database), and compliance deadlines contained in CARB's Drayage Truck and On-Road Rules.
2. Total number of truck trips calculated from Lathrop annual lift capacity and a factor of 0.85 round trips per lift.
3. Calculated from UPRR's origin/destination location frequency data.
4. Exhaust emission factors derived from EMFAC2011 using using the statewide emissions of "other port trucks". CH4 and N20 emission factors are derived from 40 CFR 98, Subpart C, Tables C-1 and C-2.
5. Engineering estimate based on interviews with UPRR staff.
6. CH4 and N2O emission factors are derived from 40 CFR 98, Subpart C, Tables C-1 and C-2.

2035 Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks
Lathrop Rail Yard Expansion, Lathrop, CA

Running Exhaust Emissions

Model	% of	Number of	VMT per	VMT per	2035 Emission Factors (g/mi)[4]										Emissions (tpy)									
Yr Group	Fleet[1]	Truck Trips[2]	Round Trip[3]	Year	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O
Pre-1994	0.0	0	68.2	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
1994-2003	0.0	0	68.2	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
2004	0.0	0	68.2	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
2005-2006	0.0	0	68.2	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
2007-2009	0.0	0	68.2	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.000
2010+	100.0	620,500	68.2	42,305,690	0.26	1.20	2.70	0.19	0.12	0.09	0.02	1,712	0.07	0.014	12.07	56.05	125.70	8.89	5.65	4.34	0.76	79,817	3.24	0.648
Total		**620,500**		**42,305,690**											**12.07**	**56.05**	**125.70**	**8.89**	**5.65**	**4.34**	**0.76**	**79,817**	**3.24**	**0.648**

Idling Exhaust Emissions

Model	% of	Number of	Idling[5]		2035 Emission Factors (g/hr)[4]										Emissions (tpy)									
Yr Group	Fleet	Truck Trips	(mins/trip)	(hr/yr)	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O[6]	ROG	CO	NOx	PM10	PM2.5	DPM	SOx	CO2	CH4	N2O
Pre-1994	0.0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
1994-2003	0.0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
2004	0.0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
2005-2006	0.0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
2007-2009	0.0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0	0.00	0.000
2010+	100.0	620,500	30	310,250	7.40	41.72	38.41	0.11	0.10	0.11	0.07	7,035	0.29	0.057	2.53	14.27	13.14	0.04	0.03	0.037	0.02	2,406	0.10	0.020
Total		**620,500**													**2.53**	**14.27**	**13.14**	**0.04**	**0.03**	**0.037**	**0.02**	**2,406**	**0.10**	**0.020**

Notes:
1. Estimated from Figure II-5 of the Appendix B of the Technical Support Document of the Drayage Truck ISOR, UPRR's 2010-2012 Drayage Truck Reports and Gate Counts, CARB's Drayage Truck Registry Data (database), and compliance deadlines contained in CARB's Drayage Truck and On-Road Rules.
2. Total number of truck trips calculated from Lathrop annual lift capacity and a factor of 0.85 round trips per lift.
3. Calculated from UPRR's origin/destination location frequency data.
4. Exhaust emission factors derived from EMFAC2011 using using the statewide emissions of "other port trucks". CH4 and N2O emission factors are derived from 40 CFR 98, Subpart C, Tables C-1 and C-2.
5. Engineering estimate based on interviews with UPRR staff.
6. CH4 and N2O emission factors are derived from 40 CFR 98, Subpart C, Tables C-1 and C-2.

70-Year Summary of Emissions from Intermodal HHD Diesel-Fueled Drayage Trucks
Lathrop Rail Yard Expansion, Lathrop, CA

Running Exhaust Emissions

Model	% of Fleet[1]				Number of Truck Trips[1]			VMT per Round Trip[1]			VMT per Year[1]					DPM Emission Factor (g/mi)[1]				DPM Emissions (tpy)	
Yr Group	2010-2012	2013-2020	2021+	70-Year	2010-2012	2013-2020	2021+	2010-2012	2013-2020	2021+	2010-2012	2013-2020	2021+	70-Year Baseline	70-Year Project	2010-2012	2013-2020	2021+	70-Year	70-Year Baseline	70-Year Project
Pre-1994	5.5	0.0	0.0	0.2	12,623	0	0	68.2	0.0	0.0	860,602	0	0	860,602		1.09	0.00	0.00	1.09	0.04412	0.04412
1994-2003	3.4	0.0	0.0	0.1	7,734	0	0	68.2	0.0	0.0	527,314	0	0	527,314		0.55	0.00	0.00	0.55	0.01375	0.01375
2004	20.0	2.0	0.0	1.1	45,900	6,800	0	68.2	68.2	0.0	3,129,462	463,624	0	3,129,462		0.60	0.10	0.00	0.48	0.08937	0.10013
2005-2006	47.9	8.0	0.0	3.0	109,931	27,200	0	68.2	68.2	0.0	7,495,061	1,854,496	0	7,495,061		0.56	0.10	0.00	0.44	0.22604	0.25324
2007-2009	22.6	80.0	0.0	10.1	51,959	272,000	21,718	68.2	68.2	68.2	3,542,551	18,544,960	1,480,699	3,542,551		0.06	0.09	0.09	0.09	0.15915	0.39645
2010+	0.6	10.0	100.0	85.5	1,354	34,000	598,783	68.2	68.2	68.2	92,319	2,318,120	40,824,991	92,319		0.04	0.05	0.09	0.09	1.26562	3.15266
Total	**100**	**100**	**100**	**100**	**229,500**	**340,000**	**620,500**				**15,647,310**	**23,181,200**	**42,305,690**	**15,647,310**	**38,977,532**					**1.80**	**3.96**

Idling Exhaust Emissions

Model	% of Fleet[1]				Number of Truck Trips[1]			Idling[1]	Idling (hours/year)[1]			DPM Emission Factor (g/h)[1]				DPM Emissions (tpy)	
Yr Group	2010-2012	2013-2020	2021+	70-Year	2010-2012	2013-2020	2021+	(mins/trip)	2010-2012	2013-2020	2021+	2010-2012	2013-2020	2021+	70-Year	70-Year Baseline	70-Year Project
Pre-1994	5.5	0.0	0.0	0.2	12,623	0	0	30	6,311	0	0	2.64	0.00	0.00	2.64	0.001	0.002
1994-2003	3.4	0.0	0.0	0.1	7,734	0	0	30	3,867	0	0	1.27	0.00	0.00	1.27	0.000	0.001
2004	20.0	2.0	0.0	1.1	45,900	6,800	0	30	22,950	3,400	0	0.97	0.97	0.00	0.97	0.001	0.003
2005-2006	47.9	8.0	0.0	3.0	109,931	27,200	0	30	54,965	13,600	0	0.97	0.97	0.00	0.97	0.004	0.009
2007-2009	22.6	80.0	0.0	10.1	51,959	272,000	21,718	30	25,979	136,000	10,859	0.11	0.11	0.11	0.11	0.001	0.003
2010+	0.6	10.0	100.0	85.5	1,354	34,000	598,783	30	677	17,000	299,391	0.11	0.11	0.11	0.11	0.012	0.029
Total	**100**	**100**	**100**	**100**	**229,500**	**340,000**	**620,500**		**114,750**	**170,000**	**310,250**					**0.019**	**0.047**

Notes:
1. Data taken from *Summaries of Drayage Truck Emissions.* 70-year activity and emission rates based on 2010 levels for 2010-2012; 2013 levels for 2013-2020; and 2021 levels for 2013-2079.

70-Year Summary of Emissions from Transport Refrigeration Units and Refrigerated Railcars
Lathrop Rail Yard Expansion, Lathrop, CA

Baseline Emissions[5]

TRU Equip Type	Average Rating (hp)[1]	Fuel Type	No of Units In Yard[2]				Hours of Operation (hr/yr/unit)[2]				Load Factor[3]	DPM Emission Factors (g/bhp-hr)[4]				DPM Emissions (tpy)				
			2010-2012	2013-2020	2021-2034	2035-2079	2010-2012	2013-2020	2021-2034	2035-2079		2010-2012	2013-2020	2021-2034	2035-2079	2010-2012	2013-2020	2021-2034	2035-2079	70 yr avg
Container	28.56	Diesel	16	16	16	16	1,460	1,460	1,460	1,460	0.56	0.71	0.12	0.02	0.02	0.301	0.051	0.008	0.008	0.378
Railcar	34	Diesel	5	5	5	5	1,460	1,460	1,460	1,460	0.53	0.79	0.12	0.02	0.02	0.107	0.016	0.003	0.003	0.128
Total			**21**							**2,920**						**0.41**	**0.07**	**0.01**	**0.01**	**0.51**

Notes:
1. Based on the average horsepower distribution in the OFFROAD2007 model.
2. Number of TRUs expected to be in the yard was calculated based on the TRUs/lift for other UPRR facilities and the lift capacity for the Lathrop yard.
3. Load factors are the default factors from the OFFROAD 2007 model.
4. DPM emission factors from the TRU ATCM, Table 3, revised 11/18/10. It was assumed for CY 2012-2013, that 50% of the TRUs were LETRUs and 50% were ULETRUs. For CY 2014-2015, it was assumed that 25% of the TRUs were LETRUs and 75% were ULETRUS. Beginning in CY 2016, it was assumed that all TRUs met the ULETRU emission standards.

2010 Summary of Emissions and Equipment Specifications for Aboveground Storage Tanks
Lathrop Rail Yard, Lathrop, CA

Tank Location	Material Stored	Tank Capacity[1]	Tank Dimensions (ft)			Shell Color	Shell Condition	2010 Annual Throughput (gal/yr)	Emissions (tpy)
			Length	Height	Width or Diameter				
South Maintenance Area	Gasoline	500	7.5	3	3	White	Good	3,000	0.116
South Maintenance Area	CARB Diesel	10,000	27	NA	8	White	Good	40,000	0.002
South Maintenance Area	Used Oil	400	7.5	3	3	White	Good	1,200	0.000
Total									**0.12**

Notes:
1. Tank capacity and material stored from the Project Description.
2. Tank dimensions from Fireguard tanks website.
3. Throughputs are engineering estimates based on similar intermodal facilities.
4. Emissions from EPA's TANKS software, version 4.0.9d.

2010 Summary of Particulate Matter Emissions from Paved Roadways
Lathrop Rail Yard Expansion, Lathrop, CA

Vehicle Type	2010 VMT (mi/yr)[1]	PM10 Emission Factor (g/VMT)[2]	PM2.5 Emission Factor (g/VMT)[2]	Control Efficiency (%)[3]	2010 PM10 Emission Estimates (tpy)[3]	2010 PM2.5 Emission Estimates (tpy)
Drayage Trucks	15,647,310	0.82	0.20	45%	7.78	1.94
Delivery Trucks	528	0.82	0.20	45%	0.00	0.00
DTL Trucks	181,086	0.82	0.20	45%	0.09	0.02
	15,828,924				**7.87**	**1.97**

Notes:
1. See intermodal truck, delivery truck, and worker vehicle subsheets for VMT calculations.
2. PM10 and PM2.5 emission factors calculated using Equation 2 of AP-42 Section 13.2.1 (01/2011) and the variables listed in the following table.
3. The control efficiency is calculated based on the equation in Attachment 1 of the SCAQMD staff report for Rule 1186 (1/97) and assumes street sweeping twice per week.

Variable	Unit	Annual PM10	Annual PM2.5	Reference
$E_{ext} = [k \times (sL)^{0.91} \times (W)^{1.02}] (1 - P/4N)$				AP-42, Equation 2, Section 13.2.1, 1/2011
k	g/VMT	1	0.25	AP-42, Table 13.2.1-1, 1/2011
sL	g/m2	0.015	0.015	AP-42, Table 13.2.1-2, 1/2011
W	tons	36.1	36.1	Trinity Report, Table 19-1
P	days	50	50	AP-42, Fig 13.2.1-2, 1/2011
N	days	365	365	AP-42, Equation 2, Section 13.2.1, 1/2011
$\mathbf{E_{ext}}$	**g/VMT**	**0.82**	**0.20**	

2013 Summary of Particulate Matter Emissions from Paved Roadways
Lathrop Rail Yard Expansion, Lathrop, CA

Vehicle Type	2013 VMT (mi/yr)[1]	PM10 Emission Factor (g/VMT)[2]	PM2.5 Emission Factor (g/VMT)[2]	Control Efficiency (%)[3]	2013 PM10 Emission Estimates (tpy)[3]	2013 PM2.5 Emission Estimates (tpy)
Drayage Trucks	23,181,200	0.82	0.20	45%	11.52	2.88
Delivery Trucks	811	0.82	0.20	45%	0.00	0.00
DTL Trucks	276,659	0.82	0.20	45%	0.14	0.03
	23,458,670				**11.66**	**2.92**

Notes:
1. See intermodal truck, delivery truck, and worker vehicle subsheets for VMT calculations.
2. PM10 and PM2.5 emission factors calculated using Equation 2 of AP-42 Section 13.2.1 (01/2011) and the variables listed in the following table.
3. The control efficiency is calculated based on the equation in Attachment 1 of the SCAQMD staff report for Rule 1186 (1/97) and assumes street sweeping twice per week.

Variable	Unit	Annual PM10	Annual PM2.5	Reference
$E_{ext} = [\ k \text{ x } (sL)^{0.91} \text{ x } (W)^{1.02}\ ]\ (1 - P/4N)$				AP-42, Equation 2, Section 13.2.1, 1/2011
k	g/VMT	1	0.25	AP-42, Table 13.2.1-1, 1/2011
sL	g/m2	0.015	0.015	AP-42, Table 13.2.1-2, 1/2011
W	tons	36.1	36.1	Trinity Report, Table 19-1
P	days	50	50	AP-42, Fig 13.2.1-2, 1/2011
N	days	365	365	AP-42, Equation 2, Section 13.2.1, 1/2011
$\mathbf{E_{ext}}$	**g/VMT**	**0.82**	**0.20**	

2021 Summary of Particulate Matter Emissions from Paved Roadways
Lathrop Rail Yard Expansion, Lathrop, CA

Vehicle Type	2021 VMT (mi/yr)[1]	PM10 Emission Factor (g/VMT)[2]	PM2.5 Emission Factor (g/VMT)[2]	Control Efficiency (%)[3]	2021 PM10 Emission Estimates (tpy)[3]	2021 PM2.5 Emission Estimates (tpy)
Drayage Trucks	42,305,690	0.82	0.20	45%	21.03	5.26
Delivery Trucks	1,327	0.82	0.20	45%	0.00	0.00
DTL Trucks	310,713	0.82	0.20	45%	0.15	0.04
	42,617,731				**21.18**	**5.30**

Notes:
1. See intermodal truck, delivery truck, and worker vehicle subsheets for VMT calculations.
2. PM10 and PM2.5 emission factors calculated using Equation 2 of AP-42 Section 13.2.1 (01/2011) and the variables listed in the following table.
3. The control efficiency is calculated based on the equation in Attachment 1 of the SCAQMD staff report for Rule 1186 (1/97) and assumes street sweeping twice per week.

Variable	Unit	Annual PM10	Annual PM2.5	Reference
$E_{ext} = [\ k \times (sL)^{0.91} \times (W)^{1.02}\ ]\ (1 - P/4N)$				AP-42, Equation 2, Section 13.2.1, 1/2011
k	g/VMT	1	0.25	AP-42, Table 13.2.1-1, 1/2011
sL	g/m2	0.015	0.015	AP-42, Table 13.2.1-2, 1/2011
W	tons	36.1	36.1	Trinity Report, Table 19-1
P	days	50	50	AP-42, Fig 13.2.1-2, 1/2011
N	days	365	365	AP-42, Equation 2, Section 13.2.1, 1/2011
E_{ext}	**g/VMT**	**0.82**	**0.20**	

2035 Summary of Particulate Matter Emissions from Paved Roadways
Lathrop Rail Yard Expansion, Lathrop, CA

Vehicle Type	2035 VMT (mi/yr)[1]	PM10 Emission Factor (g/VMT)[2]	PM2.5 Emission Factor (g/VMT)[2]	Control Efficiency (%)[3]	2035 PM10 Emission Estimates (tpy)[3]	2035 PM2.5 Emission Estimates (tpy)
Drayage Trucks	42,305,690	0.82	0.20	45%	21.03	5.26
Delivery Trucks	1,323	0.82	0.20	45%	0.00	0.00
DTL Trucks	565,356	0.82	0.20	45%	0.28	0.07
	42,872,369				**21.31**	**5.33**

Notes:
1. See intermodal truck, delivery truck, and worker vehicle subsheets for VMT calculations.
2. PM10 and PM2.5 emission factors calculated using Equation 2 of AP-42 Section 13.2.1 (01/2011) and the variables listed in the following table.
3. The control efficiency is calculated based on the equation in Attachment 1 of the SCAQMD staff report for Rule 1186 (1/97) and assumes street sweeping twice per week.

Variable	Unit	Annual PM10	Annual PM2.5	Reference
$E_{ext} = [\ k \times (sL)^{0.91} \times (W)^{1.02}\ ] (1 - P/4N)$				AP-42, Equation 2, Section 13.2.1, 1/2011
k	g/VMT	1.00	0.25	AP-42, Table 13.2.1-1, 1/2011
sL	g/m2	0.015	0.015	AP-42, Table 13.2.1-2, 1/2011
W	tons	36.1	36.1	Trinity Report, Table 19-1
P	days	50	50	AP-42, Fig 13.2.1-2, 1/2011
N	days	365	365	AP-42, Equation 2, Section 13.2.1, 1/2011
$\mathbf{E_{ext}}$	**g/VMT**	**0.82**	**0.20**	

Summary of Drayage Truck Counts and Lift Counts
Lathrop Rail Yard, Lathrop, CA

EMFAC 2011
2009 Estimated Annual Emission Rates
EMFAC 2011 Vehicle Categories
STATEWIDE TOTALS

Area	CalYr	Season	Veh	Fuel	MdlYr	Speed (Miles/hr)	VMT (Miles/day)	ROG_RUNEX (gms/mile)	ROG_IDLEX (gms/vehicle/	CO_RUNEX (gms/mile)	CO_IDLEX (gms/vehicle	NOX_RUNEX (gms/mile)	NOX_IDLEX (gms/vehicle/	CO2_RUNEX (gms/mile)
Statewide Totals	2009	Annual	T7 other port	DSL	1965	AllSpeeds	**0.194**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1966	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1967	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1968	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1969	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1970	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1971	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1972	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1973	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1974	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1975	AllSpeeds	**0.287**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1976	AllSpeeds	**0.296**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1977	AllSpeeds	**0.304**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1978	AllSpeeds	**1.249**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1979	AllSpeeds	**0.000**	0.000	32.101	0.000	71.445	0.000	58.471	0.000
Statewide Totals	2009	Annual	T7 other port	DSL	1980	AllSpeeds	**2.950**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1981	AllSpeeds	**3.016**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1982	AllSpeeds	**0.684**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1983	AllSpeeds	**1.396**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1984	AllSpeeds	**41.618**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1985	AllSpeeds	**19.553**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1986	AllSpeeds	**32.403**	2.147	32.101	11.766	71.445	20.329	58.471	1907.196
Statewide Totals	2009	Annual	T7 other port	DSL	1987	AllSpeeds	**191.910**	2.245	18.799	12.302	58.903	20.492	89.818	1847.437
Statewide Totals	2009	Annual	T7 other port	DSL	1988	AllSpeeds	**512.627**	2.245	18.799	12.302	58.903	20.492	89.818	1847.437
Statewide Totals	2009	Annual	T7 other port	DSL	1989	AllSpeeds	**509.496**	2.245	18.799	12.302	58.903	20.492	89.818	1847.437
Statewide Totals	2009	Annual	T7 other port	DSL	1990	AllSpeeds	**248.974**	2.245	18.799	12.302	58.903	20.492	89.818	1847.437
Statewide Totals	2009	Annual	T7 other port	DSL	1991	AllSpeeds	**1216.992**	1.295	15.000	4.948	54.195	23.822	100.396	1777.316
Statewide Totals	2009	Annual	T7 other port	DSL	1992	AllSpeeds	**2365.412**	1.295	15.000	4.948	54.195	23.822	100.396	1777.316
Statewide Totals	2009	Annual	T7 other port	DSL	1993	AllSpeeds	**1800.512**	1.246	15.000	5.132	54.195	22.384	100.396	1767.881
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**1.495**	**16.055**	**6.646**	**55.444**	**22.697**	**97.542**	**1791.575**
Statewide Totals	2009	Annual	T7 other port	DSL	1994	AllSpeeds	**1882.659**	1.218		5.648				
Statewide Totals	2009	Annual	T7 other port	DSL	1995	AllSpeeds	**2142.187**	1.218		5.648				
Statewide Totals	2009	Annual	T7 other port	DSL	1996	AllSpeeds	**7559.626**	1.211		5.675				
Statewide Totals	2009	Annual	T7 other port	DSL	1997	AllSpeeds	**14108.793**	1.211		5.675				
Statewide Totals	2009	Annual	T7 other port	DSL	1998	AllSpeeds	**19204.125**	1.208		5.662				
Statewide Totals	2009	Annual	T7 other port	DSL	1999	AllSpeeds	**21430.796**	1.300		4.965				

Statewide Totals	2009	Annual	T7 other port	DSL	2000	AllSpeeds	**29705.746**	1.237		4.726				
Statewide Totals	2009	Annual	T7 other port	DSL	2001	AllSpeeds	**30771.128**	1.170		4.468				
Statewide Totals	2009	Annual	T7 other port	DSL	2002	AllSpeeds	**25702.184**	1.097		4.191				
Statewide Totals	2009	Annual	T7 other port	DSL	2003	AllSpeeds	**20117.152**	0.559		2.590				
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**1.126**		**4.626**				

EMFAC 2011

2010 Estimated Annual Emission Rates

EMFAC 2011 Vehicle Categories

STATEWIDE TOTALS

Area	CalYr	Season	Veh	Fuel	MdlYr	Speed (Miles/hr)	VMT (Miles/day)	ROG_RUNEX (gms/mile)	ROG_IDLEX (g/hr-veh)	CO_RUNEX (gms/mile)	CO_IDLEX (g/hr-veh)	NOX_RUNEX (gms/mile)	NOX_IDLEX (g/hr-veh)	CO2_RUNEX (gms/mile)
Statewide Totals	2010	Annual	T7 other port	DSL	1994	AllSpeeds	**7204.468**	*1.218*	11.997	*5.648*	49.879	20.213	109.159	1713.876
Statewide Totals	2010	Annual	T7 other port	DSL	1995	AllSpeeds	**1951.626**	*1.218*	11.997	*5.648*	49.879	20.213	109.159	1713.876
Statewide Totals	2010	Annual	T7 other port	DSL	1996	AllSpeeds	**2220.662**	*1.211*	11.997	*5.675*	49.879	20.000	109.159	1712.523
Statewide Totals	2010	Annual	T7 other port	DSL	1997	AllSpeeds	**7836.558**	*1.211*	11.997	*5.675*	49.879	20.000	109.159	1712.523
Statewide Totals	2010	Annual	T7 other port	DSL	1998	AllSpeeds	**14625.641**	*1.208*	9.003	*5.662*	44.832	20.176	117.879	1754.718
Statewide Totals	2010	Annual	T7 other port	DSL	1999	AllSpeeds	**19907.631**	*1.300*	9.003	*4.965*	44.832	24.255	117.879	1781.050
Statewide Totals	2010	Annual	T7 other port	DSL	2000	AllSpeeds	**22215.872**	*1.237*	9.003	*4.726*	44.832	24.064	117.879	1781.050
Statewide Totals	2010	Annual	T7 other port	DSL	2001	AllSpeeds	**30793.959**	*1.170*	9.003	*4.468*	44.832	23.807	117.879	1781.050
Statewide Totals	2010	Annual	T7 other port	DSL	2002	AllSpeeds	**31898.369**	*1.097*	9.003	*4.191*	44.832	23.531	117.879	1781.050
Statewide Totals	2010	Annual	T7 other port	DSL	2003	AllSpeeds	**26643.734**	*0.559*	7.396	*2.590*	41.724	11.502	122.278	1759.978
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**1.090**	**9.092**	**4.451**	**44.918**	**21.107**	**117.575**	**1767.433**
Statewide Totals	2010	Annual	T7 other port	DSL	2004	AllSpeeds	**20854.105**	0.560	7.396	2.591	41.724	11.282	122.278	1725.469
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.560**	**7.396**	**2.591**	**41.724**	**11.282**	**122.278**	**1725.469**
Statewide Totals	2010	Annual	T7 other port	DSL	2005	AllSpeeds	**2876.830**	0.513	7.396	2.376	41.724	11.019	122.278	1725.469
Statewide Totals	2010	Annual	T7 other port	DSL	2006	AllSpeeds	**925.065**	0.450	7.396	2.085	41.724	10.618	122.278	1725.469
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.498**	**7.396**	**2.305**	**41.724**	**10.921**	**122.278**	**1725.469**
Statewide Totals	2010	Annual	T7 other port	DSL	2007	AllSpeeds	**340.933**	0.300	7.396	1.391	41.724	6.667	38.409	1773.807
Statewide Totals	2010	Annual	T7 other port	DSL	2008	AllSpeeds	**204.628**	0.263	7.396	1.218	41.724	6.079	38.409	1773.807
Statewide Totals	2010	Annual	T7 other port	DSL	2009	AllSpeeds	**1475.105**	0.228	7.396	1.057	41.724	5.224	38.409	1773.807
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.244**	**7.396**	**1.129**	**41.724**	**5.554**	**38.409**	**1773.807**
Statewide Totals	2010	Annual	T7 other port	DSL	2010	AllSpeeds	**1725.558**	0.149	7.396	0.689	41.724	1.489	38.409	1714.540
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.149**	**7.396**	**0.689**	**41.724**	**1.489**	**38.409**	**1714.540**

*CY2010 Pre 2004 PM running emission rates for ROG, CO, PM10, and PM2.5 were based on CY2009 to account for the assumption of no VDECS, as indicated by italics.

EMFAC 2011

2013 Estimated Annual Emission Rates

EMFAC 2011 Vehicle Categories

STATEWIDE TOTALS

Area	CalYr	Season	Veh	Fuel	MdlYr	Speed (Miles/hr)	VMT (Miles/day)	ROG_RUNEX (gms/mile)	ROG_IDLEX (g/hr-veh)	CO_RUNEX (gms/mile)	CO_IDLEX (g/hr-veh)	NOX_RUNEX (gms/mile)	NOX_IDLEX (g/hr-veh)	CO2_RUNEX (gms/mile)
Statewide Totals	2013	Annual	T7 other port	DSL	2004	AllSpeeds	**34173.715**	0.100	7.396	0.464	41.724	11.896	122.278	1759.969
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.100**	**7.396**	**0.464**	**41.724**	**11.896**	**122.278**	**1759.969**
Statewide Totals	2013	Annual	T7 other port	DSL	2005	AllSpeeds	**35399.339**	0.095	7.396	0.440	41.724	11.707	122.278	1759.969
Statewide Totals	2013	Annual	T7 other port	DSL	2006	AllSpeeds	**29567.988**	0.090	7.396	0.415	41.724	11.457	122.278	1759.969

Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.093**	**7.396**	**0.429**	**41.724**	**11.593**	**122.278**	**1759.969**
Statewide Totals	2013	Annual	T7 other port	DSL	2007	AllSpeeds	**23142.924**	0.414	7.396	1.917	41.724	7.521	38.409	1773.798
Statewide Totals	2013	Annual	T7 other port	DSL	2008	AllSpeeds	**3192.574**	0.382	7.396	1.770	41.724	6.965	38.409	1773.798
Statewide Totals	2013	Annual	T7 other port	DSL	2009	AllSpeeds	**1026.594**	0.339	7.396	1.570	41.724	6.042	38.409	1773.798
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.408**	**7.396**	**1.887**	**41.724**	**7.401**	**38.409**	**1773.798**
Statewide Totals	2013	Annual	T7 other port	DSL	2010	AllSpeeds	**378.352**	0.207	7.396	0.959	41.724	2.194	38.409	1714.531
Statewide Totals	2013	Annual	T7 other port	DSL	2011	AllSpeeds	**227.086**	0.187	7.396	0.865	41.724	1.763	38.409	1714.531
Statewide Totals	2013	Annual	T7 other port	DSL	2012	AllSpeeds	**1637.004**	0.168	7.396	0.778	41.724	1.290	38.409	1714.531
Statewide Totals	2013	Annual	T7 other port	DSL	2013	AllSpeeds	**1914.944**	0.142	7.396	0.658	41.724	1.009	38.409	1710.585
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.161**	**7.396**	**0.744**	**41.724**	**1.269**	**38.409**	**1712.713**

EMFAC 2011

2021 Estimated Annual Emission Rates

EMFAC 2011 Vehicle Categories

STATEWIDE TOTALS

Area	CalYr	Season	Veh	Fuel	MdlYr	Speed (Miles/hr)	VMT (Miles/day)	ROG_RUNEX (gms/mile)	ROG_IDLEX (g/hr-veh)	CO_RUNEX (gms/mile)	CO_IDLEX (g/hr-veh)	NOX_RUNEX (gms/mile)	NOX_IDLEX (g/hr-veh)	CO2_RUNEX (gms/mile)
Statewide Totals	2021	Annual	T7 other port	DSL	2007	AllSpeeds	**222302.563**	0.526	7.396	2.433	41.724	8.361	38.409	1774.423
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.526**	**7.396**	**2.433**	**41.724**	**8.361**	**38.409**	**1774.423**
Statewide Totals	2021	Annual	T7 other port	DSL	2010	AllSpeeds	**33142.938**	0.330	7.396	1.523	41.724	3.671	38.409	1715.135
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.330**	**7.396**	**1.523**	**41.724**	**3.671**	**38.409**	**1715.135**

*CY2021 PM Emission Rates Set to long-term CY2035 emission rates for these sources due to a lack of a MY distribution in this year, as indicated by italics.

EMFAC 2011

2035 Estimated Seasonal Emission Rates

EMFAC 2011 Vehicle Categories

STATEWIDE TOTALS

Area	CalYr	Season	Veh	Fuel	MdlYr	Speed (Miles/hr)	VMT (Miles/day)	ROG_RUNEX (gms/mile)	ROG_IDLEX (g/hr-veh)	CO_RUNEX (gms/mile)	CO_IDLEX (g/hr-veh)	NOX_RUNEX (gms/mile)	NOX_IDLEX (g/hr-veh)	CO2_RUNEX (gms/mile)
Statewide Totals	2035	Winter	T7 other port	DSL	2020	AllSpeeds	**38844.370**	0.259	7.396	1.202	41.724	2.695	38.409	1711.543
Statewide Totals	2035	Winter	T7 other port	DSL	2022	AllSpeeds	**280169.943**	0.259	7.396	1.202	41.724	2.695	38.409	1711.543
Emission Rate (g/mile for runex; g/hr-veh for idle ex)--->								**0.259**	**7.396**	**1.202**	**41.724**	**2.695**	**38.409**	**1711.543**

EMFAC 2011

2009 Estimated Annual Emission Rates

EMFAC 2011 Vehicle Categories

STATEWIDE TOTALS

CO2_IDLEX (gms/vehicle	PM10_RUNEX (gms/mile)	PM10_IDLEX (gms/vehicle/d	PM10_PMTW (gms/mile)	PM10_PMBW (gms/mile)	PM2_5_RUNEX (gms/mile)	PM2_5_IDLEX (gms/vehicle/da	PM2_5_PMTW (gms/mile)	PM2_5_PMBW (gms/mile)	SOX_RUNEX (gms/mile)	SOX_IDLEX (gms/vehicle/
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	0.000	6.455	0.000	0.000	0.000	5.939	0.000	0.000	0.000	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6089.170	2.041	6.455	0.036	0.062	1.878	5.939	0.009	0.026	0.018	0.058
6425.570	1.994	3.220	0.036	0.062	1.835	2.962	0.009	0.026	0.018	0.061
6425.570	1.994	3.220	0.036	0.062	1.835	2.962	0.009	0.026	0.018	0.061
6425.570	1.994	3.220	0.036	0.062	1.835	2.962	0.009	0.026	0.018	0.061
6425.570	1.994	3.220	0.036	0.062	1.835	2.962	0.009	0.026	0.018	0.061
6572.745	0.815	2.408	0.036	0.062	0.749	2.215	0.009	0.026	0.017	0.063
6572.745	0.815	2.408	0.036	0.062	0.749	2.215	0.009	0.026	0.017	0.063
6572.745	0.830	2.408	0.036	0.062	0.763	2.215	0.009	0.026	0.017	0.063
6534.531	**1.085**	**2.639**	**0.036**	**0.062**	**0.998**	**2.428**	**0.009**	**0.026**	**0.017**	**0.062**
	0.612				0.563					
	0.612				0.563					
	0.613				0.564					
	0.613				0.564					
	0.599				0.551					
	0.556				0.512					

0.537	0.494
0.516	0.475
0.494	0.454
0.603	0.554
0.555	**0.511**

EMFAC 2011
2010 Estimated Annual Emission Rates
EMFAC 2011 Vehicle Categories
STATEWIDE TOTALS

CO2_IDLEX (g/hr-veh)	PM10_RUNEX (gms/mile)*	PM10_IDLEX (g/hr-veh)	PM10_PMTW (gms/mile)	PM10_PMBW (gms/mile)	PM2_5_RUNEX (gms/mile)	PM2_5_IDLEX (g/hr-veh)	PM2_5_PMTW (gms/mile)	PM2_5_PMBW (gms/mile)	SOX_RUNEX (gms/mile)	SOX_IDLEX (g/hr-veh)
6719.920	*0.612*	1.808	0.036	0.062	*0.563*	1.663	0.009	0.026	0.016	0.064
6719.920	*0.612*	1.808	0.036	0.062	*0.563*	1.663	0.009	0.026	0.016	0.064
6719.920	*0.613*	1.808	0.036	0.062	*0.564*	1.663	0.009	0.026	0.016	0.064
6719.920	*0.613*	1.808	0.036	0.062	*0.564*	1.663	0.009	0.026	0.016	0.064
6909.145	*0.599*	1.250	0.036	0.062	*0.551*	1.150	0.009	0.026	0.017	0.066
6909.145	*0.556*	1.250	0.036	0.062	*0.512*	1.150	0.009	0.026	0.017	0.066
6909.145	*0.537*	1.250	0.036	0.062	*0.494*	1.150	0.009	0.026	0.017	0.066
6909.145	*0.516*	1.250	0.036	0.062	*0.475*	1.150	0.009	0.026	0.017	0.066
6909.145	*0.494*	1.250	0.036	0.062	*0.454*	1.150	0.009	0.026	0.017	0.066
7035.294	*0.603*	0.970	0.036	0.062	*0.554*	0.892	0.009	0.026	0.017	0.067
6907.484	**0.552**	**1.270**	**0.036**	**0.062**	**0.508**	**1.168**	**0.009**	**0.026**	**0.017**	**0.066**
7035.294	0.602	0.970	0.036	0.062	0.554	0.892	0.009	0.026	0.016	0.067
7035.294	**0.602**	**0.970**	**0.036**	**0.062**	**0.554**	**0.892**	**0.009**	**0.026**	**0.016**	**0.067**
7035.294	0.568	0.970	0.036	0.062	0.523	0.892	0.009	0.026	0.016	0.067
7035.294	0.521	0.970	0.036	0.062	0.480	0.892	0.009	0.026	0.016	0.067
7035.294	**0.557**	**0.970**	**0.036**	**0.062**	**0.512**	**0.892**	**0.009**	**0.026**	**0.016**	**0.067**
7035.294	0.068	0.108	0.036	0.062	0.062	0.099	0.009	0.026	0.017	0.067
7035.294	0.060	0.108	0.036	0.062	0.055	0.099	0.009	0.026	0.017	0.067
7035.294	0.052	0.108	0.036	0.062	0.048	0.099	0.009	0.026	0.017	0.067
7035.294	**0.055**	**0.108**	**0.036**	**0.062**	**0.051**	**0.099**	**0.009**	**0.026**	**0.017**	**0.067**
7035.294	0.044	0.108	0.036	0.062	0.040	0.099	0.009	0.026	0.016	0.067
7035.294	**0.044**	**0.108**	**0.036**	**0.062**	**0.040**	**0.099**	**0.009**	**0.026**	**0.016**	**0.067**

EMFAC 2011
2013 Estimated Annual Emission Rates
EMFAC 2011 Vehicle Categories
STATEWIDE TOTALS

CO2_IDLEX (g/hr-veh)	PM10_RUNEX (gms/mile)	PM10_IDLEX (g/hr-veh)	PM10_PMTW (gms/mile)	PM10_PMBW (gms/mile)	PM2_5_RUNEX (gms/mile)	PM2_5_IDLEX (g/hr-veh)	PM2_5_PMTW (gms/mile)	PM2_5_PMBW (gms/mile)	SOX_RUNEX (gms/mile)	SOX_IDLEX (g/hr-veh)
7035.294	0.102	0.970	0.036	0.062	0.094	0.892	0.009	0.026	0.017	0.067
7035.294	**0.102**	**0.970**	**0.036**	**0.062**	**0.094**	**0.892**	**0.009**	**0.026**	**0.017**	**0.067**
7035.294	0.099	0.970	0.036	0.062	0.091	0.892	0.009	0.026	0.017	0.067
7035.294	0.095	0.970	0.036	0.062	0.087	0.892	0.009	0.026	0.017	0.067

7035.294	**0.097**	**0.970**	**0.036**	**0.062**	**0.089**	**0.892**	**0.009**	**0.026**	**0.017**	**0.067**
7035.294	0.093	0.108	0.036	0.062	0.086	0.099	0.009	0.026	0.017	0.067
7035.294	0.086	0.108	0.036	0.062	0.079	0.099	0.009	0.026	0.017	0.067
7035.294	0.077	0.108	0.036	0.062	0.070	0.099	0.009	0.026	0.017	0.067
7035.294	**0.092**	**0.108**	**0.036**	**0.062**	**0.084**	**0.099**	**0.009**	**0.026**	**0.017**	**0.067**
7035.294	0.068	0.108	0.036	0.062	0.062	0.099	0.009	0.026	0.016	0.067
7035.294	0.060	0.108	0.036	0.062	0.055	0.099	0.009	0.026	0.016	0.067
7035.294	0.052	0.108	0.036	0.062	0.048	0.099	0.009	0.026	0.016	0.067
7035.294	0.042	0.108	0.036	0.062	0.038	0.099	0.009	0.026	0.016	0.067
7035.294	**0.049**	**0.108**	**0.036**	**0.062**	**0.045**	**0.099**	**0.009**	**0.026**	**0.016**	**0.067**

EMFAC 2011

2021 Estimated Annual Emission Rates

EMFAC 2011 Vehicle Categories

STATEWIDE TOTALS

CO2_IDLEX (g/hr-veh)	PM10_RUNEX (gms/mile)	PM10_IDLEX (g/hr-veh)	PM10_PMTW (gms/mile)	PM10_PMBW (gms/mile)	PM2_5_RUNEX (gms/mile)	PM2_5_IDLEX (g/hr-veh)	PM2_5_PMTW (gms/mile)	PM2_5_PMBW (gms/mile)	SOX_RUNEX (gms/mile)	SOX_IDLEX (g/hr-veh)
7035.294	*0.093*	0.108	0.036	0.062	*0.086*	0.099	0.009	0.026	0.017	0.067
7035.294	**0.093**	**0.108**	**0.036**	**0.062**	**0.086**	**0.099**	**0.009**	**0.026**	**0.017**	**0.067**
7035.294	*0.093*	0.108	0.036	0.062	*0.086*	0.099	0.009	0.026	0.016	0.067
7035.294	**0.093**	**0.108**	**0.036**	**0.062**	**0.086**	**0.099**	**0.009**	**0.026**	**0.016**	**0.067**

EMFAC 2011

2035 Estimated Seasonal Emission Rates

EMFAC 2011 Vehicle Categories

STATEWIDE TOTALS

CO2_IDLEX (g/hr-veh)	PM10_RUNEX (gms/mile)	PM10_IDLEX (g/hr-veh)	PM10_PMTW (gms/mile)	PM10_PMBW (gms/mile)	PM2_5_RUNEX (gms/mile)	PM2_5_IDLEX (g/hr-veh)	PM2_5_PMTW (gms/mile)	PM2_5_PMBW (gms/mile)	SOX_RUNEX (gms/mile)	SOX_IDLEX (g/hr-veh)
7035.294	0.093	0.108	0.036	0.062	0.086	0.099	0.009	0.026	0.016	0.067
7035.294	0.093	0.108	0.036	0.062	0.086	0.099	0.009	0.026	0.016	0.067
7035.294	**0.093**	**0.108**	**0.036**	**0.062**	**0.086**	**0.099**	**0.009**	**0.026**	**0.016**	**0.067**

Drayage Truck Distance
Lathrop Rail Yard, Lathrop, CA

Rolling 12 month period

Orig City Name **LATHROP**

	Values	One-Way VMT		
Shpd From City Name	Sum of Cycl Seq Nbr	**Total**	**In-Basin**	**In-State**
MODESTO	8.40%	23.1	23.1	23.1
LATHROP	6.35%	5.1	5.1	5.1
LODI	6.33%	23.0	23.0	23.0
AMERICAN CANYON	5.61%	72.5	28.3	72.5
STOCKTON	4.67%	8.9	8.9	8.9
DUBLIN	3.92%	40.9	22.8	40.9
NAPA	3.49%	77.0	28.3	77.0
MADERA	3.33%	98.2	98.2	98.2
TRACY	3.18%	13.9	13.9	13.9
FRESNO	3.13%	117.8	117.8	117.8
OAKLAND	3.04%	64.5	22.8	64.5
YUBA CITY	2.31%	96.7	30.5	96.7
KINGSBURG	2.21%	140.4	140.4	140.4
ARBUCKLE	1.98%	101.6	30.5	101.6
LOS BANOS	1.81%	69.9	69.9	69.9
ESCALON	1.56%	18.0	18.0	18.0
WOODLAND	1.47%	74.2	30.3	74.2
FAIRFIELD	1.40%	59.8	22.8	59.8
SANTA CLARA	1.35%	67.3	22.8	67.3
HAYWARD	1.33%	51.2	22.8	51.2
TURLOCK	1.32%	37.0	37.0	37.0
SACRAMENTO	1.32%	55.9	30.3	55.9
JACKSONVILLE	1.27%	366.6	30.5	329.3
FRENCH CAMP	1.18%	2.9	2.9	2.9
RIPON	1.05%	13.8	13.8	13.8
FIREBAUGH	0.99%	98.8	98.8	98.8
VACAVILLE	0.98%	65.8	28.3	65.8
SONOMA	0.93%	85.8	28.3	85.8
CERES	0.92%	27.6	27.6	27.6
VISALIA	0.90%	159.7	159.7	159.7
WILLOWS	0.83%	138.7	30.5	138.7
BENICIA	0.81%	63.0	22.8	63.0
MANTECA	0.74%	5.4	5.4	5.4
ACAMPO	0.68%	25.9	25.9	25.9
WEST SACRAMENTO	0.68%	60.3	30.5	60.3
CORNING	0.66%	168.1	30.5	168.1
SAN JOSE	0.66%	68.2	22.8	68.2
HOPLAND	0.53%	153.6	22.8	153.6
OAKDALE	0.52%	26.9	26.9	26.9
HANFORD	0.50%	152.4	152.4	152.4
UNION CITY	0.45%	56.1	22.8	0.0
RICHMOND	0.43%	76.3	22.8	76.3
SANTA ROSA	0.41%	115.4	22.8	115.4
FOWLER	0.41%	130.0	130.0	130.0
SAN LEANDRO	0.38%	55.8	22.8	55.8
WATSONVILLE	0.38%	116.3	78.1	116.3
SELMA	0.37%	135.8	135.8	135.8
CHOWCHILLA	0.37%	83.5	83.5	83.5
HOLLISTER	0.36%	97.1	78.4	97.1
GILROY	0.36%	95.9	78.1	95.9
LIVERMORE	0.36%	33.8	22.8	33.8
BIGGS	0.35%	115.8	30.5	115.8
OROVILLE	0.34%	122.3	30.5	122.3
WILLIAMS	0.33%	112.7	30.5	112.7
MERCED	0.32%	64.9	64.9	64.9
AMER. CANYON	0.32%	66.5	28.3	66.5

Rolling 12 month period

Dest City Name **LATHROP**

	Values	One-Way VMT		
Ultm Cnse City Name	Sum of Cycl Seq Nbr	**Total**	**In-Basin**	**In-State**
STOCKTON	16.46%	8.9	8.9	8.9
TRACY	13.98%	13.9	13.9	13.9
MODESTO	6.85%	23.1	23.1	23.1
WOODLAND	6.06%	74.2	30.3	74.2
LATHROP	5.83%	5.1	5.1	5.1
SACRAMENTO	5.61%	55.9	30.3	55.9
FRESNO	3.69%	117.8	117.8	117.8
RENO	3.58%	186.7	30.3	171.3
SPARKS	2.37%	190.2	30.3	171.3
FREMONT	2.32%	54.1	22.8	54.1
FRENCH CAMP	1.99%	2.9	2.9	2.9
ROCKLIN	1.65%	78.3	30.5	78.3
JACKSONVILLE	1.46%	366.6	30.5	329.3
HAYWARD	1.28%	51.2	22.8	51.2
MANTECA	1.07%	5.4	5.4	5.4
WEST SACRAMENTO	1.07%	60.3	30.5	60.3
MCCARRAN	1.05%	153.8	263.5	478.5
VISALIA	1.03%	159.7	159.7	159.7
RICHMOND	1.03%	76.3	22.8	76.3
FAIRFIELD	0.96%	59.8	22.8	59.8
SALINAS	0.94%	122.8	78.1	78.1
RED BLUFF	0.89%	184.9	30.5	184.9
DOWNERS GROVE	0.80%	2079.6	30.5	171.3
LIVERMORE	0.77%	33.8	22.8	33.8
LODI	0.72%	23.0	23.0	23.0
MERCED	0.60%	64.9	64.9	64.9
PATTERSON	0.60%	32.3	22.8	32.3
MADERA	0.56%	98.2	98.2	98.2
SANTA CLARA	0.55%	67.3	22.8	67.3
SAN JOSE	0.55%	68.2	22.8	68.2
MEMPHIS	0.53%	2043.9	263.5	557.5
OMAHA	0.52%	1637.0	30.5	171.3
UNION CITY	0.49%	56.1	22.8	0.0
GRIDLEY	0.48%	111.7	30.5	111.7
GUSTINE	0.42%	49.1	49.1	49.1
KINGSBURG	0.37%	140.4	140.4	140.4
MORGAN HILL	0.37%	86.6	22.8	86.6
NEWARK	0.37%	58.3	22.8	58.3
SAN RAMON	0.35%	47.7	22.8	47.7
PITTSBURG	0.31%	45.7	25.7	25.7
HERLONG	0.31%	244.3	30.5	244.3
OAKLAND	0.30%	64.5	22.8	64.5
DUBLIN	0.27%	40.9	22.8	40.9
CHICO	0.27%	144.6	30.5	144.6
MILPITAS	0.26%	58.8	22.8	58.8
SAN LEANDRO	0.25%	55.8	22.8	55.8
YUBA CITY	0.25%	96.7	30.5	96.7
VACAVILLE	0.24%	65.8	28.3	65.8
SAN FRANCISCO	0.24%	76.0	22.8	76.0
LOS BANOS	0.22%	69.9	69.9	69.9
CHOWCHILLA	0.18%	83.5	83.5	83.5
WATSONVILLE	0.18%	116.3	78.1	116.3
TULARE	0.17%	165.5	165.5	165.5
WILLOWS	0.17%	138.7	30.5	138.7
PETALUMA	0.17%	100.2	28.3	100.2
TURLOCK	0.16%	37.0	37.0	37.0

CROCKETT	0.32%	68.1	22.8	68.1
GUERNEVILLE	0.30%	127.3	22.8	127.3
SPARKS	0.30%	190.2	30.3	171.3
GUSTINE	0.30%	49.1	49.1	49.1
CARUTHERS	0.30%	135.9	135.9	135.9
NORTHERN	0.30%	55.9	30.5	200.0
NEWARK	0.28%	58.3	22.8	58.3
LEMOORE	0.27%	52.2	52.2	52.2
OAK BROOK	0.26%	2083.0	30.5	171.3
RENO	0.24%	186.7	30.3	171.3
TULARE	0.23%	165.5	165.5	165.5
LINCOLN	0.22%	84.1	30.5	84.1
SUNNYVALE	0.21%	67.2	22.8	67.2
AMERICAN CANY	0.19%	72.5	28.3	66.5
KING CITY	0.18%	154.4	78.1	154.4
FREMONT	0.15%	54.1	22.8	54.1
NELSON	0.15%	127.3	30.5	127.3
KERMAN	0.15%	114.7	114.7	114.7
PETALUMA	0.15%	100.2	28.3	100.2
HEALDSBURG	0.14%	127.5	28.3	127.5
LIVINGSTON	0.14%	50.8	22.8	50.8
PATTERSON	0.12%	32.3	22.8	32.3
FRENCH CMP	0.12%	2.1	2.1	2.1
AMER CANYON	0.12%	72.5	30.3	171.3
CHICO	0.10%	144.6	30.5	144.6
MENLO PARK	0.10%	70.7	22.8	70.7
RIVERBANK	0.10%	23.5	23.5	23.5
SAINT HELENA	0.10%	95.5	28.3	95.5
SAN FRANCISCO	0.10%	76.0	22.8	76.0
FOLSOM	0.10%	67.5	30.5	67.5
MARYSVILLE	0.09%	95.3	30.5	95.3
COALINGA	0.09%	142.4	142.4	142.4
SEBASTOPOL	0.09%	115.7	28.3	115.7
LOCKEFORD	0.08%	26.3	26.3	26.3
ORANGE	0.08%	360.9	263.5	360.9
CONCORD	0.08%	54.7	22.8	54.7
WINTERS	0.08%	76.3	30.5	76.3
ATWATER	0.08%	57.1	263.5	57.1
AM CANYON	0.07%	72.5	30.5	144.6
RICHVALE	0.07%	123.3	30.5	123.3
CORALVILLE	0.07%	1877.7	30.5	171.3
SANGER	0.07%	135.8	135.8	135.8
HUGHSON	0.07%	32.6	32.6	32.6
SAN LORENZO	0.07%	53.5	22.8	53.5
Total	**97.11%**	**68.5**	**36.6**	**62.1**
Average One-Way Distanc	**100.00%**	**70.5**	**37.7**	**63.9**
Average Round-Trip Distance		**167.4**	**68.18**	**126.1**

GILROY	0.16%	95.9	78.1	95.9
KING CITY	0.15%	154.4	78.1	154.4
FERNLEY	0.15%	207.3	30.5	171.3
OROVILLE	0.14%	122.3	30.5	122.3
FRENCH CMP	0.14%	2.1	2.1	2.1
CASTROVILLE	0.13%	119.4	78.1	78.1
ELK GROVE	0.12%	43.9	30.5	43.9
PORTERVILLE	0.12%	189.3	189.3	189.3
W SACRAMENTO	0.11%	55.9	30.5	55.9
OAKDALE	0.11%	26.9	26.9	26.9
HURON	0.10%	143.3	143.3	143.3
SAN LORENZO	0.10%	53.5	22.8	53.5
REDDING	0.10%	215.6	30.5	215.6
SOUTH SAN FRANCISC(	0.10%	80.4	22.8	80.4
BENICIA	0.09%	63.0	22.8	63.0
DIXON	0.09%	63.4	28.3	63.4
CLOVIS	0.09%	123.5	123.5	123.5
BRISBANE	0.09%	83.0	22.8	83.0
HILMAR	0.09%	42.5	42.5	42.5
AMERICAN CANYON	0.09%	72.5	28.3	72.5
RIPON	0.08%	13.8	13.8	13.8
PLEASANTON	0.08%	41.3	22.8	41.3
BAKERSFIELD	0.08%	229.3	229.3	229.3
MEDFORD	0.08%	359.9	30.5	329.3
UKIAH	0.08%	173.2	28.3	173.2
ORANGE	0.07%	360.9	263.5	360.9
FOWLER	0.07%	130.0	130.0	130.0
MINDEN	0.07%	180.7	30.5	171.9
DINUBA	0.07%	148.8	148.8	148.8
GALT	0.07%	31.5	30.5	148.8
RED BLF	0.06%	184.9	30.5	184.9
CALPELLA	0.06%	173.0	22.8	173.0
HOLLISTER	0.06%	97.1	78.4	97.1
SONORA	0.06%	61.4	39.3	61.4
RANCHO CORDOVA	0.06%	56.4	30.5	56.4
ROSEVILLE	0.06%	72.2	30.5	72.2
ELK GRV	0.06%	43.9	30.5	43.9
WINDSOR	0.05%	122.0	22.8	122.0
WOODSTOCK	0.05%	2259.9	30.5	74.0
W. SACRAMENTO	0.05%	55.9	30.5	55.9
HANFORD	0.05%	152.4	152.4	152.4
SAN CARLOS	0.05%	74.3	22.8	74.3
FOLSOM	0.05%	67.5	30.5	67.5
WILLIAMS	0.05%	112.7	30.5	112.7
	98.00%	**94.9**	**31.6**	**64.0**
	100.00%	**96.8**	**32.2**	**65.3**

APPENDIX B

AERMOD Output File

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Appendix 4.3-E – AERMOD Output File

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 6.8.6
** Lakes Environmental Software Inc.
** Date: 4/13/2011
** File: P:\Union Pacific RR\Lathrop\Lathrop3.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE P:\Union Pacific RR\Lathrop\Lathrop2.isc
   TITLETWO Lathrop Railyard Expansion
   MODELOPT CONC NODRYDPLT NOWETDPLT FLAT
   AVERTIME PERIOD
   POLLUTID DPM
   RUNORNOT RUN
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE1
** DESCRSRC
** Length of Side = 25.00
** Emission Rate = 1.0
** Elevated
** Building Height = 5.60
** SZINIT = 2.60
** Nodes = 4
** 653064.18, 4190355.59, 0.00, 0.00, 0.00
** 653022.39, 4191028.46, 0.00, 0.00, 22.63
** 652983.38, 4191028.46, 0.00, 0.00, 22.63
** 653000.10, 4190695.51, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002341 VOLUME   653063.404 4190368.069 0.0
   LOCATION L0002342 VOLUME   653060.388 4190416.620 0.0
   LOCATION L0002343 VOLUME   653057.373 4190465.171 0.0
   LOCATION L0002344 VOLUME   653054.357 4190513.723 0.0
   LOCATION L0002345 VOLUME   653051.342 4190562.274 0.0
   LOCATION L0002346 VOLUME   653048.326 4190610.825 0.0
   LOCATION L0002347 VOLUME   653045.310 4190659.376 0.0
   LOCATION L0002348 VOLUME   653042.295 4190707.927 0.0
   LOCATION L0002349 VOLUME   653039.279 4190756.479 0.0
   LOCATION L0002350 VOLUME   653036.264 4190805.030 0.0
   LOCATION L0002351 VOLUME   653033.248 4190853.581 0.0
   LOCATION L0002352 VOLUME   653030.232 4190902.132 0.0
   LOCATION L0002353 VOLUME   653027.217 4190950.683 0.0
   LOCATION L0002354 VOLUME   653024.201 4190999.235 0.0
   LOCATION L0002355 VOLUME   653003.023 4191028.460 0.0
   LOCATION L0002356 VOLUME   652984.833 4190999.495 0.0
   LOCATION L0002357 VOLUME   652987.273 4190950.911 0.0
   LOCATION L0002358 VOLUME   652989.712 4190902.328 0.0
   LOCATION L0002359 VOLUME   652992.151 4190853.744 0.0
   LOCATION L0002360 VOLUME   652994.591 4190805.160 0.0
   LOCATION L0002361 VOLUME   652997.030 4190756.577 0.0
   LOCATION L0002362 VOLUME   652999.470 4190707.993 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE2
** DESCRSRC
** Length of Side = 25.00
** Emission Rate = 1.0
** Elevated
** Building Height = 5.60
** SZINIT = 2.60
** Nodes = 6
** 652956.91, 4190616.10, 0.00, 0.00, 0.00
** 652933.23, 4190671.83, 0.00, 0.00, 23.11
** 652845.46, 4190801.38, 0.00, 0.00, 23.11
** 652810.63, 4190862.68, 0.00, 0.00, 23.11
** 652800.88, 4190911.44, 0.00, 0.00, 23.11
** 652789.74, 4191145.48, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002301 VOLUME   652952.021 4190627.607 0.0
   LOCATION L0002302 VOLUME   652932.308 4190673.184 0.0
   LOCATION L0002303 VOLUME   652904.441 4190714.321 0.0
   LOCATION L0002304 VOLUME   652876.573 4190755.459 0.0
   LOCATION L0002305 VOLUME   652848.706 4190796.596 0.0
   LOCATION L0002306 VOLUME   652823.774 4190839.557 0.0
   LOCATION L0002307 VOLUME   652806.106 4190885.324 0.0
   LOCATION L0002308 VOLUME   652799.787 4190934.469 0.0
   LOCATION L0002309 VOLUME   652797.423 4190984.100 0.0
   LOCATION L0002310 VOLUME   652795.060 4191033.731 0.0
   LOCATION L0002311 VOLUME   652792.696 4191083.363 0.0
   LOCATION L0002312 VOLUME   652790.333 4191132.994 0.0
   LOCATION L0012301 POINT    652952.021 4190627.607 0.0
   LOCATION L0012302 POINT    652932.308 4190673.184 0.0
   LOCATION L0012303 POINT    652904.441 4190714.321 0.0
   LOCATION L0012304 POINT    652876.573 4190755.459 0.0
   LOCATION L0012305 POINT    652848.706 4190796.596 0.0
   LOCATION L0012306 POINT    652823.774 4190839.557 0.0
   LOCATION L0012307 POINT    652806.106 4190885.324 0.0
   LOCATION L0012308 POINT    652799.787 4190934.469 0.0
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   LOCATION L0012309 POINT    652797.423 4190984.100 0.0
   LOCATION L0012310 POINT    652795.060 4191033.731 0.0
   LOCATION L0012311 POINT    652792.696 4191083.363 0.0
   LOCATION L0012312 POINT    652790.333 4191132.994 0.0
   LOCATION L0022301 POINT    652952.021 4190627.607 0.0
   LOCATION L0022302 POINT    652932.308 4190673.184 0.0
   LOCATION L0022303 POINT    652904.441 4190714.321 0.0
   LOCATION L0022304 POINT    652876.573 4190755.459 0.0
   LOCATION L0022305 POINT    652848.706 4190796.596 0.0
   LOCATION L0022306 POINT    652823.774 4190839.557 0.0
   LOCATION L0022307 POINT    652806.106 4190885.324 0.0
   LOCATION L0022308 POINT    652799.787 4190934.469 0.0
   LOCATION L0022309 POINT    652797.423 4190984.100 0.0
   LOCATION L0022310 POINT    652795.060 4191033.731 0.0
   LOCATION L0022311 POINT    652792.696 4191083.363 0.0
   LOCATION L0022312 POINT    652790.333 4191132.994 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE3
** DESCRSRC
** Length of Side = 25.00
** Emission Rate = 0.1
** Elevated
** Building Height = 5.60
** SZINIT = 2.60
** Nodes = 4
** 652933.23, 4188210.22, 0.00, 0.00, 0.00
** 652984.77, 4188300.77, 0.00, 0.00, 20.24
** 653055.82, 4188413.61, 0.00, 0.00, 20.24
** 653087.86, 4188499.99, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002363 VOLUME   652939.411 4188221.084 0.0
   LOCATION L0002364 VOLUME   652960.942 4188258.909 0.0
   LOCATION L0002365 VOLUME   652982.473 4188296.734 0.0
   LOCATION L0002366 VOLUME   653005.486 4188333.670 0.0
   LOCATION L0002367 VOLUME   653028.676 4188370.501 0.0
   LOCATION L0002368 VOLUME   653051.865 4188407.332 0.0
   LOCATION L0002369 VOLUME   653068.376 4188447.460 0.0
   LOCATION L0002370 VOLUME   653083.514 4188488.266 0.0
   LOCATION L0012363 POINT    652939.411 4188221.084 0.0
   LOCATION L0012364 POINT    652960.942 4188258.909 0.0
   LOCATION L0012365 POINT    652982.473 4188296.734 0.0
   LOCATION L0012366 POINT    653005.486 4188333.670 0.0
   LOCATION L0012367 POINT    653028.676 4188370.501 0.0
   LOCATION L0012368 POINT    653051.865 4188407.332 0.0
   LOCATION L0012369 POINT    653068.376 4188447.460 0.0
   LOCATION L0012370 POINT    653083.514 4188488.266 0.0
   LOCATION L0022363 POINT    652939.411 4188221.084 0.0
   LOCATION L0022364 POINT    652960.942 4188258.909 0.0
   LOCATION L0022365 POINT    652982.473 4188296.734 0.0
   LOCATION L0022366 POINT    653005.486 4188333.670 0.0
   LOCATION L0022367 POINT    653028.676 4188370.501 0.0
   LOCATION L0022368 POINT    653051.865 4188407.332 0.0
   LOCATION L0022369 POINT    653068.376 4188447.460 0.0
   LOCATION L0022370 POINT    653083.514 4188488.266 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE4
** DESCRSRC
** Length of Side = 25.00
** Emission Rate = 0.1
** Elevated
** Building Height = 5.60
** SZINIT = 2.60
** Nodes = 8
** 653018.21, 4188462.37, 0.00, 0.00, 0.00
** 653015.42, 4188515.31, 0.00, 0.00, 23.06
** 652864.97, 4190649.54, 0.00, 0.00, 23.06
** 652831.53, 4190765.16, 0.00, 0.00, 0.00
** 652842.68, 4190763.77, 0.00, 0.00, 23.06
** 652867.75, 4190673.22, 0.00, 0.00, 23.06
** 653023.78, 4188513.92, 0.00, 0.00, 23.06
** 653026.57, 4188460.98, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002371 VOLUME   653017.550 4188474.855 0.0
   LOCATION L0002372 VOLUME   653014.783 4188524.357 0.0
   LOCATION L0002373 VOLUME   653011.296 4188573.816 0.0
   LOCATION L0002374 VOLUME   653007.809 4188623.274 0.0
   LOCATION L0002375 VOLUME   653004.323 4188672.732 0.0
   LOCATION L0002376 VOLUME   653000.836 4188722.190 0.0
   LOCATION L0002377 VOLUME   652997.350 4188771.649 0.0
   LOCATION L0002378 VOLUME   652993.863 4188821.107 0.0
   LOCATION L0002379 VOLUME   652990.376 4188870.565 0.0
   LOCATION L0002380 VOLUME   652986.890 4188920.023 0.0
   LOCATION L0002381 VOLUME   652983.403 4188969.482 0.0
   LOCATION L0002382 VOLUME   652979.916 4189018.940 0.0
   LOCATION L0002383 VOLUME   652976.430 4189068.398 0.0
   LOCATION L0002384 VOLUME   652972.943 4189117.856 0.0
   LOCATION L0002385 VOLUME   652969.457 4189167.315 0.0
   LOCATION L0002386 VOLUME   652965.970 4189216.773 0.0
   LOCATION L0002387 VOLUME   652962.483 4189266.231 0.0
   LOCATION L0002388 VOLUME   652958.997 4189315.689 0.0
   LOCATION L0002389 VOLUME   652955.510 4189365.148 0.0
   LOCATION L0002390 VOLUME   652952.024 4189414.606 0.0
   LOCATION L0002391 VOLUME   652948.537 4189464.064 0.0
   LOCATION L0002392 VOLUME   652945.050 4189513.522 0.0
   LOCATION L0002393 VOLUME   652941.564 4189562.981 0.0
   LOCATION L0002394 VOLUME   652938.077 4189612.439 0.0
   LOCATION L0002395 VOLUME   652934.590 4189661.897 0.0
   LOCATION L0002396 VOLUME   652931.104 4189711.355 0.0
   LOCATION L0002397 VOLUME   652927.617 4189760.814 0.0
   LOCATION L0002398 VOLUME   652924.131 4189810.272 0.0
   LOCATION L0002399 VOLUME   652920.644 4189859.730 0.0
   LOCATION L0002400 VOLUME   652917.157 4189909.188 0.0
   LOCATION L0002401 VOLUME   652913.671 4189958.647 0.0
   LOCATION L0002402 VOLUME   652910.184 4190008.105 0.0
   LOCATION L0002403 VOLUME   652906.698 4190057.563 0.0
   LOCATION L0002404 VOLUME   652903.211 4190107.022 0.0
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LOCATION L0002405 VOLUME    652899.724 4190156.480 0.0
LOCATION L0002406 VOLUME    652896.238 4190205.938 0.0
LOCATION L0002407 VOLUME    652892.751 4190255.396 0.0
LOCATION L0002408 VOLUME    652889.265 4190304.855 0.0
LOCATION L0002409 VOLUME    652885.778 4190354.313 0.0
LOCATION L0002410 VOLUME    652882.291 4190403.771 0.0
LOCATION L0002411 VOLUME    652878.805 4190453.229 0.0
LOCATION L0002412 VOLUME    652875.318 4190502.688 0.0
LOCATION L0002413 VOLUME    652871.831 4190552.146 0.0
LOCATION L0002414 VOLUME    652868.345 4190601.604 0.0
LOCATION L0002415 VOLUME    652864.541 4190651.006 0.0
LOCATION L0002416 VOLUME    652850.768 4190698.636 0.0
LOCATION L0002417 VOLUME    652836.996 4190746.266 0.0
LOCATION L0002418 VOLUME    652847.661 4190745.771 0.0
LOCATION L0002419 VOLUME    652860.893 4190697.989 0.0
LOCATION L0002420 VOLUME    652869.473 4190649.402 0.0
LOCATION L0002421 VOLUME    652873.046 4190599.950 0.0
LOCATION L0002422 VOLUME    652876.620 4190550.498 0.0
LOCATION L0002423 VOLUME    652880.193 4190501.046 0.0
LOCATION L0002424 VOLUME    652883.766 4190451.594 0.0
LOCATION L0002425 VOLUME    652887.340 4190402.142 0.0
LOCATION L0002426 VOLUME    652890.913 4190352.690 0.0
LOCATION L0002427 VOLUME    652894.486 4190303.238 0.0
LOCATION L0002428 VOLUME    652898.059 4190253.785 0.0
LOCATION L0002429 VOLUME    652901.633 4190204.333 0.0
LOCATION L0002430 VOLUME    652905.206 4190154.881 0.0
LOCATION L0002431 VOLUME    652908.779 4190105.429 0.0
LOCATION L0002432 VOLUME    652912.353 4190055.977 0.0
LOCATION L0002433 VOLUME    652915.926 4190006.525 0.0
LOCATION L0002434 VOLUME    652919.499 4189957.073 0.0
LOCATION L0002435 VOLUME    652923.073 4189907.621 0.0
LOCATION L0002436 VOLUME    652926.646 4189858.169 0.0
LOCATION L0002437 VOLUME    652930.219 4189808.717 0.0
LOCATION L0002438 VOLUME    652933.793 4189759.265 0.0
LOCATION L0002439 VOLUME    652937.366 4189709.813 0.0
LOCATION L0002440 VOLUME    652940.939 4189660.361 0.0
LOCATION L0002441 VOLUME    652944.512 4189610.909 0.0
LOCATION L0002442 VOLUME    652948.086 4189561.457 0.0
LOCATION L0002443 VOLUME    652951.659 4189512.004 0.0
LOCATION L0002444 VOLUME    652955.232 4189462.552 0.0
LOCATION L0002445 VOLUME    652958.806 4189413.100 0.0
LOCATION L0002446 VOLUME    652962.379 4189363.648 0.0
LOCATION L0002447 VOLUME    652965.952 4189314.196 0.0
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LOCATION L0002449 VOLUME    652973.099 4189215.292 0.0
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LOCATION L0002451 VOLUME    652980.246 4189116.388 0.0
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LOCATION L0002457 VOLUME    653001.685 4188819.675 0.0
LOCATION L0002458 VOLUME    653005.259 4188770.223 0.0
LOCATION L0002459 VOLUME    653008.832 4188720.771 0.0
LOCATION L0002460 VOLUME    653012.405 4188671.319 0.0
LOCATION L0002461 VOLUME    653015.979 4188621.867 0.0
LOCATION L0002462 VOLUME    653019.552 4188572.415 0.0
LOCATION L0002463 VOLUME    653023.125 4188522.963 0.0
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LOCATION L0012373 VOLUME    653011.296 4188573.816 0.0
LOCATION L0012374 VOLUME    653007.809 4188623.274 0.0
LOCATION L0012375 VOLUME    653004.323 4188672.732 0.0
LOCATION L0012376 VOLUME    653000.836 4188722.190 0.0
LOCATION L0012377 VOLUME    652997.350 4188771.649 0.0
LOCATION L0012378 VOLUME    652993.863 4188821.107 0.0
LOCATION L0012379 VOLUME    652990.376 4188870.565 0.0
LOCATION L0012380 VOLUME    652986.890 4188920.023 0.0
LOCATION L0012381 VOLUME    652983.403 4188969.482 0.0
LOCATION L0012382 VOLUME    652979.916 4189018.940 0.0
LOCATION L0012383 VOLUME    652976.430 4189068.398 0.0
LOCATION L0012384 VOLUME    652972.943 4189117.856 0.0
LOCATION L0012385 VOLUME    652969.457 4189167.315 0.0
LOCATION L0012386 VOLUME    652965.970 4189216.773 0.0
LOCATION L0012387 VOLUME    652962.483 4189266.231 0.0
LOCATION L0012388 VOLUME    652958.997 4189315.689 0.0
LOCATION L0012389 VOLUME    652955.510 4189365.148 0.0
LOCATION L0012390 VOLUME    652952.024 4189414.606 0.0
LOCATION L0012391 VOLUME    652948.537 4189464.064 0.0
LOCATION L0012392 VOLUME    652945.050 4189513.522 0.0
LOCATION L0012393 VOLUME    652941.564 4189562.981 0.0
LOCATION L0012394 VOLUME    652938.077 4189612.439 0.0
LOCATION L0012395 VOLUME    652934.590 4189661.897 0.0
LOCATION L0012396 VOLUME    652931.104 4189711.355 0.0
LOCATION L0012397 VOLUME    652927.617 4189760.814 0.0
LOCATION L0012398 VOLUME    652924.131 4189810.272 0.0
LOCATION L0012399 VOLUME    652920.644 4189859.730 0.0
LOCATION L0012400 VOLUME    652917.157 4189909.188 0.0
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LOCATION L0012405 VOLUME    652899.724 4190156.480 0.0
LOCATION L0012406 VOLUME    652896.238 4190205.938 0.0
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LOCATION L0012408 VOLUME    652889.265 4190304.855 0.0
LOCATION L0012409 VOLUME    652885.778 4190354.313 0.0
LOCATION L0012410 VOLUME    652882.291 4190403.771 0.0
LOCATION L0012411 VOLUME    652878.805 4190453.229 0.0
LOCATION L0012412 VOLUME    652875.318 4190502.688 0.0
LOCATION L0012413 VOLUME    652871.831 4190552.146 0.0
LOCATION L0012414 VOLUME    652868.345 4190601.604 0.0
LOCATION L0012415 VOLUME    652864.541 4190651.006 0.0
LOCATION L0012416 VOLUME    652850.768 4190698.636 0.0
LOCATION L0012417 VOLUME    652836.996 4190746.266 0.0
LOCATION L0012418 VOLUME    652847.661 4190745.771 0.0
LOCATION L0012419 VOLUME    652860.893 4190697.989 0.0
LOCATION L0012420 VOLUME    652869.473 4190649.402 0.0
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   LOCATION L0012421 VOLUME   652873.046 4190599.950 0.0
   LOCATION L0012422 VOLUME   652876.620 4190550.498 0.0
   LOCATION L0012423 VOLUME   652880.193 4190501.046 0.0
   LOCATION L0012424 VOLUME   652883.766 4190451.594 0.0
   LOCATION L0012425 VOLUME   652887.340 4190402.142 0.0
   LOCATION L0012426 VOLUME   652890.913 4190352.690 0.0
   LOCATION L0012427 VOLUME   652894.486 4190303.238 0.0
   LOCATION L0012428 VOLUME   652898.059 4190253.785 0.0
   LOCATION L0012429 VOLUME   652901.633 4190204.333 0.0
   LOCATION L0012430 VOLUME   652905.206 4190154.881 0.0
   LOCATION L0012431 VOLUME   652908.779 4190105.429 0.0
   LOCATION L0012432 VOLUME   652912.353 4190055.977 0.0
   LOCATION L0012433 VOLUME   652915.926 4190006.525 0.0
   LOCATION L0012434 VOLUME   652919.499 4189957.073 0.0
   LOCATION L0012435 VOLUME   652923.073 4189907.621 0.0
   LOCATION L0012436 VOLUME   652926.646 4189858.169 0.0
   LOCATION L0012437 VOLUME   652930.219 4189808.717 0.0
   LOCATION L0012438 VOLUME   652933.793 4189759.265 0.0
   LOCATION L0012439 VOLUME   652937.366 4189709.813 0.0
   LOCATION L0012440 VOLUME   652940.939 4189660.361 0.0
   LOCATION L0012441 VOLUME   652944.512 4189610.909 0.0
   LOCATION L0012442 VOLUME   652948.086 4189561.457 0.0
   LOCATION L0012443 VOLUME   652951.659 4189512.004 0.0
   LOCATION L0012444 VOLUME   652955.232 4189462.552 0.0
   LOCATION L0012445 VOLUME   652958.806 4189413.100 0.0
   LOCATION L0012446 VOLUME   652962.379 4189363.648 0.0
   LOCATION L0012447 VOLUME   652965.952 4189314.196 0.0
   LOCATION L0012448 VOLUME   652969.526 4189264.744 0.0
   LOCATION L0012449 VOLUME   652973.099 4189215.292 0.0
   LOCATION L0012450 VOLUME   652976.672 4189165.840 0.0
   LOCATION L0012451 VOLUME   652980.246 4189116.388 0.0
   LOCATION L0012452 VOLUME   652983.819 4189066.936 0.0
   LOCATION L0012453 VOLUME   652987.392 4189017.484 0.0
   LOCATION L0012454 VOLUME   652990.966 4188968.032 0.0
   LOCATION L0012455 VOLUME   652994.539 4188918.580 0.0
   LOCATION L0012456 VOLUME   652998.112 4188869.128 0.0
   LOCATION L0012457 VOLUME   653001.685 4188819.675 0.0
   LOCATION L0012458 VOLUME   653005.259 4188770.223 0.0
   LOCATION L0012459 VOLUME   653008.832 4188720.771 0.0
   LOCATION L0012460 VOLUME   653012.405 4188671.319 0.0
   LOCATION L0012461 VOLUME   653015.979 4188621.867 0.0
   LOCATION L0012462 VOLUME   653019.552 4188572.415 0.0
   LOCATION L0012463 VOLUME   653023.125 4188522.963 0.0
   LOCATION L0012464 VOLUME   653025.908 4188473.462 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------------------------------------------------------------------
** LINE Source ID = SLINE5
** DESCRSRC
** Length of Side = 25.00
** Emission Rate = 0.1
** Elevated
** Building Height = 5.60
** SZINIT = 2.60
** Nodes = 8
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** 653101.79, 4188608.65, 0.00, 0.00, 23.10
** 652965.27, 4190553.41, 0.00, 0.00, 23.10
** 652949.94, 4190614.71, 0.00, 0.00, 0.00
** 652958.30, 4190614.71, 0.00, 0.00, 23.10
** 652973.63, 4190557.59, 0.00, 0.00, 23.10
** 653110.15, 4188617.01, 0.00, 0.00, 23.10
** 653100.40, 4188540.39, 0.00, 0.00, 0.00
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   LOCATION L0002466 VOLUME   653096.037 4188576.511 0.0
   LOCATION L0002467 VOLUME   653100.600 4188625.632 0.0
   LOCATION L0002468 VOLUME   653097.122 4188675.185 0.0
   LOCATION L0002469 VOLUME   653093.643 4188724.738 0.0
   LOCATION L0002470 VOLUME   653090.164 4188774.290 0.0
   LOCATION L0002471 VOLUME   653086.686 4188823.843 0.0
   LOCATION L0002472 VOLUME   653083.207 4188873.396 0.0
   LOCATION L0002473 VOLUME   653079.728 4188922.949 0.0
   LOCATION L0002474 VOLUME   653076.250 4188972.501 0.0
   LOCATION L0002475 VOLUME   653072.771 4189022.054 0.0
   LOCATION L0002476 VOLUME   653069.293 4189071.607 0.0
   LOCATION L0002477 VOLUME   653065.814 4189121.160 0.0
   LOCATION L0002478 VOLUME   653062.335 4189170.712 0.0
   LOCATION L0002479 VOLUME   653058.857 4189220.265 0.0
   LOCATION L0002480 VOLUME   653055.378 4189269.818 0.0
   LOCATION L0002481 VOLUME   653051.899 4189319.370 0.0
   LOCATION L0002482 VOLUME   653048.421 4189368.923 0.0
   LOCATION L0002483 VOLUME   653044.942 4189418.476 0.0
   LOCATION L0002484 VOLUME   653041.463 4189468.029 0.0
   LOCATION L0002485 VOLUME   653037.985 4189517.581 0.0
   LOCATION L0002486 VOLUME   653034.506 4189567.134 0.0
   LOCATION L0002487 VOLUME   653031.028 4189616.687 0.0
   LOCATION L0002488 VOLUME   653027.549 4189666.240 0.0
   LOCATION L0002489 VOLUME   653024.070 4189715.792 0.0
   LOCATION L0002490 VOLUME   653020.592 4189765.345 0.0
   LOCATION L0002491 VOLUME   653017.113 4189814.898 0.0
   LOCATION L0002492 VOLUME   653013.634 4189864.451 0.0
   LOCATION L0002493 VOLUME   653010.156 4189914.003 0.0
   LOCATION L0002494 VOLUME   653006.677 4189963.556 0.0
   LOCATION L0002495 VOLUME   653003.199 4190013.109 0.0
   LOCATION L0002496 VOLUME   652999.720 4190062.662 0.0
   LOCATION L0002497 VOLUME   652996.241 4190112.214 0.0
   LOCATION L0002498 VOLUME   652992.763 4190161.767 0.0
   LOCATION L0002499 VOLUME   652989.284 4190211.320 0.0
   LOCATION L0002500 VOLUME   652985.805 4190260.873 0.0
   LOCATION L0002501 VOLUME   652982.327 4190310.425 0.0
   LOCATION L0002502 VOLUME   652978.848 4190359.978 0.0
   LOCATION L0002503 VOLUME   652975.369 4190409.531 0.0
   LOCATION L0002504 VOLUME   652971.891 4190459.084 0.0
   LOCATION L0002505 VOLUME   652968.412 4190508.636 0.0
   LOCATION L0002506 VOLUME   652964.108 4190558.058 0.0
   LOCATION L0002507 VOLUME   652952.060 4190606.249 0.0
   LOCATION L0002508 VOLUME   652966.750 4190583.227 0.0
   LOCATION L0002509 VOLUME   652975.251 4190534.516 0.0
   LOCATION L0002510 VOLUME   652978.737 4190484.964 0.0
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LOCATION L0002511 VOLUME   652982.223 4190435.411 0.0
LOCATION L0002512 VOLUME   652985.709 4190385.859 0.0
LOCATION L0002513 VOLUME   652989.195 4190336.307 0.0
LOCATION L0002514 VOLUME   652992.681 4190286.755 0.0
LOCATION L0002515 VOLUME   652996.167 4190237.203 0.0
LOCATION L0002516 VOLUME   652999.654 4190187.650 0.0
LOCATION L0002517 VOLUME   653003.140 4190138.098 0.0
LOCATION L0002518 VOLUME   653006.626 4190088.546 0.0
LOCATION L0002519 VOLUME   653010.112 4190038.994 0.0
LOCATION L0002520 VOLUME   653013.598 4189989.441 0.0
LOCATION L0002521 VOLUME   653017.084 4189939.889 0.0
LOCATION L0002522 VOLUME   653020.570 4189890.337 0.0
LOCATION L0002523 VOLUME   653024.056 4189840.785 0.0
LOCATION L0002524 VOLUME   653027.542 4189791.233 0.0
LOCATION L0002525 VOLUME   653031.028 4189741.680 0.0
LOCATION L0002526 VOLUME   653034.514 4189692.128 0.0
LOCATION L0002527 VOLUME   653038.000 4189642.576 0.0
LOCATION L0002528 VOLUME   653041.487 4189593.024 0.0
LOCATION L0002529 VOLUME   653044.973 4189543.471 0.0
LOCATION L0002530 VOLUME   653048.459 4189493.919 0.0
LOCATION L0002531 VOLUME   653051.945 4189444.367 0.0
LOCATION L0002532 VOLUME   653055.431 4189394.815 0.0
LOCATION L0002533 VOLUME   653058.917 4189345.263 0.0
LOCATION L0002534 VOLUME   653062.403 4189295.710 0.0
LOCATION L0002535 VOLUME   653065.889 4189246.158 0.0
LOCATION L0002536 VOLUME   653069.375 4189196.606 0.0
LOCATION L0002537 VOLUME   653072.861 4189147.054 0.0
LOCATION L0002538 VOLUME   653076.347 4189097.501 0.0
LOCATION L0002539 VOLUME   653079.834 4189047.949 0.0
LOCATION L0002540 VOLUME   653083.320 4188998.397 0.0
LOCATION L0002541 VOLUME   653086.806 4188948.845 0.0
LOCATION L0002542 VOLUME   653090.292 4188899.293 0.0
LOCATION L0002543 VOLUME   653093.778 4188849.740 0.0
LOCATION L0002544 VOLUME   653097.264 4188800.188 0.0
LOCATION L0002545 VOLUME   653100.750 4188750.636 0.0
LOCATION L0002546 VOLUME   653104.236 4188701.084 0.0
LOCATION L0002547 VOLUME   653107.722 4188651.531 0.0
LOCATION L0002548 VOLUME   653108.249 4188602.063 0.0
LOCATION L0002549 VOLUME   653101.978 4188552.785 0.0
LOCATION L0012465 VOLUME   653087.279 4188527.614 0.0
LOCATION L0012466 VOLUME   653096.037 4188576.511 0.0
LOCATION L0012467 VOLUME   653100.600 4188625.632 0.0
LOCATION L0012468 VOLUME   653097.122 4188675.185 0.0
LOCATION L0012469 VOLUME   653093.643 4188724.738 0.0
LOCATION L0012470 VOLUME   653090.164 4188774.290 0.0
LOCATION L0012471 VOLUME   653086.686 4188823.843 0.0
LOCATION L0012472 VOLUME   653083.207 4188873.396 0.0
LOCATION L0012473 VOLUME   653079.728 4188922.949 0.0
LOCATION L0012474 VOLUME   653076.250 4188972.501 0.0
LOCATION L0012475 VOLUME   653072.771 4189022.054 0.0
LOCATION L0012476 VOLUME   653069.293 4189071.607 0.0
LOCATION L0012477 VOLUME   653065.814 4189121.160 0.0
LOCATION L0012478 VOLUME   653062.335 4189170.712 0.0
LOCATION L0012479 VOLUME   653058.857 4189220.265 0.0
LOCATION L0012480 VOLUME   653055.378 4189269.818 0.0
LOCATION L0012481 VOLUME   653051.899 4189319.370 0.0
LOCATION L0012482 VOLUME   653048.421 4189368.923 0.0
LOCATION L0012483 VOLUME   653044.942 4189418.476 0.0
LOCATION L0012484 VOLUME   653041.463 4189468.029 0.0
LOCATION L0012485 VOLUME   653037.985 4189517.581 0.0
LOCATION L0012486 VOLUME   653034.506 4189567.134 0.0
LOCATION L0012487 VOLUME   653031.028 4189616.687 0.0
LOCATION L0012488 VOLUME   653027.549 4189666.240 0.0
LOCATION L0012489 VOLUME   653024.070 4189715.792 0.0
LOCATION L0012490 VOLUME   653020.592 4189765.345 0.0
LOCATION L0012491 VOLUME   653017.113 4189814.898 0.0
LOCATION L0012492 VOLUME   653013.634 4189864.451 0.0
LOCATION L0012493 VOLUME   653010.156 4189914.003 0.0
LOCATION L0012494 VOLUME   653006.677 4189963.556 0.0
LOCATION L0012495 VOLUME   653003.199 4190013.109 0.0
LOCATION L0012496 VOLUME   652999.720 4190062.662 0.0
LOCATION L0012497 VOLUME   652996.241 4190112.214 0.0
LOCATION L0012498 VOLUME   652992.763 4190161.767 0.0
LOCATION L0012499 VOLUME   652989.284 4190211.320 0.0
LOCATION L0012500 VOLUME   652985.805 4190260.873 0.0
LOCATION L0012501 VOLUME   652982.327 4190310.425 0.0
LOCATION L0012502 VOLUME   652978.848 4190359.978 0.0
LOCATION L0012503 VOLUME   652975.369 4190409.531 0.0
LOCATION L0012504 VOLUME   652971.891 4190459.084 0.0
LOCATION L0012505 VOLUME   652968.412 4190508.636 0.0
LOCATION L0012506 VOLUME   652964.108 4190558.058 0.0
LOCATION L0012507 VOLUME   652952.060 4190606.249 0.0
LOCATION L0012508 VOLUME   652966.750 4190583.227 0.0
LOCATION L0012509 VOLUME   652975.251 4190534.516 0.0
LOCATION L0012510 VOLUME   652978.737 4190484.964 0.0
LOCATION L0012511 VOLUME   652982.223 4190435.411 0.0
LOCATION L0012512 VOLUME   652985.709 4190385.859 0.0
LOCATION L0012513 VOLUME   652989.195 4190336.307 0.0
LOCATION L0012514 VOLUME   652992.681 4190286.755 0.0
LOCATION L0012515 VOLUME   652996.167 4190237.203 0.0
LOCATION L0012516 VOLUME   652999.654 4190187.650 0.0
LOCATION L0012517 VOLUME   653003.140 4190138.098 0.0
LOCATION L0012518 VOLUME   653006.626 4190088.546 0.0
LOCATION L0012519 VOLUME   653010.112 4190038.994 0.0
LOCATION L0012520 VOLUME   653013.598 4189989.441 0.0
LOCATION L0012521 VOLUME   653017.084 4189939.889 0.0
LOCATION L0012522 VOLUME   653020.570 4189890.337 0.0
LOCATION L0012523 VOLUME   653024.056 4189840.785 0.0
LOCATION L0012524 VOLUME   653027.542 4189791.233 0.0
LOCATION L0012525 VOLUME   653031.028 4189741.680 0.0
LOCATION L0012526 VOLUME   653034.514 4189692.128 0.0
LOCATION L0012527 VOLUME   653038.000 4189642.576 0.0
LOCATION L0012528 VOLUME   653041.487 4189593.024 0.0
LOCATION L0012529 VOLUME   653044.973 4189543.471 0.0
LOCATION L0012530 VOLUME   653048.459 4189493.919 0.0
LOCATION L0012531 VOLUME   653051.945 4189444.367 0.0
LOCATION L0012532 VOLUME   653055.431 4189394.815 0.0
LOCATION L0012533 VOLUME   653058.917 4189345.263 0.0
LOCATION L0012534 VOLUME   653062.403 4189295.710 0.0
LOCATION L0012535 VOLUME   653065.889 4189246.158 0.0
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   LOCATION L0012536 VOLUME   653069.375 4189196.606 0.0
   LOCATION L0012537 VOLUME   653072.861 4189147.054 0.0
   LOCATION L0012538 VOLUME   653076.347 4189097.501 0.0
   LOCATION L0012539 VOLUME   653079.834 4189047.949 0.0
   LOCATION L0012540 VOLUME   653083.320 4188998.397 0.0
   LOCATION L0012541 VOLUME   653086.806 4188948.845 0.0
   LOCATION L0012542 VOLUME   653090.292 4188899.293 0.0
   LOCATION L0012543 VOLUME   653093.778 4188849.740 0.0
   LOCATION L0012544 VOLUME   653097.264 4188800.188 0.0
   LOCATION L0012545 VOLUME   653100.750 4188750.636 0.0
   LOCATION L0012546 VOLUME   653104.236 4188701.084 0.0
   LOCATION L0012547 VOLUME   653107.722 4188651.531 0.0
   LOCATION L0012548 VOLUME   653108.249 4188602.063 0.0
   LOCATION L0012549 VOLUME   653101.978 4188552.785 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE6
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 2
** 653206.27, 4188781.39, 0.00, 0.00, 0.00
** 653183.99, 4189086.48, 0.00, 0.00, 0.00
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   LOCATION L0002550 VOLUME   653205.546 4188791.365 0.0
   LOCATION L0002551 VOLUME   653202.942 4188827.008 0.0
   LOCATION L0002552 VOLUME   653200.338 4188862.650 0.0
   LOCATION L0002553 VOLUME   653197.734 4188898.293 0.0
   LOCATION L0002554 VOLUME   653195.130 4188933.936 0.0
   LOCATION L0002555 VOLUME   653192.526 4188969.579 0.0
   LOCATION L0002556 VOLUME   653189.922 4189005.221 0.0
   LOCATION L0002557 VOLUME   653187.318 4189040.864 0.0
   LOCATION L0002558 VOLUME   653184.714 4189076.507 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE7
** DESCRSRC
** Length of Side = 25.00
** Emission Rate = 0.1
** Elevated
** Building Height = 5.60
** SZINIT = 2.60
** Nodes = 2
** 653207.67, 4188519.49, 0.00, 0.00, 0.00
** 653092.04, 4190145.24, 0.00, 0.00, 0.00
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   LOCATION L0002559 VOLUME   653206.781 4188531.958 0.0
   LOCATION L0002560 VOLUME   653203.331 4188580.467 0.0
   LOCATION L0002561 VOLUME   653199.881 4188628.976 0.0
   LOCATION L0002562 VOLUME   653196.431 4188677.486 0.0
   LOCATION L0002563 VOLUME   653192.981 4188725.995 0.0
   LOCATION L0002564 VOLUME   653189.531 4188774.504 0.0
   LOCATION L0002565 VOLUME   653186.081 4188823.014 0.0
   LOCATION L0002566 VOLUME   653182.630 4188871.523 0.0
   LOCATION L0002567 VOLUME   653179.180 4188920.032 0.0
   LOCATION L0002568 VOLUME   653175.730 4188968.542 0.0
   LOCATION L0002569 VOLUME   653172.280 4189017.051 0.0
   LOCATION L0002570 VOLUME   653168.830 4189065.561 0.0
   LOCATION L0002571 VOLUME   653165.380 4189114.070 0.0
   LOCATION L0002572 VOLUME   653161.930 4189162.579 0.0
   LOCATION L0002573 VOLUME   653158.480 4189211.089 0.0
   LOCATION L0002574 VOLUME   653155.030 4189259.598 0.0
   LOCATION L0002575 VOLUME   653151.579 4189308.107 0.0
   LOCATION L0002576 VOLUME   653148.129 4189356.617 0.0
   LOCATION L0002577 VOLUME   653144.679 4189405.126 0.0
   LOCATION L0002578 VOLUME   653141.229 4189453.635 0.0
   LOCATION L0002579 VOLUME   653137.779 4189502.145 0.0
   LOCATION L0002580 VOLUME   653134.329 4189550.654 0.0
   LOCATION L0002581 VOLUME   653130.879 4189599.164 0.0
   LOCATION L0002582 VOLUME   653127.429 4189647.673 0.0
   LOCATION L0002583 VOLUME   653123.979 4189696.182 0.0
   LOCATION L0002584 VOLUME   653120.529 4189744.692 0.0
   LOCATION L0002585 VOLUME   653117.078 4189793.201 0.0
   LOCATION L0002586 VOLUME   653113.628 4189841.710 0.0
   LOCATION L0002587 VOLUME   653110.178 4189890.220 0.0
   LOCATION L0002588 VOLUME   653106.728 4189938.729 0.0
   LOCATION L0002589 VOLUME   653103.278 4189987.238 0.0
   LOCATION L0002590 VOLUME   653099.828 4190035.748 0.0
   LOCATION L0002591 VOLUME   653096.378 4190084.257 0.0
   LOCATION L0002592 VOLUME   653092.928 4190132.767 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE8
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 2
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** 653051.64, 4190167.52, 0.00, 0.00, 0.00
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   LOCATION L0002593 VOLUME   653166.567 4188533.644 0.0
   LOCATION L0002594 VOLUME   653163.781 4188573.251 0.0
   LOCATION L0002595 VOLUME   653160.995 4188612.859 0.0
   LOCATION L0002596 VOLUME   653158.209 4188652.466 0.0
   LOCATION L0002597 VOLUME   653155.423 4188692.073 0.0
   LOCATION L0002598 VOLUME   653152.637 4188731.681 0.0
   LOCATION L0002599 VOLUME   653149.851 4188771.288 0.0
   LOCATION L0002600 VOLUME   653147.065 4188810.896 0.0
   LOCATION L0002601 VOLUME   653144.279 4188850.503 0.0
   LOCATION L0002602 VOLUME   653141.493 4188890.111 0.0
   LOCATION L0002603 VOLUME   653138.707 4188929.718 0.0
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   LOCATION L0002604 VOLUME   653135.921 4188969.326 0.0
   LOCATION L0002605 VOLUME   653133.135 4189008.933 0.0
   LOCATION L0002606 VOLUME   653130.349 4189048.541 0.0
   LOCATION L0002607 VOLUME   653127.563 4189088.148 0.0
   LOCATION L0002608 VOLUME   653124.777 4189127.755 0.0
   LOCATION L0002609 VOLUME   653121.991 4189167.363 0.0
   LOCATION L0002610 VOLUME   653119.205 4189206.970 0.0
   LOCATION L0002611 VOLUME   653116.419 4189246.578 0.0
   LOCATION L0002612 VOLUME   653113.633 4189286.185 0.0
   LOCATION L0002613 VOLUME   653110.848 4189325.793 0.0
   LOCATION L0002614 VOLUME   653108.062 4189365.400 0.0
   LOCATION L0002615 VOLUME   653105.276 4189405.008 0.0
   LOCATION L0002616 VOLUME   653102.490 4189444.615 0.0
   LOCATION L0002617 VOLUME   653099.704 4189484.223 0.0
   LOCATION L0002618 VOLUME   653096.918 4189523.830 0.0
   LOCATION L0002619 VOLUME   653094.132 4189563.437 0.0
   LOCATION L0002620 VOLUME   653091.346 4189603.045 0.0
   LOCATION L0002621 VOLUME   653088.560 4189642.652 0.0
   LOCATION L0002622 VOLUME   653085.774 4189682.260 0.0
   LOCATION L0002623 VOLUME   653082.988 4189721.867 0.0
   LOCATION L0002624 VOLUME   653080.202 4189761.475 0.0
   LOCATION L0002625 VOLUME   653077.416 4189801.082 0.0
   LOCATION L0002626 VOLUME   653074.630 4189840.690 0.0
   LOCATION L0002627 VOLUME   653071.844 4189880.297 0.0
   LOCATION L0002628 VOLUME   653069.058 4189919.905 0.0
   LOCATION L0002629 VOLUME   653066.272 4189959.512 0.0
   LOCATION L0002630 VOLUME   653063.486 4189999.120 0.0
   LOCATION L0002631 VOLUME   653060.700 4190038.727 0.0
   LOCATION L0002632 VOLUME   653057.915 4190078.334 0.0
   LOCATION L0002633 VOLUME   653055.129 4190117.942 0.0
   LOCATION L0002634 VOLUME   653052.343 4190157.549 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE9
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 2
** 653150.55, 4188523.67, 0.00, 0.00, 0.00
** 653015.42, 4190419.68, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002635 VOLUME   653149.840 4188533.643 0.0
   LOCATION L0002636 VOLUME   653147.054 4188572.728 0.0
   LOCATION L0002637 VOLUME   653144.269 4188611.812 0.0
   LOCATION L0002638 VOLUME   653141.483 4188650.897 0.0
   LOCATION L0002639 VOLUME   653138.698 4188689.981 0.0
   LOCATION L0002640 VOLUME   653135.912 4188729.066 0.0
   LOCATION L0002641 VOLUME   653133.126 4188768.150 0.0
   LOCATION L0002642 VOLUME   653130.341 4188807.235 0.0
   LOCATION L0002643 VOLUME   653127.555 4188846.319 0.0
   LOCATION L0002644 VOLUME   653124.770 4188885.404 0.0
   LOCATION L0002645 VOLUME   653121.984 4188924.488 0.0
   LOCATION L0002646 VOLUME   653119.198 4188963.573 0.0
   LOCATION L0002647 VOLUME   653116.413 4189002.657 0.0
   LOCATION L0002648 VOLUME   653113.627 4189041.742 0.0
   LOCATION L0002649 VOLUME   653110.842 4189080.827 0.0
   LOCATION L0002650 VOLUME   653108.056 4189119.911 0.0
   LOCATION L0002651 VOLUME   653105.270 4189158.996 0.0
   LOCATION L0002652 VOLUME   653102.485 4189198.080 0.0
   LOCATION L0002653 VOLUME   653099.699 4189237.165 0.0
   LOCATION L0002654 VOLUME   653096.914 4189276.249 0.0
   LOCATION L0002655 VOLUME   653094.128 4189315.334 0.0
   LOCATION L0002656 VOLUME   653091.342 4189354.418 0.0
   LOCATION L0002657 VOLUME   653088.557 4189393.503 0.0
   LOCATION L0002658 VOLUME   653085.771 4189432.587 0.0
   LOCATION L0002659 VOLUME   653082.986 4189471.672 0.0
   LOCATION L0002660 VOLUME   653080.200 4189510.756 0.0
   LOCATION L0002661 VOLUME   653077.415 4189549.841 0.0
   LOCATION L0002662 VOLUME   653074.629 4189588.926 0.0
   LOCATION L0002663 VOLUME   653071.843 4189628.010 0.0
   LOCATION L0002664 VOLUME   653069.058 4189667.095 0.0
   LOCATION L0002665 VOLUME   653066.272 4189706.179 0.0
   LOCATION L0002666 VOLUME   653063.487 4189745.264 0.0
   LOCATION L0002667 VOLUME   653060.701 4189784.348 0.0
   LOCATION L0002668 VOLUME   653057.915 4189823.433 0.0
   LOCATION L0002669 VOLUME   653055.130 4189862.517 0.0
   LOCATION L0002670 VOLUME   653052.344 4189901.602 0.0
   LOCATION L0002671 VOLUME   653049.559 4189940.686 0.0
   LOCATION L0002672 VOLUME   653046.773 4189979.771 0.0
   LOCATION L0002673 VOLUME   653043.987 4190018.855 0.0
   LOCATION L0002674 VOLUME   653041.202 4190057.940 0.0
   LOCATION L0002675 VOLUME   653038.416 4190097.025 0.0
   LOCATION L0002676 VOLUME   653035.631 4190136.109 0.0
   LOCATION L0002677 VOLUME   653032.845 4190175.194 0.0
   LOCATION L0002678 VOLUME   653030.059 4190214.278 0.0
   LOCATION L0002679 VOLUME   653027.274 4190253.363 0.0
   LOCATION L0002680 VOLUME   653024.488 4190292.447 0.0
   LOCATION L0002681 VOLUME   653021.703 4190331.532 0.0
   LOCATION L0002682 VOLUME   653018.917 4190370.616 0.0
   LOCATION L0002683 VOLUME   653016.131 4190409.701 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE10
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 2
** 653066.97, 4188622.58, 0.00, 0.00, 0.00
** 652931.83, 4190538.09, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002684 VOLUME   653066.261 4188632.554 0.0
   LOCATION L0002685 VOLUME   653063.475 4188672.044 0.0
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   LOCATION L0002686 VOLUME   653060.690 4188711.535 0.0
   LOCATION L0002687 VOLUME   653057.904 4188751.026 0.0
   LOCATION L0002688 VOLUME   653055.118 4188790.517 0.0
   LOCATION L0002689 VOLUME   653052.332 4188830.008 0.0
   LOCATION L0002690 VOLUME   653049.546 4188869.499 0.0
   LOCATION L0002691 VOLUME   653046.760 4188908.989 0.0
   LOCATION L0002692 VOLUME   653043.974 4188948.480 0.0
   LOCATION L0002693 VOLUME   653041.188 4188987.971 0.0
   LOCATION L0002694 VOLUME   653038.402 4189027.462 0.0
   LOCATION L0002695 VOLUME   653035.616 4189066.953 0.0
   LOCATION L0002696 VOLUME   653032.831 4189106.444 0.0
   LOCATION L0002697 VOLUME   653030.045 4189145.934 0.0
   LOCATION L0002698 VOLUME   653027.259 4189185.425 0.0
   LOCATION L0002699 VOLUME   653024.473 4189224.916 0.0
   LOCATION L0002700 VOLUME   653021.687 4189264.407 0.0
   LOCATION L0002701 VOLUME   653018.901 4189303.898 0.0
   LOCATION L0002702 VOLUME   653016.115 4189343.389 0.0
   LOCATION L0002703 VOLUME   653013.329 4189382.879 0.0
   LOCATION L0002704 VOLUME   653010.543 4189422.370 0.0
   LOCATION L0002705 VOLUME   653007.757 4189461.861 0.0
   LOCATION L0002706 VOLUME   653004.972 4189501.352 0.0
   LOCATION L0002707 VOLUME   653002.186 4189540.843 0.0
   LOCATION L0002708 VOLUME   652999.400 4189580.334 0.0
   LOCATION L0002709 VOLUME   652996.614 4189619.824 0.0
   LOCATION L0002710 VOLUME   652993.828 4189659.315 0.0
   LOCATION L0002711 VOLUME   652991.042 4189698.806 0.0
   LOCATION L0002712 VOLUME   652988.256 4189738.297 0.0
   LOCATION L0002713 VOLUME   652985.470 4189777.788 0.0
   LOCATION L0002714 VOLUME   652982.684 4189817.279 0.0
   LOCATION L0002715 VOLUME   652979.898 4189856.769 0.0
   LOCATION L0002716 VOLUME   652977.113 4189896.260 0.0
   LOCATION L0002717 VOLUME   652974.327 4189935.751 0.0
   LOCATION L0002718 VOLUME   652971.541 4189975.242 0.0
   LOCATION L0002719 VOLUME   652968.755 4190014.733 0.0
   LOCATION L0002720 VOLUME   652965.969 4190054.224 0.0
   LOCATION L0002721 VOLUME   652963.183 4190093.714 0.0
   LOCATION L0002722 VOLUME   652960.397 4190133.205 0.0
   LOCATION L0002723 VOLUME   652957.611 4190172.696 0.0
   LOCATION L0002724 VOLUME   652954.825 4190212.187 0.0
   LOCATION L0002725 VOLUME   652952.040 4190251.678 0.0
   LOCATION L0002726 VOLUME   652949.254 4190291.169 0.0
   LOCATION L0002727 VOLUME   652946.468 4190330.660 0.0
   LOCATION L0002728 VOLUME   652943.682 4190370.150 0.0
   LOCATION L0002729 VOLUME   652940.896 4190409.641 0.0
   LOCATION L0002730 VOLUME   652938.110 4190449.132 0.0
   LOCATION L0002731 VOLUME   652935.324 4190488.623 0.0
   LOCATION L0002732 VOLUME   652932.538 4190528.114 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------------------------------------------------------------------
** LINE Source ID = SLINE11
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 2
** 653055.82, 4188530.63, 0.00, 0.00, 0.00
** 652906.76, 4190628.64, 0.00, 0.00, 0.00
** ----------------------------------------------------------------------
   LOCATION L0002733 VOLUME   653055.112 4188540.609 0.0
   LOCATION L0002734 VOLUME   653052.326 4188579.817 0.0
   LOCATION L0002735 VOLUME   653049.540 4188619.026 0.0
   LOCATION L0002736 VOLUME   653046.754 4188658.235 0.0
   LOCATION L0002737 VOLUME   653043.969 4188697.443 0.0
   LOCATION L0002738 VOLUME   653041.183 4188736.652 0.0
   LOCATION L0002739 VOLUME   653038.397 4188775.860 0.0
   LOCATION L0002740 VOLUME   653035.611 4188815.069 0.0
   LOCATION L0002741 VOLUME   653032.826 4188854.278 0.0
   LOCATION L0002742 VOLUME   653030.040 4188893.486 0.0
   LOCATION L0002743 VOLUME   653027.254 4188932.695 0.0
   LOCATION L0002744 VOLUME   653024.468 4188971.903 0.0
   LOCATION L0002745 VOLUME   653021.683 4189011.112 0.0
   LOCATION L0002746 VOLUME   653018.897 4189050.321 0.0
   LOCATION L0002747 VOLUME   653016.111 4189089.529 0.0
   LOCATION L0002748 VOLUME   653013.325 4189128.738 0.0
   LOCATION L0002749 VOLUME   653010.540 4189167.947 0.0
   LOCATION L0002750 VOLUME   653007.754 4189207.155 0.0
   LOCATION L0002751 VOLUME   653004.968 4189246.364 0.0
   LOCATION L0002752 VOLUME   653002.183 4189285.572 0.0
   LOCATION L0002753 VOLUME   652999.397 4189324.781 0.0
   LOCATION L0002754 VOLUME   652996.611 4189363.990 0.0
   LOCATION L0002755 VOLUME   652993.825 4189403.198 0.0
   LOCATION L0002756 VOLUME   652991.040 4189442.407 0.0
   LOCATION L0002757 VOLUME   652988.254 4189481.616 0.0
   LOCATION L0002758 VOLUME   652985.468 4189520.824 0.0
   LOCATION L0002759 VOLUME   652982.682 4189560.033 0.0
   LOCATION L0002760 VOLUME   652979.897 4189599.241 0.0
   LOCATION L0002761 VOLUME   652977.111 4189638.450 0.0
   LOCATION L0002762 VOLUME   652974.325 4189677.659 0.0
   LOCATION L0002763 VOLUME   652971.539 4189716.867 0.0
   LOCATION L0002764 VOLUME   652968.754 4189756.076 0.0
   LOCATION L0002765 VOLUME   652965.968 4189795.284 0.0
   LOCATION L0002766 VOLUME   652963.182 4189834.493 0.0
   LOCATION L0002767 VOLUME   652960.396 4189873.702 0.0
   LOCATION L0002768 VOLUME   652957.611 4189912.910 0.0
   LOCATION L0002769 VOLUME   652954.825 4189952.119 0.0
   LOCATION L0002770 VOLUME   652952.039 4189991.328 0.0
   LOCATION L0002771 VOLUME   652949.254 4190030.536 0.0
   LOCATION L0002772 VOLUME   652946.468 4190069.745 0.0
   LOCATION L0002773 VOLUME   652943.682 4190108.953 0.0
   LOCATION L0002774 VOLUME   652940.896 4190148.162 0.0
   LOCATION L0002775 VOLUME   652938.111 4190187.371 0.0
   LOCATION L0002776 VOLUME   652935.325 4190226.579 0.0
   LOCATION L0002777 VOLUME   652932.539 4190265.788 0.0
   LOCATION L0002778 VOLUME   652929.753 4190304.997 0.0
   LOCATION L0002779 VOLUME   652926.968 4190344.205 0.0
   LOCATION L0002780 VOLUME   652924.182 4190383.414 0.0
   LOCATION L0002781 VOLUME   652921.396 4190422.622 0.0
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   LOCATION L0002782 VOLUME   652918.610 4190461.831 0.0
   LOCATION L0002783 VOLUME   652915.825 4190501.040 0.0
   LOCATION L0002784 VOLUME   652913.039 4190540.248 0.0
   LOCATION L0002785 VOLUME   652910.253 4190579.457 0.0
   LOCATION L0002786 VOLUME   652907.467 4190618.665 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE12
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 2
** 652984.77, 4188438.69, 0.00, 0.00, 0.00
** 652831.53, 4190642.57, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002787 VOLUME   652984.079 4188448.665 0.0
   LOCATION L0002788 VOLUME   652981.318 4188488.373 0.0
   LOCATION L0002789 VOLUME   652978.557 4188528.081 0.0
   LOCATION L0002790 VOLUME   652975.796 4188567.789 0.0
   LOCATION L0002791 VOLUME   652973.035 4188607.497 0.0
   LOCATION L0002792 VOLUME   652970.274 4188647.204 0.0
   LOCATION L0002793 VOLUME   652967.513 4188686.912 0.0
   LOCATION L0002794 VOLUME   652964.752 4188726.620 0.0
   LOCATION L0002795 VOLUME   652961.991 4188766.328 0.0
   LOCATION L0002796 VOLUME   652959.230 4188806.036 0.0
   LOCATION L0002797 VOLUME   652956.469 4188845.743 0.0
   LOCATION L0002798 VOLUME   652953.708 4188885.451 0.0
   LOCATION L0002799 VOLUME   652950.947 4188925.159 0.0
   LOCATION L0002800 VOLUME   652948.186 4188964.867 0.0
   LOCATION L0002801 VOLUME   652945.425 4189004.575 0.0
   LOCATION L0002802 VOLUME   652942.664 4189044.283 0.0
   LOCATION L0002803 VOLUME   652939.903 4189083.990 0.0
   LOCATION L0002804 VOLUME   652937.142 4189123.698 0.0
   LOCATION L0002805 VOLUME   652934.381 4189163.406 0.0
   LOCATION L0002806 VOLUME   652931.620 4189203.114 0.0
   LOCATION L0002807 VOLUME   652928.859 4189242.822 0.0
   LOCATION L0002808 VOLUME   652926.098 4189282.529 0.0
   LOCATION L0002809 VOLUME   652923.337 4189322.237 0.0
   LOCATION L0002810 VOLUME   652920.576 4189361.945 0.0
   LOCATION L0002811 VOLUME   652917.815 4189401.653 0.0
   LOCATION L0002812 VOLUME   652915.054 4189441.361 0.0
   LOCATION L0002813 VOLUME   652912.293 4189481.069 0.0
   LOCATION L0002814 VOLUME   652909.532 4189520.776 0.0
   LOCATION L0002815 VOLUME   652906.771 4189560.484 0.0
   LOCATION L0002816 VOLUME   652904.010 4189600.192 0.0
   LOCATION L0002817 VOLUME   652901.249 4189639.900 0.0
   LOCATION L0002818 VOLUME   652898.488 4189679.608 0.0
   LOCATION L0002819 VOLUME   652895.727 4189719.315 0.0
   LOCATION L0002820 VOLUME   652892.966 4189759.023 0.0
   LOCATION L0002821 VOLUME   652890.205 4189798.731 0.0
   LOCATION L0002822 VOLUME   652887.445 4189838.439 0.0
   LOCATION L0002823 VOLUME   652884.684 4189878.147 0.0
   LOCATION L0002824 VOLUME   652881.923 4189917.855 0.0
   LOCATION L0002825 VOLUME   652879.162 4189957.562 0.0
   LOCATION L0002826 VOLUME   652876.401 4189997.270 0.0
   LOCATION L0002827 VOLUME   652873.640 4190036.978 0.0
   LOCATION L0002828 VOLUME   652870.879 4190076.686 0.0
   LOCATION L0002829 VOLUME   652868.118 4190116.394 0.0
   LOCATION L0002830 VOLUME   652865.357 4190156.102 0.0
   LOCATION L0002831 VOLUME   652862.596 4190195.809 0.0
   LOCATION L0002832 VOLUME   652859.835 4190235.517 0.0
   LOCATION L0002833 VOLUME   652857.074 4190275.225 0.0
   LOCATION L0002834 VOLUME   652854.313 4190314.933 0.0
   LOCATION L0002835 VOLUME   652851.552 4190354.641 0.0
   LOCATION L0002836 VOLUME   652848.791 4190394.348 0.0
   LOCATION L0002837 VOLUME   652846.030 4190434.056 0.0
   LOCATION L0002838 VOLUME   652843.269 4190473.764 0.0
   LOCATION L0002839 VOLUME   652840.508 4190513.472 0.0
   LOCATION L0002840 VOLUME   652837.747 4190553.180 0.0
   LOCATION L0002841 VOLUME   652834.986 4190592.888 0.0
   LOCATION L0002842 VOLUME   652832.225 4190632.595 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE13
** DESCRSRC
** Length of Side = 25.00
** Emission Rate = 0.1
** Elevated
** Building Height = 5.60
** SZINIT = 2.60
** Nodes = 2
** 652979.20, 4190659.29, 0.00, 0.00, 0.00
** 652941.59, 4191192.85, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002843 VOLUME   652978.321 4190671.758 0.0
   LOCATION L0002844 VOLUME   652975.061 4190717.996 0.0
   LOCATION L0002845 VOLUME   652971.802 4190764.234 0.0
   LOCATION L0002846 VOLUME   652968.542 4190810.472 0.0
   LOCATION L0002847 VOLUME   652965.282 4190856.710 0.0
   LOCATION L0002848 VOLUME   652962.023 4190902.948 0.0
   LOCATION L0002849 VOLUME   652958.763 4190949.186 0.0
   LOCATION L0002850 VOLUME   652955.504 4190995.424 0.0
   LOCATION L0002851 VOLUME   652952.244 4191041.662 0.0
   LOCATION L0002852 VOLUME   652948.984 4191087.900 0.0
   LOCATION L0002853 VOLUME   652945.725 4191134.138 0.0
   LOCATION L0002854 VOLUME   652942.465 4191180.376 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE14
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
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** SZINIT = 1.93
** Nodes = 2
** 652933.23, 4190733.12, 0.00, 0.00, 0.00
** 652901.19, 4191164.98, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002855 VOLUME   652932.488 4190743.095 0.0
   LOCATION L0002856 VOLUME   652929.709 4190780.542 0.0
   LOCATION L0002857 VOLUME   652926.931 4190817.989 0.0
   LOCATION L0002858 VOLUME   652924.153 4190855.436 0.0
   LOCATION L0002859 VOLUME   652921.374 4190892.883 0.0
   LOCATION L0002860 VOLUME   652918.596 4190930.330 0.0
   LOCATION L0002861 VOLUME   652915.818 4190967.776 0.0
   LOCATION L0002862 VOLUME   652913.039 4191005.223 0.0
   LOCATION L0002863 VOLUME   652910.261 4191042.670 0.0
   LOCATION L0002864 VOLUME   652907.483 4191080.117 0.0
   LOCATION L0002865 VOLUME   652904.705 4191117.564 0.0
   LOCATION L0002866 VOLUME   652901.926 4191155.011 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE15
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 2
** 652912.33, 4190763.77, 0.00, 0.00, 0.00
** 652885.86, 4191166.38, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002867 VOLUME   652911.675 4190773.749 0.0
   LOCATION L0002868 VOLUME   652909.159 4190812.014 0.0
   LOCATION L0002869 VOLUME   652906.644 4190850.279 0.0
   LOCATION L0002870 VOLUME   652904.128 4190888.544 0.0
   LOCATION L0002871 VOLUME   652901.612 4190926.809 0.0
   LOCATION L0002872 VOLUME   652899.097 4190965.074 0.0
   LOCATION L0002873 VOLUME   652896.581 4191003.338 0.0
   LOCATION L0002874 VOLUME   652894.065 4191041.603 0.0
   LOCATION L0002875 VOLUME   652891.550 4191079.868 0.0
   LOCATION L0002876 VOLUME   652889.034 4191118.133 0.0
   LOCATION L0002877 VOLUME   652886.518 4191156.398 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE16
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 2
** 652869.15, 4190823.67, 0.00, 0.00, 0.00
** 652846.86, 4191164.98, 0.00, 0.00, 0.00
** ------------------------------------------------------------------------
   LOCATION L0002878 VOLUME   652868.493 4190833.653 0.0
   LOCATION L0002879 VOLUME   652866.162 4190869.359 0.0
   LOCATION L0002880 VOLUME   652863.830 4190905.064 0.0
   LOCATION L0002881 VOLUME   652861.498 4190940.770 0.0
   LOCATION L0002882 VOLUME   652859.166 4190976.476 0.0
   LOCATION L0002883 VOLUME   652856.834 4191012.182 0.0
   LOCATION L0002884 VOLUME   652854.503 4191047.887 0.0
   LOCATION L0002885 VOLUME   652852.171 4191083.593 0.0
   LOCATION L0002886 VOLUME   652849.839 4191119.299 0.0
   LOCATION L0002887 VOLUME   652847.507 4191155.005 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE17
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 2
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** 652827.35, 4191166.38, 0.00, 0.00, 0.00
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   LOCATION L0002889 VOLUME   652847.494 4190906.901 0.0
   LOCATION L0002890 VOLUME   652844.727 4190942.545 0.0
   LOCATION L0002891 VOLUME   652841.960 4190978.188 0.0
   LOCATION L0002892 VOLUME   652839.193 4191013.832 0.0
   LOCATION L0002893 VOLUME   652836.427 4191049.476 0.0
   LOCATION L0002894 VOLUME   652833.660 4191085.119 0.0
   LOCATION L0002895 VOLUME   652830.893 4191120.763 0.0
   LOCATION L0002896 VOLUME   652828.126 4191156.406 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
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** LINE Source ID = SLINE18
** DESCRSRC
** Length of Side = 25.00
** Emission Rate = 0.1
** Elevated
** Building Height = 5.60
** SZINIT = 2.60
** Nodes = 2
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** 652658.79, 4191538.33, 0.00, 0.00, 0.00
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   LOCATION L0002898 VOLUME   652934.336 4187706.691 0.0
   LOCATION L0002899 VOLUME   652930.770 4187756.290 0.0
   LOCATION L0002900 VOLUME   652927.203 4187805.890 0.0
   LOCATION L0002901 VOLUME   652923.636 4187855.490 0.0
   LOCATION L0002902 VOLUME   652920.069 4187905.089 0.0
   LOCATION L0002903 VOLUME   652916.502 4187954.689 0.0
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LOCATION	L0002904	VOLUME	652912.935	4188004.289	0.0
LOCATION	L0002905	VOLUME	652909.368	4188053.888	0.0
LOCATION	L0002906	VOLUME	652905.801	4188103.488	0.0
LOCATION	L0002907	VOLUME	652902.234	4188153.088	0.0
LOCATION	L0002908	VOLUME	652898.667	4188202.687	0.0
LOCATION	L0002909	VOLUME	652895.100	4188252.287	0.0
LOCATION	L0002910	VOLUME	652891.533	4188301.887	0.0
LOCATION	L0002911	VOLUME	652887.967	4188351.486	0.0
LOCATION	L0002912	VOLUME	652884.400	4188401.086	0.0
LOCATION	L0002913	VOLUME	652880.833	4188450.686	0.0
LOCATION	L0002914	VOLUME	652877.266	4188500.285	0.0
LOCATION	L0002915	VOLUME	652873.699	4188549.885	0.0
LOCATION	L0002916	VOLUME	652870.132	4188599.485	0.0
LOCATION	L0002917	VOLUME	652866.565	4188649.084	0.0
LOCATION	L0002918	VOLUME	652862.998	4188698.684	0.0
LOCATION	L0002919	VOLUME	652859.431	4188748.284	0.0
LOCATION	L0002920	VOLUME	652855.864	4188797.884	0.0
LOCATION	L0002921	VOLUME	652852.297	4188847.483	0.0
LOCATION	L0002922	VOLUME	652848.730	4188897.083	0.0
LOCATION	L0002923	VOLUME	652845.164	4188946.683	0.0
LOCATION	L0002924	VOLUME	652841.597	4188996.282	0.0
LOCATION	L0002925	VOLUME	652838.030	4189045.882	0.0
LOCATION	L0002926	VOLUME	652834.463	4189095.482	0.0
LOCATION	L0002927	VOLUME	652830.896	4189145.081	0.0
LOCATION	L0002928	VOLUME	652827.329	4189194.681	0.0
LOCATION	L0002929	VOLUME	652823.762	4189244.281	0.0
LOCATION	L0002930	VOLUME	652820.195	4189293.880	0.0
LOCATION	L0002931	VOLUME	652816.628	4189343.480	0.0
LOCATION	L0002932	VOLUME	652813.061	4189393.080	0.0
LOCATION	L0002933	VOLUME	652809.494	4189442.679	0.0
LOCATION	L0002934	VOLUME	652805.927	4189492.279	0.0
LOCATION	L0002935	VOLUME	652802.361	4189541.879	0.0
LOCATION	L0002936	VOLUME	652798.794	4189591.478	0.0
LOCATION	L0002937	VOLUME	652795.227	4189641.078	0.0
LOCATION	L0002938	VOLUME	652791.660	4189690.678	0.0
LOCATION	L0002939	VOLUME	652788.093	4189740.277	0.0
LOCATION	L0002940	VOLUME	652784.526	4189789.877	0.0
LOCATION	L0002941	VOLUME	652780.959	4189839.477	0.0
LOCATION	L0002942	VOLUME	652777.392	4189889.076	0.0
LOCATION	L0002943	VOLUME	652773.825	4189938.676	0.0
LOCATION	L0002944	VOLUME	652770.258	4189988.276	0.0
LOCATION	L0002945	VOLUME	652766.691	4190037.876	0.0
LOCATION	L0002946	VOLUME	652763.124	4190087.475	0.0
LOCATION	L0002947	VOLUME	652759.557	4190137.075	0.0
LOCATION	L0002948	VOLUME	652755.991	4190186.675	0.0
LOCATION	L0002949	VOLUME	652752.424	4190236.274	0.0
LOCATION	L0002950	VOLUME	652748.857	4190285.874	0.0
LOCATION	L0002951	VOLUME	652745.290	4190335.474	0.0
LOCATION	L0002952	VOLUME	652741.723	4190385.073	0.0
LOCATION	L0002953	VOLUME	652738.156	4190434.673	0.0
LOCATION	L0002954	VOLUME	652734.589	4190484.273	0.0
LOCATION	L0002955	VOLUME	652731.022	4190533.872	0.0
LOCATION	L0002956	VOLUME	652727.455	4190583.472	0.0
LOCATION	L0002957	VOLUME	652723.888	4190633.072	0.0
LOCATION	L0002958	VOLUME	652720.321	4190682.671	0.0
LOCATION	L0002959	VOLUME	652716.754	4190732.271	0.0
LOCATION	L0002960	VOLUME	652713.188	4190781.871	0.0
LOCATION	L0002961	VOLUME	652709.621	4190831.470	0.0
LOCATION	L0002962	VOLUME	652706.054	4190881.070	0.0
LOCATION	L0002963	VOLUME	652702.487	4190930.670	0.0
LOCATION	L0002964	VOLUME	652698.920	4190980.269	0.0
LOCATION	L0002965	VOLUME	652695.353	4191029.869	0.0
LOCATION	L0002966	VOLUME	652691.786	4191079.469	0.0
LOCATION	L0002967	VOLUME	652688.219	4191129.068	0.0
LOCATION	L0002968	VOLUME	652684.652	4191178.668	0.0
LOCATION	L0002969	VOLUME	652681.085	4191228.268	0.0
LOCATION	L0002970	VOLUME	652677.518	4191277.867	0.0
LOCATION	L0002971	VOLUME	652673.951	4191327.467	0.0
LOCATION	L0002972	VOLUME	652670.385	4191377.067	0.0
LOCATION	L0002973	VOLUME	652666.818	4191426.667	0.0
LOCATION	L0002974	VOLUME	652663.251	4191476.266	0.0
LOCATION	L0002975	VOLUME	652659.684	4191525.866	0.0
LOCATION	L0012897	VOLUME	652937.903	4187657.091	0.0
LOCATION	L0012898	VOLUME	652934.336	4187706.691	0.0
LOCATION	L0012899	VOLUME	652930.770	4187756.290	0.0
LOCATION	L0012900	VOLUME	652927.203	4187805.890	0.0
LOCATION	L0012901	VOLUME	652923.636	4187855.490	0.0
LOCATION	L0012902	VOLUME	652920.069	4187905.089	0.0
LOCATION	L0012903	VOLUME	652916.502	4187954.689	0.0
LOCATION	L0012904	VOLUME	652912.935	4188004.289	0.0
LOCATION	L0012905	VOLUME	652909.368	4188053.888	0.0
LOCATION	L0012906	VOLUME	652905.801	4188103.488	0.0
LOCATION	L0012907	VOLUME	652902.234	4188153.088	0.0
LOCATION	L0012908	VOLUME	652898.667	4188202.687	0.0
LOCATION	L0012909	VOLUME	652895.100	4188252.287	0.0
LOCATION	L0012910	VOLUME	652891.533	4188301.887	0.0
LOCATION	L0012911	VOLUME	652887.967	4188351.486	0.0
LOCATION	L0012912	VOLUME	652884.400	4188401.086	0.0
LOCATION	L0012913	VOLUME	652880.833	4188450.686	0.0
LOCATION	L0012914	VOLUME	652877.266	4188500.285	0.0
LOCATION	L0012915	VOLUME	652873.699	4188549.885	0.0
LOCATION	L0012916	VOLUME	652870.132	4188599.485	0.0
LOCATION	L0012917	VOLUME	652866.565	4188649.084	0.0
LOCATION	L0012918	VOLUME	652862.998	4188698.684	0.0
LOCATION	L0012919	VOLUME	652859.431	4188748.284	0.0
LOCATION	L0012920	VOLUME	652855.864	4188797.884	0.0
LOCATION	L0012921	VOLUME	652852.297	4188847.483	0.0
LOCATION	L0012922	VOLUME	652848.730	4188897.083	0.0
LOCATION	L0012923	VOLUME	652845.164	4188946.683	0.0
LOCATION	L0012924	VOLUME	652841.597	4188996.282	0.0
LOCATION	L0012925	VOLUME	652838.030	4189045.882	0.0
LOCATION	L0012926	VOLUME	652834.463	4189095.482	0.0
LOCATION	L0012927	VOLUME	652830.896	4189145.081	0.0
LOCATION	L0012928	VOLUME	652827.329	4189194.681	0.0
LOCATION	L0012929	VOLUME	652823.762	4189244.281	0.0
LOCATION	L0012930	VOLUME	652820.195	4189293.880	0.0
LOCATION	L0012931	VOLUME	652816.628	4189343.480	0.0
LOCATION	L0012932	VOLUME	652813.061	4189393.080	0.0
LOCATION	L0012933	VOLUME	652809.494	4189442.679	0.0
LOCATION	L0012934	VOLUME	652805.927	4189492.279	0.0

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   LOCATION L0012940 VOLUME   652784.526 4189789.877 0.0
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   LOCATION L0012955 VOLUME   652731.022 4190533.872 0.0
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   LOCATION L0012967 VOLUME   652688.219 4191129.068 0.0
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** End of Line Source
** Line Source represented by Separated Volume Sources
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** 652940.19, 4188362.07, 0.00, 0.00, 23.20
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LOCATION L0003061 VOLUME    652899.546 4188938.189 0.0
LOCATION L0003062 VOLUME    652903.056 4188888.439 0.0
LOCATION L0003063 VOLUME    652906.566 4188838.690 0.0
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LOCATION L0003066 VOLUME    652917.096 4188689.443 0.0
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LOCATION L0003068 VOLUME    652924.116 4188589.945 0.0
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LOCATION L0003070 VOLUME    652931.136 4188490.447 0.0
LOCATION L0003071 VOLUME    652934.646 4188440.698 0.0
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LOCATION L0003084 VOLUME    652907.652 4188929.717 0.0
LOCATION L0003085 VOLUME    652904.130 4188979.465 0.0
LOCATION L0003086 VOLUME    652900.609 4189029.213 0.0
LOCATION L0003087 VOLUME    652897.087 4189078.962 0.0
LOCATION L0003088 VOLUME    652893.565 4189128.710 0.0
LOCATION L0003089 VOLUME    652890.043 4189178.458 0.0
LOCATION L0003090 VOLUME    652886.522 4189228.206 0.0
LOCATION L0003091 VOLUME    652883.000 4189277.955 0.0
LOCATION L0003092 VOLUME    652879.478 4189327.703 0.0
LOCATION L0003093 VOLUME    652875.956 4189377.451 0.0
LOCATION L0003094 VOLUME    652872.435 4189427.199 0.0
LOCATION L0003095 VOLUME    652868.913 4189476.948 0.0
LOCATION L0003096 VOLUME    652865.391 4189526.696 0.0
LOCATION L0003097 VOLUME    652861.869 4189576.444 0.0
LOCATION L0003098 VOLUME    652858.348 4189626.192 0.0
LOCATION L0003099 VOLUME    652854.826 4189675.941 0.0
LOCATION L0003100 VOLUME    652851.304 4189725.689 0.0
LOCATION L0003101 VOLUME    652847.782 4189775.437 0.0
LOCATION L0003102 VOLUME    652844.261 4189825.185 0.0
LOCATION L0003103 VOLUME    652840.739 4189874.934 0.0
LOCATION L0003104 VOLUME    652837.217 4189924.682 0.0
LOCATION L0003105 VOLUME    652833.696 4189974.430 0.0
LOCATION L0003106 VOLUME    652830.174 4190024.178 0.0
LOCATION L0003107 VOLUME    652826.652 4190073.927 0.0
LOCATION L0003108 VOLUME    652823.130 4190123.675 0.0
LOCATION L0003109 VOLUME    652819.609 4190173.423 0.0
LOCATION L0003110 VOLUME    652816.087 4190223.171 0.0
LOCATION L0003111 VOLUME    652812.565 4190272.920 0.0
LOCATION L0003112 VOLUME    652809.043 4190322.668 0.0
LOCATION L0003113 VOLUME    652805.522 4190372.416 0.0
LOCATION L0003114 VOLUME    652802.000 4190422.164 0.0
LOCATION L0003115 VOLUME    652798.478 4190471.913 0.0
LOCATION L0003116 VOLUME    652794.956 4190521.661 0.0
LOCATION L0003117 VOLUME    652791.435 4190571.409 0.0
LOCATION L0003118 VOLUME    652787.913 4190621.157 0.0
LOCATION L0003119 VOLUME    652784.391 4190670.906 0.0
LOCATION L0003120 VOLUME    652780.869 4190720.654 0.0
LOCATION L0012976 VOLUME    652932.352 4188343.890 0.0
LOCATION L0012977 VOLUME    652928.858 4188393.640 0.0
LOCATION L0012978 VOLUME    652925.363 4188443.390 0.0
LOCATION L0012979 VOLUME    652921.869 4188493.141 0.0
LOCATION L0012980 VOLUME    652918.375 4188542.891 0.0
LOCATION L0012981 VOLUME    652914.881 4188592.641 0.0
LOCATION L0012982 VOLUME    652911.386 4188642.391 0.0
LOCATION L0012983 VOLUME    652907.892 4188692.141 0.0
LOCATION L0012984 VOLUME    652904.398 4188741.891 0.0
LOCATION L0012985 VOLUME    652900.904 4188791.642 0.0
LOCATION L0012986 VOLUME    652897.409 4188841.392 0.0
LOCATION L0012987 VOLUME    652893.915 4188891.142 0.0
LOCATION L0012988 VOLUME    652890.421 4188940.892 0.0
LOCATION L0012989 VOLUME    652886.926 4188990.642 0.0
LOCATION L0012990 VOLUME    652883.432 4189040.393 0.0
LOCATION L0012991 VOLUME    652879.938 4189090.143 0.0
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LOCATION	L0012992	VOLUME	652876.444	4189139.893	0.0
LOCATION	L0012993	VOLUME	652872.949	4189189.643	0.0
LOCATION	L0012994	VOLUME	652869.455	4189239.393	0.0
LOCATION	L0012995	VOLUME	652865.961	4189289.144	0.0
LOCATION	L0012996	VOLUME	652862.467	4189338.894	0.0
LOCATION	L0012997	VOLUME	652858.972	4189388.644	0.0
LOCATION	L0012998	VOLUME	652855.478	4189438.394	0.0
LOCATION	L0012999	VOLUME	652851.984	4189488.144	0.0
LOCATION	L0013000	VOLUME	652848.490	4189537.894	0.0
LOCATION	L0013001	VOLUME	652844.995	4189587.645	0.0
LOCATION	L0013002	VOLUME	652841.501	4189637.395	0.0
LOCATION	L0013003	VOLUME	652838.007	4189687.145	0.0
LOCATION	L0013004	VOLUME	652834.513	4189736.895	0.0
LOCATION	L0013005	VOLUME	652831.018	4189786.645	0.0
LOCATION	L0013006	VOLUME	652827.524	4189836.396	0.0
LOCATION	L0013007	VOLUME	652824.030	4189886.146	0.0
LOCATION	L0013008	VOLUME	652820.536	4189935.896	0.0
LOCATION	L0013009	VOLUME	652817.041	4189985.646	0.0
LOCATION	L0013010	VOLUME	652813.547	4190035.396	0.0
LOCATION	L0013011	VOLUME	652810.053	4190085.147	0.0
LOCATION	L0013012	VOLUME	652806.559	4190134.897	0.0
LOCATION	L0013013	VOLUME	652803.064	4190184.647	0.0
LOCATION	L0013014	VOLUME	652799.570	4190234.397	0.0
LOCATION	L0013015	VOLUME	652796.076	4190284.147	0.0
LOCATION	L0013016	VOLUME	652792.582	4190333.897	0.0
LOCATION	L0013017	VOLUME	652789.087	4190383.648	0.0
LOCATION	L0013018	VOLUME	652785.593	4190433.398	0.0
LOCATION	L0013019	VOLUME	652782.099	4190483.148	0.0
LOCATION	L0013020	VOLUME	652778.605	4190532.898	0.0
LOCATION	L0013021	VOLUME	652775.110	4190582.648	0.0
LOCATION	L0013022	VOLUME	652771.616	4190632.399	0.0
LOCATION	L0013023	VOLUME	652768.122	4190682.149	0.0
LOCATION	L0013024	VOLUME	652764.628	4190731.899	0.0
LOCATION	L0013025	VOLUME	652773.186	4190729.155	0.0
LOCATION	L0013026	VOLUME	652776.696	4190679.406	0.0
LOCATION	L0013027	VOLUME	652780.206	4190629.657	0.0
LOCATION	L0013028	VOLUME	652783.716	4190579.908	0.0
LOCATION	L0013029	VOLUME	652787.226	4190530.159	0.0
LOCATION	L0013030	VOLUME	652790.736	4190480.410	0.0
LOCATION	L0013031	VOLUME	652794.246	4190430.661	0.0
LOCATION	L0013032	VOLUME	652797.756	4190380.912	0.0
LOCATION	L0013033	VOLUME	652801.266	4190331.163	0.0
LOCATION	L0013034	VOLUME	652804.776	4190281.414	0.0
LOCATION	L0013035	VOLUME	652808.286	4190231.665	0.0
LOCATION	L0013036	VOLUME	652811.796	4190181.915	0.0
LOCATION	L0013037	VOLUME	652815.306	4190132.166	0.0
LOCATION	L0013038	VOLUME	652818.816	4190082.417	0.0
LOCATION	L0013039	VOLUME	652822.326	4190032.668	0.0
LOCATION	L0013040	VOLUME	652825.836	4189982.919	0.0
LOCATION	L0013041	VOLUME	652829.346	4189933.170	0.0
LOCATION	L0013042	VOLUME	652832.856	4189883.421	0.0
LOCATION	L0013043	VOLUME	652836.366	4189833.672	0.0
LOCATION	L0013044	VOLUME	652839.876	4189783.923	0.0
LOCATION	L0013045	VOLUME	652843.386	4189734.174	0.0
LOCATION	L0013046	VOLUME	652846.896	4189684.425	0.0
LOCATION	L0013047	VOLUME	652850.406	4189634.676	0.0
LOCATION	L0013048	VOLUME	652853.916	4189584.927	0.0
LOCATION	L0013049	VOLUME	652857.426	4189535.177	0.0
LOCATION	L0013050	VOLUME	652860.936	4189485.428	0.0
LOCATION	L0013051	VOLUME	652864.446	4189435.679	0.0
LOCATION	L0013052	VOLUME	652867.956	4189385.930	0.0
LOCATION	L0013053	VOLUME	652871.466	4189336.181	0.0
LOCATION	L0013054	VOLUME	652874.976	4189286.432	0.0
LOCATION	L0013055	VOLUME	652878.486	4189236.683	0.0
LOCATION	L0013056	VOLUME	652881.996	4189186.934	0.0
LOCATION	L0013057	VOLUME	652885.506	4189137.185	0.0
LOCATION	L0013058	VOLUME	652889.016	4189087.436	0.0
LOCATION	L0013059	VOLUME	652892.526	4189037.687	0.0
LOCATION	L0013060	VOLUME	652896.036	4188987.938	0.0
LOCATION	L0013061	VOLUME	652899.546	4188938.189	0.0
LOCATION	L0013062	VOLUME	652903.056	4188888.439	0.0
LOCATION	L0013063	VOLUME	652906.566	4188838.690	0.0
LOCATION	L0013064	VOLUME	652910.076	4188788.941	0.0
LOCATION	L0013065	VOLUME	652913.586	4188739.192	0.0
LOCATION	L0013066	VOLUME	652917.096	4188689.443	0.0
LOCATION	L0013067	VOLUME	652920.606	4188639.694	0.0
LOCATION	L0013068	VOLUME	652924.116	4188589.945	0.0
LOCATION	L0013069	VOLUME	652927.626	4188540.196	0.0
LOCATION	L0013070	VOLUME	652931.136	4188490.447	0.0
LOCATION	L0013071	VOLUME	652934.646	4188440.698	0.0
LOCATION	L0013072	VOLUME	652938.156	4188390.949	0.0
LOCATION	L0013073	VOLUME	652944.108	4188382.621	0.0
LOCATION	L0013074	VOLUME	652942.869	4188432.234	0.0
LOCATION	L0013075	VOLUME	652939.348	4188481.983	0.0
LOCATION	L0013076	VOLUME	652935.826	4188531.731	0.0
LOCATION	L0013077	VOLUME	652932.304	4188581.479	0.0
LOCATION	L0013078	VOLUME	652928.782	4188631.227	0.0
LOCATION	L0013079	VOLUME	652925.261	4188680.976	0.0
LOCATION	L0013080	VOLUME	652921.739	4188730.724	0.0
LOCATION	L0013081	VOLUME	652918.217	4188780.472	0.0
LOCATION	L0013082	VOLUME	652914.695	4188830.220	0.0
LOCATION	L0013083	VOLUME	652911.174	4188879.969	0.0
LOCATION	L0013084	VOLUME	652907.652	4188929.717	0.0
LOCATION	L0013085	VOLUME	652904.130	4188979.465	0.0
LOCATION	L0013086	VOLUME	652900.609	4189029.213	0.0
LOCATION	L0013087	VOLUME	652897.087	4189078.962	0.0
LOCATION	L0013088	VOLUME	652893.565	4189128.710	0.0
LOCATION	L0013089	VOLUME	652890.043	4189178.458	0.0
LOCATION	L0013090	VOLUME	652886.522	4189228.206	0.0
LOCATION	L0013091	VOLUME	652883.000	4189277.955	0.0
LOCATION	L0013092	VOLUME	652879.478	4189327.703	0.0
LOCATION	L0013093	VOLUME	652875.956	4189377.451	0.0
LOCATION	L0013094	VOLUME	652872.435	4189427.199	0.0
LOCATION	L0013095	VOLUME	652868.913	4189476.948	0.0
LOCATION	L0013096	VOLUME	652865.391	4189526.696	0.0
LOCATION	L0013097	VOLUME	652861.869	4189576.444	0.0
LOCATION	L0013098	VOLUME	652858.348	4189626.192	0.0
LOCATION	L0013099	VOLUME	652854.826	4189675.941	0.0
LOCATION	L0013100	VOLUME	652851.304	4189725.689	0.0
LOCATION	L0013101	VOLUME	652847.782	4189775.437	0.0

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   LOCATION L0013102 VOLUME   652844.261 4189825.185 0.0
   LOCATION L0013103 VOLUME   652840.739 4189874.934 0.0
   LOCATION L0013104 VOLUME   652837.217 4189924.682 0.0
   LOCATION L0013105 VOLUME   652833.696 4189974.430 0.0
   LOCATION L0013106 VOLUME   652830.174 4190024.178 0.0
   LOCATION L0013107 VOLUME   652826.652 4190073.927 0.0
   LOCATION L0013108 VOLUME   652823.130 4190123.675 0.0
   LOCATION L0013109 VOLUME   652819.609 4190173.423 0.0
   LOCATION L0013110 VOLUME   652816.087 4190223.171 0.0
   LOCATION L0013111 VOLUME   652812.565 4190272.920 0.0
   LOCATION L0013112 VOLUME   652809.043 4190322.668 0.0
   LOCATION L0013113 VOLUME   652805.522 4190372.416 0.0
   LOCATION L0013114 VOLUME   652802.000 4190422.164 0.0
   LOCATION L0013115 VOLUME   652798.478 4190471.913 0.0
   LOCATION L0013116 VOLUME   652794.956 4190521.661 0.0
   LOCATION L0013117 VOLUME   652791.435 4190571.409 0.0
   LOCATION L0013118 VOLUME   652787.913 4190621.157 0.0
   LOCATION L0013119 VOLUME   652784.391 4190670.906 0.0
   LOCATION L0013120 VOLUME   652780.869 4190720.654 0.0
** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------
** LINE Source ID = SLINE20
** DESCRSRC
** Length of Side = 25.00
** Emission Rate = 1.0
** Elevated
** Building Height = 5.60
** SZINIT = 2.60
** Nodes = 23
** 652307.59, 4191201.28, 0.00, 0.00, 0.00
** 652959.10, 4191214.78, 0.00, 0.00, 23.08
** 652968.10, 4191014.49, 0.00, 0.00, 23.08
** 652993.98, 4190990.86, 0.00, 0.00, 23.08
** 653015.36, 4190510.38, 0.00, 0.00, 23.08
** 653044.61, 4190358.48, 0.00, 0.00, 23.08
** 653054.74, 4190199.82, 0.00, 0.00, 23.08
** 653064.87, 4190167.19, 0.00, 0.00, 0.00
** 653079.50, 4190167.19, 0.00, 0.00, 23.08
** 653086.25, 4190196.44, 0.00, 0.00, 23.08
** 653073.87, 4190353.98, 0.00, 0.00, 23.08
** 653077.25, 4190391.11, 0.00, 0.00, 23.08
** 653067.12, 4190539.64, 0.00, 0.00, 23.08
** 653036.74, 4190638.66, 0.00, 0.00, 23.08
** 653023.24, 4190818.70, 0.00, 0.00, 23.08
** 653040.11, 4190907.59, 0.00, 0.00, 23.08
** 653036.74, 4190962.73, 0.00, 0.00, 23.08
** 653006.36, 4191004.36, 0.00, 0.00, 23.08
** 652996.23, 4191131.51, 0.00, 0.00, 23.08
** 652968.10, 4191187.78, 0.00, 0.00, 23.08
** 652968.10, 4191214.78, 0.00, 0.00, 23.08
** 653388.94, 4191221.53, 0.00, 0.00, 23.08
** 653373.18, 4191494.97, 0.00, 0.00, 0.00
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   LOCATION L0003121 VOLUME   652320.083 4191201.538 0.0
   LOCATION L0003122 VOLUME   652369.693 4191202.567 0.0
   LOCATION L0003123 VOLUME   652419.303 4191203.595 0.0
   LOCATION L0003124 VOLUME   652468.913 4191204.623 0.0
   LOCATION L0003125 VOLUME   652518.523 4191205.651 0.0
   LOCATION L0003126 VOLUME   652568.133 4191206.679 0.0
   LOCATION L0003127 VOLUME   652617.743 4191207.708 0.0
   LOCATION L0003128 VOLUME   652667.353 4191208.736 0.0
   LOCATION L0003129 VOLUME   652716.963 4191209.764 0.0
   LOCATION L0003130 VOLUME   652766.573 4191210.792 0.0
   LOCATION L0003131 VOLUME   652816.183 4191211.820 0.0
   LOCATION L0003132 VOLUME   652865.793 4191212.849 0.0
   LOCATION L0003133 VOLUME   652915.402 4191213.877 0.0
   LOCATION L0003134 VOLUME   652959.363 4191208.871 0.0
   LOCATION L0003135 VOLUME   652961.590 4191159.301 0.0
   LOCATION L0003136 VOLUME   652963.818 4191109.730 0.0
   LOCATION L0003137 VOLUME   652966.046 4191060.160 0.0
   LOCATION L0003138 VOLUME   652970.983 4191011.857 0.0
   LOCATION L0003139 VOLUME   652994.801 4190972.398 0.0
   LOCATION L0003140 VOLUME   652997.006 4190922.826 0.0
   LOCATION L0003141 VOLUME   652999.212 4190873.255 0.0
   LOCATION L0003142 VOLUME   653001.418 4190823.683 0.0
   LOCATION L0003143 VOLUME   653003.624 4190774.112 0.0
   LOCATION L0003144 VOLUME   653005.829 4190724.540 0.0
   LOCATION L0003145 VOLUME   653008.035 4190674.969 0.0
   LOCATION L0003146 VOLUME   653010.241 4190625.397 0.0
   LOCATION L0003147 VOLUME   653012.447 4190575.825 0.0
   LOCATION L0003148 VOLUME   653014.653 4190526.254 0.0
   LOCATION L0003149 VOLUME   653021.739 4190477.258 0.0
   LOCATION L0003150 VOLUME   653031.123 4190428.533 0.0
   LOCATION L0003151 VOLUME   653040.507 4190379.807 0.0
   LOCATION L0003152 VOLUME   653046.392 4190330.635 0.0
   LOCATION L0003153 VOLUME   653049.553 4190281.116 0.0
   LOCATION L0003154 VOLUME   653052.714 4190231.596 0.0
   LOCATION L0003155 VOLUME   653060.012 4190182.839 0.0
   LOCATION L0003156 VOLUME   653083.681 4190185.317 0.0
   LOCATION L0003157 VOLUME   653083.256 4190234.528 0.0
   LOCATION L0003158 VOLUME   653079.369 4190283.996 0.0
   LOCATION L0003159 VOLUME   653075.483 4190333.464 0.0
   LOCATION L0003160 VOLUME   653076.500 4190382.902 0.0
   LOCATION L0003161 VOLUME   653074.432 4190432.393 0.0
   LOCATION L0003162 VOLUME   653071.056 4190481.899 0.0
   LOCATION L0003163 VOLUME   653067.681 4190531.405 0.0
   LOCATION L0003164 VOLUME   653054.986 4190579.187 0.0
   LOCATION L0003165 VOLUME   653040.431 4190626.625 0.0
   LOCATION L0003166 VOLUME   653033.969 4190675.588 0.0
   LOCATION L0003167 VOLUME   653030.258 4190725.070 0.0
   LOCATION L0003168 VOLUME   653026.546 4190774.551 0.0
   LOCATION L0003169 VOLUME   653024.233 4190823.954 0.0
   LOCATION L0003170 VOLUME   653033.489 4190872.704 0.0
   LOCATION L0003171 VOLUME   653039.252 4190921.674 0.0
   LOCATION L0003172 VOLUME   653031.734 4190969.587 0.0
   LOCATION L0003173 VOLUME   653005.835 4191010.912 0.0
   LOCATION L0003174 VOLUME   653001.896 4191060.376 0.0
   LOCATION L0003175 VOLUME   652997.956 4191109.840 0.0
   LOCATION L0003176 VOLUME   652983.763 4191156.449 0.0
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   LOCATION L0003177 VOLUME   652968.099 4191202.371 0.0
   LOCATION L0003178 VOLUME   653005.304 4191215.379 0.0
   LOCATION L0003179 VOLUME   653054.918 4191216.175 0.0
   LOCATION L0003180 VOLUME   653104.532 4191216.971 0.0
   LOCATION L0003181 VOLUME   653154.146 4191217.767 0.0
   LOCATION L0003182 VOLUME   653203.761 4191218.563 0.0
   LOCATION L0003183 VOLUME   653253.375 4191219.359 0.0
   LOCATION L0003184 VOLUME   653302.989 4191220.155 0.0
   LOCATION L0003185 VOLUME   653352.603 4191220.951 0.0
   LOCATION L0003186 VOLUME   653388.173 4191234.794 0.0
   LOCATION L0003187 VOLUME   653385.319 4191284.333 0.0
   LOCATION L0003188 VOLUME   653382.465 4191333.871 0.0
   LOCATION L0003189 VOLUME   653379.611 4191383.410 0.0
   LOCATION L0003190 VOLUME   653376.757 4191432.948 0.0
   LOCATION L0003191 VOLUME   653373.902 4191482.487 0.0
** End of Line Source
   LOCATION STCK1    POINT      653185.660  4188140.100          0.0
   LOCATION STCK2    POINT      653066.830  4190696.000          0.0
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------------
** LINE Source ID = SLINE21
** DESCRSRC
** Length of Side = 20.00
** Emission Rate = 0.1
** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 8
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** 653015.42, 4188515.31, 0.00, 0.00, 18.51
** 652864.97, 4190649.54, 0.00, 0.00, 18.51
** 652831.53, 4190765.16, 0.00, 0.00, 18.51
** 652842.68, 4190763.77, 0.00, 0.00, 18.51
** 652867.75, 4190673.22, 0.00, 0.00, 18.51
** 653023.78, 4188513.92, 0.00, 0.00, 18.51
** 653026.57, 4188460.98, 0.00, 0.00, 0.00
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   LOCATION L0003192 VOLUME   653017.681 4188472.358 0.0
   LOCATION L0003193 VOLUME   653015.590 4188512.097 0.0
   LOCATION L0003194 VOLUME   653012.848 4188551.795 0.0
   LOCATION L0003195 VOLUME   653010.050 4188591.490 0.0
   LOCATION L0003196 VOLUME   653007.252 4188631.185 0.0
   LOCATION L0003197 VOLUME   653004.453 4188670.880 0.0
   LOCATION L0003198 VOLUME   653001.655 4188710.574 0.0
   LOCATION L0003199 VOLUME   652998.857 4188750.269 0.0
   LOCATION L0003200 VOLUME   652996.058 4188789.964 0.0
   LOCATION L0003201 VOLUME   652993.260 4188829.659 0.0
   LOCATION L0003202 VOLUME   652990.462 4188869.354 0.0
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   LOCATION L0003206 VOLUME   652979.268 4189028.133 0.0
   LOCATION L0003207 VOLUME   652976.470 4189067.828 0.0
   LOCATION L0003208 VOLUME   652973.672 4189107.523 0.0
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   LOCATION L0003211 VOLUME   652965.277 4189226.608 0.0
   LOCATION L0003212 VOLUME   652962.478 4189266.303 0.0
   LOCATION L0003213 VOLUME   652959.680 4189305.998 0.0
   LOCATION L0003214 VOLUME   652956.882 4189345.692 0.0
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   LOCATION L0003217 VOLUME   652948.487 4189464.777 0.0
   LOCATION L0003218 VOLUME   652945.688 4189504.472 0.0
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   LOCATION L0003220 VOLUME   652940.092 4189583.862 0.0
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   LOCATION L0003237 VOLUME   652892.520 4190258.675 0.0
   LOCATION L0003238 VOLUME   652889.722 4190298.370 0.0
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   LOCATION L0003240 VOLUME   652884.125 4190377.759 0.0
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   LOCATION L0003246 VOLUME   652867.335 4190615.929 0.0
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   LOCATION L0003262 VOLUME   652894.955 4190296.753 0.0
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   LOCATION L0003264 VOLUME   652900.691 4190217.373 0.0
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   LOCATION L0003270 VOLUME   652917.898 4189979.234 0.0
   LOCATION L0003271 VOLUME   652920.766 4189939.544 0.0
   LOCATION L0003272 VOLUME   652923.634 4189899.854 0.0
   LOCATION L0003273 VOLUME   652926.502 4189860.164 0.0
   LOCATION L0003274 VOLUME   652929.370 4189820.474 0.0
   LOCATION L0003275 VOLUME   652932.238 4189780.784 0.0
   LOCATION L0003276 VOLUME   652935.106 4189741.095 0.0
   LOCATION L0003277 VOLUME   652937.973 4189701.405 0.0
   LOCATION L0003278 VOLUME   652940.841 4189661.715 0.0
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   LOCATION L0003287 VOLUME   652966.653 4189304.506 0.0
   LOCATION L0003288 VOLUME   652969.520 4189264.816 0.0
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   LOCATION L0003290 VOLUME   652975.256 4189185.436 0.0
   LOCATION L0003291 VOLUME   652978.124 4189145.746 0.0
   LOCATION L0003292 VOLUME   652980.992 4189106.056 0.0
   LOCATION L0003293 VOLUME   652983.860 4189066.366 0.0
   LOCATION L0003294 VOLUME   652986.728 4189026.676 0.0
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   LOCATION L0003296 VOLUME   652992.464 4188947.296 0.0
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** End of Line Source
** Line Source represented by Separated Volume Sources
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** LINE Source ID = SLINE22
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** Elevated
** Building Height = 4.15
** SZINIT = 1.93
** Nodes = 8
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** 653101.79, 4188608.65, 0.00, 0.00, 18.51
** 652965.27, 4190553.41, 0.00, 0.00, 18.51
** 652949.94, 4190614.71, 0.00, 0.00, 0.00
** 652958.30, 4190614.71, 0.00, 0.00, 18.51
** 652973.63, 4190557.59, 0.00, 0.00, 18.51
** 653110.15, 4188617.01, 0.00, 0.00, 18.51
** 653100.40, 4188540.39, 0.00, 0.00, 0.00
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   LOCATION L0003313 VOLUME   653096.588 4188682.792 0.0
   LOCATION L0003314 VOLUME   653093.801 4188722.481 0.0
   LOCATION L0003315 VOLUME   653091.015 4188762.171 0.0
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   LOCATION L0003317 VOLUME   653085.443 4188841.550 0.0
   LOCATION L0003318 VOLUME   653082.656 4188881.240 0.0
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   LOCATION L0003336 VOLUME   653032.504 4189595.655 0.0
   LOCATION L0003337 VOLUME   653029.718 4189635.344 0.0
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   LOCATION L0003343 VOLUME   653013.000 4189873.482 0.0
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   LOCATION L0003354 VOLUME   652982.352 4190310.069 0.0
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   LOCATION L0003375 VOLUME   653005.974 4190097.815 0.0
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** End of Line Source
** Line Source represented by Separated Volume Sources
** ------------------------------------------------------------------
** LINE Source ID = SLINE23
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** 652940.19, 4188362.07, 0.00, 0.00, 18.57
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LOCATION	L0013408	POINT	653098.117	4188788.069	0.0
LOCATION	L0013409	POINT	653100.909	4188748.380	0.0
LOCATION	L0013410	POINT	653103.701	4188708.690	0.0
LOCATION	L0013411	POINT	653106.493	4188669.001	0.0
LOCATION	L0013412	POINT	653109.285	4188629.312	0.0
LOCATION	L0013413	POINT	653106.685	4188589.774	0.0
LOCATION	L0013414	POINT	653101.662	4188550.305	0.0
LOCATION	L0013415	POINT	652932.527	4188341.396	0.0
LOCATION	L0013416	POINT	652929.730	4188381.224	0.0
LOCATION	L0013417	POINT	652926.932	4188421.052	0.0
LOCATION	L0013418	POINT	652924.135	4188460.880	0.0
LOCATION	L0013419	POINT	652921.338	4188500.708	0.0
LOCATION	L0013420	POINT	652918.540	4188540.535	0.0
LOCATION	L0013421	POINT	652915.743	4188580.363	0.0
LOCATION	L0013422	POINT	652912.946	4188620.191	0.0
LOCATION	L0013423	POINT	652910.148	4188660.019	0.0
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LOCATION	L0013425	POINT	652904.553	4188739.675	0.0
LOCATION	L0013426	POINT	652901.756	4188779.503	0.0
LOCATION	L0013427	POINT	652898.959	4188819.330	0.0
LOCATION	L0013428	POINT	652896.161	4188859.158	0.0
LOCATION	L0013429	POINT	652893.364	4188898.986	0.0
LOCATION	L0013430	POINT	652890.567	4188938.814	0.0
LOCATION	L0013431	POINT	652887.769	4188978.642	0.0
LOCATION	L0013432	POINT	652884.972	4189018.470	0.0
LOCATION	L0013433	POINT	652882.175	4189058.298	0.0
LOCATION	L0013434	POINT	652879.377	4189098.125	0.0
LOCATION	L0013435	POINT	652876.580	4189137.953	0.0
LOCATION	L0013436	POINT	652873.783	4189177.781	0.0
LOCATION	L0013437	POINT	652870.985	4189217.609	0.0
LOCATION	L0013438	POINT	652868.188	4189257.437	0.0
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LOCATION	L0013440	POINT	652862.593	4189337.093	0.0
LOCATION	L0013441	POINT	652859.796	4189376.920	0.0
LOCATION	L0013442	POINT	652856.998	4189416.748	0.0
LOCATION	L0013443	POINT	652854.201	4189456.576	0.0
LOCATION	L0013444	POINT	652851.404	4189496.404	0.0
LOCATION	L0013445	POINT	652848.606	4189536.232	0.0
LOCATION	L0013446	POINT	652845.809	4189576.060	0.0
LOCATION	L0013447	POINT	652843.012	4189615.888	0.0
LOCATION	L0013448	POINT	652840.214	4189655.715	0.0
LOCATION	L0013449	POINT	652837.417	4189695.543	0.0
LOCATION	L0013450	POINT	652834.620	4189735.371	0.0
LOCATION	L0013451	POINT	652831.822	4189775.199	0.0
LOCATION	L0013452	POINT	652829.025	4189815.027	0.0
LOCATION	L0013453	POINT	652826.228	4189854.855	0.0
LOCATION	L0013454	POINT	652823.430	4189894.683	0.0
LOCATION	L0013455	POINT	652820.633	4189934.510	0.0
LOCATION	L0013456	POINT	652817.836	4189974.338	0.0
LOCATION	L0013457	POINT	652815.038	4190014.166	0.0
LOCATION	L0013458	POINT	652812.241	4190053.994	0.0
LOCATION	L0013459	POINT	652809.444	4190093.822	0.0
LOCATION	L0013460	POINT	652806.646	4190133.650	0.0
LOCATION	L0013461	POINT	652803.849	4190173.478	0.0
LOCATION	L0013462	POINT	652801.051	4190213.306	0.0
LOCATION	L0013463	POINT	652798.254	4190253.133	0.0
LOCATION	L0013464	POINT	652795.457	4190292.961	0.0
LOCATION	L0013465	POINT	652792.659	4190332.789	0.0
LOCATION	L0013466	POINT	652789.862	4190372.617	0.0
LOCATION	L0013467	POINT	652787.065	4190412.445	0.0
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LOCATION	L0013469	POINT	652781.470	4190492.101	0.0
LOCATION	L0013470	POINT	652778.673	4190531.928	0.0
LOCATION	L0013471	POINT	652775.875	4190571.756	0.0
LOCATION	L0013472	POINT	652773.078	4190611.584	0.0
LOCATION	L0013473	POINT	652770.281	4190651.412	0.0
LOCATION	L0013474	POINT	652767.483	4190691.240	0.0
LOCATION	L0013475	POINT	652764.686	4190731.068	0.0
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LOCATION	L0013477	POINT	652775.237	4190700.082	0.0
LOCATION	L0013478	POINT	652778.047	4190660.255	0.0
LOCATION	L0013479	POINT	652780.857	4190620.428	0.0
LOCATION	L0013480	POINT	652783.667	4190580.601	0.0
LOCATION	L0013481	POINT	652786.477	4190540.774	0.0
LOCATION	L0013482	POINT	652789.287	4190500.947	0.0

LOCATION	L0013483	POINT	652792.097	4190461.120	0.0
LOCATION	L0013484	POINT	652794.907	4190421.293	0.0
LOCATION	L0013485	POINT	652797.717	4190381.466	0.0
LOCATION	L0013486	POINT	652800.527	4190341.639	0.0
LOCATION	L0013487	POINT	652803.337	4190301.812	0.0
LOCATION	L0013488	POINT	652806.147	4190261.985	0.0
LOCATION	L0013489	POINT	652808.956	4190222.158	0.0
LOCATION	L0013490	POINT	652811.766	4190182.331	0.0
LOCATION	L0013491	POINT	652814.576	4190142.504	0.0
LOCATION	L0013492	POINT	652817.386	4190102.677	0.0
LOCATION	L0013493	POINT	652820.196	4190062.850	0.0
LOCATION	L0013494	POINT	652823.006	4190023.023	0.0
LOCATION	L0013495	POINT	652825.816	4189983.196	0.0
LOCATION	L0013496	POINT	652828.626	4189943.369	0.0
LOCATION	L0013497	POINT	652831.436	4189903.542	0.0
LOCATION	L0013498	POINT	652834.246	4189863.715	0.0
LOCATION	L0013499	POINT	652837.056	4189823.888	0.0
LOCATION	L0013500	POINT	652839.866	4189784.061	0.0
LOCATION	L0013501	POINT	652842.676	4189744.234	0.0
LOCATION	L0013502	POINT	652845.486	4189704.407	0.0
LOCATION	L0013503	POINT	652848.296	4189664.580	0.0
LOCATION	L0013504	POINT	652851.106	4189624.754	0.0
LOCATION	L0013505	POINT	652853.916	4189584.927	0.0
LOCATION	L0013506	POINT	652856.726	4189545.100	0.0
LOCATION	L0013507	POINT	652859.536	4189505.273	0.0
LOCATION	L0013508	POINT	652862.346	4189465.446	0.0
LOCATION	L0013509	POINT	652865.155	4189425.619	0.0
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LOCATION	L0013511	POINT	652870.775	4189345.965	0.0
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LOCATION	L0013514	POINT	652879.205	4189226.484	0.0
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LOCATION	L0013519	POINT	652893.255	4189027.349	0.0
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LOCATION	L0013521	POINT	652898.875	4188947.695	0.0
LOCATION	L0013522	POINT	652901.685	4188907.868	0.0
LOCATION	L0013523	POINT	652904.495	4188868.041	0.0
LOCATION	L0013524	POINT	652907.305	4188828.214	0.0
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LOCATION	L0013530	POINT	652924.164	4188589.252	0.0
LOCATION	L0013531	POINT	652926.974	4188549.425	0.0
LOCATION	L0013532	POINT	652929.784	4188509.598	0.0
LOCATION	L0013533	POINT	652932.594	4188469.771	0.0
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LOCATION	L0013535	POINT	652938.214	4188390.117	0.0
LOCATION	L0013536	POINT	652942.402	4188373.668	0.0
LOCATION	L0013537	POINT	652944.215	4188413.222	0.0
LOCATION	L0013538	POINT	652941.396	4188453.048	0.0
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LOCATION	L0013540	POINT	652935.757	4188532.701	0.0
LOCATION	L0013541	POINT	652932.938	4188572.527	0.0
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LOCATION	L0013543	POINT	652927.299	4188652.180	0.0
LOCATION	L0013544	POINT	652924.480	4188692.006	0.0
LOCATION	L0013545	POINT	652921.660	4188731.832	0.0
LOCATION	L0013546	POINT	652918.841	4188771.659	0.0
LOCATION	L0013547	POINT	652916.022	4188811.485	0.0
LOCATION	L0013548	POINT	652913.202	4188851.311	0.0
LOCATION	L0013549	POINT	652910.383	4188891.138	0.0
LOCATION	L0013550	POINT	652907.564	4188930.964	0.0
LOCATION	L0013551	POINT	652904.744	4188970.790	0.0
LOCATION	L0013552	POINT	652901.925	4189010.616	0.0
LOCATION	L0013553	POINT	652899.106	4189050.443	0.0
LOCATION	L0013554	POINT	652896.286	4189090.269	0.0
LOCATION	L0013555	POINT	652893.467	4189130.095	0.0
LOCATION	L0013556	POINT	652890.648	4189169.922	0.0
LOCATION	L0013557	POINT	652887.828	4189209.748	0.0
LOCATION	L0013558	POINT	652885.009	4189249.574	0.0
LOCATION	L0013559	POINT	652882.190	4189289.401	0.0
LOCATION	L0013560	POINT	652879.370	4189329.227	0.0
LOCATION	L0013561	POINT	652876.551	4189369.053	0.0
LOCATION	L0013562	POINT	652873.732	4189408.880	0.0
LOCATION	L0013563	POINT	652870.912	4189448.706	0.0
LOCATION	L0013564	POINT	652868.093	4189488.532	0.0
LOCATION	L0013565	POINT	652865.273	4189528.358	0.0
LOCATION	L0013566	POINT	652862.454	4189568.185	0.0
LOCATION	L0013567	POINT	652859.635	4189608.011	0.0
LOCATION	L0013568	POINT	652856.815	4189647.837	0.0
LOCATION	L0013569	POINT	652853.996	4189687.664	0.0
LOCATION	L0013570	POINT	652851.177	4189727.490	0.0
LOCATION	L0013571	POINT	652848.357	4189767.316	0.0
LOCATION	L0013572	POINT	652845.538	4189807.143	0.0
LOCATION	L0013573	POINT	652842.719	4189846.969	0.0
LOCATION	L0013574	POINT	652839.899	4189886.795	0.0
LOCATION	L0013575	POINT	652837.080	4189926.622	0.0
LOCATION	L0013576	POINT	652834.261	4189966.448	0.0
LOCATION	L0013577	POINT	652831.441	4190006.274	0.0
LOCATION	L0013578	POINT	652828.622	4190046.100	0.0
LOCATION	L0013579	POINT	652825.803	4190085.927	0.0
LOCATION	L0013580	POINT	652822.983	4190125.753	0.0
LOCATION	L0013581	POINT	652820.164	4190165.579	0.0
LOCATION	L0013582	POINT	652817.344	4190205.406	0.0
LOCATION	L0013583	POINT	652814.525	4190245.232	0.0
LOCATION	L0013584	POINT	652811.706	4190285.058	0.0
LOCATION	L0013585	POINT	652808.886	4190324.885	0.0
LOCATION	L0013586	POINT	652806.067	4190364.711	0.0
LOCATION	L0013587	POINT	652803.248	4190404.537	0.0
LOCATION	L0013588	POINT	652800.428	4190444.364	0.0
LOCATION	L0013589	POINT	652797.609	4190484.190	0.0
LOCATION	L0013590	POINT	652794.790	4190524.016	0.0
LOCATION	L0013591	POINT	652791.970	4190563.842	0.0
LOCATION	L0013592	POINT	652789.151	4190603.669	0.0

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   LOCATION L0013594 POINT    652783.512 4190683.321 0.0
   LOCATION L0013595 POINT    652780.693 4190723.148 0.0
** End of Line Source
** Source Parameters **
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   SRCPARAM L0002357 3.695039E-05      5.60      22.63      2.60
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SRCPARAM	L0012464	4.956973E-06	14.60	23.06	6.79
SRCPARAM	L0012465	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012466	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012467	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012468	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012469	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012470	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012471	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012472	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012473	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012474	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012475	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012476	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012477	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012478	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012479	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012480	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012481	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012482	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012483	4.956973E-06	14.60	23.10	6.79
SRCPARAM	L0012484	4.956973E-06	14.60	23.10	6.79
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SRCPARAM	L0012488	4.956973E-06	14.60	23.10	6.79
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SRCPARAM	L0002556	-4.833493E-05	4.15	16.62	1.93
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SRCPARAM	L0002713	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002714	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002715	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002716	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002717	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002718	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002719	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002720	-4.833493E-05	4.15	18.41	1.93
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SRCPARAM	L0002728	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002729	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002730	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002731	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002732	-4.833493E-05	4.15	18.41	1.93
SRCPARAM	L0002733	-4.833493E-05	4.15	18.28	1.93
SRCPARAM	L0002734	-4.833493E-05	4.15	18.28	1.93
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SRCPARAM	L0002736	-4.833493E-05	4.15	18.28	1.93
SRCPARAM	L0002737	-4.833493E-05	4.15	18.28	1.93
SRCPARAM	L0002738	-4.833493E-05	4.15	18.28	1.93
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SRCPARAM	L0002740	-4.833493E-05	4.15	18.28	1.93
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SRCPARAM	L0002745	-4.833493E-05	4.15	18.28	1.93
SRCPARAM	L0002746	-4.833493E-05	4.15	18.28	1.93
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SRCPARAM	L0002758	-4.833493E-05	4.15	18.28	1.93
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SRCPARAM	L0002762	-4.833493E-05	4.15	18.28	1.93
SRCPARAM	L0002763	-4.833493E-05	4.15	18.28	1.93
SRCPARAM	L0002764	-4.833493E-05	4.15	18.28	1.93

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SRCPARAM	L0002787	-4.833493E-05	4.15	18.51	1.93
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SRCPARAM	L0002796	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002797	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002798	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002799	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002800	-4.833493E-05	4.15	18.51	1.93
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SRCPARAM	L0002802	-4.833493E-05	4.15	18.51	1.93
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SRCPARAM	L0002807	-4.833493E-05	4.15	18.51	1.93
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SRCPARAM	L0002815	-4.833493E-05	4.15	18.51	1.93
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SRCPARAM	L0002819	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002820	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002821	-4.833493E-05	4.15	18.51	1.93
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SRCPARAM	L0002838	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002839	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002840	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002841	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002842	-4.833493E-05	4.15	18.51	1.93
SRCPARAM	L0002843	2.307898E-05	5.60	21.56	2.60
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SRCPARAM	L0002845	2.307898E-05	5.60	21.56	2.60
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SRCPARAM	L0002855	-4.833493E-05	4.15	17.47	1.93
SRCPARAM	L0002856	-4.833493E-05	4.15	17.47	1.93
SRCPARAM	L0002857	-4.833493E-05	4.15	17.47	1.93
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SRCPARAM	L0002867	-4.833493E-05	4.15	17.84	1.93
SRCPARAM	L0002868	-4.833493E-05	4.15	17.84	1.93
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SRCPARAM	L0002872	-4.833493E-05	4.15	17.84	1.93
SRCPARAM	L0002873	-4.833493E-05	4.15	17.84	1.93
SRCPARAM	L0002874	-4.833493E-05	4.15	17.84	1.93

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SRCPARAM	L0002878	-4.833493E-05	4.15	16.64	1.93
SRCPARAM	L0002879	-4.833493E-05	4.15	16.64	1.93
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SRCPARAM	L0002889	-4.833493E-05	4.15	16.63	1.93
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SRCPARAM	L0002894	-4.833493E-05	4.15	16.63	1.93
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SRCPARAM	L0002897	1.721403E-05	5.60	23.13	2.60
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SRCPARAM	L0002965	1.721403E-05	5.60	23.13	2.60
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SRCPARAM	L0002968	1.721403E-05	5.60	23.13	2.60
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SRCPARAM	L0013001	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013002	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013003	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013004	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013005	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013006	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013007	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013008	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013009	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013010	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013011	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013012	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013013	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013014	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013015	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013016	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013017	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013018	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013019	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013020	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013021	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013022	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013023	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013024	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013025	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013026	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013027	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013028	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013029	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013030	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013031	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013032	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013033	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013034	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013035	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013036	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013037	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013038	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013039	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013040	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013041	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013042	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013043	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013044	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013045	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013046	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013047	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013048	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013049	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013050	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013051	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013052	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013053	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013054	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013055	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013056	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013057	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013058	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013059	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013060	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013061	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013062	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013063	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013064	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013065	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013066	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013067	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013068	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013069	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013070	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013071	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013072	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013073	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013074	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013075	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013076	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013077	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013078	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013079	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013080	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013081	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013082	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013083	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013084	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013085	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013086	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013087	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013088	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013089	4.956973E-06	14.60	23.20	6.79
SRCPARAM	L0013090	4.956973E-06	14.60	23.20	6.79

SRCPARAM	L0013091	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013092	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013093	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013094	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013095	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013096	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013097	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013098	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013099	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013100	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013101	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013102	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013103	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013104	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013105	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013106	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013107	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013108	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013109	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013110	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013111	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013112	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013113	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013114	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013115	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013116	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013117	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013118	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013119	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0013120	4.956973E-06	14.60	23.20	6.79	
SRCPARAM	L0003121	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003122	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003123	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003124	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003125	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003126	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003127	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003128	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003129	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003130	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003131	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003132	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003133	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003134	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003135	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003136	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003137	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003138	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003139	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003140	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003141	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003142	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003143	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003144	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003145	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003146	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003147	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003148	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003149	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003150	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003151	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003152	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003153	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003154	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003155	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003156	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003157	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003158	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003159	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003160	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003161	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003162	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003163	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003164	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003165	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003166	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003167	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003168	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003169	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003170	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003171	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003172	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003173	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003174	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003175	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003176	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003177	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003178	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003179	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003180	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003181	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003182	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003183	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003184	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003185	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003186	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003187	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003188	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003189	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003190	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	L0003191	4.441543E-05	5.60	23.08	2.60	
SRCPARAM	STCK1	1.197554E-04	3.048	853.160	46.254	0.1016
SRCPARAM	STCK2	2.387980E-04	3.048	829.160	53.176	0.1524
SRCPARAM	L0003192	4.280298E-06	4.15	18.51	1.93	
SRCPARAM	L0003193	4.280298E-06	4.15	18.51	1.93	
SRCPARAM	L0003194	4.280298E-06	4.15	18.51	1.93	
SRCPARAM	L0003195	4.280298E-06	4.15	18.51	1.93	
SRCPARAM	L0003196	4.280298E-06	4.15	18.51	1.93	
SRCPARAM	L0003197	4.280298E-06	4.15	18.51	1.93	
SRCPARAM	L0003198	4.280298E-06	4.15	18.51	1.93	

SRCPARAM	L0003199	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003200	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003201	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003202	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003203	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003204	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003205	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003206	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003207	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003208	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003209	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003210	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003211	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003212	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003213	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003214	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003215	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003216	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003217	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003218	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003219	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003220	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003221	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003222	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003223	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003224	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003225	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003226	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003227	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003228	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003229	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003230	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003231	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003232	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003233	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003234	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003235	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003236	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003237	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003238	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003239	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003240	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003241	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003242	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003243	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003244	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003245	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003246	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003247	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003248	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003249	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003250	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003251	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003252	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003253	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003254	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003255	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003256	4.280298E-06	4.15	18.51	1.93
SRCPARAM	L0003257	4.280298E-06	4.15	18.51	1.93
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SRCPARAM	L0003276	4.280298E-06	4.15	18.51	1.93
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SRCPARAM	L0003518	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003519	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003520	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003521	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003522	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003523	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003524	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003525	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003526	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003527	4.280298E-06	4.15	18.57	1.93
SRCPARAM	L0003528	4.280298E-06	4.15	18.57	1.93

SRCPARAM	L0003529	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003530	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003531	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003532	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003533	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003534	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003535	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003536	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003537	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003538	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003539	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003540	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003541	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003542	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003543	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003544	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003545	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003546	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003547	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003548	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003549	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003550	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003551	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003552	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003553	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003554	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003555	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003556	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003557	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003558	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003559	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003560	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003561	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003562	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003563	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003564	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003565	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003566	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003567	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003568	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003569	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003570	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003571	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003572	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003573	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003574	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003575	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003576	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003577	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003578	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003579	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003580	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003581	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003582	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003583	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003584	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003585	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003586	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003587	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003588	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003589	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003590	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003591	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003592	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003593	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003594	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0003595	4.280298E-06	4.15	18.57	1.93	
SRCPARAM	L0013192	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013193	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013194	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013195	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013196	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013197	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013198	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013199	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013200	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013201	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013202	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013203	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013204	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013205	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013206	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013207	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013208	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013209	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013210	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013211	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013212	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013213	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013214	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013215	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013216	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013217	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013218	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013219	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013220	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013221	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013222	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013223	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013224	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013225	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013226	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013227	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013228	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013229	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013230	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013231	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013232	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013233	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013234	1.346344E-05	12.5	644.3	20.0	0.13

SRCPARAM	L0013235	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013236	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013237	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013238	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013239	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013240	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013241	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013242	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013243	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013244	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013245	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013246	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013247	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013248	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013249	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013250	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013251	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013252	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013253	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013254	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013255	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013256	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013257	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013258	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013259	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013260	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013261	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013262	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013263	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013264	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013265	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013266	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013267	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013268	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013269	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013270	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013271	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013272	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013273	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013274	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013275	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013276	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013277	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013278	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013279	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013280	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013281	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013282	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013283	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013284	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013285	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013286	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013287	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013288	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013289	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013290	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013291	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013292	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013293	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013294	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013295	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013296	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013297	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013298	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013299	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013300	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013301	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013302	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013303	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013304	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013305	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013306	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013307	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013308	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013309	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013310	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013311	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013312	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013313	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013314	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013315	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013316	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013317	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013318	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013319	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013320	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013321	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013322	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013323	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013324	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013325	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013326	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013327	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013328	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013329	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013330	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013331	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013332	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013333	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013334	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013335	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013336	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013337	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013338	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013339	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013340	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013341	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013342	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013343	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013344	1.346344E-05	12.5	644.3	20.0	0.13

SRCPARAM	L0013345	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013346	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013347	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013348	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013349	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013350	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013351	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013352	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013353	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013354	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013355	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013356	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013357	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013358	1.346344E-05	12.5	644.3	20.0	0.13
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SRCPARAM	L0013361	1.346344E-05	12.5	644.3	20.0	0.13
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SRCPARAM	L0013364	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013365	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013366	1.346344E-05	12.5	644.3	20.0	0.13
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SRCPARAM	L0013368	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013369	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013370	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013371	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013372	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013373	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013374	1.346344E-05	12.5	644.3	20.0	0.13
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SRCPARAM	L0013431	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013432	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013433	1.346344E-05	12.5	644.3	20.0	0.13
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SRCPARAM	L0013438	1.346344E-05	12.5	644.3	20.0	0.13
SRCPARAM	L0013439	1.346344E-05	12.5	644.3	20.0	0.13
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SRCPARAM	L0013470	1.346344E-05	12.5	644.3	20.0	0.13
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SRCPARAM	L0013564	1.346344E-05	12.5	644.3	20.0	0.13

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    SRCPARAM L0013593 1.346344E-05      12.5   644.3   20.0   0.13
    SRCPARAM L0013594 1.346344E-05      12.5   644.3   20.0   0.13
    SRCPARAM L0013595 1.346344E-05      12.5   644.3   20.0   0.13

    EMISFACT L0002371-L0002549  HROFDY 0.000 0.000 0.000 0.000 0.000 0.000
    EMISFACT L0002371-L0002549  HROFDY 1.000 1.000 1.000 1.000 1.000 1.000
    EMISFACT L0002371-L0002549  HROFDY 1.000 1.000 1.000 1.000 1.000 1.000
    EMISFACT L0002371-L0002549  HROFDY 0.000 0.000 0.000 0.000 0.000 0.000
    EMISFACT L0002897-L0003120  HROFDY 0.000 0.000 0.000 0.000 0.000 0.000
    EMISFACT L0002897-L0003120  HROFDY 1.000 1.000 1.000 1.000 1.000 1.000
    EMISFACT L0002897-L0003120  HROFDY 1.000 1.000 1.000 1.000 1.000 1.000
    EMISFACT L0002897-L0003120  HROFDY 0.000 0.000 0.000 0.000 0.000 0.000
    EMISFACT L0012371-L0012549  HROFDY 1.000 1.000 1.000 1.000 1.000 1.000
    EMISFACT L0012371-L0012549  HROFDY 0.000 0.000 0.000 0.000 0.000 0.000
    EMISFACT L0012371-L0012549  HROFDY 0.000 0.000 0.000 0.000 0.000 0.000
    EMISFACT L0012371-L0012549  HROFDY 1.000 1.000 1.000 1.000 1.000 1.000
    EMISFACT L0012897-L0013120  HROFDY 1.000 1.000 1.000 1.000 1.000 1.000
    EMISFACT L0012897-L0013120  HROFDY 0.000 0.000 0.000 0.000 0.000 0.000
    EMISFACT L0012897-L0013120  HROFDY 0.000 0.000 0.000 0.000 0.000 0.000
    EMISFACT L0012897-L0013120  HROFDY 1.000 1.000 1.000 1.000 1.000 1.000

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    SRCGROUP SLINE2 L0002301-L0002312
    SRCGROUP SLINE3 L0002363-L0002370
    SRCGROUP SLINE4 L0002371-L0002464
    SRCGROUP PLINE4 L0012371-L0012464
    SRCGROUP SLINE5 L0002465-L0002549
    SRCGROUP PLINE5 L0012465-L0012549
    SRCGROUP SLINE6 L0002550-L0002558
    SRCGROUP SLINE7 L0002559-L0002592
    SRCGROUP SLINE8 L0002593-L0002634
    SRCGROUP SLINE9 L0002635-L0002683
    SRCGROUP SLINE10 L0002684-L0002732
    SRCGROUP SLINE11 L0002733-L0002786
    SRCGROUP SLINE12 L0002787-L0002842
    SRCGROUP SLINE13 L0002843-L0002854
    SRCGROUP SLINE14 L0002855-L0002866
    SRCGROUP SLINE15 L0002867-L0002877
    SRCGROUP SLINE16 L0002878-L0002887
    SRCGROUP SLINE17 L0002888-L0002896
    SRCGROUP SLINE18 L0002897-L0002975
    SRCGROUP PLINE18 L0012897-L0012975
    SRCGROUP SLINE19 L0002976-L0003120
    SRCGROUP PLINE19 L0012976-L0013120
    SRCGROUP SLINE20 L0003121-L0003191
    SRCGROUP IWTP STCK1
    SRCGROUP GATE STCK2
    SRCGROUP SLINE21 L0003192-L0003308
    SRCGROUP SLINE22 L0003309-L0003414
    SRCGROUP SLINE23 L0003415-L0003595
    SRCGROUP LINEHAUL L0002897-L0002975 L0012897-L0012975
    SRCGROUP LNHLIDLE L0012301-L0012312
    SRCGROUP SWCHIDLE L0022301-L0022312
    SRCGROUP SWCHWORK L0002371-L0002549 L0012371-L0012549 L0002976-L0003120 L0012976-L0013120
    SRCGROUP DRAYTRKI L0002341-L0002362
    SRCGROUP CRGOHNDL L0003192-L0003595
    SRCGROUP RTGHNDL  L0013192-L0013595
    SRCGROUP TRUS     L0002550-L0002558 L0002593-L0002842 L0002855-L0002896
    SRCGROUP ALL
SO FINISHED
**
*****************************************
** AERMOD Receptor Pathway
*****************************************
**
**
RE STARTING
** END OF FENCELINE GRID RECEPTORS
** Discrete Cartesian Plant Boundary - Primary Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEPRI" "Cartesian plant boundary Primary Receptors"
   DISCCART     652934.62   4188159.79
   DISCCART     652891.80   4188749.57
   DISCCART     652898.61   4188748.60
   DISCCART     652730.73   4191196.29
   DISCCART     653028.05   4191206.02
   DISCCART     653168.20   4189206.02
   DISCCART     653262.60   4189205.05
   DISCCART     653289.85   4188796.29
   DISCCART     653273.79   4188795.32
   DISCCART     653278.66   4188701.89
   DISCCART     653231.46   4188709.19
```

```
   DISCCART    653231.94   4188697.51
   DISCCART    653205.18   4188697.02
   DISCCART    653253.35   4188006.51
   DISCCART    653168.68   4188005.54
   DISCCART    653158.46   4188015.27
   DISCCART    653154.57   4188111.13
   DISCCART    653138.03   4188112.11
   DISCCART    653136.57   4188089.23
   DISCCART    653070.87   4188087.29
   DISCCART    653060.65   4188096.53
   DISCCART    653048.49   4188105.78
   DISCCART    653034.86   4188105.78
   DISCCART    653031.94   4188160.28
** Discrete Cartesian Plant Boundary - Intermediate Receptors
** Plant Boundary Name PLBN1
** DESCRREC "FENCEINT" "Cartesian plant boundary Intermediate Receptors"
   DISCCART    652932.84   4188184.36
   DISCCART    652931.05   4188208.94
   DISCCART    652929.27   4188233.51
   DISCCART    652927.48   4188258.09
   DISCCART    652925.70   4188282.66
   DISCCART    652923.92   4188307.24
   DISCCART    652922.13   4188331.81
   DISCCART    652920.35   4188356.38
   DISCCART    652918.56   4188380.96
   DISCCART    652916.78   4188405.53
   DISCCART    652914.99   4188430.11
   DISCCART    652913.21   4188454.68
   DISCCART    652911.43   4188479.25
   DISCCART    652909.64   4188503.83
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   DISCCART    652906.07   4188552.98
   DISCCART    652904.29   4188577.55
   DISCCART    652902.51   4188602.13
   DISCCART    652900.72   4188626.70
   DISCCART    652898.94   4188651.27
   DISCCART    652897.15   4188675.85
   DISCCART    652895.37   4188700.42
   DISCCART    652893.58   4188725.00
   DISCCART    652896.91   4188773.32
   DISCCART    652895.22   4188798.05
   DISCCART    652893.52   4188822.77
   DISCCART    652891.83   4188847.50
   DISCCART    652890.13   4188872.22
   DISCCART    652888.44   4188896.94
   DISCCART    652886.74   4188921.67
   DISCCART    652885.04   4188946.39
   DISCCART    652883.35   4188971.12
   DISCCART    652881.65   4188995.84
   DISCCART    652879.96   4189020.57
   DISCCART    652878.26   4189045.29
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   DISCCART    652873.17   4189119.46
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   DISCCART    652866.39   4189218.36
   DISCCART    652864.69   4189243.08
   DISCCART    652863.00   4189267.81
   DISCCART    652861.30   4189292.53
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   DISCCART    652857.91   4189341.98
   DISCCART    652856.22   4189366.70
   DISCCART    652854.52   4189391.43
   DISCCART    652852.82   4189416.15
   DISCCART    652851.13   4189440.88
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   DISCCART    652824.00   4189836.46
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   DISCCART    652818.91   4189910.63
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   DISCCART    652815.52   4189960.08
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   DISCCART    652808.73   4190058.98
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   DISCCART    652793.47   4190281.50
   DISCCART    652791.78   4190306.22
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   DISCCART    652786.69   4190380.39
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   DISCCART    652778.21   4190504.01
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DISCCART	653116.29	4189946.76
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DISCCART	653126.67	4189798.61
DISCCART	653128.40	4189773.92
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DISCCART	653131.86	4189724.54
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DISCCART	653135.33	4189675.16
DISCCART	653137.06	4189650.46
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DISCCART	653150.90	4189452.93
DISCCART	653152.63	4189428.24

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   DISCCART    653273.82   4189036.74
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   DISCCART    653280.23   4188940.56
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   DISCCART    653285.04   4188868.42
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   DISCCART    653288.25   4188820.33
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   DISCCART    653277.44   4188725.25
   DISCCART    653255.06   4188705.54
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   DISCCART    653215.50   4188549.05
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   DISCCART    653220.66   4188475.07
   DISCCART    653222.38   4188450.41
   DISCCART    653224.10   4188425.75
   DISCCART    653225.82   4188401.09
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   DISCCART    653234.43   4188277.78
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   DISCCART    653211.02   4188006.03
   DISCCART    653189.85   4188005.78
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   DISCCART    653092.77   4188087.94
   DISCCART    653033.89   4188123.95
   DISCCART    653032.91   4188142.11
   DISCCART    653007.61   4188160.16
   DISCCART    652983.28   4188160.04
   DISCCART    652958.95   4188159.91
** Residential & Workplace Receptors
RE DISCCART    653604.0    4191168.0
RE DISCCART    653588.0    4190933.0
RE DISCCART    653594.0    4189999.0
RE DISCCART    653476.0    4189883.0
RE DISCCART    653354.0    4189808.0
RE DISCCART    653542.0    4189703.0
RE DISCCART    653628.0    4189498.0
RE DISCCART    653633.0    4189382.0
RE DISCCART    653629.0    4189120.0
RE DISCCART    653407.0    4188788.0
RE DISCCART    653666.0    4188604.0
RE DISCCART    653683.0    4188423.0
RE DISCCART    653572.0    4188259.0
RE DISCCART    653620.0    4187985.0
RE DISCCART    653337.0    4187981.0
RE DISCCART    652989.0    4188122.0
RE DISCCART    651751.0    4188075.0
RE DISCCART    651729.0    4188986.0
RE DISCCART    651726.0    4189755.0
RE DISCCART    652233.0    4190966.0
RE DISCCART    652155.0    4191175.0
RE DISCCART    652658.0    4191223.0
RE DISCCART    653409.0    4191269.0
RE FINISHED
**
******************************************
** AERMOD Meteorology Pathway
******************************************
**
**
ME STARTING
** Surface File Path: M:\MPVWORK\Lathrop\
   SURFFILE "23237 05-09.SFC"
** Profile File Path: M:\MPVWORK\Lathrop\
   PROFFILE "23237 05-09.PFL"
   SURFDATA 23237 2005 Stockton_Airport
   UAIRDATA 23230 2005 OAKLAND/WSO_AP
```

```
**   STARTEND 05 01 01 01  05 12 31 24
   PROFBASE 6 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
**   RECTABLE 24 1ST
** Auto-Generated Plotfiles
** Plotfile Path: P:\Union Pacific RR\Lathrop\LATHROP2.AD\
**   PLOTFILE 24 ALL 1ST 24H1GALL.PLT  35
   PLOTFILE PERIOD ALL LATHROP4b.PLT  36
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of           0 Fatal Error Message(s)
 A Total of           2 Warning Message(s)
 A Total of           0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320    3842  PPARM:Input Parameter May Be Out-of-Range for Parameter           VS
 ME W396    5062 MEOPEN:Met data from outdated version of AERMET, version:       06341

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************

♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                      ***        06/14/12
                                   *** Lathrop Railyard Expansion                                                    ***        16:41:19
                                                                                                                                PAGE   1
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                              NODRYDPLT NOWETDPLT

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Assumes Receptors on FLAT Terrain.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates PERIOD Averages Only

 **This Run Includes:   2116 Source(s);      38 Source Group(s); and     323 Receptor(s)

 **The Model Assumes A Pollutant Type of:  DPM

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     6.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      5.5 MB of RAM.

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                                   *** Lathrop Railyard Expansion                                                    ***        16:41:19
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 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                              NODRYDPLT NOWETDPLT
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*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0012301	0	0.25145E-03	652952.0	4190627.6	6.0	4.60	420.00	8.00	0.63	NO	NO	NO	
L0012302	0	0.25145E-03	652932.3	4190673.2	6.0	4.60	420.00	8.00	0.63	NO	NO	NO	
L0012303	0	0.25145E-03	652904.4	4190714.3	6.0	4.60	420.00	8.00	0.63	NO	NO	NO	

L0012304	0	0.25145E-03	652876.6	4190755.5	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012305	0	0.25145E-03	652848.7	4190796.6	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012306	0	0.25145E-03	652823.8	4190839.6	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012307	0	0.25145E-03	652806.1	4190885.3	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012308	0	0.25145E-03	652799.8	4190934.5	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012309	0	0.25145E-03	652797.4	4190984.1	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012310	0	0.25145E-03	652795.1	4191033.7	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012311	0	0.25145E-03	652792.7	4191083.4	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012312	0	0.25145E-03	652790.3	4191133.0	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0022301	0	0.10257E-06	652952.0	4190627.6	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022302	0	0.10257E-06	652932.3	4190673.2	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022303	0	0.10257E-06	652904.4	4190714.3	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022304	0	0.10257E-06	652876.6	4190755.5	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022305	0	0.10257E-06	652848.7	4190796.6	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022306	0	0.10257E-06	652823.8	4190839.6	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022307	0	0.10257E-06	652806.1	4190885.3	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022308	0	0.10257E-06	652799.8	4190934.5	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022309	0	0.10257E-06	652797.4	4190984.1	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022310	0	0.10257E-06	652795.1	4191033.7	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022311	0	0.10257E-06	652792.7	4191083.4	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022312	0	0.10257E-06	652790.3	4191133.0	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0012363	0	0.25145E-03	652939.4	4188221.1	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012364	0	0.25145E-03	652960.9	4188258.9	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012365	0	0.25145E-03	652982.5	4188296.7	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012366	0	0.25145E-03	653005.5	4188333.7	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012367	0	0.25145E-03	653028.7	4188370.5	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012368	0	0.25145E-03	653051.9	4188407.3	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012369	0	0.25145E-03	653068.4	4188447.5	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0012370	0	0.25145E-03	653083.5	4188488.3	6.0	4.60	420.00	8.00	0.63	NO	NO	NO
L0022363	0	0.10257E-06	652939.4	4188221.1	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022364	0	0.10257E-06	652960.9	4188258.9	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022365	0	0.10257E-06	652982.5	4188296.7	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022366	0	0.10257E-06	653005.5	4188333.7	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022367	0	0.10257E-06	653028.7	4188370.5	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022368	0	0.10257E-06	653051.9	4188407.3	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022369	0	0.10257E-06	653068.4	4188447.5	6.0	4.60	342.00	7.50	0.63	NO	NO	NO
L0022370	0	0.10257E-06	653083.5	4188488.3	6.0	4.60	342.00	7.50	0.63	NO	NO	NO

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.11976E-03	653185.7	4188140.1	6.0	3.05	853.16	46.25	0.10	NO	NO	NO	
STCK2	0	0.23880E-03	653066.8	4190696.0	6.0	3.05	829.16	53.18	0.15	NO	NO	NO	
L0013192	0	0.13463E-04	653017.7	4188472.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013193	0	0.13463E-04	653015.6	4188512.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013194	0	0.13463E-04	653012.8	4188551.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013195	0	0.13463E-04	653010.1	4188591.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013196	0	0.13463E-04	653007.3	4188631.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013197	0	0.13463E-04	653004.5	4188670.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013198	0	0.13463E-04	653001.7	4188710.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013199	0	0.13463E-04	652998.9	4188750.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013200	0	0.13463E-04	652996.1	4188790.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013201	0	0.13463E-04	652993.3	4188829.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013202	0	0.13463E-04	652990.5	4188869.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013203	0	0.13463E-04	652987.7	4188909.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013204	0	0.13463E-04	652984.9	4188948.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013205	0	0.13463E-04	652982.1	4188988.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013206	0	0.13463E-04	652979.3	4189028.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013207	0	0.13463E-04	652976.5	4189067.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013208	0	0.13463E-04	652973.7	4189107.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013209	0	0.13463E-04	652970.9	4189147.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013210	0	0.13463E-04	652968.1	4189186.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013211	0	0.13463E-04	652965.3	4189226.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013212	0	0.13463E-04	652962.5	4189266.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013213	0	0.13463E-04	652959.7	4189306.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013214	0	0.13463E-04	652956.9	4189345.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013215	0	0.13463E-04	652954.1	4189385.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013216	0	0.13463E-04	652951.3	4189425.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013217	0	0.13463E-04	652948.5	4189464.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013218	0	0.13463E-04	652945.7	4189504.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013219	0	0.13463E-04	652942.9	4189544.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013220	0	0.13463E-04	652940.1	4189583.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013221	0	0.13463E-04	652937.3	4189623.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013222	0	0.13463E-04	652934.5	4189663.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013223	0	0.13463E-04	652931.7	4189702.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013224	0	0.13463E-04	652928.9	4189742.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013225	0	0.13463E-04	652926.1	4189782.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013226	0	0.13463E-04	652923.3	4189822.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013227	0	0.13463E-04	652920.5	4189861.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013228	0	0.13463E-04	652917.7	4189901.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013229	0	0.13463E-04	652914.9	4189941.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0013230	0	0.13463E-04	652912.1	4189980.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

L0013231	0	0.13463E-04	652909.3	4190020.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013232	0	0.13463E-04	652906.5	4190060.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013233	0	0.13463E-04	652903.7	4190099.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013234	0	0.13463E-04	652900.9	4190139.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013235	0	0.13463E-04	652898.1	4190179.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013236	0	0.13463E-04	652895.3	4190219.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013237	0	0.13463E-04	652892.5	4190258.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013238	0	0.13463E-04	652889.7	4190298.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013239	0	0.13463E-04	652886.9	4190338.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013240	0	0.13463E-04	652884.1	4190377.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013241	0	0.13463E-04	652881.3	4190417.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013242	0	0.13463E-04	652878.5	4190457.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013243	0	0.13463E-04	652875.7	4190496.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013244	0	0.13463E-04	652872.9	4190536.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013245	0	0.13463E-04	652870.1	4190576.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013246	0	0.13463E-04	652867.3	4190615.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013247	0	0.13463E-04	652863.3	4190655.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013248	0	0.13463E-04	652852.2	4190693.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013249	0	0.13463E-04	652841.2	4190731.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013250	0	0.13463E-04	652836.6	4190764.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013251	0	0.13463E-04	652851.7	4190731.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013252	0	0.13463E-04	652862.3	4190693.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013253	0	0.13463E-04	652869.1	4190654.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013254	0	0.13463E-04	652872.0	4190614.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013255	0	0.13463E-04	652874.9	4190574.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013256	0	0.13463E-04	652877.7	4190534.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013257	0	0.13463E-04	652880.6	4190495.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013258	0	0.13463E-04	652883.5	4190455.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013259	0	0.13463E-04	652886.4	4190415.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013260	0	0.13463E-04	652889.2	4190376.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013261	0	0.13463E-04	652892.1	4190336.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013262	0	0.13463E-04	652895.0	4190296.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013263	0	0.13463E-04	652897.8	4190257.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013264	0	0.13463E-04	652900.7	4190217.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013265	0	0.13463E-04	652903.6	4190177.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013266	0	0.13463E-04	652906.4	4190138.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013267	0	0.13463E-04	652909.3	4190098.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013268	0	0.13463E-04	652912.2	4190058.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013269	0	0.13463E-04	652915.0	4190018.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0013270	0	0.13463E-04	652917.9	4189979.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013271	0	0.13463E-04	652920.8	4189939.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013272	0	0.13463E-04	652923.6	4189899.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013273	0	0.13463E-04	652926.5	4189860.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013274	0	0.13463E-04	652929.4	4189820.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013275	0	0.13463E-04	652932.2	4189780.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013276	0	0.13463E-04	652935.1	4189741.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013277	0	0.13463E-04	652938.0	4189701.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013278	0	0.13463E-04	652940.8	4189661.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013279	0	0.13463E-04	652943.7	4189622.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013280	0	0.13463E-04	652946.6	4189582.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013281	0	0.13463E-04	652949.4	4189542.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013282	0	0.13463E-04	652952.3	4189503.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013283	0	0.13463E-04	652955.2	4189463.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013284	0	0.13463E-04	652958.0	4189423.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013285	0	0.13463E-04	652960.9	4189383.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013286	0	0.13463E-04	652963.8	4189344.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013287	0	0.13463E-04	652966.7	4189304.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013288	0	0.13463E-04	652969.5	4189264.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013289	0	0.13463E-04	652972.4	4189225.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013290	0	0.13463E-04	652975.3	4189185.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013291	0	0.13463E-04	652978.1	4189145.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013292	0	0.13463E-04	652981.0	4189106.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013293	0	0.13463E-04	652983.9	4189066.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013294	0	0.13463E-04	652986.7	4189026.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013295	0	0.13463E-04	652989.6	4188987.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013296	0	0.13463E-04	652992.5	4188947.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013297	0	0.13463E-04	652995.3	4188907.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013298	0	0.13463E-04	652998.2	4188867.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013299	0	0.13463E-04	653001.1	4188828.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013300	0	0.13463E-04	653003.9	4188788.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013301	0	0.13463E-04	653006.8	4188748.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013302	0	0.13463E-04	653009.7	4188709.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013303	0	0.13463E-04	653012.5	4188669.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013304	0	0.13463E-04	653015.4	4188629.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013305	0	0.13463E-04	653018.3	4188590.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013306	0	0.13463E-04	653021.1	4188550.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013307	0	0.13463E-04	653023.9	4188510.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013308	0	0.13463E-04	653026.0	4188471.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013309	0	0.13463E-04	653086.8	4188525.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0013310	0	0.13463E-04	653093.9	4188564.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013311	0	0.13463E-04	653100.9	4188603.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013312	0	0.13463E-04	653099.4	4188643.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013313	0	0.13463E-04	653096.6	4188682.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013314	0	0.13463E-04	653093.8	4188722.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013315	0	0.13463E-04	653091.0	4188762.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013316	0	0.13463E-04	653088.2	4188801.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013317	0	0.13463E-04	653085.4	4188841.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013318	0	0.13463E-04	653082.7	4188881.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013319	0	0.13463E-04	653079.9	4188920.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013320	0	0.13463E-04	653077.1	4188960.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013321	0	0.13463E-04	653074.3	4189000.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013322	0	0.13463E-04	653071.5	4189040.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013323	0	0.13463E-04	653068.7	4189079.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013324	0	0.13463E-04	653065.9	4189119.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013325	0	0.13463E-04	653063.2	4189159.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013326	0	0.13463E-04	653060.4	4189198.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013327	0	0.13463E-04	653057.6	4189238.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013328	0	0.13463E-04	653054.8	4189278.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013329	0	0.13463E-04	653052.0	4189317.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013330	0	0.13463E-04	653049.2	4189357.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013331	0	0.13463E-04	653046.4	4189397.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013332	0	0.13463E-04	653043.6	4189436.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013333	0	0.13463E-04	653040.9	4189476.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013334	0	0.13463E-04	653038.1	4189516.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013335	0	0.13463E-04	653035.3	4189556.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013336	0	0.13463E-04	653032.5	4189595.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013337	0	0.13463E-04	653029.7	4189635.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013338	0	0.13463E-04	653026.9	4189675.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013339	0	0.13463E-04	653024.1	4189714.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013340	0	0.13463E-04	653021.4	4189754.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013341	0	0.13463E-04	653018.6	4189794.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013342	0	0.13463E-04	653015.8	4189833.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013343	0	0.13463E-04	653013.0	4189873.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013344	0	0.13463E-04	653010.2	4189913.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013345	0	0.13463E-04	653007.4	4189952.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013346	0	0.13463E-04	653004.6	4189992.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013347	0	0.13463E-04	653001.9	4190032.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013348	0	0.13463E-04	652999.1	4190071.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013349	0	0.13463E-04	652996.3	4190111.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0013350	0	0.13463E-04	652993.5	4190151.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013351	0	0.13463E-04	652990.7	4190191.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013352	0	0.13463E-04	652987.9	4190230.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013353	0	0.13463E-04	652985.1	4190270.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013354	0	0.13463E-04	652982.4	4190310.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013355	0	0.13463E-04	652979.6	4190349.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013356	0	0.13463E-04	652976.8	4190389.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013357	0	0.13463E-04	652974.0	4190429.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013358	0	0.13463E-04	652971.2	4190468.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013359	0	0.13463E-04	652968.4	4190508.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013360	0	0.13463E-04	652965.6	4190548.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013361	0	0.13463E-04	652956.9	4190586.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013362	0	0.13463E-04	652959.0	4190612.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013363	0	0.13463E-04	652969.3	4190573.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013364	0	0.13463E-04	652975.3	4190534.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013365	0	0.13463E-04	652978.1	4190494.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013366	0	0.13463E-04	652980.8	4190455.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013367	0	0.13463E-04	652983.6	4190415.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013368	0	0.13463E-04	652986.4	4190375.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013369	0	0.13463E-04	652989.2	4190336.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013370	0	0.13463E-04	652992.0	4190296.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013371	0	0.13463E-04	652994.8	4190256.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013372	0	0.13463E-04	652997.6	4190216.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013373	0	0.13463E-04	653000.4	4190177.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013374	0	0.13463E-04	653003.2	4190137.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013375	0	0.13463E-04	653006.0	4190097.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013376	0	0.13463E-04	653008.8	4190058.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013377	0	0.13463E-04	653011.6	4190018.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013378	0	0.13463E-04	653014.4	4189978.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013379	0	0.13463E-04	653017.1	4189939.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013380	0	0.13463E-04	653019.9	4189899.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013381	0	0.13463E-04	653022.7	4189859.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013382	0	0.13463E-04	653025.5	4189820.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013383	0	0.13463E-04	653028.3	4189780.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013384	0	0.13463E-04	653031.1	4189740.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013385	0	0.13463E-04	653033.9	4189700.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013386	0	0.13463E-04	653036.7	4189661.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013387	0	0.13463E-04	653039.5	4189621.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013388	0	0.13463E-04	653042.3	4189581.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013389	0	0.13463E-04	653045.1	4189542.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY

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SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0013390	0	0.13463E-04	653047.9	4189502.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013391	0	0.13463E-04	653050.6	4189462.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013392	0	0.13463E-04	653053.4	4189423.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013393	0	0.13463E-04	653056.2	4189383.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013394	0	0.13463E-04	653059.0	4189343.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013395	0	0.13463E-04	653061.8	4189304.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013396	0	0.13463E-04	653064.6	4189264.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013397	0	0.13463E-04	653067.4	4189224.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013398	0	0.13463E-04	653070.2	4189185.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013399	0	0.13463E-04	653073.0	4189145.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013400	0	0.13463E-04	653075.8	4189105.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013401	0	0.13463E-04	653078.6	4189065.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013402	0	0.13463E-04	653081.4	4189026.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013403	0	0.13463E-04	653084.2	4188986.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013404	0	0.13463E-04	653086.9	4188946.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013405	0	0.13463E-04	653089.7	4188907.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013406	0	0.13463E-04	653092.5	4188867.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013407	0	0.13463E-04	653095.3	4188827.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013408	0	0.13463E-04	653098.1	4188788.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013409	0	0.13463E-04	653100.9	4188748.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013410	0	0.13463E-04	653103.7	4188708.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013411	0	0.13463E-04	653106.5	4188669.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013412	0	0.13463E-04	653109.3	4188629.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013413	0	0.13463E-04	653106.7	4188589.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013414	0	0.13463E-04	653101.7	4188550.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013415	0	0.13463E-04	652932.5	4188341.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013416	0	0.13463E-04	652929.7	4188381.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013417	0	0.13463E-04	652926.9	4188421.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013418	0	0.13463E-04	652924.1	4188460.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013419	0	0.13463E-04	652921.3	4188500.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013420	0	0.13463E-04	652918.5	4188540.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013421	0	0.13463E-04	652915.7	4188580.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013422	0	0.13463E-04	652912.9	4188620.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013423	0	0.13463E-04	652910.1	4188660.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013424	0	0.13463E-04	652907.4	4188699.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013425	0	0.13463E-04	652904.6	4188739.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013426	0	0.13463E-04	652901.8	4188779.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013427	0	0.13463E-04	652899.0	4188819.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013428	0	0.13463E-04	652896.2	4188859.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013429	0	0.13463E-04	652893.4	4188899.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

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SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0013430	0	0.13463E-04	652890.6	4188938.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013431	0	0.13463E-04	652887.8	4188978.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013432	0	0.13463E-04	652885.0	4189018.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013433	0	0.13463E-04	652882.2	4189058.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013434	0	0.13463E-04	652879.4	4189098.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013435	0	0.13463E-04	652876.6	4189138.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013436	0	0.13463E-04	652873.8	4189177.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013437	0	0.13463E-04	652871.0	4189217.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013438	0	0.13463E-04	652868.2	4189257.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013439	0	0.13463E-04	652865.4	4189297.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013440	0	0.13463E-04	652862.6	4189337.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013441	0	0.13463E-04	652859.8	4189376.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013442	0	0.13463E-04	652857.0	4189416.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013443	0	0.13463E-04	652854.2	4189456.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013444	0	0.13463E-04	652851.4	4189496.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013445	0	0.13463E-04	652848.6	4189536.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013446	0	0.13463E-04	652845.8	4189576.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013447	0	0.13463E-04	652843.0	4189615.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013448	0	0.13463E-04	652840.2	4189655.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013449	0	0.13463E-04	652837.4	4189695.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013450	0	0.13463E-04	652834.6	4189735.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013451	0	0.13463E-04	652831.8	4189775.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013452	0	0.13463E-04	652829.0	4189815.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013453	0	0.13463E-04	652826.2	4189854.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013454	0	0.13463E-04	652823.4	4189894.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013455	0	0.13463E-04	652820.6	4189934.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013456	0	0.13463E-04	652817.8	4189974.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013457	0	0.13463E-04	652815.0	4190014.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013458	0	0.13463E-04	652812.2	4190054.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013459	0	0.13463E-04	652809.4	4190093.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013460	0	0.13463E-04	652806.6	4190133.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013461	0	0.13463E-04	652803.8	4190173.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013462	0	0.13463E-04	652801.1	4190213.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013463	0	0.13463E-04	652798.3	4190253.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013464	0	0.13463E-04	652795.5	4190293.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013465	0	0.13463E-04	652792.7	4190332.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013466	0	0.13463E-04	652789.9	4190372.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013467	0	0.13463E-04	652787.1	4190412.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013468	0	0.13463E-04	652784.3	4190452.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013469	0	0.13463E-04	652781.5	4190492.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

NUMBER EMISSION RATE BASE STACK STACK STACK STACK BLDG URBAN CAP/ EMIS
RATE

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	TEMP. (DEG.K)	EXIT VEL. (M/SEC)	DIAMETER (METERS)	EXISTS	SOURCE	HOR	SCALAR VARY BY
L0013470	0	0.13463E-04	652778.7	4190531.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013471	0	0.13463E-04	652775.9	4190571.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013472	0	0.13463E-04	652773.1	4190611.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013473	0	0.13463E-04	652770.3	4190651.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013474	0	0.13463E-04	652767.5	4190691.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013475	0	0.13463E-04	652764.7	4190731.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013476	0	0.13463E-04	652772.4	4190739.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013477	0	0.13463E-04	652775.2	4190700.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013478	0	0.13463E-04	652778.0	4190660.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013479	0	0.13463E-04	652780.9	4190620.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013480	0	0.13463E-04	652783.7	4190580.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013481	0	0.13463E-04	652786.5	4190540.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013482	0	0.13463E-04	652789.3	4190500.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013483	0	0.13463E-04	652792.1	4190461.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013484	0	0.13463E-04	652794.9	4190421.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013485	0	0.13463E-04	652797.7	4190381.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013486	0	0.13463E-04	652800.5	4190341.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013487	0	0.13463E-04	652803.3	4190301.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013488	0	0.13463E-04	652806.1	4190262.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013489	0	0.13463E-04	652809.0	4190222.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013490	0	0.13463E-04	652811.8	4190182.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013491	0	0.13463E-04	652814.6	4190142.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013492	0	0.13463E-04	652817.4	4190102.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013493	0	0.13463E-04	652820.2	4190062.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013494	0	0.13463E-04	652823.0	4190023.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013495	0	0.13463E-04	652825.8	4189983.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013496	0	0.13463E-04	652828.6	4189943.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013497	0	0.13463E-04	652831.4	4189903.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013498	0	0.13463E-04	652834.2	4189863.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013499	0	0.13463E-04	652837.1	4189823.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013500	0	0.13463E-04	652839.9	4189784.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013501	0	0.13463E-04	652842.7	4189744.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013502	0	0.13463E-04	652845.5	4189704.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013503	0	0.13463E-04	652848.3	4189664.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013504	0	0.13463E-04	652851.1	4189624.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013505	0	0.13463E-04	652853.9	4189584.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013506	0	0.13463E-04	652856.7	4189545.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013507	0	0.13463E-04	652859.5	4189505.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013508	0	0.13463E-04	652862.3	4189465.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013509	0	0.13463E-04	652865.2	4189425.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0013510	0	0.13463E-04	652868.0	4189385.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013511	0	0.13463E-04	652870.8	4189346.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013512	0	0.13463E-04	652873.6	4189306.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013513	0	0.13463E-04	652876.4	4189266.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013514	0	0.13463E-04	652879.2	4189226.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013515	0	0.13463E-04	652882.0	4189186.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013516	0	0.13463E-04	652884.8	4189146.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013517	0	0.13463E-04	652887.6	4189107.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013518	0	0.13463E-04	652890.4	4189067.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013519	0	0.13463E-04	652893.3	4189027.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013520	0	0.13463E-04	652896.1	4188987.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013521	0	0.13463E-04	652898.9	4188947.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013522	0	0.13463E-04	652901.7	4188907.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013523	0	0.13463E-04	652904.5	4188868.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013524	0	0.13463E-04	652907.3	4188828.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013525	0	0.13463E-04	652910.1	4188788.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013526	0	0.13463E-04	652912.9	4188748.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013527	0	0.13463E-04	652915.7	4188708.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013528	0	0.13463E-04	652918.5	4188668.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013529	0	0.13463E-04	652921.4	4188629.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013530	0	0.13463E-04	652924.2	4188589.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013531	0	0.13463E-04	652927.0	4188549.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013532	0	0.13463E-04	652929.8	4188509.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013533	0	0.13463E-04	652932.6	4188469.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013534	0	0.13463E-04	652935.4	4188429.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013535	0	0.13463E-04	652938.2	4188390.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013536	0	0.13463E-04	652942.4	4188373.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013537	0	0.13463E-04	652944.2	4188413.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013538	0	0.13463E-04	652941.4	4188453.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013539	0	0.13463E-04	652938.6	4188492.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013540	0	0.13463E-04	652935.8	4188532.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013541	0	0.13463E-04	652932.9	4188572.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013542	0	0.13463E-04	652930.1	4188612.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013543	0	0.13463E-04	652927.3	4188652.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013544	0	0.13463E-04	652924.5	4188692.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013545	0	0.13463E-04	652921.7	4188731.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013546	0	0.13463E-04	652918.8	4188771.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013547	0	0.13463E-04	652916.0	4188811.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013548	0	0.13463E-04	652913.2	4188851.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013549	0	0.13463E-04	652910.4	4188891.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0013550	0	0.13463E-04	652907.6	4188931.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013551	0	0.13463E-04	652904.7	4188970.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013552	0	0.13463E-04	652901.9	4189010.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013553	0	0.13463E-04	652899.1	4189050.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013554	0	0.13463E-04	652896.3	4189090.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013555	0	0.13463E-04	652893.5	4189130.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013556	0	0.13463E-04	652890.6	4189169.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013557	0	0.13463E-04	652887.8	4189209.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013558	0	0.13463E-04	652885.0	4189249.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013559	0	0.13463E-04	652882.2	4189289.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013560	0	0.13463E-04	652879.4	4189329.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013561	0	0.13463E-04	652876.6	4189369.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013562	0	0.13463E-04	652873.7	4189408.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013563	0	0.13463E-04	652870.9	4189448.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013564	0	0.13463E-04	652868.1	4189488.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013565	0	0.13463E-04	652865.3	4189528.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013566	0	0.13463E-04	652862.5	4189568.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013567	0	0.13463E-04	652859.6	4189608.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013568	0	0.13463E-04	652856.8	4189647.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013569	0	0.13463E-04	652854.0	4189687.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013570	0	0.13463E-04	652851.2	4189727.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013571	0	0.13463E-04	652848.4	4189767.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013572	0	0.13463E-04	652845.5	4189807.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013573	0	0.13463E-04	652842.7	4189847.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013574	0	0.13463E-04	652839.9	4189886.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013575	0	0.13463E-04	652837.1	4189926.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013576	0	0.13463E-04	652834.3	4189966.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013577	0	0.13463E-04	652831.4	4190006.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013578	0	0.13463E-04	652828.6	4190046.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013579	0	0.13463E-04	652825.8	4190085.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013580	0	0.13463E-04	652823.0	4190125.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013581	0	0.13463E-04	652820.2	4190165.6	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013582	0	0.13463E-04	652817.3	4190205.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013583	0	0.13463E-04	652814.5	4190245.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013584	0	0.13463E-04	652811.7	4190285.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013585	0	0.13463E-04	652808.9	4190324.9	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013586	0	0.13463E-04	652806.1	4190364.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013587	0	0.13463E-04	652803.2	4190404.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013588	0	0.13463E-04	652800.4	4190444.4	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013589	0	0.13463E-04	652797.6	4190484.2	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

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NODRYDPLT NOWETDPLT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
L0013590	0	0.13463E-04	652794.8	4190524.0	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013591	0	0.13463E-04	652792.0	4190563.8	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013592	0	0.13463E-04	652789.2	4190603.7	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013593	0	0.13463E-04	652786.3	4190643.5	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013594	0	0.13463E-04	652783.5	4190683.3	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	
L0013595	0	0.13463E-04	652780.7	4190723.1	6.0	12.50	644.30	20.00	0.13	NO	NO	NO	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002341	0	0.36950E-04	653063.4	4190368.1	6.0	5.60	22.63	2.60	NO	
L0002342	0	0.36950E-04	653060.4	4190416.6	6.0	5.60	22.63	2.60	NO	
L0002343	0	0.36950E-04	653057.4	4190465.2	6.0	5.60	22.63	2.60	NO	
L0002344	0	0.36950E-04	653054.4	4190513.7	6.0	5.60	22.63	2.60	NO	
L0002345	0	0.36950E-04	653051.3	4190562.3	6.0	5.60	22.63	2.60	NO	
L0002346	0	0.36950E-04	653048.3	4190610.8	6.0	5.60	22.63	2.60	NO	
L0002347	0	0.36950E-04	653045.3	4190659.4	6.0	5.60	22.63	2.60	NO	
L0002348	0	0.36950E-04	653042.3	4190707.9	6.0	5.60	22.63	2.60	NO	
L0002349	0	0.36950E-04	653039.3	4190756.5	6.0	5.60	22.63	2.60	NO	
L0002350	0	0.36950E-04	653036.3	4190805.0	6.0	5.60	22.63	2.60	NO	
L0002351	0	0.36950E-04	653033.2	4190853.6	6.0	5.60	22.63	2.60	NO	
L0002352	0	0.36950E-04	653030.2	4190902.1	6.0	5.60	22.63	2.60	NO	
L0002353	0	0.36950E-04	653027.2	4190950.7	6.0	5.60	22.63	2.60	NO	
L0002354	0	0.36950E-04	653024.2	4190999.2	6.0	5.60	22.63	2.60	NO	
L0002355	0	0.36950E-04	653003.0	4191028.5	6.0	5.60	22.63	2.60	NO	
L0002356	0	0.36950E-04	652984.8	4190999.5	6.0	5.60	22.63	2.60	NO	
L0002357	0	0.36950E-04	652987.3	4190950.9	6.0	5.60	22.63	2.60	NO	
L0002358	0	0.36950E-04	652989.7	4190902.3	6.0	5.60	22.63	2.60	NO	
L0002359	0	0.36950E-04	652992.2	4190853.7	6.0	5.60	22.63	2.60	NO	
L0002360	0	0.36950E-04	652994.6	4190805.2	6.0	5.60	22.63	2.60	NO	
L0002361	0	0.36950E-04	652997.0	4190756.6	6.0	5.60	22.63	2.60	NO	
L0002362	0	0.36950E-04	652999.5	4190708.0	6.0	5.60	22.63	2.60	NO	
L0002301	0	0.21996E-04	652952.0	4190627.6	6.0	5.60	23.11	2.60	NO	
L0002302	0	0.21996E-04	652932.3	4190673.2	6.0	5.60	23.11	2.60	NO	
L0002303	0	0.21996E-04	652904.4	4190714.3	6.0	5.60	23.11	2.60	NO	
L0002304	0	0.21996E-04	652876.6	4190755.5	6.0	5.60	23.11	2.60	NO	
L0002305	0	0.21996E-04	652848.7	4190796.6	6.0	5.60	23.11	2.60	NO	

L0002306	0	0.21996E-04	652823.8	4190839.6	6.0	5.60	23.11	2.60	NO	
L0002307	0	0.21996E-04	652806.1	4190885.3	6.0	5.60	23.11	2.60	NO	
L0002308	0	0.21996E-04	652799.8	4190934.5	6.0	5.60	23.11	2.60	NO	
L0002309	0	0.21996E-04	652797.4	4190984.1	6.0	5.60	23.11	2.60	NO	
L0002310	0	0.21996E-04	652795.1	4191033.7	6.0	5.60	23.11	2.60	NO	
L0002311	0	0.21996E-04	652792.7	4191083.4	6.0	5.60	23.11	2.60	NO	
L0002312	0	0.21996E-04	652790.3	4191133.0	6.0	5.60	23.11	2.60	NO	
L0002363	0	0.21996E-04	652939.4	4188221.1	6.0	5.60	20.24	2.60	NO	
L0002364	0	0.21996E-04	652960.9	4188258.9	6.0	5.60	20.24	2.60	NO	
L0002365	0	0.21996E-04	652982.5	4188296.7	6.0	5.60	20.24	2.60	NO	
L0002366	0	0.21996E-04	653005.5	4188333.7	6.0	5.60	20.24	2.60	NO	
L0002367	0	0.21996E-04	653028.7	4188370.5	6.0	5.60	20.24	2.60	NO	
L0002368	0	0.21996E-04	653051.9	4188407.3	6.0	5.60	20.24	2.60	NO	

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**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002369	0	0.21996E-04	653068.4	4188447.5	6.0	5.60	20.24	2.60	NO	
L0002370	0	0.21996E-04	653083.5	4188488.3	6.0	5.60	20.24	2.60	NO	
L0002371	0	0.49570E-05	653017.6	4188474.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002372	0	0.49570E-05	653014.8	4188524.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002373	0	0.49570E-05	653011.3	4188573.8	6.0	5.60	23.06	2.60	NO	HROFDY
L0002374	0	0.49570E-05	653007.8	4188623.3	6.0	5.60	23.06	2.60	NO	HROFDY
L0002375	0	0.49570E-05	653004.3	4188672.7	6.0	5.60	23.06	2.60	NO	HROFDY
L0002376	0	0.49570E-05	653000.8	4188722.2	6.0	5.60	23.06	2.60	NO	HROFDY
L0002377	0	0.49570E-05	652997.4	4188771.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002378	0	0.49570E-05	652993.9	4188821.1	6.0	5.60	23.06	2.60	NO	HROFDY
L0002379	0	0.49570E-05	652990.4	4188870.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002380	0	0.49570E-05	652986.9	4188920.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002381	0	0.49570E-05	652983.4	4188969.5	6.0	5.60	23.06	2.60	NO	HROFDY
L0002382	0	0.49570E-05	652979.9	4189018.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002383	0	0.49570E-05	652976.4	4189068.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002384	0	0.49570E-05	652972.9	4189117.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002385	0	0.49570E-05	652969.5	4189167.3	6.0	5.60	23.06	2.60	NO	HROFDY
L0002386	0	0.49570E-05	652966.0	4189216.8	6.0	5.60	23.06	2.60	NO	HROFDY
L0002387	0	0.49570E-05	652962.5	4189266.2	6.0	5.60	23.06	2.60	NO	HROFDY
L0002388	0	0.49570E-05	652959.0	4189315.7	6.0	5.60	23.06	2.60	NO	HROFDY
L0002389	0	0.49570E-05	652955.5	4189365.1	6.0	5.60	23.06	2.60	NO	HROFDY
L0002390	0	0.49570E-05	652952.0	4189414.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002391	0	0.49570E-05	652948.5	4189464.1	6.0	5.60	23.06	2.60	NO	HROFDY
L0002392	0	0.49570E-05	652945.1	4189513.5	6.0	5.60	23.06	2.60	NO	HROFDY
L0002393	0	0.49570E-05	652941.6	4189563.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002394	0	0.49570E-05	652938.1	4189612.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002395	0	0.49570E-05	652934.6	4189661.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002396	0	0.49570E-05	652931.1	4189711.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002397	0	0.49570E-05	652927.6	4189760.8	6.0	5.60	23.06	2.60	NO	HROFDY
L0002398	0	0.49570E-05	652924.1	4189810.3	6.0	5.60	23.06	2.60	NO	HROFDY
L0002399	0	0.49570E-05	652920.6	4189859.7	6.0	5.60	23.06	2.60	NO	HROFDY
L0002400	0	0.49570E-05	652917.2	4189909.2	6.0	5.60	23.06	2.60	NO	HROFDY
L0002401	0	0.49570E-05	652913.7	4189958.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002402	0	0.49570E-05	652910.2	4190008.1	6.0	5.60	23.06	2.60	NO	HROFDY
L0002403	0	0.49570E-05	652906.7	4190057.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002404	0	0.49570E-05	652903.2	4190107.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002405	0	0.49570E-05	652899.7	4190156.5	6.0	5.60	23.06	2.60	NO	HROFDY
L0002406	0	0.49570E-05	652896.2	4190205.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002407	0	0.49570E-05	652892.8	4190255.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002408	0	0.49570E-05	652889.3	4190304.9	6.0	5.60	23.06	2.60	NO	HROFDY

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002409	0	0.49570E-05	652885.8	4190354.3	6.0	5.60	23.06	2.60	NO	HROFDY
L0002410	0	0.49570E-05	652882.3	4190403.8	6.0	5.60	23.06	2.60	NO	HROFDY
L0002411	0	0.49570E-05	652878.8	4190453.2	6.0	5.60	23.06	2.60	NO	HROFDY
L0002412	0	0.49570E-05	652875.3	4190502.7	6.0	5.60	23.06	2.60	NO	HROFDY
L0002413	0	0.49570E-05	652871.8	4190552.1	6.0	5.60	23.06	2.60	NO	HROFDY
L0002414	0	0.49570E-05	652868.3	4190601.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002415	0	0.49570E-05	652864.5	4190651.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002416	0	0.49570E-05	652850.8	4190698.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002417	0	0.49570E-05	652837.0	4190746.3	6.0	5.60	23.06	2.60	NO	HROFDY
L0002418	0	0.49570E-05	652847.7	4190745.8	6.0	5.60	23.06	2.60	NO	HROFDY
L0002419	0	0.49570E-05	652860.9	4190698.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002420	0	0.49570E-05	652869.5	4190649.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002421	0	0.49570E-05	652873.0	4190599.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002422	0	0.49570E-05	652876.6	4190550.5	6.0	5.60	23.06	2.60	NO	HROFDY
L0002423	0	0.49570E-05	652880.2	4190501.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002424	0	0.49570E-05	652883.8	4190451.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002425	0	0.49570E-05	652887.3	4190402.1	6.0	5.60	23.06	2.60	NO	HROFDY
L0002426	0	0.49570E-05	652890.9	4190352.7	6.0	5.60	23.06	2.60	NO	HROFDY
L0002427	0	0.49570E-05	652894.5	4190303.2	6.0	5.60	23.06	2.60	NO	HROFDY
L0002428	0	0.49570E-05	652898.1	4190253.8	6.0	5.60	23.06	2.60	NO	HROFDY
L0002429	0	0.49570E-05	652901.6	4190204.3	6.0	5.60	23.06	2.60	NO	HROFDY
L0002430	0	0.49570E-05	652905.2	4190154.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002431	0	0.49570E-05	652908.8	4190105.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002432	0	0.49570E-05	652912.4	4190056.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002433	0	0.49570E-05	652915.9	4190006.5	6.0	5.60	23.06	2.60	NO	HROFDY
L0002434	0	0.49570E-05	652919.5	4189957.1	6.0	5.60	23.06	2.60	NO	HROFDY
L0002435	0	0.49570E-05	652923.1	4189907.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002436	0	0.49570E-05	652926.6	4189858.2	6.0	5.60	23.06	2.60	NO	HROFDY
L0002437	0	0.49570E-05	652930.2	4189808.7	6.0	5.60	23.06	2.60	NO	HROFDY

L0002438	0	0.49570E-05	652933.8	4189759.3	6.0	5.60	23.06	2.60	NO	HROFDY
L0002439	0	0.49570E-05	652937.4	4189709.8	6.0	5.60	23.06	2.60	NO	HROFDY
L0002440	0	0.49570E-05	652940.9	4189660.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002441	0	0.49570E-05	652944.5	4189610.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002442	0	0.49570E-05	652948.1	4189561.5	6.0	5.60	23.06	2.60	NO	HROFDY
L0002443	0	0.49570E-05	652951.7	4189512.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002444	0	0.49570E-05	652955.2	4189462.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002445	0	0.49570E-05	652958.8	4189413.1	6.0	5.60	23.06	2.60	NO	HROFDY
L0002446	0	0.49570E-05	652962.4	4189363.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002447	0	0.49570E-05	652966.0	4189314.2	6.0	5.60	23.06	2.60	NO	HROFDY
L0002448	0	0.49570E-05	652969.5	4189264.7	6.0	5.60	23.06	2.60	NO	HROFDY

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**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002449	0	0.49570E-05	652973.1	4189215.3	6.0	5.60	23.06	2.60	NO	HROFDY
L0002450	0	0.49570E-05	652976.7	4189165.8	6.0	5.60	23.06	2.60	NO	HROFDY
L0002451	0	0.49570E-05	652980.2	4189116.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002452	0	0.49570E-05	652983.8	4189066.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002453	0	0.49570E-05	652987.4	4189017.5	6.0	5.60	23.06	2.60	NO	HROFDY
L0002454	0	0.49570E-05	652991.0	4188968.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002455	0	0.49570E-05	652994.5	4188918.6	6.0	5.60	23.06	2.60	NO	HROFDY
L0002456	0	0.49570E-05	652998.1	4188869.1	6.0	5.60	23.06	2.60	NO	HROFDY
L0002457	0	0.49570E-05	653001.7	4188819.7	6.0	5.60	23.06	2.60	NO	HROFDY
L0002458	0	0.49570E-05	653005.3	4188770.2	6.0	5.60	23.06	2.60	NO	HROFDY
L0002459	0	0.49570E-05	653008.8	4188720.8	6.0	5.60	23.06	2.60	NO	HROFDY
L0002460	0	0.49570E-05	653012.4	4188671.3	6.0	5.60	23.06	2.60	NO	HROFDY
L0002461	0	0.49570E-05	653016.0	4188621.9	6.0	5.60	23.06	2.60	NO	HROFDY
L0002462	0	0.49570E-05	653019.6	4188572.4	6.0	5.60	23.06	2.60	NO	HROFDY
L0002463	0	0.49570E-05	653023.1	4188523.0	6.0	5.60	23.06	2.60	NO	HROFDY
L0002464	0	0.49570E-05	653025.9	4188473.5	6.0	5.60	23.06	2.60	NO	HROFDY
L0012371	0	0.49570E-05	653017.6	4188474.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012372	0	0.49570E-05	653014.8	4188524.4	6.0	14.60	23.06	6.79	NO	HROFDY
L0012373	0	0.49570E-05	653011.3	4188573.8	6.0	14.60	23.06	6.79	NO	HROFDY
L0012374	0	0.49570E-05	653007.8	4188623.3	6.0	14.60	23.06	6.79	NO	HROFDY
L0012375	0	0.49570E-05	653004.3	4188672.7	6.0	14.60	23.06	6.79	NO	HROFDY
L0012376	0	0.49570E-05	653000.8	4188722.2	6.0	14.60	23.06	6.79	NO	HROFDY
L0012377	0	0.49570E-05	652997.4	4188771.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012378	0	0.49570E-05	652993.9	4188821.1	6.0	14.60	23.06	6.79	NO	HROFDY
L0012379	0	0.49570E-05	652990.4	4188870.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012380	0	0.49570E-05	652986.9	4188920.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012381	0	0.49570E-05	652983.4	4188969.5	6.0	14.60	23.06	6.79	NO	HROFDY
L0012382	0	0.49570E-05	652979.9	4189018.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012383	0	0.49570E-05	652976.4	4189068.4	6.0	14.60	23.06	6.79	NO	HROFDY
L0012384	0	0.49570E-05	652972.9	4189117.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012385	0	0.49570E-05	652969.5	4189167.3	6.0	14.60	23.06	6.79	NO	HROFDY
L0012386	0	0.49570E-05	652966.0	4189216.8	6.0	14.60	23.06	6.79	NO	HROFDY
L0012387	0	0.49570E-05	652962.5	4189266.2	6.0	14.60	23.06	6.79	NO	HROFDY
L0012388	0	0.49570E-05	652959.0	4189315.7	6.0	14.60	23.06	6.79	NO	HROFDY
L0012389	0	0.49570E-05	652955.5	4189365.1	6.0	14.60	23.06	6.79	NO	HROFDY
L0012390	0	0.49570E-05	652952.0	4189414.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012391	0	0.49570E-05	652948.5	4189464.1	6.0	14.60	23.06	6.79	NO	HROFDY
L0012392	0	0.49570E-05	652945.1	4189513.5	6.0	14.60	23.06	6.79	NO	HROFDY
L0012393	0	0.49570E-05	652941.6	4189563.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012394	0	0.49570E-05	652938.1	4189612.4	6.0	14.60	23.06	6.79	NO	HROFDY

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**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0012395	0	0.49570E-05	652934.6	4189661.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012396	0	0.49570E-05	652931.1	4189711.4	6.0	14.60	23.06	6.79	NO	HROFDY
L0012397	0	0.49570E-05	652927.6	4189760.8	6.0	14.60	23.06	6.79	NO	HROFDY
L0012398	0	0.49570E-05	652924.1	4189810.3	6.0	14.60	23.06	6.79	NO	HROFDY
L0012399	0	0.49570E-05	652920.6	4189859.7	6.0	14.60	23.06	6.79	NO	HROFDY
L0012400	0	0.49570E-05	652917.2	4189909.2	6.0	14.60	23.06	6.79	NO	HROFDY
L0012401	0	0.49570E-05	652913.7	4189958.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012402	0	0.49570E-05	652910.2	4190008.1	6.0	14.60	23.06	6.79	NO	HROFDY
L0012403	0	0.49570E-05	652906.7	4190057.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012404	0	0.49570E-05	652903.2	4190107.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012405	0	0.49570E-05	652899.7	4190156.5	6.0	14.60	23.06	6.79	NO	HROFDY
L0012406	0	0.49570E-05	652896.2	4190205.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012407	0	0.49570E-05	652892.8	4190255.4	6.0	14.60	23.06	6.79	NO	HROFDY
L0012408	0	0.49570E-05	652889.3	4190304.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012409	0	0.49570E-05	652885.8	4190354.3	6.0	14.60	23.06	6.79	NO	HROFDY
L0012410	0	0.49570E-05	652882.3	4190403.8	6.0	14.60	23.06	6.79	NO	HROFDY
L0012411	0	0.49570E-05	652878.8	4190453.2	6.0	14.60	23.06	6.79	NO	HROFDY
L0012412	0	0.49570E-05	652875.3	4190502.7	6.0	14.60	23.06	6.79	NO	HROFDY
L0012413	0	0.49570E-05	652871.8	4190552.1	6.0	14.60	23.06	6.79	NO	HROFDY
L0012414	0	0.49570E-05	652868.3	4190601.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012415	0	0.49570E-05	652864.5	4190651.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012416	0	0.49570E-05	652850.8	4190698.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012417	0	0.49570E-05	652837.0	4190746.3	6.0	14.60	23.06	6.79	NO	HROFDY
L0012418	0	0.49570E-05	652847.7	4190745.8	6.0	14.60	23.06	6.79	NO	HROFDY
L0012419	0	0.49570E-05	652860.9	4190698.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012420	0	0.49570E-05	652869.5	4190649.4	6.0	14.60	23.06	6.79	NO	HROFDY
L0012421	0	0.49570E-05	652873.0	4190599.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012422	0	0.49570E-05	652876.6	4190550.5	6.0	14.60	23.06	6.79	NO	HROFDY
L0012423	0	0.49570E-05	652880.2	4190501.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012424	0	0.49570E-05	652883.8	4190451.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012425	0	0.49570E-05	652887.3	4190402.1	6.0	14.60	23.06	6.79	NO	HROFDY

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0012426	0	0.49570E-05	652890.9	4190352.7	6.0	14.60	23.06	6.79	NO	HROFDY
L0012427	0	0.49570E-05	652894.5	4190303.2	6.0	14.60	23.06	6.79	NO	HROFDY
L0012428	0	0.49570E-05	652898.1	4190253.8	6.0	14.60	23.06	6.79	NO	HROFDY
L0012429	0	0.49570E-05	652901.6	4190204.3	6.0	14.60	23.06	6.79	NO	HROFDY
L0012430	0	0.49570E-05	652905.2	4190154.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012431	0	0.49570E-05	652908.8	4190105.4	6.0	14.60	23.06	6.79	NO	HROFDY
L0012432	0	0.49570E-05	652912.4	4190056.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012433	0	0.49570E-05	652915.9	4190006.5	6.0	14.60	23.06	6.79	NO	HROFDY
L0012434	0	0.49570E-05	652919.5	4189957.1	6.0	14.60	23.06	6.79	NO	HROFDY

**MODELOPTS: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0012435	0	0.49570E-05	652923.1	4189907.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012436	0	0.49570E-05	652926.6	4189858.2	6.0	14.60	23.06	6.79	NO	HROFDY
L0012437	0	0.49570E-05	652930.2	4189808.7	6.0	14.60	23.06	6.79	NO	HROFDY
L0012438	0	0.49570E-05	652933.8	4189759.3	6.0	14.60	23.06	6.79	NO	HROFDY
L0012439	0	0.49570E-05	652937.4	4189709.8	6.0	14.60	23.06	6.79	NO	HROFDY
L0012440	0	0.49570E-05	652940.9	4189660.4	6.0	14.60	23.06	6.79	NO	HROFDY
L0012441	0	0.49570E-05	652944.5	4189610.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012442	0	0.49570E-05	652948.1	4189561.5	6.0	14.60	23.06	6.79	NO	HROFDY
L0012443	0	0.49570E-05	652951.7	4189512.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012444	0	0.49570E-05	652955.2	4189462.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012445	0	0.49570E-05	652958.8	4189413.1	6.0	14.60	23.06	6.79	NO	HROFDY
L0012446	0	0.49570E-05	652962.4	4189363.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012447	0	0.49570E-05	652966.0	4189314.2	6.0	14.60	23.06	6.79	NO	HROFDY
L0012448	0	0.49570E-05	652969.5	4189264.7	6.0	14.60	23.06	6.79	NO	HROFDY
L0012449	0	0.49570E-05	652973.1	4189215.3	6.0	14.60	23.06	6.79	NO	HROFDY
L0012450	0	0.49570E-05	652976.7	4189165.8	6.0	14.60	23.06	6.79	NO	HROFDY
L0012451	0	0.49570E-05	652980.2	4189116.4	6.0	14.60	23.06	6.79	NO	HROFDY
L0012452	0	0.49570E-05	652983.8	4189066.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012453	0	0.49570E-05	652987.4	4189017.5	6.0	14.60	23.06	6.79	NO	HROFDY
L0012454	0	0.49570E-05	652991.0	4188968.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012455	0	0.49570E-05	652994.5	4188918.6	6.0	14.60	23.06	6.79	NO	HROFDY
L0012456	0	0.49570E-05	652998.1	4188869.1	6.0	14.60	23.06	6.79	NO	HROFDY
L0012457	0	0.49570E-05	653001.7	4188819.7	6.0	14.60	23.06	6.79	NO	HROFDY
L0012458	0	0.49570E-05	653005.3	4188770.2	6.0	14.60	23.06	6.79	NO	HROFDY
L0012459	0	0.49570E-05	653008.8	4188720.8	6.0	14.60	23.06	6.79	NO	HROFDY
L0012460	0	0.49570E-05	653012.4	4188671.3	6.0	14.60	23.06	6.79	NO	HROFDY
L0012461	0	0.49570E-05	653016.0	4188621.9	6.0	14.60	23.06	6.79	NO	HROFDY
L0012462	0	0.49570E-05	653019.6	4188572.4	6.0	14.60	23.06	6.79	NO	HROFDY
L0012463	0	0.49570E-05	653023.1	4188523.0	6.0	14.60	23.06	6.79	NO	HROFDY
L0012464	0	0.49570E-05	653025.9	4188473.5	6.0	14.60	23.06	6.79	NO	HROFDY
L0002465	0	0.49570E-05	653087.3	4188527.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002466	0	0.49570E-05	653096.0	4188576.5	6.0	5.60	23.10	2.60	NO	HROFDY
L0002467	0	0.49570E-05	653100.6	4188625.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002468	0	0.49570E-05	653097.1	4188675.2	6.0	5.60	23.10	2.60	NO	HROFDY
L0002469	0	0.49570E-05	653093.6	4188724.7	6.0	5.60	23.10	2.60	NO	HROFDY
L0002470	0	0.49570E-05	653090.2	4188774.3	6.0	5.60	23.10	2.60	NO	HROFDY
L0002471	0	0.49570E-05	653086.7	4188823.8	6.0	5.60	23.10	2.60	NO	HROFDY
L0002472	0	0.49570E-05	653083.2	4188873.4	6.0	5.60	23.10	2.60	NO	HROFDY
L0002473	0	0.49570E-05	653079.7	4188922.9	6.0	5.60	23.10	2.60	NO	HROFDY
L0002474	0	0.49570E-05	653076.2	4188972.5	6.0	5.60	23.10	2.60	NO	HROFDY

**MODELOPTS: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002475	0	0.49570E-05	653072.8	4189022.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002476	0	0.49570E-05	653069.3	4189071.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002477	0	0.49570E-05	653065.8	4189121.2	6.0	5.60	23.10	2.60	NO	HROFDY
L0002478	0	0.49570E-05	653062.3	4189170.7	6.0	5.60	23.10	2.60	NO	HROFDY
L0002479	0	0.49570E-05	653058.9	4189220.3	6.0	5.60	23.10	2.60	NO	HROFDY
L0002480	0	0.49570E-05	653055.4	4189269.8	6.0	5.60	23.10	2.60	NO	HROFDY
L0002481	0	0.49570E-05	653051.9	4189319.4	6.0	5.60	23.10	2.60	NO	HROFDY
L0002482	0	0.49570E-05	653048.4	4189368.9	6.0	5.60	23.10	2.60	NO	HROFDY
L0002483	0	0.49570E-05	653044.9	4189418.5	6.0	5.60	23.10	2.60	NO	HROFDY
L0002484	0	0.49570E-05	653041.5	4189468.0	6.0	5.60	23.10	2.60	NO	HROFDY
L0002485	0	0.49570E-05	653038.0	4189517.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002486	0	0.49570E-05	653034.5	4189567.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002487	0	0.49570E-05	653031.0	4189616.7	6.0	5.60	23.10	2.60	NO	HROFDY
L0002488	0	0.49570E-05	653027.5	4189666.2	6.0	5.60	23.10	2.60	NO	HROFDY
L0002489	0	0.49570E-05	653024.1	4189715.8	6.0	5.60	23.10	2.60	NO	HROFDY
L0002490	0	0.49570E-05	653020.6	4189765.3	6.0	5.60	23.10	2.60	NO	HROFDY
L0002491	0	0.49570E-05	653017.1	4189814.9	6.0	5.60	23.10	2.60	NO	HROFDY
L0002492	0	0.49570E-05	653013.6	4189864.5	6.0	5.60	23.10	2.60	NO	HROFDY
L0002493	0	0.49570E-05	653010.2	4189914.0	6.0	5.60	23.10	2.60	NO	HROFDY
L0002494	0	0.49570E-05	653006.7	4189963.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002495	0	0.49570E-05	653003.2	4190013.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002496	0	0.49570E-05	652999.7	4190062.7	6.0	5.60	23.10	2.60	NO	HROFDY
L0002497	0	0.49570E-05	652996.2	4190112.2	6.0	5.60	23.10	2.60	NO	HROFDY
L0002498	0	0.49570E-05	652992.8	4190161.8	6.0	5.60	23.10	2.60	NO	HROFDY
L0002499	0	0.49570E-05	652989.3	4190211.3	6.0	5.60	23.10	2.60	NO	HROFDY
L0002500	0	0.49570E-05	652985.8	4190260.9	6.0	5.60	23.10	2.60	NO	HROFDY
L0002501	0	0.49570E-05	652982.3	4190310.4	6.0	5.60	23.10	2.60	NO	HROFDY
L0002502	0	0.49570E-05	652978.8	4190360.0	6.0	5.60	23.10	2.60	NO	HROFDY
L0002503	0	0.49570E-05	652975.4	4190409.5	6.0	5.60	23.10	2.60	NO	HROFDY
L0002504	0	0.49570E-05	652971.9	4190459.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002505	0	0.49570E-05	652968.4	4190508.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002506	0	0.49570E-05	652964.1	4190558.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002507	0	0.49570E-05	652952.1	4190606.2	6.0	5.60	23.10	2.60	NO	HROFDY

L0002508	0	0.49570E-05	652966.8	4190583.2	6.0	5.60	23.10	2.60	NO	HROFDY
L0002509	0	0.49570E-05	652975.3	4190534.5	6.0	5.60	23.10	2.60	NO	HROFDY
L0002510	0	0.49570E-05	652978.7	4190485.0	6.0	5.60	23.10	2.60	NO	HROFDY
L0002511	0	0.49570E-05	652982.2	4190435.4	6.0	5.60	23.10	2.60	NO	HROFDY
L0002512	0	0.49570E-05	652985.7	4190385.9	6.0	5.60	23.10	2.60	NO	HROFDY
L0002513	0	0.49570E-05	652989.2	4190336.3	6.0	5.60	23.10	2.60	NO	HROFDY
L0002514	0	0.49570E-05	652992.7	4190286.8	6.0	5.60	23.10	2.60	NO	HROFDY

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002515	0	0.49570E-05	652996.2	4190237.2	6.0	5.60	23.10	2.60	NO	HROFDY
L0002516	0	0.49570E-05	652999.7	4190187.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002517	0	0.49570E-05	653003.1	4190138.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002518	0	0.49570E-05	653006.6	4190088.5	6.0	5.60	23.10	2.60	NO	HROFDY
L0002519	0	0.49570E-05	653010.1	4190039.0	6.0	5.60	23.10	2.60	NO	HROFDY
L0002520	0	0.49570E-05	653013.6	4189989.4	6.0	5.60	23.10	2.60	NO	HROFDY
L0002521	0	0.49570E-05	653017.1	4189939.9	6.0	5.60	23.10	2.60	NO	HROFDY
L0002522	0	0.49570E-05	653020.6	4189890.3	6.0	5.60	23.10	2.60	NO	HROFDY
L0002523	0	0.49570E-05	653024.1	4189840.8	6.0	5.60	23.10	2.60	NO	HROFDY
L0002524	0	0.49570E-05	653027.5	4189791.2	6.0	5.60	23.10	2.60	NO	HROFDY
L0002525	0	0.49570E-05	653031.0	4189741.7	6.0	5.60	23.10	2.60	NO	HROFDY
L0002526	0	0.49570E-05	653034.5	4189692.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002527	0	0.49570E-05	653038.0	4189642.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002528	0	0.49570E-05	653041.5	4189593.0	6.0	5.60	23.10	2.60	NO	HROFDY
L0002529	0	0.49570E-05	653045.0	4189543.5	6.0	5.60	23.10	2.60	NO	HROFDY
L0002530	0	0.49570E-05	653048.5	4189493.9	6.0	5.60	23.10	2.60	NO	HROFDY
L0002531	0	0.49570E-05	653051.9	4189444.4	6.0	5.60	23.10	2.60	NO	HROFDY
L0002532	0	0.49570E-05	653055.4	4189394.8	6.0	5.60	23.10	2.60	NO	HROFDY
L0002533	0	0.49570E-05	653058.9	4189345.3	6.0	5.60	23.10	2.60	NO	HROFDY
L0002534	0	0.49570E-05	653062.4	4189295.7	6.0	5.60	23.10	2.60	NO	HROFDY
L0002535	0	0.49570E-05	653065.9	4189246.2	6.0	5.60	23.10	2.60	NO	HROFDY
L0002536	0	0.49570E-05	653069.4	4189196.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002537	0	0.49570E-05	653072.9	4189147.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002538	0	0.49570E-05	653076.3	4189097.5	6.0	5.60	23.10	2.60	NO	HROFDY
L0002539	0	0.49570E-05	653079.8	4189047.9	6.0	5.60	23.10	2.60	NO	HROFDY
L0002540	0	0.49570E-05	653083.3	4188998.4	6.0	5.60	23.10	2.60	NO	HROFDY
L0002541	0	0.49570E-05	653086.8	4188948.8	6.0	5.60	23.10	2.60	NO	HROFDY
L0002542	0	0.49570E-05	653090.3	4188899.3	6.0	5.60	23.10	2.60	NO	HROFDY
L0002543	0	0.49570E-05	653093.8	4188849.7	6.0	5.60	23.10	2.60	NO	HROFDY
L0002544	0	0.49570E-05	653097.3	4188800.2	6.0	5.60	23.10	2.60	NO	HROFDY
L0002545	0	0.49570E-05	653100.8	4188750.6	6.0	5.60	23.10	2.60	NO	HROFDY
L0002546	0	0.49570E-05	653104.2	4188701.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002547	0	0.49570E-05	653107.7	4188651.5	6.0	5.60	23.10	2.60	NO	HROFDY
L0002548	0	0.49570E-05	653108.2	4188602.1	6.0	5.60	23.10	2.60	NO	HROFDY
L0002549	0	0.49570E-05	653102.0	4188552.8	6.0	5.60	23.10	2.60	NO	HROFDY
L0012465	0	0.49570E-05	653087.3	4188527.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012466	0	0.49570E-05	653096.0	4188576.5	6.0	14.60	23.10	6.79	NO	HROFDY
L0012467	0	0.49570E-05	653100.6	4188625.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012468	0	0.49570E-05	653097.1	4188675.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012469	0	0.49570E-05	653093.6	4188724.7	6.0	14.60	23.10	6.79	NO	HROFDY

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0012470	0	0.49570E-05	653090.2	4188774.3	6.0	14.60	23.10	6.79	NO	HROFDY
L0012471	0	0.49570E-05	653086.7	4188823.8	6.0	14.60	23.10	6.79	NO	HROFDY
L0012472	0	0.49570E-05	653083.2	4188873.4	6.0	14.60	23.10	6.79	NO	HROFDY
L0012473	0	0.49570E-05	653079.7	4188922.9	6.0	14.60	23.10	6.79	NO	HROFDY
L0012474	0	0.49570E-05	653076.2	4188972.5	6.0	14.60	23.10	6.79	NO	HROFDY
L0012475	0	0.49570E-05	653072.8	4189022.1	6.0	14.60	23.10	6.79	NO	HROFDY
L0012476	0	0.49570E-05	653069.3	4189071.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012477	0	0.49570E-05	653065.8	4189121.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012478	0	0.49570E-05	653062.3	4189170.7	6.0	14.60	23.10	6.79	NO	HROFDY
L0012479	0	0.49570E-05	653058.9	4189220.3	6.0	14.60	23.10	6.79	NO	HROFDY
L0012480	0	0.49570E-05	653055.4	4189269.8	6.0	14.60	23.10	6.79	NO	HROFDY
L0012481	0	0.49570E-05	653051.9	4189319.4	6.0	14.60	23.10	6.79	NO	HROFDY
L0012482	0	0.49570E-05	653048.4	4189368.9	6.0	14.60	23.10	6.79	NO	HROFDY
L0012483	0	0.49570E-05	653044.9	4189418.5	6.0	14.60	23.10	6.79	NO	HROFDY
L0012484	0	0.49570E-05	653041.5	4189468.0	6.0	14.60	23.10	6.79	NO	HROFDY
L0012485	0	0.49570E-05	653038.0	4189517.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012486	0	0.49570E-05	653034.5	4189567.1	6.0	14.60	23.10	6.79	NO	HROFDY
L0012487	0	0.49570E-05	653031.0	4189616.7	6.0	14.60	23.10	6.79	NO	HROFDY
L0012488	0	0.49570E-05	653027.5	4189666.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012489	0	0.49570E-05	653024.1	4189715.8	6.0	14.60	23.10	6.79	NO	HROFDY
L0012490	0	0.49570E-05	653020.6	4189765.3	6.0	14.60	23.10	6.79	NO	HROFDY
L0012491	0	0.49570E-05	653017.1	4189814.9	6.0	14.60	23.10	6.79	NO	HROFDY
L0012492	0	0.49570E-05	653013.6	4189864.5	6.0	14.60	23.10	6.79	NO	HROFDY
L0012493	0	0.49570E-05	653010.2	4189914.0	6.0	14.60	23.10	6.79	NO	HROFDY
L0012494	0	0.49570E-05	653006.7	4189963.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012495	0	0.49570E-05	653003.2	4190013.1	6.0	14.60	23.10	6.79	NO	HROFDY
L0012496	0	0.49570E-05	652999.7	4190062.7	6.0	14.60	23.10	6.79	NO	HROFDY
L0012497	0	0.49570E-05	652996.2	4190112.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012498	0	0.49570E-05	652992.8	4190161.8	6.0	14.60	23.10	6.79	NO	HROFDY
L0012499	0	0.49570E-05	652989.3	4190211.3	6.0	14.60	23.10	6.79	NO	HROFDY
L0012500	0	0.49570E-05	652985.8	4190260.9	6.0	14.60	23.10	6.79	NO	HROFDY
L0012501	0	0.49570E-05	652982.3	4190310.4	6.0	14.60	23.10	6.79	NO	HROFDY
L0012502	0	0.49570E-05	652978.8	4190360.0	6.0	14.60	23.10	6.79	NO	HROFDY
L0012503	0	0.49570E-05	652975.4	4190409.5	6.0	14.60	23.10	6.79	NO	HROFDY
L0012504	0	0.49570E-05	652971.9	4190459.1	6.0	14.60	23.10	6.79	NO	HROFDY

L0012505	0	0.49570E-05	652968.4	4190508.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012506	0	0.49570E-05	652964.1	4190558.1	6.0	14.60	23.10	6.79	NO	HROFDY
L0012507	0	0.49570E-05	652952.1	4190606.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012508	0	0.49570E-05	652966.8	4190583.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012509	0	0.49570E-05	652975.3	4190534.5	6.0	14.60	23.10	6.79	NO	HROFDY

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0012510	0	0.49570E-05	652978.7	4190485.0	6.0	14.60	23.10	6.79	NO	HROFDY
L0012511	0	0.49570E-05	652982.2	4190435.4	6.0	14.60	23.10	6.79	NO	HROFDY
L0012512	0	0.49570E-05	652985.7	4190385.9	6.0	14.60	23.10	6.79	NO	HROFDY
L0012513	0	0.49570E-05	652989.2	4190336.3	6.0	14.60	23.10	6.79	NO	HROFDY
L0012514	0	0.49570E-05	652992.7	4190286.8	6.0	14.60	23.10	6.79	NO	HROFDY
L0012515	0	0.49570E-05	652996.2	4190237.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012516	0	0.49570E-05	652999.7	4190187.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012517	0	0.49570E-05	653003.1	4190138.1	6.0	14.60	23.10	6.79	NO	HROFDY
L0012518	0	0.49570E-05	653006.6	4190088.5	6.0	14.60	23.10	6.79	NO	HROFDY
L0012519	0	0.49570E-05	653010.1	4190039.0	6.0	14.60	23.10	6.79	NO	HROFDY
L0012520	0	0.49570E-05	653013.6	4189989.4	6.0	14.60	23.10	6.79	NO	HROFDY
L0012521	0	0.49570E-05	653017.1	4189939.9	6.0	14.60	23.10	6.79	NO	HROFDY
L0012522	0	0.49570E-05	653020.6	4189890.3	6.0	14.60	23.10	6.79	NO	HROFDY
L0012523	0	0.49570E-05	653024.1	4189840.8	6.0	14.60	23.10	6.79	NO	HROFDY
L0012524	0	0.49570E-05	653027.5	4189791.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012525	0	0.49570E-05	653031.0	4189741.7	6.0	14.60	23.10	6.79	NO	HROFDY
L0012526	0	0.49570E-05	653034.5	4189692.1	6.0	14.60	23.10	6.79	NO	HROFDY
L0012527	0	0.49570E-05	653038.0	4189642.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012528	0	0.49570E-05	653041.5	4189593.0	6.0	14.60	23.10	6.79	NO	HROFDY
L0012529	0	0.49570E-05	653045.0	4189543.5	6.0	14.60	23.10	6.79	NO	HROFDY
L0012530	0	0.49570E-05	653048.5	4189493.9	6.0	14.60	23.10	6.79	NO	HROFDY
L0012531	0	0.49570E-05	653051.9	4189444.4	6.0	14.60	23.10	6.79	NO	HROFDY
L0012532	0	0.49570E-05	653055.4	4189394.8	6.0	14.60	23.10	6.79	NO	HROFDY
L0012533	0	0.49570E-05	653058.9	4189345.3	6.0	14.60	23.10	6.79	NO	HROFDY
L0012534	0	0.49570E-05	653062.4	4189295.7	6.0	14.60	23.10	6.79	NO	HROFDY
L0012535	0	0.49570E-05	653065.9	4189246.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012536	0	0.49570E-05	653069.4	4189196.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012537	0	0.49570E-05	653072.9	4189147.1	6.0	14.60	23.10	6.79	NO	HROFDY
L0012538	0	0.49570E-05	653076.3	4189097.5	6.0	14.60	23.10	6.79	NO	HROFDY
L0012539	0	0.49570E-05	653079.8	4189047.9	6.0	14.60	23.10	6.79	NO	HROFDY
L0012540	0	0.49570E-05	653083.3	4188998.4	6.0	14.60	23.10	6.79	NO	HROFDY
L0012541	0	0.49570E-05	653086.8	4188948.8	6.0	14.60	23.10	6.79	NO	HROFDY
L0012542	0	0.49570E-05	653090.3	4188899.3	6.0	14.60	23.10	6.79	NO	HROFDY
L0012543	0	0.49570E-05	653093.8	4188849.7	6.0	14.60	23.10	6.79	NO	HROFDY
L0012544	0	0.49570E-05	653097.3	4188800.2	6.0	14.60	23.10	6.79	NO	HROFDY
L0012545	0	0.49570E-05	653100.8	4188750.6	6.0	14.60	23.10	6.79	NO	HROFDY
L0012546	0	0.49570E-05	653104.2	4188701.1	6.0	14.60	23.10	6.79	NO	HROFDY
L0012547	0	0.49570E-05	653107.7	4188651.5	6.0	14.60	23.10	6.79	NO	HROFDY
L0012548	0	0.49570E-05	653108.2	4188602.1	6.0	14.60	23.10	6.79	NO	HROFDY
L0012549	0	0.49570E-05	653102.0	4188552.8	6.0	14.60	23.10	6.79	NO	HROFDY

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002550	0	-.48335E-04	653205.5	4188791.4	6.0	4.15	16.62	1.93	NO	
L0002551	0	-.48335E-04	653202.9	4188827.0	6.0	4.15	16.62	1.93	NO	
L0002552	0	-.48335E-04	653200.3	4188862.6	6.0	4.15	16.62	1.93	NO	
L0002553	0	-.48335E-04	653197.7	4188898.3	6.0	4.15	16.62	1.93	NO	
L0002554	0	-.48335E-04	653195.1	4188933.9	6.0	4.15	16.62	1.93	NO	
L0002555	0	-.48335E-04	653192.5	4188969.6	6.0	4.15	16.62	1.93	NO	
L0002556	0	-.48335E-04	653189.9	4189005.2	6.0	4.15	16.62	1.93	NO	
L0002557	0	-.48335E-04	653187.3	4189040.9	6.0	4.15	16.62	1.93	NO	
L0002558	0	-.48335E-04	653184.7	4189076.5	6.0	4.15	16.62	1.93	NO	
L0002559	0	0.23079E-04	653206.8	4188532.0	6.0	5.60	22.62	2.60	NO	
L0002560	0	0.23079E-04	653203.3	4188580.5	6.0	5.60	22.62	2.60	NO	
L0002561	0	0.23079E-04	653199.9	4188629.0	6.0	5.60	22.62	2.60	NO	
L0002562	0	0.23079E-04	653196.4	4188677.5	6.0	5.60	22.62	2.60	NO	
L0002563	0	0.23079E-04	653193.0	4188726.0	6.0	5.60	22.62	2.60	NO	
L0002564	0	0.23079E-04	653189.5	4188774.5	6.0	5.60	22.62	2.60	NO	
L0002565	0	0.23079E-04	653186.1	4188823.0	6.0	5.60	22.62	2.60	NO	
L0002566	0	0.23079E-04	653182.6	4188871.5	6.0	5.60	22.62	2.60	NO	
L0002567	0	0.23079E-04	653179.2	4188920.0	6.0	5.60	22.62	2.60	NO	
L0002568	0	0.23079E-04	653175.7	4188968.5	6.0	5.60	22.62	2.60	NO	
L0002569	0	0.23079E-04	653172.3	4189017.1	6.0	5.60	22.62	2.60	NO	
L0002570	0	0.23079E-04	653168.8	4189065.6	6.0	5.60	22.62	2.60	NO	
L0002571	0	0.23079E-04	653165.4	4189114.1	6.0	5.60	22.62	2.60	NO	
L0002572	0	0.23079E-04	653161.9	4189162.6	6.0	5.60	22.62	2.60	NO	
L0002573	0	0.23079E-04	653158.5	4189211.1	6.0	5.60	22.62	2.60	NO	
L0002574	0	0.23079E-04	653155.0	4189259.6	6.0	5.60	22.62	2.60	NO	
L0002575	0	0.23079E-04	653151.6	4189308.1	6.0	5.60	22.62	2.60	NO	
L0002576	0	0.23079E-04	653148.1	4189356.6	6.0	5.60	22.62	2.60	NO	
L0002577	0	0.23079E-04	653144.7	4189405.1	6.0	5.60	22.62	2.60	NO	
L0002578	0	0.23079E-04	653141.2	4189453.6	6.0	5.60	22.62	2.60	NO	
L0002579	0	0.23079E-04	653137.8	4189502.1	6.0	5.60	22.62	2.60	NO	
L0002580	0	0.23079E-04	653134.3	4189550.7	6.0	5.60	22.62	2.60	NO	
L0002581	0	0.23079E-04	653130.9	4189599.2	6.0	5.60	22.62	2.60	NO	
L0002582	0	0.23079E-04	653127.4	4189647.7	6.0	5.60	22.62	2.60	NO	
L0002583	0	0.23079E-04	653124.0	4189696.2	6.0	5.60	22.62	2.60	NO	
L0002584	0	0.23079E-04	653120.5	4189744.7	6.0	5.60	22.62	2.60	NO	
L0002585	0	0.23079E-04	653117.1	4189793.2	6.0	5.60	22.62	2.60	NO	
L0002586	0	0.23079E-04	653113.6	4189841.7	6.0	5.60	22.62	2.60	NO	

L0002587	0	0.23079E-04	653110.2	4189890.2	6.0	5.60	22.62	2.60	NO
L0002588	0	0.23079E-04	653106.7	4189938.7	6.0	5.60	22.62	2.60	NO
L0002589	0	0.23079E-04	653103.3	4189987.2	6.0	5.60	22.62	2.60	NO

**MODELOPTS: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002590	0	0.23079E-04	653099.8	4190035.7	6.0	5.60	22.62	2.60	NO	
L0002591	0	0.23079E-04	653096.4	4190084.3	6.0	5.60	22.62	2.60	NO	
L0002592	0	0.23079E-04	653092.9	4190132.8	6.0	5.60	22.62	2.60	NO	
L0002593	0	-.48335E-04	653166.6	4188533.6	6.0	4.15	18.47	1.93	NO	
L0002594	0	-.48335E-04	653163.8	4188573.3	6.0	4.15	18.47	1.93	NO	
L0002595	0	-.48335E-04	653161.0	4188612.9	6.0	4.15	18.47	1.93	NO	
L0002596	0	-.48335E-04	653158.2	4188652.5	6.0	4.15	18.47	1.93	NO	
L0002597	0	-.48335E-04	653155.4	4188692.1	6.0	4.15	18.47	1.93	NO	
L0002598	0	-.48335E-04	653152.6	4188731.7	6.0	4.15	18.47	1.93	NO	
L0002599	0	-.48335E-04	653149.9	4188771.3	6.0	4.15	18.47	1.93	NO	
L0002600	0	-.48335E-04	653147.1	4188810.9	6.0	4.15	18.47	1.93	NO	
L0002601	0	-.48335E-04	653144.3	4188850.5	6.0	4.15	18.47	1.93	NO	
L0002602	0	-.48335E-04	653141.5	4188890.1	6.0	4.15	18.47	1.93	NO	
L0002603	0	-.48335E-04	653138.7	4188929.7	6.0	4.15	18.47	1.93	NO	
L0002604	0	-.48335E-04	653135.9	4188969.3	6.0	4.15	18.47	1.93	NO	
L0002605	0	-.48335E-04	653133.1	4189008.9	6.0	4.15	18.47	1.93	NO	
L0002606	0	-.48335E-04	653130.3	4189048.5	6.0	4.15	18.47	1.93	NO	
L0002607	0	-.48335E-04	653127.6	4189088.1	6.0	4.15	18.47	1.93	NO	
L0002608	0	-.48335E-04	653124.8	4189127.8	6.0	4.15	18.47	1.93	NO	
L0002609	0	-.48335E-04	653122.0	4189167.4	6.0	4.15	18.47	1.93	NO	
L0002610	0	-.48335E-04	653119.2	4189207.0	6.0	4.15	18.47	1.93	NO	
L0002611	0	-.48335E-04	653116.4	4189246.6	6.0	4.15	18.47	1.93	NO	
L0002612	0	-.48335E-04	653113.6	4189286.2	6.0	4.15	18.47	1.93	NO	
L0002613	0	-.48335E-04	653110.8	4189325.8	6.0	4.15	18.47	1.93	NO	
L0002614	0	-.48335E-04	653108.1	4189365.4	6.0	4.15	18.47	1.93	NO	
L0002615	0	-.48335E-04	653105.3	4189405.0	6.0	4.15	18.47	1.93	NO	
L0002616	0	-.48335E-04	653102.5	4189444.6	6.0	4.15	18.47	1.93	NO	
L0002617	0	-.48335E-04	653099.7	4189484.2	6.0	4.15	18.47	1.93	NO	
L0002618	0	-.48335E-04	653096.9	4189523.8	6.0	4.15	18.47	1.93	NO	
L0002619	0	-.48335E-04	653094.1	4189563.4	6.0	4.15	18.47	1.93	NO	
L0002620	0	-.48335E-04	653091.3	4189603.0	6.0	4.15	18.47	1.93	NO	
L0002621	0	-.48335E-04	653088.6	4189642.7	6.0	4.15	18.47	1.93	NO	
L0002622	0	-.48335E-04	653085.8	4189682.3	6.0	4.15	18.47	1.93	NO	
L0002623	0	-.48335E-04	653083.0	4189721.9	6.0	4.15	18.47	1.93	NO	
L0002624	0	-.48335E-04	653080.2	4189761.5	6.0	4.15	18.47	1.93	NO	
L0002625	0	-.48335E-04	653077.4	4189801.1	6.0	4.15	18.47	1.93	NO	
L0002626	0	-.48335E-04	653074.6	4189840.7	6.0	4.15	18.47	1.93	NO	
L0002627	0	-.48335E-04	653071.8	4189880.3	6.0	4.15	18.47	1.93	NO	
L0002628	0	-.48335E-04	653069.1	4189919.9	6.0	4.15	18.47	1.93	NO	
L0002629	0	-.48335E-04	653066.3	4189959.5	6.0	4.15	18.47	1.93	NO	

**MODELOPTS: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002630	0	-.48335E-04	653063.5	4189999.1	6.0	4.15	18.47	1.93	NO	
L0002631	0	-.48335E-04	653060.7	4190038.7	6.0	4.15	18.47	1.93	NO	
L0002632	0	-.48335E-04	653057.9	4190078.3	6.0	4.15	18.47	1.93	NO	
L0002633	0	-.48335E-04	653055.1	4190117.9	6.0	4.15	18.47	1.93	NO	
L0002634	0	-.48335E-04	653052.3	4190157.5	6.0	4.15	18.47	1.93	NO	
L0002635	0	-.48335E-04	653149.8	4188533.6	6.0	4.15	18.22	1.93	NO	
L0002636	0	-.48335E-04	653147.1	4188572.7	6.0	4.15	18.22	1.93	NO	
L0002637	0	-.48335E-04	653144.3	4188611.8	6.0	4.15	18.22	1.93	NO	
L0002638	0	-.48335E-04	653141.5	4188650.9	6.0	4.15	18.22	1.93	NO	
L0002639	0	-.48335E-04	653138.7	4188690.0	6.0	4.15	18.22	1.93	NO	
L0002640	0	-.48335E-04	653135.9	4188729.1	6.0	4.15	18.22	1.93	NO	
L0002641	0	-.48335E-04	653133.1	4188768.1	6.0	4.15	18.22	1.93	NO	
L0002642	0	-.48335E-04	653130.3	4188807.2	6.0	4.15	18.22	1.93	NO	
L0002643	0	-.48335E-04	653127.6	4188846.3	6.0	4.15	18.22	1.93	NO	
L0002644	0	-.48335E-04	653124.8	4188885.4	6.0	4.15	18.22	1.93	NO	
L0002645	0	-.48335E-04	653122.0	4188924.5	6.0	4.15	18.22	1.93	NO	
L0002646	0	-.48335E-04	653119.2	4188963.6	6.0	4.15	18.22	1.93	NO	
L0002647	0	-.48335E-04	653116.4	4189002.7	6.0	4.15	18.22	1.93	NO	
L0002648	0	-.48335E-04	653113.6	4189041.7	6.0	4.15	18.22	1.93	NO	
L0002649	0	-.48335E-04	653110.8	4189080.8	6.0	4.15	18.22	1.93	NO	
L0002650	0	-.48335E-04	653108.1	4189119.9	6.0	4.15	18.22	1.93	NO	
L0002651	0	-.48335E-04	653105.3	4189159.0	6.0	4.15	18.22	1.93	NO	
L0002652	0	-.48335E-04	653102.5	4189198.1	6.0	4.15	18.22	1.93	NO	
L0002653	0	-.48335E-04	653099.7	4189237.2	6.0	4.15	18.22	1.93	NO	
L0002654	0	-.48335E-04	653096.9	4189276.2	6.0	4.15	18.22	1.93	NO	
L0002655	0	-.48335E-04	653094.1	4189315.3	6.0	4.15	18.22	1.93	NO	
L0002656	0	-.48335E-04	653091.3	4189354.4	6.0	4.15	18.22	1.93	NO	
L0002657	0	-.48335E-04	653088.6	4189393.5	6.0	4.15	18.22	1.93	NO	
L0002658	0	-.48335E-04	653085.8	4189432.6	6.0	4.15	18.22	1.93	NO	
L0002659	0	-.48335E-04	653083.0	4189471.7	6.0	4.15	18.22	1.93	NO	
L0002660	0	-.48335E-04	653080.2	4189510.8	6.0	4.15	18.22	1.93	NO	
L0002661	0	-.48335E-04	653077.4	4189549.8	6.0	4.15	18.22	1.93	NO	
L0002662	0	-.48335E-04	653074.6	4189588.9	6.0	4.15	18.22	1.93	NO	
L0002663	0	-.48335E-04	653071.8	4189628.0	6.0	4.15	18.22	1.93	NO	
L0002664	0	-.48335E-04	653069.1	4189667.1	6.0	4.15	18.22	1.93	NO	
L0002665	0	-.48335E-04	653066.3	4189706.2	6.0	4.15	18.22	1.93	NO	
L0002666	0	-.48335E-04	653063.5	4189745.3	6.0	4.15	18.22	1.93	NO	
L0002667	0	-.48335E-04	653060.7	4189784.3	6.0	4.15	18.22	1.93	NO	
L0002668	0	-.48335E-04	653057.9	4189823.4	6.0	4.15	18.22	1.93	NO	

L0002669	0	-.48335E-04	653055.1	4189862.5	6.0	4.15	18.22	1.93	NO	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002670	0	-.48335E-04	653052.3	4189901.6	6.0	4.15	18.22	1.93	NO	
L0002671	0	-.48335E-04	653049.6	4189940.7	6.0	4.15	18.22	1.93	NO	
L0002672	0	-.48335E-04	653046.8	4189979.8	6.0	4.15	18.22	1.93	NO	
L0002673	0	-.48335E-04	653044.0	4190018.9	6.0	4.15	18.22	1.93	NO	
L0002674	0	-.48335E-04	653041.2	4190057.9	6.0	4.15	18.22	1.93	NO	
L0002675	0	-.48335E-04	653038.4	4190097.0	6.0	4.15	18.22	1.93	NO	
L0002676	0	-.48335E-04	653035.6	4190136.1	6.0	4.15	18.22	1.93	NO	
L0002677	0	-.48335E-04	653032.8	4190175.2	6.0	4.15	18.22	1.93	NO	
L0002678	0	-.48335E-04	653030.1	4190214.3	6.0	4.15	18.22	1.93	NO	
L0002679	0	-.48335E-04	653027.3	4190253.4	6.0	4.15	18.22	1.93	NO	
L0002680	0	-.48335E-04	653024.5	4190292.4	6.0	4.15	18.22	1.93	NO	
L0002681	0	-.48335E-04	653021.7	4190331.5	6.0	4.15	18.22	1.93	NO	
L0002682	0	-.48335E-04	653018.9	4190370.6	6.0	4.15	18.22	1.93	NO	
L0002683	0	-.48335E-04	653016.1	4190409.7	6.0	4.15	18.22	1.93	NO	
L0002684	0	-.48335E-04	653066.3	4188632.6	6.0	4.15	18.41	1.93	NO	
L0002685	0	-.48335E-04	653063.5	4188672.0	6.0	4.15	18.41	1.93	NO	
L0002686	0	-.48335E-04	653060.7	4188711.5	6.0	4.15	18.41	1.93	NO	
L0002687	0	-.48335E-04	653057.9	4188751.0	6.0	4.15	18.41	1.93	NO	
L0002688	0	-.48335E-04	653055.1	4188790.5	6.0	4.15	18.41	1.93	NO	
L0002689	0	-.48335E-04	653052.3	4188830.0	6.0	4.15	18.41	1.93	NO	
L0002690	0	-.48335E-04	653049.5	4188869.5	6.0	4.15	18.41	1.93	NO	
L0002691	0	-.48335E-04	653046.8	4188909.0	6.0	4.15	18.41	1.93	NO	
L0002692	0	-.48335E-04	653044.0	4188948.5	6.0	4.15	18.41	1.93	NO	
L0002693	0	-.48335E-04	653041.2	4188988.0	6.0	4.15	18.41	1.93	NO	
L0002694	0	-.48335E-04	653038.4	4189027.5	6.0	4.15	18.41	1.93	NO	
L0002695	0	-.48335E-04	653035.6	4189067.0	6.0	4.15	18.41	1.93	NO	
L0002696	0	-.48335E-04	653032.8	4189106.4	6.0	4.15	18.41	1.93	NO	
L0002697	0	-.48335E-04	653030.0	4189145.9	6.0	4.15	18.41	1.93	NO	
L0002698	0	-.48335E-04	653027.3	4189185.4	6.0	4.15	18.41	1.93	NO	
L0002699	0	-.48335E-04	653024.5	4189224.9	6.0	4.15	18.41	1.93	NO	
L0002700	0	-.48335E-04	653021.7	4189264.4	6.0	4.15	18.41	1.93	NO	
L0002701	0	-.48335E-04	653018.9	4189303.9	6.0	4.15	18.41	1.93	NO	
L0002702	0	-.48335E-04	653016.1	4189343.4	6.0	4.15	18.41	1.93	NO	
L0002703	0	-.48335E-04	653013.3	4189382.9	6.0	4.15	18.41	1.93	NO	
L0002704	0	-.48335E-04	653010.5	4189422.4	6.0	4.15	18.41	1.93	NO	
L0002705	0	-.48335E-04	653007.8	4189461.9	6.0	4.15	18.41	1.93	NO	
L0002706	0	-.48335E-04	653005.0	4189501.4	6.0	4.15	18.41	1.93	NO	
L0002707	0	-.48335E-04	653002.2	4189540.8	6.0	4.15	18.41	1.93	NO	
L0002708	0	-.48335E-04	652999.4	4189580.3	6.0	4.15	18.41	1.93	NO	
L0002709	0	-.48335E-04	652996.6	4189619.8	6.0	4.15	18.41	1.93	NO	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002710	0	-.48335E-04	652993.8	4189659.3	6.0	4.15	18.41	1.93	NO	
L0002711	0	-.48335E-04	652991.0	4189698.8	6.0	4.15	18.41	1.93	NO	
L0002712	0	-.48335E-04	652988.3	4189738.3	6.0	4.15	18.41	1.93	NO	
L0002713	0	-.48335E-04	652985.5	4189777.8	6.0	4.15	18.41	1.93	NO	
L0002714	0	-.48335E-04	652982.7	4189817.3	6.0	4.15	18.41	1.93	NO	
L0002715	0	-.48335E-04	652979.9	4189856.8	6.0	4.15	18.41	1.93	NO	
L0002716	0	-.48335E-04	652977.1	4189896.3	6.0	4.15	18.41	1.93	NO	
L0002717	0	-.48335E-04	652974.3	4189935.8	6.0	4.15	18.41	1.93	NO	
L0002718	0	-.48335E-04	652971.5	4189975.2	6.0	4.15	18.41	1.93	NO	
L0002719	0	-.48335E-04	652968.8	4190014.7	6.0	4.15	18.41	1.93	NO	
L0002720	0	-.48335E-04	652966.0	4190054.2	6.0	4.15	18.41	1.93	NO	
L0002721	0	-.48335E-04	652963.2	4190093.7	6.0	4.15	18.41	1.93	NO	
L0002722	0	-.48335E-04	652960.4	4190133.2	6.0	4.15	18.41	1.93	NO	
L0002723	0	-.48335E-04	652957.6	4190172.7	6.0	4.15	18.41	1.93	NO	
L0002724	0	-.48335E-04	652954.8	4190212.2	6.0	4.15	18.41	1.93	NO	
L0002725	0	-.48335E-04	652952.0	4190251.7	6.0	4.15	18.41	1.93	NO	
L0002726	0	-.48335E-04	652949.3	4190291.2	6.0	4.15	18.41	1.93	NO	
L0002727	0	-.48335E-04	652946.5	4190330.7	6.0	4.15	18.41	1.93	NO	
L0002728	0	-.48335E-04	652943.7	4190370.1	6.0	4.15	18.41	1.93	NO	
L0002729	0	-.48335E-04	652940.9	4190409.6	6.0	4.15	18.41	1.93	NO	
L0002730	0	-.48335E-04	652938.1	4190449.1	6.0	4.15	18.41	1.93	NO	
L0002731	0	-.48335E-04	652935.3	4190488.6	6.0	4.15	18.41	1.93	NO	
L0002732	0	-.48335E-04	652932.5	4190528.1	6.0	4.15	18.41	1.93	NO	
L0002733	0	-.48335E-04	653055.1	4188540.6	6.0	4.15	18.28	1.93	NO	
L0002734	0	-.48335E-04	653052.3	4188579.8	6.0	4.15	18.28	1.93	NO	
L0002735	0	-.48335E-04	653049.5	4188619.0	6.0	4.15	18.28	1.93	NO	
L0002736	0	-.48335E-04	653046.8	4188658.2	6.0	4.15	18.28	1.93	NO	
L0002737	0	-.48335E-04	653044.0	4188697.4	6.0	4.15	18.28	1.93	NO	
L0002738	0	-.48335E-04	653041.2	4188736.7	6.0	4.15	18.28	1.93	NO	
L0002739	0	-.48335E-04	653038.4	4188775.9	6.0	4.15	18.28	1.93	NO	
L0002740	0	-.48335E-04	653035.6	4188815.1	6.0	4.15	18.28	1.93	NO	
L0002741	0	-.48335E-04	653032.8	4188854.3	6.0	4.15	18.28	1.93	NO	
L0002742	0	-.48335E-04	653030.0	4188893.5	6.0	4.15	18.28	1.93	NO	
L0002743	0	-.48335E-04	653027.3	4188932.7	6.0	4.15	18.28	1.93	NO	
L0002744	0	-.48335E-04	653024.5	4188971.9	6.0	4.15	18.28	1.93	NO	
L0002745	0	-.48335E-04	653021.7	4189011.1	6.0	4.15	18.28	1.93	NO	
L0002746	0	-.48335E-04	653018.9	4189050.3	6.0	4.15	18.28	1.93	NO	
L0002747	0	-.48335E-04	653016.1	4189089.5	6.0	4.15	18.28	1.93	NO	
L0002748	0	-.48335E-04	653013.3	4189128.7	6.0	4.15	18.28	1.93	NO	
L0002749	0	-.48335E-04	653010.5	4189167.9	6.0	4.15	18.28	1.93	NO	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002750	0	-.48335E-04	653007.8	4189207.2	6.0	4.15	18.28	1.93	NO	
L0002751	0	-.48335E-04	653005.0	4189246.4	6.0	4.15	18.28	1.93	NO	
L0002752	0	-.48335E-04	653002.2	4189285.6	6.0	4.15	18.28	1.93	NO	
L0002753	0	-.48335E-04	652999.4	4189324.8	6.0	4.15	18.28	1.93	NO	
L0002754	0	-.48335E-04	652996.6	4189364.0	6.0	4.15	18.28	1.93	NO	
L0002755	0	-.48335E-04	652993.8	4189403.2	6.0	4.15	18.28	1.93	NO	
L0002756	0	-.48335E-04	652991.0	4189442.4	6.0	4.15	18.28	1.93	NO	
L0002757	0	-.48335E-04	652988.3	4189481.6	6.0	4.15	18.28	1.93	NO	
L0002758	0	-.48335E-04	652985.5	4189520.8	6.0	4.15	18.28	1.93	NO	
L0002759	0	-.48335E-04	652982.7	4189560.0	6.0	4.15	18.28	1.93	NO	
L0002760	0	-.48335E-04	652979.9	4189599.2	6.0	4.15	18.28	1.93	NO	
L0002761	0	-.48335E-04	652977.1	4189638.4	6.0	4.15	18.28	1.93	NO	
L0002762	0	-.48335E-04	652974.3	4189677.7	6.0	4.15	18.28	1.93	NO	
L0002763	0	-.48335E-04	652971.5	4189716.9	6.0	4.15	18.28	1.93	NO	
L0002764	0	-.48335E-04	652968.8	4189756.1	6.0	4.15	18.28	1.93	NO	
L0002765	0	-.48335E-04	652966.0	4189795.3	6.0	4.15	18.28	1.93	NO	
L0002766	0	-.48335E-04	652963.2	4189834.5	6.0	4.15	18.28	1.93	NO	
L0002767	0	-.48335E-04	652960.4	4189873.7	6.0	4.15	18.28	1.93	NO	
L0002768	0	-.48335E-04	652957.6	4189912.9	6.0	4.15	18.28	1.93	NO	
L0002769	0	-.48335E-04	652954.8	4189952.1	6.0	4.15	18.28	1.93	NO	
L0002770	0	-.48335E-04	652952.0	4189991.3	6.0	4.15	18.28	1.93	NO	
L0002771	0	-.48335E-04	652949.3	4190030.5	6.0	4.15	18.28	1.93	NO	
L0002772	0	-.48335E-04	652946.5	4190069.7	6.0	4.15	18.28	1.93	NO	
L0002773	0	-.48335E-04	652943.7	4190109.0	6.0	4.15	18.28	1.93	NO	
L0002774	0	-.48335E-04	652940.9	4190148.2	6.0	4.15	18.28	1.93	NO	
L0002775	0	-.48335E-04	652938.1	4190187.4	6.0	4.15	18.28	1.93	NO	
L0002776	0	-.48335E-04	652935.3	4190226.6	6.0	4.15	18.28	1.93	NO	
L0002777	0	-.48335E-04	652932.5	4190265.8	6.0	4.15	18.28	1.93	NO	
L0002778	0	-.48335E-04	652929.8	4190305.0	6.0	4.15	18.28	1.93	NO	
L0002779	0	-.48335E-04	652927.0	4190344.2	6.0	4.15	18.28	1.93	NO	
L0002780	0	-.48335E-04	652924.2	4190383.4	6.0	4.15	18.28	1.93	NO	
L0002781	0	-.48335E-04	652921.4	4190422.6	6.0	4.15	18.28	1.93	NO	
L0002782	0	-.48335E-04	652918.6	4190461.8	6.0	4.15	18.28	1.93	NO	
L0002783	0	-.48335E-04	652915.8	4190501.0	6.0	4.15	18.28	1.93	NO	
L0002784	0	-.48335E-04	652913.0	4190540.2	6.0	4.15	18.28	1.93	NO	
L0002785	0	-.48335E-04	652910.3	4190579.5	6.0	4.15	18.28	1.93	NO	
L0002786	0	-.48335E-04	652907.5	4190618.7	6.0	4.15	18.28	1.93	NO	
L0002787	0	-.48335E-04	652984.1	4188448.7	6.0	4.15	18.51	1.93	NO	
L0002788	0	-.48335E-04	652981.3	4188488.4	6.0	4.15	18.51	1.93	NO	
L0002789	0	-.48335E-04	652978.6	4188528.1	6.0	4.15	18.51	1.93	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002790	0	-.48335E-04	652975.8	4188567.8	6.0	4.15	18.51	1.93	NO	
L0002791	0	-.48335E-04	652973.0	4188607.5	6.0	4.15	18.51	1.93	NO	
L0002792	0	-.48335E-04	652970.3	4188647.2	6.0	4.15	18.51	1.93	NO	
L0002793	0	-.48335E-04	652967.5	4188686.9	6.0	4.15	18.51	1.93	NO	
L0002794	0	-.48335E-04	652964.8	4188726.6	6.0	4.15	18.51	1.93	NO	
L0002795	0	-.48335E-04	652962.0	4188766.3	6.0	4.15	18.51	1.93	NO	
L0002796	0	-.48335E-04	652959.2	4188806.0	6.0	4.15	18.51	1.93	NO	
L0002797	0	-.48335E-04	652956.5	4188845.7	6.0	4.15	18.51	1.93	NO	
L0002798	0	-.48335E-04	652953.7	4188885.5	6.0	4.15	18.51	1.93	NO	
L0002799	0	-.48335E-04	652950.9	4188925.2	6.0	4.15	18.51	1.93	NO	
L0002800	0	-.48335E-04	652948.2	4188964.9	6.0	4.15	18.51	1.93	NO	
L0002801	0	-.48335E-04	652945.4	4189004.6	6.0	4.15	18.51	1.93	NO	
L0002802	0	-.48335E-04	652942.7	4189044.3	6.0	4.15	18.51	1.93	NO	
L0002803	0	-.48335E-04	652939.9	4189084.0	6.0	4.15	18.51	1.93	NO	
L0002804	0	-.48335E-04	652937.1	4189123.7	6.0	4.15	18.51	1.93	NO	
L0002805	0	-.48335E-04	652934.4	4189163.4	6.0	4.15	18.51	1.93	NO	
L0002806	0	-.48335E-04	652931.6	4189203.1	6.0	4.15	18.51	1.93	NO	
L0002807	0	-.48335E-04	652928.9	4189242.8	6.0	4.15	18.51	1.93	NO	
L0002808	0	-.48335E-04	652926.1	4189282.5	6.0	4.15	18.51	1.93	NO	
L0002809	0	-.48335E-04	652923.3	4189322.2	6.0	4.15	18.51	1.93	NO	
L0002810	0	-.48335E-04	652920.6	4189361.9	6.0	4.15	18.51	1.93	NO	
L0002811	0	-.48335E-04	652917.8	4189401.7	6.0	4.15	18.51	1.93	NO	
L0002812	0	-.48335E-04	652915.1	4189441.4	6.0	4.15	18.51	1.93	NO	
L0002813	0	-.48335E-04	652912.3	4189481.1	6.0	4.15	18.51	1.93	NO	
L0002814	0	-.48335E-04	652909.5	4189520.8	6.0	4.15	18.51	1.93	NO	
L0002815	0	-.48335E-04	652906.8	4189560.5	6.0	4.15	18.51	1.93	NO	
L0002816	0	-.48335E-04	652904.0	4189600.2	6.0	4.15	18.51	1.93	NO	
L0002817	0	-.48335E-04	652901.2	4189639.9	6.0	4.15	18.51	1.93	NO	
L0002818	0	-.48335E-04	652898.5	4189679.6	6.0	4.15	18.51	1.93	NO	
L0002819	0	-.48335E-04	652895.7	4189719.3	6.0	4.15	18.51	1.93	NO	
L0002820	0	-.48335E-04	652893.0	4189759.0	6.0	4.15	18.51	1.93	NO	
L0002821	0	-.48335E-04	652890.2	4189798.7	6.0	4.15	18.51	1.93	NO	
L0002822	0	-.48335E-04	652887.4	4189838.4	6.0	4.15	18.51	1.93	NO	
L0002823	0	-.48335E-04	652884.7	4189878.1	6.0	4.15	18.51	1.93	NO	
L0002824	0	-.48335E-04	652881.9	4189917.9	6.0	4.15	18.51	1.93	NO	
L0002825	0	-.48335E-04	652879.2	4189957.6	6.0	4.15	18.51	1.93	NO	
L0002826	0	-.48335E-04	652876.4	4189997.3	6.0	4.15	18.51	1.93	NO	
L0002827	0	-.48335E-04	652873.6	4190037.0	6.0	4.15	18.51	1.93	NO	
L0002828	0	-.48335E-04	652870.9	4190076.7	6.0	4.15	18.51	1.93	NO	
L0002829	0	-.48335E-04	652868.1	4190116.4	6.0	4.15	18.51	1.93	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002830	0	-.48335E-04	652865.4	4190156.1	6.0	4.15	18.51	1.93	NO	
L0002831	0	-.48335E-04	652862.6	4190195.8	6.0	4.15	18.51	1.93	NO	
L0002832	0	-.48335E-04	652859.8	4190235.5	6.0	4.15	18.51	1.93	NO	
L0002833	0	-.48335E-04	652857.1	4190275.2	6.0	4.15	18.51	1.93	NO	
L0002834	0	-.48335E-04	652854.3	4190314.9	6.0	4.15	18.51	1.93	NO	
L0002835	0	-.48335E-04	652851.6	4190354.6	6.0	4.15	18.51	1.93	NO	
L0002836	0	-.48335E-04	652848.8	4190394.3	6.0	4.15	18.51	1.93	NO	
L0002837	0	-.48335E-04	652846.0	4190434.1	6.0	4.15	18.51	1.93	NO	
L0002838	0	-.48335E-04	652843.3	4190473.8	6.0	4.15	18.51	1.93	NO	
L0002839	0	-.48335E-04	652840.5	4190513.5	6.0	4.15	18.51	1.93	NO	
L0002840	0	-.48335E-04	652837.7	4190553.2	6.0	4.15	18.51	1.93	NO	
L0002841	0	-.48335E-04	652835.0	4190592.9	6.0	4.15	18.51	1.93	NO	
L0002842	0	-.48335E-04	652832.2	4190632.6	6.0	4.15	18.51	1.93	NO	
L0002843	0	0.23079E-04	652978.3	4190671.8	6.0	5.60	21.56	2.60	NO	
L0002844	0	0.23079E-04	652975.1	4190718.0	6.0	5.60	21.56	2.60	NO	
L0002845	0	0.23079E-04	652971.8	4190764.2	6.0	5.60	21.56	2.60	NO	
L0002846	0	0.23079E-04	652968.5	4190810.5	6.0	5.60	21.56	2.60	NO	
L0002847	0	0.23079E-04	652965.3	4190856.7	6.0	5.60	21.56	2.60	NO	
L0002848	0	0.23079E-04	652962.0	4190902.9	6.0	5.60	21.56	2.60	NO	
L0002849	0	0.23079E-04	652958.8	4190949.2	6.0	5.60	21.56	2.60	NO	
L0002850	0	0.23079E-04	652955.5	4190995.4	6.0	5.60	21.56	2.60	NO	
L0002851	0	0.23079E-04	652952.2	4191041.7	6.0	5.60	21.56	2.60	NO	
L0002852	0	0.23079E-04	652949.0	4191087.9	6.0	5.60	21.56	2.60	NO	
L0002853	0	0.23079E-04	652945.7	4191134.1	6.0	5.60	21.56	2.60	NO	
L0002854	0	0.23079E-04	652942.5	4191180.4	6.0	5.60	21.56	2.60	NO	
L0002855	0	-.48335E-04	652932.5	4190743.1	6.0	4.15	17.47	1.93	NO	
L0002856	0	-.48335E-04	652929.7	4190780.5	6.0	4.15	17.47	1.93	NO	
L0002857	0	-.48335E-04	652926.9	4190818.0	6.0	4.15	17.47	1.93	NO	
L0002858	0	-.48335E-04	652924.2	4190855.4	6.0	4.15	17.47	1.93	NO	
L0002859	0	-.48335E-04	652921.4	4190892.9	6.0	4.15	17.47	1.93	NO	
L0002860	0	-.48335E-04	652918.6	4190930.3	6.0	4.15	17.47	1.93	NO	
L0002861	0	-.48335E-04	652915.8	4190967.8	6.0	4.15	17.47	1.93	NO	
L0002862	0	-.48335E-04	652913.0	4191005.2	6.0	4.15	17.47	1.93	NO	
L0002863	0	-.48335E-04	652910.3	4191042.7	6.0	4.15	17.47	1.93	NO	
L0002864	0	-.48335E-04	652907.5	4191080.1	6.0	4.15	17.47	1.93	NO	
L0002865	0	-.48335E-04	652904.7	4191117.6	6.0	4.15	17.47	1.93	NO	
L0002866	0	-.48335E-04	652901.9	4191155.0	6.0	4.15	17.47	1.93	NO	
L0002867	0	-.48335E-04	652911.7	4190773.7	6.0	4.15	17.84	1.93	NO	
L0002868	0	-.48335E-04	652909.2	4190812.0	6.0	4.15	17.84	1.93	NO	
L0002869	0	-.48335E-04	652906.6	4190850.3	6.0	4.15	17.84	1.93	NO	

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NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002870	0	-.48335E-04	652904.1	4190888.5	6.0	4.15	17.84	1.93	NO	
L0002871	0	-.48335E-04	652901.6	4190926.8	6.0	4.15	17.84	1.93	NO	
L0002872	0	-.48335E-04	652899.1	4190965.1	6.0	4.15	17.84	1.93	NO	
L0002873	0	-.48335E-04	652896.6	4191003.3	6.0	4.15	17.84	1.93	NO	
L0002874	0	-.48335E-04	652894.1	4191041.6	6.0	4.15	17.84	1.93	NO	
L0002875	0	-.48335E-04	652891.6	4191079.9	6.0	4.15	17.84	1.93	NO	
L0002876	0	-.48335E-04	652889.0	4191118.1	6.0	4.15	17.84	1.93	NO	
L0002877	0	-.48335E-04	652886.5	4191156.4	6.0	4.15	17.84	1.93	NO	
L0002878	0	-.48335E-04	652868.5	4190833.7	6.0	4.15	16.64	1.93	NO	
L0002879	0	-.48335E-04	652866.2	4190869.4	6.0	4.15	16.64	1.93	NO	
L0002880	0	-.48335E-04	652863.8	4190905.1	6.0	4.15	16.64	1.93	NO	
L0002881	0	-.48335E-04	652861.5	4190940.8	6.0	4.15	16.64	1.93	NO	
L0002882	0	-.48335E-04	652859.2	4190976.5	6.0	4.15	16.64	1.93	NO	
L0002883	0	-.48335E-04	652856.8	4191012.2	6.0	4.15	16.64	1.93	NO	
L0002884	0	-.48335E-04	652854.5	4191047.9	6.0	4.15	16.64	1.93	NO	
L0002885	0	-.48335E-04	652852.2	4191083.6	6.0	4.15	16.64	1.93	NO	
L0002886	0	-.48335E-04	652849.8	4191119.3	6.0	4.15	16.64	1.93	NO	
L0002887	0	-.48335E-04	652847.5	4191155.0	6.0	4.15	16.64	1.93	NO	
L0002888	0	-.48335E-04	652850.3	4190871.3	6.0	4.15	16.63	1.93	NO	
L0002889	0	-.48335E-04	652847.5	4190906.9	6.0	4.15	16.63	1.93	NO	
L0002890	0	-.48335E-04	652844.7	4190942.5	6.0	4.15	16.63	1.93	NO	
L0002891	0	-.48335E-04	652842.0	4190978.2	6.0	4.15	16.63	1.93	NO	
L0002892	0	-.48335E-04	652839.2	4191013.8	6.0	4.15	16.63	1.93	NO	
L0002893	0	-.48335E-04	652836.4	4191049.5	6.0	4.15	16.63	1.93	NO	
L0002894	0	-.48335E-04	652833.7	4191085.1	6.0	4.15	16.63	1.93	NO	
L0002895	0	-.48335E-04	652830.9	4191120.8	6.0	4.15	16.63	1.93	NO	
L0002896	0	-.48335E-04	652828.1	4191156.4	6.0	4.15	16.63	1.93	NO	
L0002897	0	0.17214E-04	652937.9	4187657.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002898	0	0.17214E-04	652934.3	4187706.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002899	0	0.17214E-04	652930.8	4187756.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002900	0	0.17214E-04	652927.2	4187805.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002901	0	0.17214E-04	652923.6	4187855.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002902	0	0.17214E-04	652920.1	4187905.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002903	0	0.17214E-04	652916.5	4187954.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002904	0	0.17214E-04	652912.9	4188004.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002905	0	0.17214E-04	652909.4	4188053.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002906	0	0.17214E-04	652905.8	4188103.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002907	0	0.17214E-04	652902.2	4188153.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002908	0	0.17214E-04	652898.7	4188202.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002909	0	0.17214E-04	652895.1	4188252.3	6.0	5.60	23.13	2.60	NO	HROFDY

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002910	0	0.17214E-04	652891.5	4188301.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002911	0	0.17214E-04	652888.0	4188351.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002912	0	0.17214E-04	652884.4	4188401.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002913	0	0.17214E-04	652880.8	4188450.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002914	0	0.17214E-04	652877.3	4188500.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002915	0	0.17214E-04	652873.7	4188549.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002916	0	0.17214E-04	652870.1	4188599.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002917	0	0.17214E-04	652866.6	4188649.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002918	0	0.17214E-04	652863.0	4188698.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002919	0	0.17214E-04	652859.4	4188748.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002920	0	0.17214E-04	652855.9	4188797.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002921	0	0.17214E-04	652852.3	4188847.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002922	0	0.17214E-04	652848.7	4188897.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002923	0	0.17214E-04	652845.2	4188946.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002924	0	0.17214E-04	652841.6	4188996.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002925	0	0.17214E-04	652838.0	4189045.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002926	0	0.17214E-04	652834.5	4189095.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002927	0	0.17214E-04	652830.9	4189145.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002928	0	0.17214E-04	652827.3	4189194.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002929	0	0.17214E-04	652823.8	4189244.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002930	0	0.17214E-04	652820.2	4189293.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002931	0	0.17214E-04	652816.6	4189343.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002932	0	0.17214E-04	652813.1	4189393.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002933	0	0.17214E-04	652809.5	4189442.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002934	0	0.17214E-04	652805.9	4189492.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002935	0	0.17214E-04	652802.4	4189541.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002936	0	0.17214E-04	652798.8	4189591.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002937	0	0.17214E-04	652795.2	4189641.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002938	0	0.17214E-04	652791.7	4189690.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002939	0	0.17214E-04	652788.1	4189740.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002940	0	0.17214E-04	652784.5	4189789.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002941	0	0.17214E-04	652781.0	4189839.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002942	0	0.17214E-04	652777.4	4189889.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002943	0	0.17214E-04	652773.8	4189938.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002944	0	0.17214E-04	652770.3	4189988.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002945	0	0.17214E-04	652766.7	4190037.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002946	0	0.17214E-04	652763.1	4190087.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002947	0	0.17214E-04	652759.6	4190137.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002948	0	0.17214E-04	652756.0	4190186.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002949	0	0.17214E-04	652752.4	4190236.3	6.0	5.60	23.13	2.60	NO	HROFDY

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002950	0	0.17214E-04	652748.9	4190285.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002951	0	0.17214E-04	652745.3	4190335.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002952	0	0.17214E-04	652741.7	4190385.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002953	0	0.17214E-04	652738.2	4190434.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002954	0	0.17214E-04	652734.6	4190484.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002955	0	0.17214E-04	652731.0	4190533.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002956	0	0.17214E-04	652727.5	4190583.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002957	0	0.17214E-04	652723.9	4190633.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002958	0	0.17214E-04	652720.3	4190682.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002959	0	0.17214E-04	652716.8	4190732.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002960	0	0.17214E-04	652713.2	4190781.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002961	0	0.17214E-04	652709.6	4190831.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002962	0	0.17214E-04	652706.1	4190881.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002963	0	0.17214E-04	652702.5	4190930.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002964	0	0.17214E-04	652698.9	4190980.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002965	0	0.17214E-04	652695.4	4191029.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002966	0	0.17214E-04	652691.8	4191079.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002967	0	0.17214E-04	652688.2	4191129.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002968	0	0.17214E-04	652684.7	4191178.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002969	0	0.17214E-04	652681.1	4191228.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002970	0	0.17214E-04	652677.5	4191277.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0002971	0	0.17214E-04	652674.0	4191327.5	6.0	5.60	23.13	2.60	NO	HROFDY
L0002972	0	0.17214E-04	652670.4	4191377.1	6.0	5.60	23.13	2.60	NO	HROFDY
L0002973	0	0.17214E-04	652666.8	4191426.7	6.0	5.60	23.13	2.60	NO	HROFDY
L0002974	0	0.17214E-04	652663.3	4191476.3	6.0	5.60	23.13	2.60	NO	HROFDY
L0002975	0	0.17214E-04	652659.7	4191525.9	6.0	5.60	23.13	2.60	NO	HROFDY
L0012897	0	0.17214E-04	652937.9	4187657.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012898	0	0.17214E-04	652934.3	4187706.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012899	0	0.17214E-04	652930.8	4187756.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012900	0	0.17214E-04	652927.2	4187805.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012901	0	0.17214E-04	652923.6	4187855.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012902	0	0.17214E-04	652920.1	4187905.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012903	0	0.17214E-04	652916.5	4187954.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012904	0	0.17214E-04	652912.9	4188004.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012905	0	0.17214E-04	652909.4	4188053.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012906	0	0.17214E-04	652905.8	4188103.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012907	0	0.17214E-04	652902.2	4188153.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012908	0	0.17214E-04	652898.7	4188202.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012909	0	0.17214E-04	652895.1	4188252.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012910	0	0.17214E-04	652891.5	4188301.9	6.0	14.60	23.13	6.79	NO	HROFDY

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0012911	0	0.17214E-04	652888.0	4188351.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012912	0	0.17214E-04	652884.4	4188401.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012913	0	0.17214E-04	652880.8	4188450.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012914	0	0.17214E-04	652877.3	4188500.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012915	0	0.17214E-04	652873.7	4188549.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012916	0	0.17214E-04	652870.1	4188599.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012917	0	0.17214E-04	652866.6	4188649.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012918	0	0.17214E-04	652863.0	4188698.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012919	0	0.17214E-04	652859.4	4188748.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012920	0	0.17214E-04	652855.9	4188797.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012921	0	0.17214E-04	652852.3	4188847.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012922	0	0.17214E-04	652848.7	4188897.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012923	0	0.17214E-04	652845.2	4188946.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012924	0	0.17214E-04	652841.6	4188996.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012925	0	0.17214E-04	652838.0	4189045.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012926	0	0.17214E-04	652834.5	4189095.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012927	0	0.17214E-04	652830.9	4189145.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012928	0	0.17214E-04	652827.3	4189194.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012929	0	0.17214E-04	652823.8	4189244.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012930	0	0.17214E-04	652820.2	4189293.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012931	0	0.17214E-04	652816.6	4189343.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012932	0	0.17214E-04	652813.1	4189393.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012933	0	0.17214E-04	652809.5	4189442.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012934	0	0.17214E-04	652805.9	4189492.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012935	0	0.17214E-04	652802.4	4189541.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012936	0	0.17214E-04	652798.8	4189591.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012937	0	0.17214E-04	652795.2	4189641.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012938	0	0.17214E-04	652791.7	4189690.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012939	0	0.17214E-04	652788.1	4189740.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012940	0	0.17214E-04	652784.5	4189789.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012941	0	0.17214E-04	652781.0	4189839.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012942	0	0.17214E-04	652777.4	4189889.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012943	0	0.17214E-04	652773.8	4189938.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012944	0	0.17214E-04	652770.3	4189988.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012945	0	0.17214E-04	652766.7	4190037.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012946	0	0.17214E-04	652763.1	4190087.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012947	0	0.17214E-04	652759.6	4190137.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012948	0	0.17214E-04	652756.0	4190186.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012949	0	0.17214E-04	652752.4	4190236.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012950	0	0.17214E-04	652748.9	4190285.9	6.0	14.60	23.13	6.79	NO	HROFDY

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0012951	0	0.17214E-04	652745.3	4190335.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012952	0	0.17214E-04	652741.7	4190385.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012953	0	0.17214E-04	652738.2	4190434.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012954	0	0.17214E-04	652734.6	4190484.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012955	0	0.17214E-04	652731.0	4190533.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012956	0	0.17214E-04	652727.5	4190583.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012957	0	0.17214E-04	652723.9	4190633.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012958	0	0.17214E-04	652720.3	4190682.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012959	0	0.17214E-04	652716.8	4190732.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012960	0	0.17214E-04	652713.2	4190781.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012961	0	0.17214E-04	652709.6	4190831.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012962	0	0.17214E-04	652706.1	4190881.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012963	0	0.17214E-04	652702.5	4190930.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012964	0	0.17214E-04	652698.9	4190980.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012965	0	0.17214E-04	652695.4	4191029.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012966	0	0.17214E-04	652691.8	4191079.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012967	0	0.17214E-04	652688.2	4191129.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012968	0	0.17214E-04	652684.7	4191178.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012969	0	0.17214E-04	652681.1	4191228.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012970	0	0.17214E-04	652677.5	4191277.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0012971	0	0.17214E-04	652674.0	4191327.5	6.0	14.60	23.13	6.79	NO	HROFDY
L0012972	0	0.17214E-04	652670.4	4191377.1	6.0	14.60	23.13	6.79	NO	HROFDY
L0012973	0	0.17214E-04	652666.8	4191426.7	6.0	14.60	23.13	6.79	NO	HROFDY
L0012974	0	0.17214E-04	652663.3	4191476.3	6.0	14.60	23.13	6.79	NO	HROFDY
L0012975	0	0.17214E-04	652659.7	4191525.9	6.0	14.60	23.13	6.79	NO	HROFDY
L0002976	0	0.49570E-05	652932.4	4188343.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0002977	0	0.49570E-05	652928.9	4188393.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0002978	0	0.49570E-05	652925.4	4188443.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0002979	0	0.49570E-05	652921.9	4188493.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0002980	0	0.49570E-05	652918.4	4188542.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0002981	0	0.49570E-05	652914.9	4188592.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0002982	0	0.49570E-05	652911.4	4188642.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0002983	0	0.49570E-05	652907.9	4188692.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0002984	0	0.49570E-05	652904.4	4188741.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0002985	0	0.49570E-05	652900.9	4188791.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0002986	0	0.49570E-05	652897.4	4188841.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0002987	0	0.49570E-05	652893.9	4188891.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0002988	0	0.49570E-05	652890.4	4188940.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0002989	0	0.49570E-05	652886.9	4188990.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0002990	0	0.49570E-05	652883.4	4189040.4	6.0	5.60	23.20	2.60	NO	HROFDY

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002991	0	0.49570E-05	652879.9	4189090.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0002992	0	0.49570E-05	652876.4	4189139.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0002993	0	0.49570E-05	652872.9	4189189.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0002994	0	0.49570E-05	652869.5	4189239.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0002995	0	0.49570E-05	652866.0	4189289.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0002996	0	0.49570E-05	652862.5	4189338.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0002997	0	0.49570E-05	652859.0	4189388.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0002998	0	0.49570E-05	652855.5	4189438.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0002999	0	0.49570E-05	652852.0	4189488.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0003000	0	0.49570E-05	652848.5	4189537.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003001	0	0.49570E-05	652845.0	4189587.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0003002	0	0.49570E-05	652841.5	4189637.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003003	0	0.49570E-05	652838.0	4189687.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0003004	0	0.49570E-05	652834.5	4189736.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003005	0	0.49570E-05	652831.0	4189786.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0003006	0	0.49570E-05	652827.5	4189836.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003007	0	0.49570E-05	652824.0	4189886.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0003008	0	0.49570E-05	652820.5	4189935.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003009	0	0.49570E-05	652817.0	4189985.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0003010	0	0.49570E-05	652813.5	4190035.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003011	0	0.49570E-05	652810.1	4190085.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0003012	0	0.49570E-05	652806.6	4190134.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003013	0	0.49570E-05	652803.1	4190184.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0003014	0	0.49570E-05	652799.6	4190234.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003015	0	0.49570E-05	652796.1	4190284.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0003016	0	0.49570E-05	652792.6	4190333.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003017	0	0.49570E-05	652789.1	4190383.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0003018	0	0.49570E-05	652785.6	4190433.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003019	0	0.49570E-05	652782.1	4190483.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0003020	0	0.49570E-05	652778.6	4190532.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003021	0	0.49570E-05	652775.1	4190582.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0003022	0	0.49570E-05	652771.6	4190632.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003023	0	0.49570E-05	652768.1	4190682.1	6.0	5.60	23.20	2.60	NO	HROFDY
L0003024	0	0.49570E-05	652764.6	4190731.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003025	0	0.49570E-05	652773.2	4190729.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003026	0	0.49570E-05	652776.7	4190679.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003027	0	0.49570E-05	652780.2	4190629.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003028	0	0.49570E-05	652783.7	4190579.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003029	0	0.49570E-05	652787.2	4190530.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003030	0	0.49570E-05	652790.7	4190480.4	6.0	5.60	23.20	2.60	NO	HROFDY

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003031	0	0.49570E-05	652794.2	4190430.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003032	0	0.49570E-05	652797.8	4190380.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003033	0	0.49570E-05	652801.3	4190331.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003034	0	0.49570E-05	652804.8	4190281.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003035	0	0.49570E-05	652808.3	4190231.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003036	0	0.49570E-05	652811.8	4190181.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003037	0	0.49570E-05	652815.3	4190132.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003038	0	0.49570E-05	652818.8	4190082.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003039	0	0.49570E-05	652822.3	4190032.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003040	0	0.49570E-05	652825.8	4189982.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003041	0	0.49570E-05	652829.3	4189933.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003042	0	0.49570E-05	652832.9	4189883.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003043	0	0.49570E-05	652836.4	4189833.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003044	0	0.49570E-05	652839.9	4189783.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003045	0	0.49570E-05	652843.4	4189734.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003046	0	0.49570E-05	652846.9	4189684.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003047	0	0.49570E-05	652850.4	4189634.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003048	0	0.49570E-05	652853.9	4189584.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003049	0	0.49570E-05	652857.4	4189535.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003050	0	0.49570E-05	652860.9	4189485.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003051	0	0.49570E-05	652864.4	4189435.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003052	0	0.49570E-05	652868.0	4189385.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003053	0	0.49570E-05	652871.5	4189336.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003054	0	0.49570E-05	652875.0	4189286.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003055	0	0.49570E-05	652878.5	4189236.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003056	0	0.49570E-05	652882.0	4189186.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003057	0	0.49570E-05	652885.5	4189137.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003058	0	0.49570E-05	652889.0	4189087.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003059	0	0.49570E-05	652892.5	4189037.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003060	0	0.49570E-05	652896.0	4188987.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003061	0	0.49570E-05	652899.5	4188938.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003062	0	0.49570E-05	652903.1	4188888.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003063	0	0.49570E-05	652906.6	4188838.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003064	0	0.49570E-05	652910.1	4188788.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003065	0	0.49570E-05	652913.6	4188739.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003066	0	0.49570E-05	652917.1	4188689.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003067	0	0.49570E-05	652920.6	4188639.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003068	0	0.49570E-05	652924.1	4188589.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003069	0	0.49570E-05	652927.6	4188540.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003070	0	0.49570E-05	652931.1	4188490.4	6.0	5.60	23.20	2.60	NO	HROFDY

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003071	0	0.49570E-05	652934.6	4188440.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003072	0	0.49570E-05	652938.2	4188390.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003073	0	0.49570E-05	652944.1	4188382.6	6.0	5.60	23.20	2.60	NO	HROFDY
L0003074	0	0.49570E-05	652942.9	4188432.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003075	0	0.49570E-05	652939.3	4188482.0	6.0	5.60	23.20	2.60	NO	HROFDY
L0003076	0	0.49570E-05	652935.8	4188531.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003077	0	0.49570E-05	652932.3	4188581.5	6.0	5.60	23.20	2.60	NO	HROFDY
L0003078	0	0.49570E-05	652928.8	4188631.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003079	0	0.49570E-05	652925.3	4188681.0	6.0	5.60	23.20	2.60	NO	HROFDY
L0003080	0	0.49570E-05	652921.7	4188730.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003081	0	0.49570E-05	652918.2	4188780.5	6.0	5.60	23.20	2.60	NO	HROFDY
L0003082	0	0.49570E-05	652914.7	4188830.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003083	0	0.49570E-05	652911.2	4188880.0	6.0	5.60	23.20	2.60	NO	HROFDY
L0003084	0	0.49570E-05	652907.7	4188929.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003085	0	0.49570E-05	652904.1	4188979.5	6.0	5.60	23.20	2.60	NO	HROFDY
L0003086	0	0.49570E-05	652900.6	4189029.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003087	0	0.49570E-05	652897.1	4189079.0	6.0	5.60	23.20	2.60	NO	HROFDY
L0003088	0	0.49570E-05	652893.6	4189128.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003089	0	0.49570E-05	652890.0	4189178.5	6.0	5.60	23.20	2.60	NO	HROFDY
L0003090	0	0.49570E-05	652886.5	4189228.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003091	0	0.49570E-05	652883.0	4189278.0	6.0	5.60	23.20	2.60	NO	HROFDY
L0003092	0	0.49570E-05	652879.5	4189327.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003093	0	0.49570E-05	652876.0	4189377.5	6.0	5.60	23.20	2.60	NO	HROFDY
L0003094	0	0.49570E-05	652872.4	4189427.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003095	0	0.49570E-05	652868.9	4189476.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003096	0	0.49570E-05	652865.4	4189526.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003097	0	0.49570E-05	652861.9	4189576.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003098	0	0.49570E-05	652858.3	4189626.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003099	0	0.49570E-05	652854.8	4189675.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003100	0	0.49570E-05	652851.3	4189725.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003101	0	0.49570E-05	652847.8	4189775.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003102	0	0.49570E-05	652844.3	4189825.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003103	0	0.49570E-05	652840.7	4189874.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003104	0	0.49570E-05	652837.2	4189924.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003105	0	0.49570E-05	652833.7	4189974.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003106	0	0.49570E-05	652830.2	4190024.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003107	0	0.49570E-05	652826.7	4190073.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003108	0	0.49570E-05	652823.1	4190123.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003109	0	0.49570E-05	652819.6	4190173.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003110	0	0.49570E-05	652816.1	4190223.2	6.0	5.60	23.20	2.60	NO	HROFDY

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**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003111	0	0.49570E-05	652812.6	4190272.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003112	0	0.49570E-05	652809.0	4190322.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003113	0	0.49570E-05	652805.5	4190372.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003114	0	0.49570E-05	652802.0	4190422.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003115	0	0.49570E-05	652798.5	4190471.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003116	0	0.49570E-05	652795.0	4190521.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0003117	0	0.49570E-05	652791.4	4190571.4	6.0	5.60	23.20	2.60	NO	HROFDY
L0003118	0	0.49570E-05	652787.9	4190621.2	6.0	5.60	23.20	2.60	NO	HROFDY
L0003119	0	0.49570E-05	652784.4	4190670.9	6.0	5.60	23.20	2.60	NO	HROFDY
L0003120	0	0.49570E-05	652780.9	4190720.7	6.0	5.60	23.20	2.60	NO	HROFDY
L0012976	0	0.49570E-05	652932.4	4188343.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0012977	0	0.49570E-05	652928.9	4188393.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0012978	0	0.49570E-05	652925.4	4188443.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0012979	0	0.49570E-05	652921.9	4188493.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0012980	0	0.49570E-05	652918.4	4188542.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0012981	0	0.49570E-05	652914.9	4188592.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0012982	0	0.49570E-05	652911.4	4188642.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0012983	0	0.49570E-05	652907.9	4188692.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0012984	0	0.49570E-05	652904.4	4188741.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0012985	0	0.49570E-05	652900.9	4188791.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0012986	0	0.49570E-05	652897.4	4188841.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0012987	0	0.49570E-05	652893.9	4188891.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0012988	0	0.49570E-05	652890.4	4188940.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0012989	0	0.49570E-05	652886.9	4188990.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0012990	0	0.49570E-05	652883.4	4189040.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0012991	0	0.49570E-05	652879.9	4189090.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0012992	0	0.49570E-05	652876.4	4189139.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0012993	0	0.49570E-05	652872.9	4189189.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0012994	0	0.49570E-05	652869.5	4189239.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0012995	0	0.49570E-05	652866.0	4189289.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0012996	0	0.49570E-05	652862.5	4189338.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0012997	0	0.49570E-05	652859.0	4189388.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0012998	0	0.49570E-05	652855.5	4189438.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0012999	0	0.49570E-05	652852.0	4189488.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0013000	0	0.49570E-05	652848.5	4189537.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013001	0	0.49570E-05	652845.0	4189587.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0013002	0	0.49570E-05	652841.5	4189637.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013003	0	0.49570E-05	652838.0	4189687.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0013004	0	0.49570E-05	652834.5	4189736.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013005	0	0.49570E-05	652831.0	4189786.6	6.0	14.60	23.20	6.79	NO	HROFDY

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**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0013006	0	0.49570E-05	652827.5	4189836.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013007	0	0.49570E-05	652824.0	4189886.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0013008	0	0.49570E-05	652820.5	4189935.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013009	0	0.49570E-05	652817.0	4189985.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0013010	0	0.49570E-05	652813.5	4190035.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013011	0	0.49570E-05	652810.1	4190085.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0013012	0	0.49570E-05	652806.6	4190134.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013013	0	0.49570E-05	652803.1	4190184.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0013014	0	0.49570E-05	652799.6	4190234.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013015	0	0.49570E-05	652796.1	4190284.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0013016	0	0.49570E-05	652792.6	4190333.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013017	0	0.49570E-05	652789.1	4190383.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0013018	0	0.49570E-05	652785.6	4190433.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013019	0	0.49570E-05	652782.1	4190483.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0013020	0	0.49570E-05	652778.6	4190532.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013021	0	0.49570E-05	652775.1	4190582.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0013022	0	0.49570E-05	652771.6	4190632.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013023	0	0.49570E-05	652768.1	4190682.1	6.0	14.60	23.20	6.79	NO	HROFDY
L0013024	0	0.49570E-05	652764.6	4190731.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013025	0	0.49570E-05	652773.2	4190729.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013026	0	0.49570E-05	652776.7	4190679.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013027	0	0.49570E-05	652780.2	4190629.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013028	0	0.49570E-05	652783.7	4190579.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013029	0	0.49570E-05	652787.2	4190530.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013030	0	0.49570E-05	652790.7	4190480.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013031	0	0.49570E-05	652794.2	4190430.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013032	0	0.49570E-05	652797.8	4190380.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013033	0	0.49570E-05	652801.3	4190331.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013034	0	0.49570E-05	652804.8	4190281.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013035	0	0.49570E-05	652808.3	4190231.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013036	0	0.49570E-05	652811.8	4190181.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013037	0	0.49570E-05	652815.3	4190132.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013038	0	0.49570E-05	652818.8	4190082.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013039	0	0.49570E-05	652822.3	4190032.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013040	0	0.49570E-05	652825.8	4189982.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013041	0	0.49570E-05	652829.3	4189933.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013042	0	0.49570E-05	652832.9	4189883.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013043	0	0.49570E-05	652836.4	4189833.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013044	0	0.49570E-05	652839.9	4189783.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013045	0	0.49570E-05	652843.4	4189734.2	6.0	14.60	23.20	6.79	NO	HROFDY

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**MODELOPTS: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0013046	0	0.49570E-05	652846.9	4189684.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013047	0	0.49570E-05	652850.4	4189634.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013048	0	0.49570E-05	652853.9	4189584.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013049	0	0.49570E-05	652857.4	4189535.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013050	0	0.49570E-05	652860.9	4189485.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013051	0	0.49570E-05	652864.4	4189435.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013052	0	0.49570E-05	652868.0	4189385.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013053	0	0.49570E-05	652871.5	4189336.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013054	0	0.49570E-05	652875.0	4189286.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013055	0	0.49570E-05	652878.5	4189236.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013056	0	0.49570E-05	652882.0	4189186.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013057	0	0.49570E-05	652885.5	4189137.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013058	0	0.49570E-05	652889.0	4189087.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013059	0	0.49570E-05	652892.5	4189037.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013060	0	0.49570E-05	652896.0	4188987.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013061	0	0.49570E-05	652899.5	4188938.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013062	0	0.49570E-05	652903.1	4188888.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013063	0	0.49570E-05	652906.6	4188838.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013064	0	0.49570E-05	652910.1	4188788.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013065	0	0.49570E-05	652913.6	4188739.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013066	0	0.49570E-05	652917.1	4188689.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013067	0	0.49570E-05	652920.6	4188639.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013068	0	0.49570E-05	652924.1	4188589.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013069	0	0.49570E-05	652927.6	4188540.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013070	0	0.49570E-05	652931.1	4188490.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013071	0	0.49570E-05	652934.6	4188440.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013072	0	0.49570E-05	652938.2	4188390.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013073	0	0.49570E-05	652944.1	4188382.6	6.0	14.60	23.20	6.79	NO	HROFDY
L0013074	0	0.49570E-05	652942.9	4188432.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013075	0	0.49570E-05	652939.3	4188482.0	6.0	14.60	23.20	6.79	NO	HROFDY
L0013076	0	0.49570E-05	652935.8	4188531.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013077	0	0.49570E-05	652932.3	4188581.5	6.0	14.60	23.20	6.79	NO	HROFDY
L0013078	0	0.49570E-05	652928.8	4188631.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013079	0	0.49570E-05	652925.3	4188681.0	6.0	14.60	23.20	6.79	NO	HROFDY
L0013080	0	0.49570E-05	652921.7	4188730.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013081	0	0.49570E-05	652918.2	4188780.5	6.0	14.60	23.20	6.79	NO	HROFDY
L0013082	0	0.49570E-05	652914.7	4188830.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013083	0	0.49570E-05	652911.2	4188880.0	6.0	14.60	23.20	6.79	NO	HROFDY
L0013084	0	0.49570E-05	652907.7	4188929.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013085	0	0.49570E-05	652904.1	4188979.5	6.0	14.60	23.20	6.79	NO	HROFDY

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**MODELOPTS: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0013086	0	0.49570E-05	652900.6	4189029.2	6.0	14.60	23.20	6.79	NO	HROFDY

L0013087	0	0.49570E-05	652897.1	4189079.0	6.0	14.60	23.20	6.79	NO	HROFDY
L0013088	0	0.49570E-05	652893.6	4189128.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013089	0	0.49570E-05	652890.0	4189178.5	6.0	14.60	23.20	6.79	NO	HROFDY
L0013090	0	0.49570E-05	652886.5	4189228.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013091	0	0.49570E-05	652883.0	4189278.0	6.0	14.60	23.20	6.79	NO	HROFDY
L0013092	0	0.49570E-05	652879.5	4189327.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013093	0	0.49570E-05	652876.0	4189377.5	6.0	14.60	23.20	6.79	NO	HROFDY
L0013094	0	0.49570E-05	652872.4	4189427.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013095	0	0.49570E-05	652868.9	4189476.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013096	0	0.49570E-05	652865.4	4189526.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013097	0	0.49570E-05	652861.9	4189576.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013098	0	0.49570E-05	652858.3	4189626.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013099	0	0.49570E-05	652854.8	4189675.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013100	0	0.49570E-05	652851.3	4189725.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013101	0	0.49570E-05	652847.8	4189775.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013102	0	0.49570E-05	652844.3	4189825.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013103	0	0.49570E-05	652840.7	4189874.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013104	0	0.49570E-05	652837.2	4189924.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013105	0	0.49570E-05	652833.7	4189974.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013106	0	0.49570E-05	652830.2	4190024.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013107	0	0.49570E-05	652826.7	4190073.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013108	0	0.49570E-05	652823.1	4190123.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013109	0	0.49570E-05	652819.6	4190173.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013110	0	0.49570E-05	652816.1	4190223.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013111	0	0.49570E-05	652812.6	4190272.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013112	0	0.49570E-05	652809.0	4190322.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013113	0	0.49570E-05	652805.5	4190372.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013114	0	0.49570E-05	652802.0	4190422.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013115	0	0.49570E-05	652798.5	4190471.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013116	0	0.49570E-05	652795.0	4190521.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0013117	0	0.49570E-05	652791.4	4190571.4	6.0	14.60	23.20	6.79	NO	HROFDY
L0013118	0	0.49570E-05	652787.9	4190621.2	6.0	14.60	23.20	6.79	NO	HROFDY
L0013119	0	0.49570E-05	652784.4	4190670.9	6.0	14.60	23.20	6.79	NO	HROFDY
L0013120	0	0.49570E-05	652780.9	4190720.7	6.0	14.60	23.20	6.79	NO	HROFDY
L0003121	0	0.44415E-04	652320.1	4191201.5	6.0	5.60	23.08	2.60	NO	
L0003122	0	0.44415E-04	652369.7	4191202.6	6.0	5.60	23.08	2.60	NO	
L0003123	0	0.44415E-04	652419.3	4191203.6	6.0	5.60	23.08	2.60	NO	
L0003124	0	0.44415E-04	652468.9	4191204.6	6.0	5.60	23.08	2.60	NO	
L0003125	0	0.44415E-04	652518.5	4191205.7	6.0	5.60	23.08	2.60	NO	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003126	0	0.44415E-04	652568.1	4191206.7	6.0	5.60	23.08	2.60	NO	
L0003127	0	0.44415E-04	652617.7	4191207.7	6.0	5.60	23.08	2.60	NO	
L0003128	0	0.44415E-04	652667.4	4191208.7	6.0	5.60	23.08	2.60	NO	
L0003129	0	0.44415E-04	652717.0	4191209.8	6.0	5.60	23.08	2.60	NO	
L0003130	0	0.44415E-04	652766.6	4191210.8	6.0	5.60	23.08	2.60	NO	
L0003131	0	0.44415E-04	652816.2	4191211.8	6.0	5.60	23.08	2.60	NO	
L0003132	0	0.44415E-04	652865.8	4191212.8	6.0	5.60	23.08	2.60	NO	
L0003133	0	0.44415E-04	652915.4	4191213.9	6.0	5.60	23.08	2.60	NO	
L0003134	0	0.44415E-04	652959.4	4191208.9	6.0	5.60	23.08	2.60	NO	
L0003135	0	0.44415E-04	652961.6	4191159.3	6.0	5.60	23.08	2.60	NO	
L0003136	0	0.44415E-04	652963.8	4191109.7	6.0	5.60	23.08	2.60	NO	
L0003137	0	0.44415E-04	652966.0	4191060.2	6.0	5.60	23.08	2.60	NO	
L0003138	0	0.44415E-04	652971.0	4191011.9	6.0	5.60	23.08	2.60	NO	
L0003139	0	0.44415E-04	652994.8	4190972.4	6.0	5.60	23.08	2.60	NO	
L0003140	0	0.44415E-04	652997.0	4190922.8	6.0	5.60	23.08	2.60	NO	
L0003141	0	0.44415E-04	652999.2	4190873.3	6.0	5.60	23.08	2.60	NO	
L0003142	0	0.44415E-04	653001.4	4190823.7	6.0	5.60	23.08	2.60	NO	
L0003143	0	0.44415E-04	653003.6	4190774.1	6.0	5.60	23.08	2.60	NO	
L0003144	0	0.44415E-04	653005.8	4190724.5	6.0	5.60	23.08	2.60	NO	
L0003145	0	0.44415E-04	653008.0	4190675.0	6.0	5.60	23.08	2.60	NO	
L0003146	0	0.44415E-04	653010.2	4190625.4	6.0	5.60	23.08	2.60	NO	
L0003147	0	0.44415E-04	653012.4	4190575.8	6.0	5.60	23.08	2.60	NO	
L0003148	0	0.44415E-04	653014.7	4190526.3	6.0	5.60	23.08	2.60	NO	
L0003149	0	0.44415E-04	653021.7	4190477.3	6.0	5.60	23.08	2.60	NO	
L0003150	0	0.44415E-04	653031.1	4190428.5	6.0	5.60	23.08	2.60	NO	
L0003151	0	0.44415E-04	653040.5	4190379.8	6.0	5.60	23.08	2.60	NO	
L0003152	0	0.44415E-04	653046.4	4190330.6	6.0	5.60	23.08	2.60	NO	
L0003153	0	0.44415E-04	653049.6	4190281.1	6.0	5.60	23.08	2.60	NO	
L0003154	0	0.44415E-04	653052.7	4190231.6	6.0	5.60	23.08	2.60	NO	
L0003155	0	0.44415E-04	653060.0	4190182.8	6.0	5.60	23.08	2.60	NO	
L0003156	0	0.44415E-04	653083.7	4190185.3	6.0	5.60	23.08	2.60	NO	
L0003157	0	0.44415E-04	653083.3	4190234.5	6.0	5.60	23.08	2.60	NO	
L0003158	0	0.44415E-04	653079.4	4190284.0	6.0	5.60	23.08	2.60	NO	
L0003159	0	0.44415E-04	653075.5	4190333.5	6.0	5.60	23.08	2.60	NO	
L0003160	0	0.44415E-04	653076.5	4190382.9	6.0	5.60	23.08	2.60	NO	
L0003161	0	0.44415E-04	653074.4	4190432.4	6.0	5.60	23.08	2.60	NO	
L0003162	0	0.44415E-04	653071.1	4190481.9	6.0	5.60	23.08	2.60	NO	
L0003163	0	0.44415E-04	653067.7	4190531.4	6.0	5.60	23.08	2.60	NO	
L0003164	0	0.44415E-04	653055.0	4190579.2	6.0	5.60	23.08	2.60	NO	
L0003165	0	0.44415E-04	653040.4	4190626.6	6.0	5.60	23.08	2.60	NO	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003166	0	0.44415E-04	653034.0	4190675.6	6.0	5.60	23.08	2.60	NO	
L0003167	0	0.44415E-04	653030.3	4190725.1	6.0	5.60	23.08	2.60	NO	
L0003168	0	0.44415E-04	653026.5	4190774.6	6.0	5.60	23.08	2.60	NO	

L0003169	0	0.44415E-04	653024.2	4190824.0	6.0	5.60	23.08	2.60	NO	
L0003170	0	0.44415E-04	653033.5	4190872.7	6.0	5.60	23.08	2.60	NO	
L0003171	0	0.44415E-04	653039.3	4190921.7	6.0	5.60	23.08	2.60	NO	
L0003172	0	0.44415E-04	653031.7	4190969.6	6.0	5.60	23.08	2.60	NO	
L0003173	0	0.44415E-04	653005.8	4191010.9	6.0	5.60	23.08	2.60	NO	
L0003174	0	0.44415E-04	653001.9	4191060.4	6.0	5.60	23.08	2.60	NO	
L0003175	0	0.44415E-04	652998.0	4191109.8	6.0	5.60	23.08	2.60	NO	
L0003176	0	0.44415E-04	652983.8	4191156.4	6.0	5.60	23.08	2.60	NO	
L0003177	0	0.44415E-04	652968.1	4191202.4	6.0	5.60	23.08	2.60	NO	
L0003178	0	0.44415E-04	653005.3	4191215.4	6.0	5.60	23.08	2.60	NO	
L0003179	0	0.44415E-04	653054.9	4191216.2	6.0	5.60	23.08	2.60	NO	
L0003180	0	0.44415E-04	653104.5	4191217.0	6.0	5.60	23.08	2.60	NO	
L0003181	0	0.44415E-04	653154.1	4191217.8	6.0	5.60	23.08	2.60	NO	
L0003182	0	0.44415E-04	653203.8	4191218.6	6.0	5.60	23.08	2.60	NO	
L0003183	0	0.44415E-04	653253.4	4191219.4	6.0	5.60	23.08	2.60	NO	
L0003184	0	0.44415E-04	653303.0	4191220.2	6.0	5.60	23.08	2.60	NO	
L0003185	0	0.44415E-04	653352.6	4191221.0	6.0	5.60	23.08	2.60	NO	
L0003186	0	0.44415E-04	653388.2	4191234.8	6.0	5.60	23.08	2.60	NO	
L0003187	0	0.44415E-04	653385.3	4191284.3	6.0	5.60	23.08	2.60	NO	
L0003188	0	0.44415E-04	653382.5	4191333.9	6.0	5.60	23.08	2.60	NO	
L0003189	0	0.44415E-04	653379.6	4191383.4	6.0	5.60	23.08	2.60	NO	
L0003190	0	0.44415E-04	653376.8	4191432.9	6.0	5.60	23.08	2.60	NO	
L0003191	0	0.44415E-04	653373.9	4191482.5	6.0	5.60	23.08	2.60	NO	
L0003192	0	0.42803E-05	653017.7	4188472.4	6.0	4.15	18.51	1.93	NO	
L0003193	0	0.42803E-05	653015.6	4188512.1	6.0	4.15	18.51	1.93	NO	
L0003194	0	0.42803E-05	653012.8	4188551.8	6.0	4.15	18.51	1.93	NO	
L0003195	0	0.42803E-05	653010.1	4188591.5	6.0	4.15	18.51	1.93	NO	
L0003196	0	0.42803E-05	653007.3	4188631.2	6.0	4.15	18.51	1.93	NO	
L0003197	0	0.42803E-05	653004.5	4188670.9	6.0	4.15	18.51	1.93	NO	
L0003198	0	0.42803E-05	653001.7	4188710.6	6.0	4.15	18.51	1.93	NO	
L0003199	0	0.42803E-05	652998.9	4188750.3	6.0	4.15	18.51	1.93	NO	
L0003200	0	0.42803E-05	652996.1	4188790.0	6.0	4.15	18.51	1.93	NO	
L0003201	0	0.42803E-05	652993.3	4188829.7	6.0	4.15	18.51	1.93	NO	
L0003202	0	0.42803E-05	652990.5	4188869.4	6.0	4.15	18.51	1.93	NO	
L0003203	0	0.42803E-05	652987.7	4188909.0	6.0	4.15	18.51	1.93	NO	
L0003204	0	0.42803E-05	652984.9	4188948.7	6.0	4.15	18.51	1.93	NO	
L0003205	0	0.42803E-05	652982.1	4188988.4	6.0	4.15	18.51	1.93	NO	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003206	0	0.42803E-05	652979.3	4189028.1	6.0	4.15	18.51	1.93	NO	
L0003207	0	0.42803E-05	652976.5	4189067.8	6.0	4.15	18.51	1.93	NO	
L0003208	0	0.42803E-05	652973.7	4189107.5	6.0	4.15	18.51	1.93	NO	
L0003209	0	0.42803E-05	652970.9	4189147.2	6.0	4.15	18.51	1.93	NO	
L0003210	0	0.42803E-05	652968.1	4189186.9	6.0	4.15	18.51	1.93	NO	
L0003211	0	0.42803E-05	652965.3	4189226.6	6.0	4.15	18.51	1.93	NO	
L0003212	0	0.42803E-05	652962.5	4189266.3	6.0	4.15	18.51	1.93	NO	
L0003213	0	0.42803E-05	652959.7	4189306.0	6.0	4.15	18.51	1.93	NO	
L0003214	0	0.42803E-05	652956.9	4189345.7	6.0	4.15	18.51	1.93	NO	
L0003215	0	0.42803E-05	652954.1	4189385.4	6.0	4.15	18.51	1.93	NO	
L0003216	0	0.42803E-05	652951.3	4189425.1	6.0	4.15	18.51	1.93	NO	
L0003217	0	0.42803E-05	652948.5	4189464.8	6.0	4.15	18.51	1.93	NO	
L0003218	0	0.42803E-05	652945.7	4189504.5	6.0	4.15	18.51	1.93	NO	
L0003219	0	0.42803E-05	652942.9	4189544.2	6.0	4.15	18.51	1.93	NO	
L0003220	0	0.42803E-05	652940.1	4189583.9	6.0	4.15	18.51	1.93	NO	
L0003221	0	0.42803E-05	652937.3	4189623.6	6.0	4.15	18.51	1.93	NO	
L0003222	0	0.42803E-05	652934.5	4189663.3	6.0	4.15	18.51	1.93	NO	
L0003223	0	0.42803E-05	652931.7	4189702.9	6.0	4.15	18.51	1.93	NO	
L0003224	0	0.42803E-05	652928.9	4189742.6	6.0	4.15	18.51	1.93	NO	
L0003225	0	0.42803E-05	652926.1	4189782.3	6.0	4.15	18.51	1.93	NO	
L0003226	0	0.42803E-05	652923.3	4189822.0	6.0	4.15	18.51	1.93	NO	
L0003227	0	0.42803E-05	652920.5	4189861.7	6.0	4.15	18.51	1.93	NO	
L0003228	0	0.42803E-05	652917.7	4189901.4	6.0	4.15	18.51	1.93	NO	
L0003229	0	0.42803E-05	652914.9	4189941.1	6.0	4.15	18.51	1.93	NO	
L0003230	0	0.42803E-05	652912.1	4189980.8	6.0	4.15	18.51	1.93	NO	
L0003231	0	0.42803E-05	652909.3	4190020.5	6.0	4.15	18.51	1.93	NO	
L0003232	0	0.42803E-05	652906.5	4190060.2	6.0	4.15	18.51	1.93	NO	
L0003233	0	0.42803E-05	652903.7	4190099.9	6.0	4.15	18.51	1.93	NO	
L0003234	0	0.42803E-05	652900.9	4190139.6	6.0	4.15	18.51	1.93	NO	
L0003235	0	0.42803E-05	652898.1	4190179.3	6.0	4.15	18.51	1.93	NO	
L0003236	0	0.42803E-05	652895.3	4190219.0	6.0	4.15	18.51	1.93	NO	
L0003237	0	0.42803E-05	652892.5	4190258.7	6.0	4.15	18.51	1.93	NO	
L0003238	0	0.42803E-05	652889.7	4190298.4	6.0	4.15	18.51	1.93	NO	
L0003239	0	0.42803E-05	652886.9	4190338.1	6.0	4.15	18.51	1.93	NO	
L0003240	0	0.42803E-05	652884.1	4190377.8	6.0	4.15	18.51	1.93	NO	
L0003241	0	0.42803E-05	652881.3	4190417.5	6.0	4.15	18.51	1.93	NO	
L0003242	0	0.42803E-05	652878.5	4190457.1	6.0	4.15	18.51	1.93	NO	
L0003243	0	0.42803E-05	652875.7	4190496.8	6.0	4.15	18.51	1.93	NO	
L0003244	0	0.42803E-05	652872.9	4190536.5	6.0	4.15	18.51	1.93	NO	
L0003245	0	0.42803E-05	652870.1	4190576.2	6.0	4.15	18.51	1.93	NO	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003246	0	0.42803E-05	652867.3	4190615.9	6.0	4.15	18.51	1.93	NO	
L0003247	0	0.42803E-05	652863.3	4190655.4	6.0	4.15	18.51	1.93	NO	
L0003248	0	0.42803E-05	652852.2	4190693.6	6.0	4.15	18.51	1.93	NO	
L0003249	0	0.42803E-05	652841.2	4190731.9	6.0	4.15	18.51	1.93	NO	
L0003250	0	0.42803E-05	652836.6	4190764.5	6.0	4.15	18.51	1.93	NO	

L0003251	0	0.42803E-05	652851.7	4190731.3	6.0	4.15	18.51	1.93	NO	
L0003252	0	0.42803E-05	652862.3	4190693.0	6.0	4.15	18.51	1.93	NO	
L0003253	0	0.42803E-05	652869.1	4190654.0	6.0	4.15	18.51	1.93	NO	
L0003254	0	0.42803E-05	652872.0	4190614.3	6.0	4.15	18.51	1.93	NO	
L0003255	0	0.42803E-05	652874.9	4190574.6	6.0	4.15	18.51	1.93	NO	
L0003256	0	0.42803E-05	652877.7	4190534.9	6.0	4.15	18.51	1.93	NO	
L0003257	0	0.42803E-05	652880.6	4190495.2	6.0	4.15	18.51	1.93	NO	
L0003258	0	0.42803E-05	652883.5	4190455.5	6.0	4.15	18.51	1.93	NO	
L0003259	0	0.42803E-05	652886.4	4190415.8	6.0	4.15	18.51	1.93	NO	
L0003260	0	0.42803E-05	652889.2	4190376.1	6.0	4.15	18.51	1.93	NO	
L0003261	0	0.42803E-05	652892.1	4190336.4	6.0	4.15	18.51	1.93	NO	
L0003262	0	0.42803E-05	652895.0	4190296.8	6.0	4.15	18.51	1.93	NO	
L0003263	0	0.42803E-05	652897.8	4190257.1	6.0	4.15	18.51	1.93	NO	
L0003264	0	0.42803E-05	652900.7	4190217.4	6.0	4.15	18.51	1.93	NO	
L0003265	0	0.42803E-05	652903.6	4190177.7	6.0	4.15	18.51	1.93	NO	
L0003266	0	0.42803E-05	652906.4	4190138.0	6.0	4.15	18.51	1.93	NO	
L0003267	0	0.42803E-05	652909.3	4190098.3	6.0	4.15	18.51	1.93	NO	
L0003268	0	0.42803E-05	652912.2	4190058.6	6.0	4.15	18.51	1.93	NO	
L0003269	0	0.42803E-05	652915.0	4190018.9	6.0	4.15	18.51	1.93	NO	
L0003270	0	0.42803E-05	652917.9	4189979.2	6.0	4.15	18.51	1.93	NO	
L0003271	0	0.42803E-05	652920.8	4189939.5	6.0	4.15	18.51	1.93	NO	
L0003272	0	0.42803E-05	652923.6	4189899.9	6.0	4.15	18.51	1.93	NO	
L0003273	0	0.42803E-05	652926.5	4189860.2	6.0	4.15	18.51	1.93	NO	
L0003274	0	0.42803E-05	652929.4	4189820.5	6.0	4.15	18.51	1.93	NO	
L0003275	0	0.42803E-05	652932.2	4189780.8	6.0	4.15	18.51	1.93	NO	
L0003276	0	0.42803E-05	652935.1	4189741.1	6.0	4.15	18.51	1.93	NO	
L0003277	0	0.42803E-05	652938.0	4189701.4	6.0	4.15	18.51	1.93	NO	
L0003278	0	0.42803E-05	652940.8	4189661.7	6.0	4.15	18.51	1.93	NO	
L0003279	0	0.42803E-05	652943.7	4189622.0	6.0	4.15	18.51	1.93	NO	
L0003280	0	0.42803E-05	652946.6	4189582.3	6.0	4.15	18.51	1.93	NO	
L0003281	0	0.42803E-05	652949.4	4189542.6	6.0	4.15	18.51	1.93	NO	
L0003282	0	0.42803E-05	652952.3	4189503.0	6.0	4.15	18.51	1.93	NO	
L0003283	0	0.42803E-05	652955.2	4189463.3	6.0	4.15	18.51	1.93	NO	
L0003284	0	0.42803E-05	652958.0	4189423.6	6.0	4.15	18.51	1.93	NO	
L0003285	0	0.42803E-05	652960.9	4189383.9	6.0	4.15	18.51	1.93	NO	

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NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003286	0	0.42803E-05	652963.8	4189344.2	6.0	4.15	18.51	1.93	NO	
L0003287	0	0.42803E-05	652966.7	4189304.5	6.0	4.15	18.51	1.93	NO	
L0003288	0	0.42803E-05	652969.5	4189264.8	6.0	4.15	18.51	1.93	NO	
L0003289	0	0.42803E-05	652972.4	4189225.1	6.0	4.15	18.51	1.93	NO	
L0003290	0	0.42803E-05	652975.3	4189185.4	6.0	4.15	18.51	1.93	NO	
L0003291	0	0.42803E-05	652978.1	4189145.7	6.0	4.15	18.51	1.93	NO	
L0003292	0	0.42803E-05	652981.0	4189106.1	6.0	4.15	18.51	1.93	NO	
L0003293	0	0.42803E-05	652983.9	4189066.4	6.0	4.15	18.51	1.93	NO	
L0003294	0	0.42803E-05	652986.7	4189026.7	6.0	4.15	18.51	1.93	NO	
L0003295	0	0.42803E-05	652989.6	4188987.0	6.0	4.15	18.51	1.93	NO	
L0003296	0	0.42803E-05	652992.5	4188947.3	6.0	4.15	18.51	1.93	NO	
L0003297	0	0.42803E-05	652995.3	4188907.6	6.0	4.15	18.51	1.93	NO	
L0003298	0	0.42803E-05	652998.2	4188867.9	6.0	4.15	18.51	1.93	NO	
L0003299	0	0.42803E-05	653001.1	4188828.2	6.0	4.15	18.51	1.93	NO	
L0003300	0	0.42803E-05	653003.9	4188788.5	6.0	4.15	18.51	1.93	NO	
L0003301	0	0.42803E-05	653006.8	4188748.8	6.0	4.15	18.51	1.93	NO	
L0003302	0	0.42803E-05	653009.7	4188709.2	6.0	4.15	18.51	1.93	NO	
L0003303	0	0.42803E-05	653012.5	4188669.5	6.0	4.15	18.51	1.93	NO	
L0003304	0	0.42803E-05	653015.4	4188629.8	6.0	4.15	18.51	1.93	NO	
L0003305	0	0.42803E-05	653018.3	4188590.1	6.0	4.15	18.51	1.93	NO	
L0003306	0	0.42803E-05	653021.1	4188550.4	6.0	4.15	18.51	1.93	NO	
L0003307	0	0.42803E-05	653023.9	4188510.7	6.0	4.15	18.51	1.93	NO	
L0003308	0	0.42803E-05	653026.0	4188471.0	6.0	4.15	18.51	1.93	NO	
L0003309	0	0.42803E-05	653086.8	4188525.2	6.0	4.15	18.51	1.93	NO	
L0003310	0	0.42803E-05	653093.9	4188564.3	6.0	4.15	18.51	1.93	NO	
L0003311	0	0.42803E-05	653100.9	4188603.5	6.0	4.15	18.51	1.93	NO	
L0003312	0	0.42803E-05	653099.4	4188643.1	6.0	4.15	18.51	1.93	NO	
L0003313	0	0.42803E-05	653096.6	4188682.8	6.0	4.15	18.51	1.93	NO	
L0003314	0	0.42803E-05	653093.8	4188722.5	6.0	4.15	18.51	1.93	NO	
L0003315	0	0.42803E-05	653091.0	4188762.2	6.0	4.15	18.51	1.93	NO	
L0003316	0	0.42803E-05	653088.2	4188801.9	6.0	4.15	18.51	1.93	NO	
L0003317	0	0.42803E-05	653085.4	4188841.5	6.0	4.15	18.51	1.93	NO	
L0003318	0	0.42803E-05	653082.7	4188881.2	6.0	4.15	18.51	1.93	NO	
L0003319	0	0.42803E-05	653079.9	4188920.9	6.0	4.15	18.51	1.93	NO	
L0003320	0	0.42803E-05	653077.1	4188960.6	6.0	4.15	18.51	1.93	NO	
L0003321	0	0.42803E-05	653074.3	4189000.3	6.0	4.15	18.51	1.93	NO	
L0003322	0	0.42803E-05	653071.5	4189040.0	6.0	4.15	18.51	1.93	NO	
L0003323	0	0.42803E-05	653068.7	4189079.7	6.0	4.15	18.51	1.93	NO	
L0003324	0	0.42803E-05	653065.9	4189119.4	6.0	4.15	18.51	1.93	NO	
L0003325	0	0.42803E-05	653063.2	4189159.1	6.0	4.15	18.51	1.93	NO	

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**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003326	0	0.42803E-05	653060.4	4189198.8	6.0	4.15	18.51	1.93	NO	
L0003327	0	0.42803E-05	653057.6	4189238.4	6.0	4.15	18.51	1.93	NO	
L0003328	0	0.42803E-05	653054.8	4189278.1	6.0	4.15	18.51	1.93	NO	
L0003329	0	0.42803E-05	653052.0	4189317.8	6.0	4.15	18.51	1.93	NO	
L0003330	0	0.42803E-05	653049.2	4189357.5	6.0	4.15	18.51	1.93	NO	
L0003331	0	0.42803E-05	653046.4	4189397.2	6.0	4.15	18.51	1.93	NO	
L0003332	0	0.42803E-05	653043.6	4189436.9	6.0	4.15	18.51	1.93	NO	

L0003333	0	0.42803E-05	653040.9	4189476.6	6.0	4.15	18.51	1.93	NO
L0003334	0	0.42803E-05	653038.1	4189516.3	6.0	4.15	18.51	1.93	NO
L0003335	0	0.42803E-05	653035.3	4189556.0	6.0	4.15	18.51	1.93	NO
L0003336	0	0.42803E-05	653032.5	4189595.7	6.0	4.15	18.51	1.93	NO
L0003337	0	0.42803E-05	653029.7	4189635.3	6.0	4.15	18.51	1.93	NO
L0003338	0	0.42803E-05	653026.9	4189675.0	6.0	4.15	18.51	1.93	NO
L0003339	0	0.42803E-05	653024.1	4189714.7	6.0	4.15	18.51	1.93	NO
L0003340	0	0.42803E-05	653021.4	4189754.4	6.0	4.15	18.51	1.93	NO
L0003341	0	0.42803E-05	653018.6	4189794.1	6.0	4.15	18.51	1.93	NO
L0003342	0	0.42803E-05	653015.8	4189833.8	6.0	4.15	18.51	1.93	NO
L0003343	0	0.42803E-05	653013.0	4189873.5	6.0	4.15	18.51	1.93	NO
L0003344	0	0.42803E-05	653010.2	4189913.2	6.0	4.15	18.51	1.93	NO
L0003345	0	0.42803E-05	653007.4	4189952.9	6.0	4.15	18.51	1.93	NO
L0003346	0	0.42803E-05	653004.6	4189992.6	6.0	4.15	18.51	1.93	NO
L0003347	0	0.42803E-05	653001.9	4190032.2	6.0	4.15	18.51	1.93	NO
L0003348	0	0.42803E-05	652999.1	4190071.9	6.0	4.15	18.51	1.93	NO
L0003349	0	0.42803E-05	652996.3	4190111.6	6.0	4.15	18.51	1.93	NO
L0003350	0	0.42803E-05	652993.5	4190151.3	6.0	4.15	18.51	1.93	NO
L0003351	0	0.42803E-05	652990.7	4190191.0	6.0	4.15	18.51	1.93	NO
L0003352	0	0.42803E-05	652987.9	4190230.7	6.0	4.15	18.51	1.93	NO
L0003353	0	0.42803E-05	652985.1	4190270.4	6.0	4.15	18.51	1.93	NO
L0003354	0	0.42803E-05	652982.4	4190310.1	6.0	4.15	18.51	1.93	NO
L0003355	0	0.42803E-05	652979.6	4190349.8	6.0	4.15	18.51	1.93	NO
L0003356	0	0.42803E-05	652976.8	4190389.4	6.0	4.15	18.51	1.93	NO
L0003357	0	0.42803E-05	652974.0	4190429.1	6.0	4.15	18.51	1.93	NO
L0003358	0	0.42803E-05	652971.2	4190468.8	6.0	4.15	18.51	1.93	NO
L0003359	0	0.42803E-05	652968.4	4190508.5	6.0	4.15	18.51	1.93	NO
L0003360	0	0.42803E-05	652965.6	4190548.2	6.0	4.15	18.51	1.93	NO
L0003361	0	0.42803E-05	652956.9	4190586.9	6.0	4.15	18.51	1.93	NO
L0003362	0	0.42803E-05	652959.0	4190612.0	6.0	4.15	18.51	1.93	NO
L0003363	0	0.42803E-05	652969.3	4190573.6	6.0	4.15	18.51	1.93	NO
L0003364	0	0.42803E-05	652975.3	4190534.4	6.0	4.15	18.51	1.93	NO
L0003365	0	0.42803E-05	652978.1	4190494.7	6.0	4.15	18.51	1.93	NO

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003366	0	0.42803E-05	652980.8	4190455.0	6.0	4.15	18.51	1.93	NO	
L0003367	0	0.42803E-05	652983.6	4190415.3	6.0	4.15	18.51	1.93	NO	
L0003368	0	0.42803E-05	652986.4	4190375.6	6.0	4.15	18.51	1.93	NO	
L0003369	0	0.42803E-05	652989.2	4190336.0	6.0	4.15	18.51	1.93	NO	
L0003370	0	0.42803E-05	652992.0	4190296.3	6.0	4.15	18.51	1.93	NO	
L0003371	0	0.42803E-05	652994.8	4190256.6	6.0	4.15	18.51	1.93	NO	
L0003372	0	0.42803E-05	652997.6	4190216.9	6.0	4.15	18.51	1.93	NO	
L0003373	0	0.42803E-05	653000.4	4190177.2	6.0	4.15	18.51	1.93	NO	
L0003374	0	0.42803E-05	653003.2	4190137.5	6.0	4.15	18.51	1.93	NO	
L0003375	0	0.42803E-05	653006.0	4190097.8	6.0	4.15	18.51	1.93	NO	
L0003376	0	0.42803E-05	653008.8	4190058.1	6.0	4.15	18.51	1.93	NO	
L0003377	0	0.42803E-05	653011.6	4190018.4	6.0	4.15	18.51	1.93	NO	
L0003378	0	0.42803E-05	653014.4	4189978.7	6.0	4.15	18.51	1.93	NO	
L0003379	0	0.42803E-05	653017.1	4189939.1	6.0	4.15	18.51	1.93	NO	
L0003380	0	0.42803E-05	653019.9	4189899.4	6.0	4.15	18.51	1.93	NO	
L0003381	0	0.42803E-05	653022.7	4189859.7	6.0	4.15	18.51	1.93	NO	
L0003382	0	0.42803E-05	653025.5	4189820.0	6.0	4.15	18.51	1.93	NO	
L0003383	0	0.42803E-05	653028.3	4189780.3	6.0	4.15	18.51	1.93	NO	
L0003384	0	0.42803E-05	653031.1	4189740.6	6.0	4.15	18.51	1.93	NO	
L0003385	0	0.42803E-05	653033.9	4189700.9	6.0	4.15	18.51	1.93	NO	
L0003386	0	0.42803E-05	653036.7	4189661.2	6.0	4.15	18.51	1.93	NO	
L0003387	0	0.42803E-05	653039.5	4189621.5	6.0	4.15	18.51	1.93	NO	
L0003388	0	0.42803E-05	653042.3	4189581.9	6.0	4.15	18.51	1.93	NO	
L0003389	0	0.42803E-05	653045.1	4189542.2	6.0	4.15	18.51	1.93	NO	
L0003390	0	0.42803E-05	653047.9	4189502.5	6.0	4.15	18.51	1.93	NO	
L0003391	0	0.42803E-05	653050.6	4189462.8	6.0	4.15	18.51	1.93	NO	
L0003392	0	0.42803E-05	653053.4	4189423.1	6.0	4.15	18.51	1.93	NO	
L0003393	0	0.42803E-05	653056.2	4189383.4	6.0	4.15	18.51	1.93	NO	
L0003394	0	0.42803E-05	653059.0	4189343.7	6.0	4.15	18.51	1.93	NO	
L0003395	0	0.42803E-05	653061.8	4189304.0	6.0	4.15	18.51	1.93	NO	
L0003396	0	0.42803E-05	653064.6	4189264.3	6.0	4.15	18.51	1.93	NO	
L0003397	0	0.42803E-05	653067.4	4189224.7	6.0	4.15	18.51	1.93	NO	
L0003398	0	0.42803E-05	653070.2	4189185.0	6.0	4.15	18.51	1.93	NO	
L0003399	0	0.42803E-05	653073.0	4189145.3	6.0	4.15	18.51	1.93	NO	
L0003400	0	0.42803E-05	653075.8	4189105.6	6.0	4.15	18.51	1.93	NO	
L0003401	0	0.42803E-05	653078.6	4189065.9	6.0	4.15	18.51	1.93	NO	
L0003402	0	0.42803E-05	653081.4	4189026.2	6.0	4.15	18.51	1.93	NO	
L0003403	0	0.42803E-05	653084.2	4188986.5	6.0	4.15	18.51	1.93	NO	
L0003404	0	0.42803E-05	653086.9	4188946.8	6.0	4.15	18.51	1.93	NO	
L0003405	0	0.42803E-05	653089.7	4188907.1	6.0	4.15	18.51	1.93	NO	

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003406	0	0.42803E-05	653092.5	4188867.4	6.0	4.15	18.51	1.93	NO	
L0003407	0	0.42803E-05	653095.3	4188827.8	6.0	4.15	18.51	1.93	NO	
L0003408	0	0.42803E-05	653098.1	4188788.1	6.0	4.15	18.51	1.93	NO	
L0003409	0	0.42803E-05	653100.9	4188748.4	6.0	4.15	18.51	1.93	NO	
L0003410	0	0.42803E-05	653103.7	4188708.7	6.0	4.15	18.51	1.93	NO	
L0003411	0	0.42803E-05	653106.5	4188669.0	6.0	4.15	18.51	1.93	NO	
L0003412	0	0.42803E-05	653109.3	4188629.3	6.0	4.15	18.51	1.93	NO	
L0003413	0	0.42803E-05	653106.7	4188589.8	6.0	4.15	18.51	1.93	NO	
L0003414	0	0.42803E-05	653101.7	4188550.3	6.0	4.15	18.51	1.93	NO	

L0003415	0	0.42803E-05	652932.5	4188341.4	6.0	4.15	18.57	1.93	NO
L0003416	0	0.42803E-05	652929.7	4188381.2	6.0	4.15	18.57	1.93	NO
L0003417	0	0.42803E-05	652926.9	4188421.1	6.0	4.15	18.57	1.93	NO
L0003418	0	0.42803E-05	652924.1	4188460.9	6.0	4.15	18.57	1.93	NO
L0003419	0	0.42803E-05	652921.3	4188500.7	6.0	4.15	18.57	1.93	NO
L0003420	0	0.42803E-05	652918.5	4188540.5	6.0	4.15	18.57	1.93	NO
L0003421	0	0.42803E-05	652915.7	4188580.4	6.0	4.15	18.57	1.93	NO
L0003422	0	0.42803E-05	652912.9	4188620.2	6.0	4.15	18.57	1.93	NO
L0003423	0	0.42803E-05	652910.1	4188660.0	6.0	4.15	18.57	1.93	NO
L0003424	0	0.42803E-05	652907.4	4188699.8	6.0	4.15	18.57	1.93	NO
L0003425	0	0.42803E-05	652904.6	4188739.7	6.0	4.15	18.57	1.93	NO
L0003426	0	0.42803E-05	652901.8	4188779.5	6.0	4.15	18.57	1.93	NO
L0003427	0	0.42803E-05	652899.0	4188819.3	6.0	4.15	18.57	1.93	NO
L0003428	0	0.42803E-05	652896.2	4188859.2	6.0	4.15	18.57	1.93	NO
L0003429	0	0.42803E-05	652893.4	4188899.0	6.0	4.15	18.57	1.93	NO
L0003430	0	0.42803E-05	652890.6	4188938.8	6.0	4.15	18.57	1.93	NO
L0003431	0	0.42803E-05	652887.8	4188978.6	6.0	4.15	18.57	1.93	NO
L0003432	0	0.42803E-05	652885.0	4189018.5	6.0	4.15	18.57	1.93	NO
L0003433	0	0.42803E-05	652882.2	4189058.3	6.0	4.15	18.57	1.93	NO
L0003434	0	0.42803E-05	652879.4	4189098.1	6.0	4.15	18.57	1.93	NO
L0003435	0	0.42803E-05	652876.6	4189138.0	6.0	4.15	18.57	1.93	NO
L0003436	0	0.42803E-05	652873.8	4189177.8	6.0	4.15	18.57	1.93	NO
L0003437	0	0.42803E-05	652871.0	4189217.6	6.0	4.15	18.57	1.93	NO
L0003438	0	0.42803E-05	652868.2	4189257.4	6.0	4.15	18.57	1.93	NO
L0003439	0	0.42803E-05	652865.4	4189297.3	6.0	4.15	18.57	1.93	NO
L0003440	0	0.42803E-05	652862.6	4189337.1	6.0	4.15	18.57	1.93	NO
L0003441	0	0.42803E-05	652859.8	4189376.9	6.0	4.15	18.57	1.93	NO
L0003442	0	0.42803E-05	652857.0	4189416.7	6.0	4.15	18.57	1.93	NO
L0003443	0	0.42803E-05	652854.2	4189456.6	6.0	4.15	18.57	1.93	NO
L0003444	0	0.42803E-05	652851.4	4189496.4	6.0	4.15	18.57	1.93	NO
L0003445	0	0.42803E-05	652848.6	4189536.2	6.0	4.15	18.57	1.93	NO

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003446	0	0.42803E-05	652845.8	4189576.1	6.0	4.15	18.57	1.93	NO	
L0003447	0	0.42803E-05	652843.0	4189615.9	6.0	4.15	18.57	1.93	NO	
L0003448	0	0.42803E-05	652840.2	4189655.7	6.0	4.15	18.57	1.93	NO	
L0003449	0	0.42803E-05	652837.4	4189695.5	6.0	4.15	18.57	1.93	NO	
L0003450	0	0.42803E-05	652834.6	4189735.4	6.0	4.15	18.57	1.93	NO	
L0003451	0	0.42803E-05	652831.8	4189775.2	6.0	4.15	18.57	1.93	NO	
L0003452	0	0.42803E-05	652829.0	4189815.0	6.0	4.15	18.57	1.93	NO	
L0003453	0	0.42803E-05	652826.2	4189854.9	6.0	4.15	18.57	1.93	NO	
L0003454	0	0.42803E-05	652823.4	4189894.7	6.0	4.15	18.57	1.93	NO	
L0003455	0	0.42803E-05	652820.6	4189934.5	6.0	4.15	18.57	1.93	NO	
L0003456	0	0.42803E-05	652817.8	4189974.3	6.0	4.15	18.57	1.93	NO	
L0003457	0	0.42803E-05	652815.0	4190014.2	6.0	4.15	18.57	1.93	NO	
L0003458	0	0.42803E-05	652812.2	4190054.0	6.0	4.15	18.57	1.93	NO	
L0003459	0	0.42803E-05	652809.4	4190093.8	6.0	4.15	18.57	1.93	NO	
L0003460	0	0.42803E-05	652806.6	4190133.6	6.0	4.15	18.57	1.93	NO	
L0003461	0	0.42803E-05	652803.8	4190173.5	6.0	4.15	18.57	1.93	NO	
L0003462	0	0.42803E-05	652801.1	4190213.3	6.0	4.15	18.57	1.93	NO	
L0003463	0	0.42803E-05	652798.3	4190253.1	6.0	4.15	18.57	1.93	NO	
L0003464	0	0.42803E-05	652795.5	4190293.0	6.0	4.15	18.57	1.93	NO	
L0003465	0	0.42803E-05	652792.7	4190332.8	6.0	4.15	18.57	1.93	NO	
L0003466	0	0.42803E-05	652789.9	4190372.6	6.0	4.15	18.57	1.93	NO	
L0003467	0	0.42803E-05	652787.1	4190412.4	6.0	4.15	18.57	1.93	NO	
L0003468	0	0.42803E-05	652784.3	4190452.3	6.0	4.15	18.57	1.93	NO	
L0003469	0	0.42803E-05	652781.5	4190492.1	6.0	4.15	18.57	1.93	NO	
L0003470	0	0.42803E-05	652778.7	4190531.9	6.0	4.15	18.57	1.93	NO	
L0003471	0	0.42803E-05	652775.9	4190571.8	6.0	4.15	18.57	1.93	NO	
L0003472	0	0.42803E-05	652773.1	4190611.6	6.0	4.15	18.57	1.93	NO	
L0003473	0	0.42803E-05	652770.3	4190651.4	6.0	4.15	18.57	1.93	NO	
L0003474	0	0.42803E-05	652767.5	4190691.2	6.0	4.15	18.57	1.93	NO	
L0003475	0	0.42803E-05	652764.7	4190731.1	6.0	4.15	18.57	1.93	NO	
L0003476	0	0.42803E-05	652772.4	4190739.9	6.0	4.15	18.57	1.93	NO	
L0003477	0	0.42803E-05	652775.2	4190700.1	6.0	4.15	18.57	1.93	NO	
L0003478	0	0.42803E-05	652778.0	4190660.3	6.0	4.15	18.57	1.93	NO	
L0003479	0	0.42803E-05	652780.9	4190620.4	6.0	4.15	18.57	1.93	NO	
L0003480	0	0.42803E-05	652783.7	4190580.6	6.0	4.15	18.57	1.93	NO	
L0003481	0	0.42803E-05	652786.5	4190540.8	6.0	4.15	18.57	1.93	NO	
L0003482	0	0.42803E-05	652789.3	4190500.9	6.0	4.15	18.57	1.93	NO	
L0003483	0	0.42803E-05	652792.1	4190461.1	6.0	4.15	18.57	1.93	NO	
L0003484	0	0.42803E-05	652794.9	4190421.3	6.0	4.15	18.57	1.93	NO	
L0003485	0	0.42803E-05	652797.7	4190381.5	6.0	4.15	18.57	1.93	NO	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003486	0	0.42803E-05	652800.5	4190341.6	6.0	4.15	18.57	1.93	NO	
L0003487	0	0.42803E-05	652803.3	4190301.8	6.0	4.15	18.57	1.93	NO	
L0003488	0	0.42803E-05	652806.1	4190262.0	6.0	4.15	18.57	1.93	NO	
L0003489	0	0.42803E-05	652809.0	4190222.2	6.0	4.15	18.57	1.93	NO	
L0003490	0	0.42803E-05	652811.8	4190182.3	6.0	4.15	18.57	1.93	NO	
L0003491	0	0.42803E-05	652814.6	4190142.5	6.0	4.15	18.57	1.93	NO	
L0003492	0	0.42803E-05	652817.4	4190102.7	6.0	4.15	18.57	1.93	NO	
L0003493	0	0.42803E-05	652820.2	4190062.8	6.0	4.15	18.57	1.93	NO	
L0003494	0	0.42803E-05	652823.0	4190023.0	6.0	4.15	18.57	1.93	NO	
L0003495	0	0.42803E-05	652825.8	4189983.2	6.0	4.15	18.57	1.93	NO	
L0003496	0	0.42803E-05	652828.6	4189943.4	6.0	4.15	18.57	1.93	NO	

L0003497	0	0.42803E-05	652831.4	4189903.5	6.0	4.15	18.57	1.93	NO	
L0003498	0	0.42803E-05	652834.2	4189863.7	6.0	4.15	18.57	1.93	NO	
L0003499	0	0.42803E-05	652837.1	4189823.9	6.0	4.15	18.57	1.93	NO	
L0003500	0	0.42803E-05	652839.9	4189784.1	6.0	4.15	18.57	1.93	NO	
L0003501	0	0.42803E-05	652842.7	4189744.2	6.0	4.15	18.57	1.93	NO	
L0003502	0	0.42803E-05	652845.5	4189704.4	6.0	4.15	18.57	1.93	NO	
L0003503	0	0.42803E-05	652848.3	4189664.6	6.0	4.15	18.57	1.93	NO	
L0003504	0	0.42803E-05	652851.1	4189624.8	6.0	4.15	18.57	1.93	NO	
L0003505	0	0.42803E-05	652853.9	4189584.9	6.0	4.15	18.57	1.93	NO	
L0003506	0	0.42803E-05	652856.7	4189545.1	6.0	4.15	18.57	1.93	NO	
L0003507	0	0.42803E-05	652859.5	4189505.3	6.0	4.15	18.57	1.93	NO	
L0003508	0	0.42803E-05	652862.3	4189465.4	6.0	4.15	18.57	1.93	NO	
L0003509	0	0.42803E-05	652865.2	4189425.6	6.0	4.15	18.57	1.93	NO	
L0003510	0	0.42803E-05	652868.0	4189385.8	6.0	4.15	18.57	1.93	NO	
L0003511	0	0.42803E-05	652870.8	4189346.0	6.0	4.15	18.57	1.93	NO	
L0003512	0	0.42803E-05	652873.6	4189306.1	6.0	4.15	18.57	1.93	NO	
L0003513	0	0.42803E-05	652876.4	4189266.3	6.0	4.15	18.57	1.93	NO	
L0003514	0	0.42803E-05	652879.2	4189226.5	6.0	4.15	18.57	1.93	NO	
L0003515	0	0.42803E-05	652882.0	4189186.7	6.0	4.15	18.57	1.93	NO	
L0003516	0	0.42803E-05	652884.8	4189146.8	6.0	4.15	18.57	1.93	NO	
L0003517	0	0.42803E-05	652887.6	4189107.0	6.0	4.15	18.57	1.93	NO	
L0003518	0	0.42803E-05	652890.4	4189067.2	6.0	4.15	18.57	1.93	NO	
L0003519	0	0.42803E-05	652893.3	4189027.3	6.0	4.15	18.57	1.93	NO	
L0003520	0	0.42803E-05	652896.1	4188987.5	6.0	4.15	18.57	1.93	NO	
L0003521	0	0.42803E-05	652898.9	4188947.7	6.0	4.15	18.57	1.93	NO	
L0003522	0	0.42803E-05	652901.7	4188907.9	6.0	4.15	18.57	1.93	NO	
L0003523	0	0.42803E-05	652904.5	4188868.0	6.0	4.15	18.57	1.93	NO	
L0003524	0	0.42803E-05	652907.3	4188828.2	6.0	4.15	18.57	1.93	NO	
L0003525	0	0.42803E-05	652910.1	4188788.4	6.0	4.15	18.57	1.93	NO	

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**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003526	0	0.42803E-05	652912.9	4188748.6	6.0	4.15	18.57	1.93	NO	
L0003527	0	0.42803E-05	652915.7	4188708.7	6.0	4.15	18.57	1.93	NO	
L0003528	0	0.42803E-05	652918.5	4188668.9	6.0	4.15	18.57	1.93	NO	
L0003529	0	0.42803E-05	652921.4	4188629.1	6.0	4.15	18.57	1.93	NO	
L0003530	0	0.42803E-05	652924.2	4188589.3	6.0	4.15	18.57	1.93	NO	
L0003531	0	0.42803E-05	652927.0	4188549.4	6.0	4.15	18.57	1.93	NO	
L0003532	0	0.42803E-05	652929.8	4188509.6	6.0	4.15	18.57	1.93	NO	
L0003533	0	0.42803E-05	652932.6	4188469.8	6.0	4.15	18.57	1.93	NO	
L0003534	0	0.42803E-05	652935.4	4188429.9	6.0	4.15	18.57	1.93	NO	
L0003535	0	0.42803E-05	652938.2	4188390.1	6.0	4.15	18.57	1.93	NO	
L0003536	0	0.42803E-05	652942.4	4188373.7	6.0	4.15	18.57	1.93	NO	
L0003537	0	0.42803E-05	652944.2	4188413.2	6.0	4.15	18.57	1.93	NO	
L0003538	0	0.42803E-05	652941.4	4188453.0	6.0	4.15	18.57	1.93	NO	
L0003539	0	0.42803E-05	652938.6	4188492.9	6.0	4.15	18.57	1.93	NO	
L0003540	0	0.42803E-05	652935.8	4188532.7	6.0	4.15	18.57	1.93	NO	
L0003541	0	0.42803E-05	652932.9	4188572.5	6.0	4.15	18.57	1.93	NO	
L0003542	0	0.42803E-05	652930.1	4188612.4	6.0	4.15	18.57	1.93	NO	
L0003543	0	0.42803E-05	652927.3	4188652.2	6.0	4.15	18.57	1.93	NO	
L0003544	0	0.42803E-05	652924.5	4188692.0	6.0	4.15	18.57	1.93	NO	
L0003545	0	0.42803E-05	652921.7	4188731.8	6.0	4.15	18.57	1.93	NO	
L0003546	0	0.42803E-05	652918.8	4188771.7	6.0	4.15	18.57	1.93	NO	
L0003547	0	0.42803E-05	652916.0	4188811.5	6.0	4.15	18.57	1.93	NO	
L0003548	0	0.42803E-05	652913.2	4188851.3	6.0	4.15	18.57	1.93	NO	
L0003549	0	0.42803E-05	652910.4	4188891.1	6.0	4.15	18.57	1.93	NO	
L0003550	0	0.42803E-05	652907.6	4188931.0	6.0	4.15	18.57	1.93	NO	
L0003551	0	0.42803E-05	652904.7	4188970.8	6.0	4.15	18.57	1.93	NO	
L0003552	0	0.42803E-05	652901.9	4189010.6	6.0	4.15	18.57	1.93	NO	
L0003553	0	0.42803E-05	652899.1	4189050.4	6.0	4.15	18.57	1.93	NO	
L0003554	0	0.42803E-05	652896.3	4189090.3	6.0	4.15	18.57	1.93	NO	
L0003555	0	0.42803E-05	652893.5	4189130.1	6.0	4.15	18.57	1.93	NO	
L0003556	0	0.42803E-05	652890.6	4189169.9	6.0	4.15	18.57	1.93	NO	
L0003557	0	0.42803E-05	652887.8	4189209.7	6.0	4.15	18.57	1.93	NO	
L0003558	0	0.42803E-05	652885.0	4189249.6	6.0	4.15	18.57	1.93	NO	
L0003559	0	0.42803E-05	652882.2	4189289.4	6.0	4.15	18.57	1.93	NO	
L0003560	0	0.42803E-05	652879.4	4189329.2	6.0	4.15	18.57	1.93	NO	
L0003561	0	0.42803E-05	652876.6	4189369.1	6.0	4.15	18.57	1.93	NO	
L0003562	0	0.42803E-05	652873.7	4189408.9	6.0	4.15	18.57	1.93	NO	
L0003563	0	0.42803E-05	652870.9	4189448.7	6.0	4.15	18.57	1.93	NO	
L0003564	0	0.42803E-05	652868.1	4189488.5	6.0	4.15	18.57	1.93	NO	
L0003565	0	0.42803E-05	652865.3	4189528.4	6.0	4.15	18.57	1.93	NO	

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**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003566	0	0.42803E-05	652862.5	4189568.2	6.0	4.15	18.57	1.93	NO	
L0003567	0	0.42803E-05	652859.6	4189608.0	6.0	4.15	18.57	1.93	NO	
L0003568	0	0.42803E-05	652856.8	4189647.8	6.0	4.15	18.57	1.93	NO	
L0003569	0	0.42803E-05	652854.0	4189687.7	6.0	4.15	18.57	1.93	NO	
L0003570	0	0.42803E-05	652851.2	4189727.5	6.0	4.15	18.57	1.93	NO	
L0003571	0	0.42803E-05	652848.4	4189767.3	6.0	4.15	18.57	1.93	NO	
L0003572	0	0.42803E-05	652845.5	4189807.1	6.0	4.15	18.57	1.93	NO	
L0003573	0	0.42803E-05	652842.7	4189847.0	6.0	4.15	18.57	1.93	NO	
L0003574	0	0.42803E-05	652839.9	4189886.8	6.0	4.15	18.57	1.93	NO	
L0003575	0	0.42803E-05	652837.1	4189926.6	6.0	4.15	18.57	1.93	NO	
L0003576	0	0.42803E-05	652834.3	4189966.4	6.0	4.15	18.57	1.93	NO	
L0003577	0	0.42803E-05	652831.4	4190006.3	6.0	4.15	18.57	1.93	NO	
L0003578	0	0.42803E-05	652828.6	4190046.1	6.0	4.15	18.57	1.93	NO	

L0003579	0	0.42803E-05	652825.8	4190085.9	6.0	4.15	18.57	1.93	NO
L0003580	0	0.42803E-05	652823.0	4190125.8	6.0	4.15	18.57	1.93	NO
L0003581	0	0.42803E-05	652820.2	4190165.6	6.0	4.15	18.57	1.93	NO
L0003582	0	0.42803E-05	652817.3	4190205.4	6.0	4.15	18.57	1.93	NO
L0003583	0	0.42803E-05	652814.5	4190245.2	6.0	4.15	18.57	1.93	NO
L0003584	0	0.42803E-05	652811.7	4190285.1	6.0	4.15	18.57	1.93	NO
L0003585	0	0.42803E-05	652808.9	4190324.9	6.0	4.15	18.57	1.93	NO
L0003586	0	0.42803E-05	652806.1	4190364.7	6.0	4.15	18.57	1.93	NO
L0003587	0	0.42803E-05	652803.2	4190404.5	6.0	4.15	18.57	1.93	NO
L0003588	0	0.42803E-05	652800.4	4190444.4	6.0	4.15	18.57	1.93	NO
L0003589	0	0.42803E-05	652797.6	4190484.2	6.0	4.15	18.57	1.93	NO
L0003590	0	0.42803E-05	652794.8	4190524.0	6.0	4.15	18.57	1.93	NO
L0003591	0	0.42803E-05	652792.0	4190563.8	6.0	4.15	18.57	1.93	NO
L0003592	0	0.42803E-05	652789.2	4190603.7	6.0	4.15	18.57	1.93	NO
L0003593	0	0.42803E-05	652786.3	4190643.5	6.0	4.15	18.57	1.93	NO
L0003594	0	0.42803E-05	652783.5	4190683.3	6.0	4.15	18.57	1.93	NO
L0003595	0	0.42803E-05	652780.7	4190723.1	6.0	4.15	18.57	1.93	NO

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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SLINE4 L0002371 , L0002372 , L0002373 , L0002374 , L0002375 , L0002376 , L0002377 , L0002378 ,
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♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                        ***        06/14/12
                                    *** Lathrop Railyard Expansion                                       ***        16:41:19
                                                                                                                    PAGE  58
**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID                                                    SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                        ***        06/14/12
                                    *** Lathrop Railyard Expansion                                       ***        16:41:19
                                                                                                                    PAGE  59
**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID                                                    SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                  ***     06/14/12
                                    *** Lathrop Railyard Expansion                                                ***     16:41:19
                                                                                                                          PAGE  60
 **MODELOPTs:  NonDFAULT CONC                                        FLAT
                                                               NODRYDPLT NOWETDPLT

                                                 *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                       SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                  ***     06/14/12
                                    *** Lathrop Railyard Expansion                                                ***     16:41:19
                                                                                                                          PAGE  61
 **MODELOPTs:  NonDFAULT CONC                                        FLAT
                                                               NODRYDPLT NOWETDPLT

                                                 *** SOURCE IDs DEFINING SOURCE GROUPS ***

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
                                   *** Lathrop Railyard Expansion                                               ***        16:41:19
                                                                                                                           PAGE  62
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                          NODRYDPLT NOWETDPLT

                                                 *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                      SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
                                   *** Lathrop Railyard Expansion                                               ***        16:41:19
                                                                                                                           PAGE  63
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                          NODRYDPLT NOWETDPLT

                                                 *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                      SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                          PAGE  64
**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                       NODRYDPLT NOWETDPLT

                                            *** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                          PAGE  65
**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                       NODRYDPLT NOWETDPLT

                                            *** SOURCE IDs DEFINING SOURCE GROUPS ***

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♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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 **MODELOPTs:  NonDFAULT CONC                                FLAT
                                                   NODRYDPLT NOWETDPLT

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

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 **MODELOPTs:  NonDFAULT CONC                                FLAT
                                                   NODRYDPLT NOWETDPLT

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

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                                                     NODRYDPLT NOWETDPLT

                                             *** SOURCE IDs DEFINING SOURCE GROUPS ***

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                                                                                                                    PAGE  76
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                                                     NODRYDPLT NOWETDPLT

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                                                                                                                            PAGE  77
 **MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                      NODRYDPLT NOWETDPLT

                                              *** SOURCE IDs DEFINING SOURCE GROUPS ***

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                                    *** Lathrop Railyard Expansion                                               ***        16:41:19
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 **MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                      NODRYDPLT NOWETDPLT

                                              *** SOURCE IDs DEFINING SOURCE GROUPS ***

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♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 89
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                          ***     06/14/12
                                    *** Lathrop Railyard Expansion                                        ***     16:41:19
                                                                                                                  PAGE  90
 **MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                                  *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                SOURCE IDs
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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                          ***     06/14/12
                                    *** Lathrop Railyard Expansion                                        ***     16:41:19
                                                                                                                  PAGE  91
 **MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                                  *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                SOURCE IDs
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = L0002371		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002372		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002373		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002374		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002375		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01

13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0002376 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002377 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002378 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002379 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002380 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0002381 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002382 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002383 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002384 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002385 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

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 SOURCE ID = L0002386     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002387     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002388     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002389     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002390     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                         PAGE  97
 **MODELOPTs:  NonDFAULT CONC                                      FLAT
                                                         NODRYDPLT NOWETDPLT

                                * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002391     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002392     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002393     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002394     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002395     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                         PAGE  98
 **MODELOPTs:  NonDFAULT CONC                                      FLAT
                                                         NODRYDPLT NOWETDPLT

                                * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002396     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002397     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002398     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
```

7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002399 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002400 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0002401 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002402 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002403 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002404 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002405 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0002406 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002407 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002408 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002409 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002410 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01

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     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                             ***        06/14/12
                                    *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                        PAGE 101
 **MODELOPTs:   NonDFAULT CONC                                          FLAT
                                                              NODRYDPLT NOWETDPLT

                                 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002411     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002412     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002413     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002414     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002415     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                             ***        06/14/12
                                    *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                        PAGE 102
 **MODELOPTs:   NonDFAULT CONC                                          FLAT
                                                              NODRYDPLT NOWETDPLT

                                 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002416     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002417     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002418     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002419     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002420     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                             ***        06/14/12
                                    *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                        PAGE 103
 **MODELOPTs:   NonDFAULT CONC                                          FLAT
                                                              NODRYDPLT NOWETDPLT

                                 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002421     ; SOURCE TYPE = VOLUME    :
```

```
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002422     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002423     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002424     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002425     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                             ***        06/14/12
                                    *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                        PAGE 104
 **MODELOPTs:  NonDFAULT CONC                                        FLAT
                                                            NODRYDPLT NOWETDPLT

                                 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002426     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002427     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002428     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002429     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002430     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                             ***        06/14/12
                                    *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                        PAGE 105
 **MODELOPTs:  NonDFAULT CONC                                        FLAT
                                                            NODRYDPLT NOWETDPLT

                                 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002431     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002432     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002433     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
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13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002434 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002435 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0002436 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002437 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002438 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002439 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002440 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.10000E+01	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002441 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002442 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002443 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002444 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002445 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                             ***        06/14/12
                                    *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                        PAGE 108
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002446     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002447     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002448     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002449     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002450     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                             ***        06/14/12
                                    *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                        PAGE 109
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002451     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002452     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002453     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002454     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002455     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                             ***        06/14/12
                                    *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                        PAGE 110
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002456     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
```

```
       7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
      13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
      19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0002457      ; SOURCE TYPE = VOLUME    :
       1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
       7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
      13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
      19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0002458      ; SOURCE TYPE = VOLUME    :
       1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
       7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
      13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
      19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0002459      ; SOURCE TYPE = VOLUME    :
       1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
       7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
      13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
      19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0002460      ; SOURCE TYPE = VOLUME    :
       1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
       7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
      13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
      19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                 ***        06/14/12
                                    *** Lathrop Railyard Expansion                                               ***        16:41:19
                                                                                                                            PAGE 111
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                         NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002461      ; SOURCE TYPE = VOLUME    :
       1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
       7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
      13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
      19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0002462      ; SOURCE TYPE = VOLUME    :
       1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
       7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
      13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
      19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0002463      ; SOURCE TYPE = VOLUME    :
       1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
       7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
      13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
      19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0002464      ; SOURCE TYPE = VOLUME    :
       1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
       7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
      13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
      19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0012371      ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                 ***        06/14/12
                                    *** Lathrop Railyard Expansion                                               ***        16:41:19
                                                                                                                            PAGE 112
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                         NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012372      ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012373      ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012374      ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
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19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012375 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012376 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0012377 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012378 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012379 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012380 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012381 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0012382 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012383 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012384 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012385 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012386 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012387 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012388 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012389 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012390 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012391 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012392 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012393 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012394 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012395 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012396 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 117
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012397 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00

```
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012398     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012399     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012400     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012401     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                     *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                           PAGE 118
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012402     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012403     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012404     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012405     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012406     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                     *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                           PAGE 119
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012407     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012408     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012409     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
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 SOURCE ID = L0012410      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012411      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
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                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0012412      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012413      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012414      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012415      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012416      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
```



```
                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0012417      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012418      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012419      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012420      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012421      ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
```

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012422 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012423 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012424 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012425 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012426 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012427 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012428 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012429 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012430 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012431 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012432 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00

19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012433 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012434 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012435 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012436 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0012437 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012438 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012439 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012440 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012441 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0012442 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012443 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012444 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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 SOURCE ID = L0012445     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012446     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
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 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                                     * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012447     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012448     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012449     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012450     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012451     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                         PAGE 128
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                                     * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012452     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012453     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012454     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012455     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012456     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
```

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**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


SOURCE ID = L0012457     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

SOURCE ID = L0012458     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

SOURCE ID = L0012459     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

SOURCE ID = L0012460     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

SOURCE ID = L0012461     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                            ***        06/14/12
                                    *** Lathrop Railyard Expansion                                          ***        16:41:19
                                                                                                                       PAGE 130
**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


SOURCE ID = L0012462     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

SOURCE ID = L0012463     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

SOURCE ID = L0012464     ; SOURCE TYPE = VOLUME     :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

SOURCE ID = L0002465     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

SOURCE ID = L0002466     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                            ***        06/14/12
                                    *** Lathrop Railyard Expansion                                          ***        16:41:19
                                                                                                                       PAGE 131
**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


SOURCE ID = L0002467     ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
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 SOURCE ID = L0002468     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002469     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002470     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002471     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                         ***        06/14/12
                                    *** Lathrop Railyard Expansion                                       ***        16:41:19
                                                                                                                    PAGE 132
 **MODELOPTs:  NonDFAULT CONC                                  FLAT
                                                     NODRYDPLT NOWETDPLT

                               * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0002472     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002473     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002474     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002475     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002476     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                         ***        06/14/12
                                    *** Lathrop Railyard Expansion                                       ***        16:41:19
                                                                                                                    PAGE 133
 **MODELOPTs:  NonDFAULT CONC                                  FLAT
                                                     NODRYDPLT NOWETDPLT

                               * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0002477     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002478     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002479     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
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SOURCE ID = L0002480     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

SOURCE ID = L0002481     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
```

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                          ***        06/14/12
                                    *** Lathrop Railyard Expansion                                        ***        16:41:19
                                                                                                                     PAGE 134
**MODELOPTs:  NonDFAULT CONC                              FLAT
                                                NODRYDPLT NOWETDPLT

                      * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


SOURCE ID = L0002482     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

SOURCE ID = L0002483     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

SOURCE ID = L0002484     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

SOURCE ID = L0002485     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

SOURCE ID = L0002486     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                          ***        06/14/12
                                    *** Lathrop Railyard Expansion                                        ***        16:41:19
                                                                                                                     PAGE 135
**MODELOPTs:  NonDFAULT CONC                              FLAT
                                                NODRYDPLT NOWETDPLT

                      * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


SOURCE ID = L0002487     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

SOURCE ID = L0002488     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

SOURCE ID = L0002489     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

SOURCE ID = L0002490     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

SOURCE ID = L0002491     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                          ***        06/14/12
                                    *** Lathrop Railyard Expansion                                        ***        16:41:19
                                                                                                                     PAGE 136
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = L0002492	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002493	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002494	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002495	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002496	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = L0002497	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002498	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002499	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002500	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002501	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = L0002502	; SOURCE TYPE = VOLUME	:									
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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 SOURCE ID = L0002503     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002504     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002505     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002506     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                     *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                          PAGE 139
 **MODELOPTs:   NonDFAULT CONC                                      FLAT
                                                          NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002507     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002508     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002509     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002510     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002511     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                     *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                          PAGE 140
 **MODELOPTs:   NonDFAULT CONC                                      FLAT
                                                          NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002512     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002513     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002514     ; SOURCE TYPE = VOLUME    :
      1  .00000E+00      2  .00000E+00      3  .00000E+00      4  .00000E+00      5  .00000E+00      6  .00000E+00
      7  .10000E+01      8  .10000E+01      9  .10000E+01     10  .10000E+01     11  .10000E+01     12  .10000E+01
     13  .10000E+01     14  .10000E+01     15  .10000E+01     16  .10000E+01     17  .10000E+01     18  .10000E+01
     19  .00000E+00     20  .00000E+00     21  .00000E+00     22  .00000E+00     23  .00000E+00     24  .00000E+00


 SOURCE ID = L0002515     ; SOURCE TYPE = VOLUME    :
```

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002516 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002517 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002518 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002519 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002520 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002521 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002522 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002523 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002524 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002525 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002526 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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**MODELOPTs: NonDFAULT CONC FLAT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = L0002527	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002528	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002529	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002530	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002531	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = L0002532	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002533	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002534	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002535	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0002536	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = L0002537	; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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 SOURCE ID = L0002538     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002539     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002540     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002541     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                         PAGE 146
 **MODELOPTs:  NonDFAULT CONC                                  FLAT
                                                    NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0002542     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002543     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002544     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002545     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002546     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                         PAGE 147
 **MODELOPTs:  NonDFAULT CONC                                  FLAT
                                                    NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0002547     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002548     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0002549     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00

 SOURCE ID = L0012465     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
```

7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012466 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0012467 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012468 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012469 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012470 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012471 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0012472 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012473 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012474 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012475 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012476 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0012477 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012478 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012479 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012480 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012481 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0012482 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012483 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012484 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012485 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012486 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0012487 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012488 ; SOURCE TYPE = VOLUME :

```
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012489    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012490    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012491    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                   ***        06/14/12
                                    *** Lathrop Railyard Expansion                                                ***        16:41:19
                                                                                                                             PAGE 153
 **MODELOPTs:  NonDFAULT CONC                                      FLAT
                                                          NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR        HOUR     SCALAR        HOUR     SCALAR        HOUR     SCALAR        HOUR     SCALAR        HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012492    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012493    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012494    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012495    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012496    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                   ***        06/14/12
                                    *** Lathrop Railyard Expansion                                                ***        16:41:19
                                                                                                                             PAGE 154
 **MODELOPTs:  NonDFAULT CONC                                      FLAT
                                                          NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR        HOUR     SCALAR        HOUR     SCALAR        HOUR     SCALAR        HOUR     SCALAR        HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012497    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012498    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012499    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012500    ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
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     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012501     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 155
 **MODELOPTs:  NonDFAULT CONC                                         FLAT
                                                            NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012502     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012503     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012504     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012505     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012506     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 156
 **MODELOPTs:  NonDFAULT CONC                                         FLAT
                                                            NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012507     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012508     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012509     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012510     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012511     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 157
 **MODELOPTs:  NonDFAULT CONC                                         FLAT
                                                            NODRYDPLT NOWETDPLT
```

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012512 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012513 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012514 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012515 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012516 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012517 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012518 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012519 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012520 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012521 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012522 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012523 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01

```
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012524     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012525     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012526     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                 ***        06/14/12
                                    *** Lathrop Railyard Expansion                                              ***        16:41:19
                                                                                                                            PAGE 160
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012527     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012528     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012529     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012530     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012531     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                 ***        06/14/12
                                    *** Lathrop Railyard Expansion                                              ***        16:41:19
                                                                                                                            PAGE 161
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012532     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012533     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012534     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
      19    .10000E+01     20    .10000E+01     21    .10000E+01     22    .10000E+01     23    .10000E+01     24    .10000E+01


 SOURCE ID = L0012535     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01      2    .10000E+01      3    .10000E+01      4    .10000E+01      5    .10000E+01      6    .10000E+01
       7    .00000E+00      8    .00000E+00      9    .00000E+00     10    .00000E+00     11    .00000E+00     12    .00000E+00
      13    .00000E+00     14    .00000E+00     15    .00000E+00     16    .00000E+00     17    .00000E+00     18    .00000E+00
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     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012536     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***          06/14/12
                                     *** Lathrop Railyard Expansion                                              ***          16:41:19
                                                                                                                              PAGE 162
 **MODELOPTs:  NonDFAULT CONC                                           FLAT
                                                              NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012537     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012538     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012539     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012540     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012541     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***          06/14/12
                                     *** Lathrop Railyard Expansion                                              ***          16:41:19
                                                                                                                              PAGE 163
 **MODELOPTs:  NonDFAULT CONC                                           FLAT
                                                              NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012542     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012543     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012544     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012545     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012546     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***          06/14/12
                                     *** Lathrop Railyard Expansion                                              ***          16:41:19
                                                                                                                              PAGE 164
 **MODELOPTs:  NonDFAULT CONC                                           FLAT
                                                              NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *
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HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

SOURCE ID = L0012547 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012548 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012549 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0002897 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002898 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
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SOURCE ID = L0002899 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002900 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002901 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002902 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002903 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 166
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0002904 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002905 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01

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     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002906      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002907      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002908      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                         ***        06/14/12
                                    *** Lathrop Railyard Expansion                                       ***        16:41:19
                                                                                                                    PAGE 167
 **MODELOPTs:  NonDFAULT CONC                                         FLAT
                                                            NODRYDPLT NOWETDPLT

                                 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
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 SOURCE ID = L0002909      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002910      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002911      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002912      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002913      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                         ***        06/14/12
                                    *** Lathrop Railyard Expansion                                       ***        16:41:19
                                                                                                                    PAGE 168
 **MODELOPTs:  NonDFAULT CONC                                         FLAT
                                                            NODRYDPLT NOWETDPLT

                                 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
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 SOURCE ID = L0002914      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002915      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002916      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0002917      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
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SOURCE ID = L0002918 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0002919 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002920 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002921 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002922 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002923 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0002924 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002925 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002926 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002927 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002928 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0002929 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002930 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002931 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002932 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002933 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0002934 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002935 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002936 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002937 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002938 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0002939 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002940 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01

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    19    .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002941      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002942      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002943      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                   ***        06/14/12
                                     *** Lathrop Railyard Expansion                                                 ***        16:41:19
                                                                                                                               PAGE 174
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                             NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002944      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002945      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002946      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002947      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002948      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                   ***        06/14/12
                                     *** Lathrop Railyard Expansion                                                 ***        16:41:19
                                                                                                                               PAGE 175
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                             NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002949      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002950      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002951      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00


 SOURCE ID = L0002952      ; SOURCE TYPE = VOLUME     :
      1   .00000E+00       2    .00000E+00       3    .00000E+00       4    .00000E+00       5    .00000E+00       6    .00000E+00
      7   .10000E+01       8    .10000E+01       9    .10000E+01      10    .10000E+01      11    .10000E+01      12    .10000E+01
     13   .10000E+01      14    .10000E+01      15    .10000E+01      16    .10000E+01      17    .10000E+01      18    .10000E+01
     19   .00000E+00      20    .00000E+00      21    .00000E+00      22    .00000E+00      23    .00000E+00      24    .00000E+00
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 SOURCE ID = L0002953     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                     *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                           PAGE 176
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                             NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002954     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002955     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002956     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002957     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002958     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                     *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                           PAGE 177
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                             NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002959     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002960     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002961     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002962     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002963     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                     *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                           PAGE 178
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                             NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
```

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002964     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002965     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002966     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002967     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002968     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                         PAGE 179
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002969     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002970     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002971     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002972     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002973     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                         PAGE 180
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0002974     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0002975     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
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 SOURCE ID = L0012897     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01

 SOURCE ID = L0012898     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01

 SOURCE ID = L0012899     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                          ***        06/14/12
                                    *** Lathrop Railyard Expansion                                       ***        16:41:19
                                                                                                                     PAGE 181
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                              NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0012900     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01

 SOURCE ID = L0012901     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01

 SOURCE ID = L0012902     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01

 SOURCE ID = L0012903     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01

 SOURCE ID = L0012904     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                          ***        06/14/12
                                    *** Lathrop Railyard Expansion                                       ***        16:41:19
                                                                                                                     PAGE 182
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                              NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0012905     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01

 SOURCE ID = L0012906     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01

 SOURCE ID = L0012907     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01

 SOURCE ID = L0012908     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01
```

SOURCE ID = L0012909 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0012910 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012911 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012912 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012913 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012914 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0012915 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012916 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012917 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012918 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012919 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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 SOURCE ID = L0012920     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012921     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012922     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012923     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012924     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                         PAGE 186
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
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 SOURCE ID = L0012925     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012926     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012927     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012928     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012929     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                    *** Lathrop Railyard Expansion                                            ***        16:41:19
                                                                                                                         PAGE 187
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
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 SOURCE ID = L0012930     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012931     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
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SOURCE ID = L0012932 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012933 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012934 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0012935 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012936 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012937 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012938 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012939 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0012940 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012941 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012942 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012943 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012944 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
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SOURCE ID = L0012945 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012946 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012947 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012948 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012949 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0012950 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012951 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012952 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012953 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012954 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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 SOURCE ID = L0012955      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01

 SOURCE ID = L0012956      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01

 SOURCE ID = L0012957      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01

 SOURCE ID = L0012958      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01

 SOURCE ID = L0012959      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 193
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
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-

 SOURCE ID = L0012960      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01

 SOURCE ID = L0012961      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01

 SOURCE ID = L0012962      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01

 SOURCE ID = L0012963      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01

 SOURCE ID = L0012964      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 194
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
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 SOURCE ID = L0012965      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01

 SOURCE ID = L0012966      ; SOURCE TYPE = VOLUME    :
       1   .10000E+01       2   .10000E+01       3   .10000E+01       4   .10000E+01       5   .10000E+01       6   .10000E+01
       7   .00000E+00       8   .00000E+00       9   .00000E+00      10   .00000E+00      11   .00000E+00      12   .00000E+00
      13   .00000E+00      14   .00000E+00      15   .00000E+00      16   .00000E+00      17   .00000E+00      18   .00000E+00
      19   .10000E+01      20   .10000E+01      21   .10000E+01      22   .10000E+01      23   .10000E+01      24   .10000E+01
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 SOURCE ID = L0012967     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012968     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012969     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                            ***        06/14/12
                                    *** Lathrop Railyard Expansion                                          ***        16:41:19
                                                                                                                       PAGE 195
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
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 SOURCE ID = L0012970     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012971     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012972     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012973     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0012974     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                            ***        06/14/12
                                    *** Lathrop Railyard Expansion                                          ***        16:41:19
                                                                                                                       PAGE 196
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0012975     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 SOURCE ID = L0002976     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
       7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
      13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
      19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0002977     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
       7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
      13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
      19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0002978     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
       7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
      13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
      19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0002979     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
```

7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0002980 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002981 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002982 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002983 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002984 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0002985 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002986 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002987 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002988 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002989 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0002990 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002991 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002992 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002993 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002994 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002995 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002996 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002997 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002998 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002999 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003000 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003001 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003002 ; SOURCE TYPE = VOLUME :

```
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003003     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003004     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                              ***        16:41:19
                                                                                                                           PAGE 202
 **MODELOPTs:  NonDFAULT CONC                                      FLAT
                                                         NODRYDPLT NOWETDPLT

                                * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003005     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003006     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003007     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003008     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003009     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                              ***        16:41:19
                                                                                                                           PAGE 203
 **MODELOPTs:  NonDFAULT CONC                                      FLAT
                                                         NODRYDPLT NOWETDPLT

                                * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003010     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003011     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003012     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003013     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003014     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
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     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 204
 **MODELOPTS:  NonDFAULT CONC                                       FLAT
                                                            NODRYDPLT NOWETDPLT

                             * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003015     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003016     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003017     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003018     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003019     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 205
 **MODELOPTS:  NonDFAULT CONC                                       FLAT
                                                            NODRYDPLT NOWETDPLT

                             * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003020     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003021     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003022     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003023     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003024     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 206
 **MODELOPTS:  NonDFAULT CONC                                       FLAT
                                                            NODRYDPLT NOWETDPLT

                             * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 SOURCE ID = L0003025     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003026     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003027     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003028     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003029     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 207
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003030     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003031     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003032     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003033     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003034     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 208
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                          NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003035     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003036     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
       7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
      13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
      19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003037     ; SOURCE TYPE = VOLUME    :
       1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
```

7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003038 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003039 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0003040 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003041 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003042 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003043 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003044 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0003045 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003046 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003047 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003048 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003049 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01

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     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
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 *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                    ***        06/14/12
                                   *** Lathrop Railyard Expansion                                  ***        16:41:19
                                                                                                              PAGE 211
 **MODELOPTs:  NonDFAULT CONC                                  FLAT
                                                      NODRYDPLT NOWETDPLT

                             * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003050     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003051     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003052     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003053     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003054     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
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 *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                    ***        06/14/12
                                   *** Lathrop Railyard Expansion                                  ***        16:41:19
                                                                                                              PAGE 212
 **MODELOPTs:  NonDFAULT CONC                                  FLAT
                                                      NODRYDPLT NOWETDPLT

                             * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003055     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003056     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003057     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003058     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00

 SOURCE ID = L0003059     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
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 *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                    ***        06/14/12
                                   *** Lathrop Railyard Expansion                                  ***        16:41:19
                                                                                                              PAGE 213
 **MODELOPTs:  NonDFAULT CONC                                  FLAT
                                                      NODRYDPLT NOWETDPLT

                             * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR      HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003060     ; SOURCE TYPE = VOLUME    :
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      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003061     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003062     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003063     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003064     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 214
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                           NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 SOURCE ID = L0003065     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003066     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003067     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003068     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003069     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 215
 **MODELOPTs:  NonDFAULT CONC                                       FLAT
                                                           NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
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 SOURCE ID = L0003070     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003071     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .00000E+00     20   .00000E+00     21   .00000E+00     22   .00000E+00     23   .00000E+00     24   .00000E+00


 SOURCE ID = L0003072     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00      2   .00000E+00      3   .00000E+00      4   .00000E+00      5   .00000E+00      6   .00000E+00
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
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13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003073 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003074 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0003075 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003076 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003077 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003078 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003079 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

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SOURCE ID = L0003080 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003081 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003082 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003083 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003084 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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SOURCE ID = L0003085 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003086 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003087 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003088 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003089 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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SOURCE ID = L0003090 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003091 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003092 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003093 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0003094 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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SOURCE ID = L0003095 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00

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      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003096     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003097     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003098     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003099     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                           ***        06/14/12
                                    *** Lathrop Railyard Expansion                                          ***        16:41:19
                                                                                                                       PAGE 221
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003100     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003101     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003102     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003103     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003104     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                           ***        06/14/12
                                    *** Lathrop Railyard Expansion                                          ***        16:41:19
                                                                                                                       PAGE 222
 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                        NODRYDPLT NOWETDPLT

                                 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003105     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003106     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
     19   .00000E+00    20   .00000E+00    21   .00000E+00    22   .00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0003107     ; SOURCE TYPE = VOLUME    :
      1   .00000E+00     2   .00000E+00     3   .00000E+00     4   .00000E+00     5   .00000E+00     6   .00000E+00
      7   .10000E+01     8   .10000E+01     9   .10000E+01    10   .10000E+01    11   .10000E+01    12   .10000E+01
     13   .10000E+01    14   .10000E+01    15   .10000E+01    16   .10000E+01    17   .10000E+01    18   .10000E+01
```

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     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003108     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003109     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                 ***        06/14/12
                                    *** Lathrop Railyard Expansion                                               ***        16:41:19
                                                                                                                            PAGE 223
 **MODELOPTs:  NonDFAULT CONC                                        FLAT
                                                           NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003110     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003111     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003112     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003113     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003114     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                 ***        06/14/12
                                    *** Lathrop Railyard Expansion                                               ***        16:41:19
                                                                                                                            PAGE 224
 **MODELOPTs:  NonDFAULT CONC                                        FLAT
                                                           NODRYDPLT NOWETDPLT

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0003115     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003116     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003117     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003118     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00


 SOURCE ID = L0003119     ; SOURCE TYPE = VOLUME    :
      1    .00000E+00      2    .00000E+00      3    .00000E+00      4    .00000E+00      5    .00000E+00      6    .00000E+00
      7    .10000E+01      8    .10000E+01      9    .10000E+01     10    .10000E+01     11    .10000E+01     12    .10000E+01
     13    .10000E+01     14    .10000E+01     15    .10000E+01     16    .10000E+01     17    .10000E+01     18    .10000E+01
     19    .00000E+00     20    .00000E+00     21    .00000E+00     22    .00000E+00     23    .00000E+00     24    .00000E+00
```

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0003120 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0012976 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012977 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012978 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012979 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012980 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012981 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012982 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012983 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012984 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0012985 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00

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      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012986     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012987     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012988     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012989     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                          ***        06/14/12
                                     *** Lathrop Railyard Expansion                                        ***        16:41:19
                                                                                                                      PAGE 228
 **MODELOPTs:   NonDFAULT CONC                                         FLAT
                                                             NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012990     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012991     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012992     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012993     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012994     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                          ***        06/14/12
                                     *** Lathrop Railyard Expansion                                        ***        16:41:19
                                                                                                                      PAGE 229
 **MODELOPTs:   NonDFAULT CONC                                         FLAT
                                                             NODRYDPLT NOWETDPLT

                                    * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR       HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0012995     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012996     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0012997     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
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SOURCE ID = L0012998 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0012999 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0013000 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013001 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013002 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013003 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013004 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0013005 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013006 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013007 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013008 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013009 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0013010     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0013011     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0013012     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0013013     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0013014     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                   ***        06/14/12
                                    *** Lathrop Railyard Expansion                                                 ***        16:41:19
                                                                                                                              PAGE 233
**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0013015     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0013016     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0013017     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0013018     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


 SOURCE ID = L0013019     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
      19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                   ***        06/14/12
                                    *** Lathrop Railyard Expansion                                                 ***        16:41:19
                                                                                                                              PAGE 234
**MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0013020     ; SOURCE TYPE = VOLUME    :
       1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
       7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
      13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
```

19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013021 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013022 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013023 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013024 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0013025 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013026 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013027 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013028 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013029 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = L0013030 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013031 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013032 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

```
 SOURCE ID = L0013033     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01


 SOURCE ID = L0013034     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                 ***        06/14/12
                                   *** Lathrop Railyard Expansion                                               ***        16:41:19
                                                                                                                           PAGE 237
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                             NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0013035     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01


 SOURCE ID = L0013036     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01


 SOURCE ID = L0013037     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01


 SOURCE ID = L0013038     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01


 SOURCE ID = L0013039     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                 ***        06/14/12
                                   *** Lathrop Railyard Expansion                                               ***        16:41:19
                                                                                                                           PAGE 238
 **MODELOPTs:  NonDFAULT CONC                                          FLAT
                                                             NODRYDPLT NOWETDPLT

                                   * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


 SOURCE ID = L0013040     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01


 SOURCE ID = L0013041     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01


 SOURCE ID = L0013042     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01


 SOURCE ID = L0013043     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01


 SOURCE ID = L0013044     ; SOURCE TYPE = VOLUME     :
       1   .10000E+01     2   .10000E+01     3   .10000E+01     4   .10000E+01     5   .10000E+01     6   .10000E+01
       7   .00000E+00     8   .00000E+00     9   .00000E+00    10   .00000E+00    11   .00000E+00    12   .00000E+00
      13   .00000E+00    14   .00000E+00    15   .00000E+00    16   .00000E+00    17   .00000E+00    18   .00000E+00
      19   .10000E+01    20   .10000E+01    21   .10000E+01    22   .10000E+01    23   .10000E+01    24   .10000E+01
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                                 ***        06/14/12
                                   *** Lathrop Railyard Expansion                                               ***        16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0013045 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013046 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013047 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013048 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013049 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0013050 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013051 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013052 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013053 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013054 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0013055 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

```
 SOURCE ID = L0013056     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01

 SOURCE ID = L0013057     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01

 SOURCE ID = L0013058     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01

 SOURCE ID = L0013059     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                     *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                         PAGE 242
 **MODELOPTs:  NonDFAULT CONC                                        FLAT
                                                          NODRYDPLT NOWETDPLT

                                     * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0013060     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01

 SOURCE ID = L0013061     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01

 SOURCE ID = L0013062     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01

 SOURCE ID = L0013063     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01

 SOURCE ID = L0013064     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01
♀ *** AERMOD - VERSION  12060 ***    *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                     *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                         PAGE 243
 **MODELOPTs:  NonDFAULT CONC                                        FLAT
                                                          NODRYDPLT NOWETDPLT

                                     * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

     HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR       HOUR     SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-

 SOURCE ID = L0013065     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01

 SOURCE ID = L0013066     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01

 SOURCE ID = L0013067     ; SOURCE TYPE = VOLUME    :
       1    .10000E+01     2    .10000E+01     3    .10000E+01     4    .10000E+01     5    .10000E+01     6    .10000E+01
       7    .00000E+00     8    .00000E+00     9    .00000E+00    10    .00000E+00    11    .00000E+00    12    .00000E+00
      13    .00000E+00    14    .00000E+00    15    .00000E+00    16    .00000E+00    17    .00000E+00    18    .00000E+00
      19    .10000E+01    20    .10000E+01    21    .10000E+01    22    .10000E+01    23    .10000E+01    24    .10000E+01
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SOURCE ID = L0013068 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013069 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

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SOURCE ID = L0013070 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013071 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013072 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013073 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013074 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

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SOURCE ID = L0013075 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013076 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013077 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013078 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013079 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0013080 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013081 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013082 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013083 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013084 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0013085 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013086 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013087 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013088 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013089 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0013090 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013091 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013092 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013093 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013094 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0013095 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013096 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013097 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013098 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013099 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0013100 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013101 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013102 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013103 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013104 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

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SOURCE ID = L0013105 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013106 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013107 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013108 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013109 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0013110 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013111 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013112 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013113 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = L0013114 ; SOURCE TYPE = VOLUME :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.00000E+00	8	.00000E+00	9	.00000E+00	10	.00000E+00	11	.00000E+00	12	.00000E+00
13	.00000E+00	14	.00000E+00	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT

Lathrop4b
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

```
    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


SOURCE ID = L0013115     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


SOURCE ID = L0013116     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


SOURCE ID = L0013117     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


SOURCE ID = L0013118     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


SOURCE ID = L0013119     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
```


**MODELOPTs: NonDFAULT CONC   FLAT
NODRYDPLT NOWETDPLT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

```
    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
-


SOURCE ID = L0013120     ; SOURCE TYPE = VOLUME    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .00000E+00      8   .00000E+00      9   .00000E+00     10   .00000E+00     11   .00000E+00     12   .00000E+00
     13   .00000E+00     14   .00000E+00     15   .00000E+00     16   .00000E+00     17   .00000E+00     18   .00000E+00
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01
```


**MODELOPTs: NonDFAULT CONC   FLAT
NODRYDPLT NOWETDPLT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
    ( 652934.6, 4188159.8,       6.0,       6.0,       0.0);        ( 652891.8, 4188749.6,       6.0,       6.0,       0.0);
    ( 652898.6, 4188748.6,       6.0,       6.0,       0.0);        ( 652730.7, 4191196.3,       6.0,       6.0,       0.0);
    ( 653028.1, 4191206.0,       6.0,       6.0,       0.0);        ( 653168.2, 4189206.0,       6.0,       6.0,       0.0);
    ( 653262.6, 4189205.0,       6.0,       6.0,       0.0);        ( 653289.9, 4188796.3,       6.0,       6.0,       0.0);
    ( 653273.8, 4188795.3,       6.0,       6.0,       0.0);        ( 653278.7, 4188701.9,       6.0,       6.0,       0.0);
    ( 653231.5, 4188709.2,       6.0,       6.0,       0.0);        ( 653231.9, 4188697.5,       6.0,       6.0,       0.0);
    ( 653205.2, 4188697.0,       6.0,       6.0,       0.0);        ( 653253.4, 4188006.5,       6.0,       6.0,       0.0);
    ( 653168.7, 4188005.5,       6.0,       6.0,       0.0);        ( 653158.5, 4188015.3,       6.0,       6.0,       0.0);
    ( 653154.6, 4188111.1,       6.0,       6.0,       0.0);        ( 653138.0, 4188112.1,       6.0,       6.0,       0.0);
    ( 653136.6, 4188089.2,       6.0,       6.0,       0.0);        ( 653070.9, 4188087.3,       6.0,       6.0,       0.0);
    ( 653060.7, 4188096.5,       6.0,       6.0,       0.0);        ( 653048.5, 4188105.8,       6.0,       6.0,       0.0);
    ( 653034.9, 4188105.8,       6.0,       6.0,       0.0);        ( 653031.9, 4188160.3,       6.0,       6.0,       0.0);
    ( 652932.8, 4188184.4,       6.0,       6.0,       0.0);        ( 652931.1, 4188208.9,       6.0,       6.0,       0.0);
    ( 652929.3, 4188233.5,       6.0,       6.0,       0.0);        ( 652927.5, 4188258.1,       6.0,       6.0,       0.0);
    ( 652925.7, 4188282.7,       6.0,       6.0,       0.0);        ( 652923.9, 4188307.2,       6.0,       6.0,       0.0);
    ( 652922.1, 4188331.8,       6.0,       6.0,       0.0);        ( 652920.4, 4188356.4,       6.0,       6.0,       0.0);
    ( 652918.6, 4188381.0,       6.0,       6.0,       0.0);        ( 652916.8, 4188405.5,       6.0,       6.0,       0.0);
    ( 652915.0, 4188430.1,       6.0,       6.0,       0.0);        ( 652913.2, 4188454.7,       6.0,       6.0,       0.0);
    ( 652911.4, 4188479.2,       6.0,       6.0,       0.0);        ( 652909.6, 4188503.8,       6.0,       6.0,       0.0);
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(652907.9, 4188528.4,	6.0,	6.0,	0.0);	(652906.1, 4188553.0,	6.0,	6.0,	0.0);
(652904.3, 4188577.5,	6.0,	6.0,	0.0);	(652902.5, 4188602.1,	6.0,	6.0,	0.0);
(652900.7, 4188626.7,	6.0,	6.0,	0.0);	(652898.9, 4188651.3,	6.0,	6.0,	0.0);
(652897.2, 4188675.8,	6.0,	6.0,	0.0);	(652895.4, 4188700.4,	6.0,	6.0,	0.0);
(652893.6, 4188725.0,	6.0,	6.0,	0.0);	(652896.9, 4188773.3,	6.0,	6.0,	0.0);
(652895.2, 4188798.0,	6.0,	6.0,	0.0);	(652893.5, 4188822.8,	6.0,	6.0,	0.0);
(652891.8, 4188847.5,	6.0,	6.0,	0.0);	(652890.1, 4188872.2,	6.0,	6.0,	0.0);
(652888.4, 4188896.9,	6.0,	6.0,	0.0);	(652886.7, 4188921.7,	6.0,	6.0,	0.0);
(652885.0, 4188946.4,	6.0,	6.0,	0.0);	(652883.4, 4188971.1,	6.0,	6.0,	0.0);
(652881.7, 4188995.8,	6.0,	6.0,	0.0);	(652880.0, 4189020.6,	6.0,	6.0,	0.0);
(652878.3, 4189045.3,	6.0,	6.0,	0.0);	(652876.6, 4189070.0,	6.0,	6.0,	0.0);
(652874.9, 4189094.7,	6.0,	6.0,	0.0);	(652873.2, 4189119.5,	6.0,	6.0,	0.0);
(652871.5, 4189144.2,	6.0,	6.0,	0.0);	(652869.8, 4189168.9,	6.0,	6.0,	0.0);
(652868.1, 4189193.6,	6.0,	6.0,	0.0);	(652866.4, 4189218.4,	6.0,	6.0,	0.0);
(652864.7, 4189243.1,	6.0,	6.0,	0.0);	(652863.0, 4189267.8,	6.0,	6.0,	0.0);
(652861.3, 4189292.5,	6.0,	6.0,	0.0);	(652859.6, 4189317.3,	6.0,	6.0,	0.0);
(652857.9, 4189342.0,	6.0,	6.0,	0.0);	(652856.2, 4189366.7,	6.0,	6.0,	0.0);
(652854.5, 4189391.4,	6.0,	6.0,	0.0);	(652852.8, 4189416.1,	6.0,	6.0,	0.0);
(652851.1, 4189440.9,	6.0,	6.0,	0.0);	(652849.4, 4189465.6,	6.0,	6.0,	0.0);
(652847.7, 4189490.3,	6.0,	6.0,	0.0);	(652846.0, 4189515.0,	6.0,	6.0,	0.0);
(652844.4, 4189539.8,	6.0,	6.0,	0.0);	(652842.7, 4189564.5,	6.0,	6.0,	0.0);
(652841.0, 4189589.2,	6.0,	6.0,	0.0);	(652839.3, 4189613.9,	6.0,	6.0,	0.0);
(652837.6, 4189638.7,	6.0,	6.0,	0.0);	(652835.9, 4189663.4,	6.0,	6.0,	0.0);
(652834.2, 4189688.1,	6.0,	6.0,	0.0);	(652832.5, 4189712.8,	6.0,	6.0,	0.0);
(652830.8, 4189737.6,	6.0,	6.0,	0.0);	(652829.1, 4189762.3,	6.0,	6.0,	0.0);
(652827.4, 4189787.0,	6.0,	6.0,	0.0);	(652825.7, 4189811.7,	6.0,	6.0,	0.0);

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(652824.0, 4189836.5,	6.0,	6.0,	0.0);	(652822.3, 4189861.2,	6.0,	6.0,	0.0);
(652820.6, 4189885.9,	6.0,	6.0,	0.0);	(652818.9, 4189910.6,	6.0,	6.0,	0.0);
(652817.2, 4189935.4,	6.0,	6.0,	0.0);	(652815.5, 4189960.1,	6.0,	6.0,	0.0);
(652813.8, 4189984.8,	6.0,	6.0,	0.0);	(652812.1, 4190009.5,	6.0,	6.0,	0.0);
(652810.4, 4190034.3,	6.0,	6.0,	0.0);	(652808.7, 4190059.0,	6.0,	6.0,	0.0);
(652807.0, 4190083.7,	6.0,	6.0,	0.0);	(652805.3, 4190108.4,	6.0,	6.0,	0.0);
(652803.7, 4190133.1,	6.0,	6.0,	0.0);	(652802.0, 4190157.9,	6.0,	6.0,	0.0);
(652800.3, 4190182.6,	6.0,	6.0,	0.0);	(652798.6, 4190207.3,	6.0,	6.0,	0.0);
(652796.9, 4190232.0,	6.0,	6.0,	0.0);	(652795.2, 4190256.8,	6.0,	6.0,	0.0);
(652793.5, 4190281.5,	6.0,	6.0,	0.0);	(652791.8, 4190306.2,	6.0,	6.0,	0.0);
(652790.1, 4190330.9,	6.0,	6.0,	0.0);	(652788.4, 4190355.7,	6.0,	6.0,	0.0);
(652786.7, 4190380.4,	6.0,	6.0,	0.0);	(652785.0, 4190405.1,	6.0,	6.0,	0.0);
(652783.3, 4190429.8,	6.0,	6.0,	0.0);	(652781.6, 4190454.6,	6.0,	6.0,	0.0);
(652779.9, 4190479.3,	6.0,	6.0,	0.0);	(652778.2, 4190504.0,	6.0,	6.0,	0.0);
(652776.5, 4190528.7,	6.0,	6.0,	0.0);	(652774.8, 4190553.5,	6.0,	6.0,	0.0);
(652773.1, 4190578.2,	6.0,	6.0,	0.0);	(652771.4, 4190602.9,	6.0,	6.0,	0.0);
(652769.7, 4190627.6,	6.0,	6.0,	0.0);	(652768.0, 4190652.4,	6.0,	6.0,	0.0);
(652766.3, 4190677.1,	6.0,	6.0,	0.0);	(652764.7, 4190701.8,	6.0,	6.0,	0.0);
(652763.0, 4190726.5,	6.0,	6.0,	0.0);	(652761.2, 4190751.3,	6.0,	6.0,	0.0);
(652759.6, 4190776.0,	6.0,	6.0,	0.0);	(652757.9, 4190800.7,	6.0,	6.0,	0.0);
(652756.2, 4190825.4,	6.0,	6.0,	0.0);	(652754.5, 4190850.1,	6.0,	6.0,	0.0);
(652752.8, 4190874.9,	6.0,	6.0,	0.0);	(652751.1, 4190899.6,	6.0,	6.0,	0.0);
(652749.4, 4190924.3,	6.0,	6.0,	0.0);	(652747.7, 4190949.0,	6.0,	6.0,	0.0);
(652746.0, 4190973.8,	6.0,	6.0,	0.0);	(652744.3, 4190998.5,	6.0,	6.0,	0.0);

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( 652742.6, 4191023.2,       6.0,        6.0,        0.0);        ( 652740.9, 4191047.9,       6.0,        6.0,        0.0);
( 652739.2, 4191072.7,       6.0,        6.0,        0.0);        ( 652737.5, 4191097.4,       6.0,        6.0,        0.0);
( 652735.8, 4191122.1,       6.0,        6.0,        0.0);        ( 652734.1, 4191146.8,       6.0,        6.0,        0.0);
( 652732.4, 4191171.6,       6.0,        6.0,        0.0);        ( 652755.5, 4191197.1,       6.0,        6.0,        0.0);
( 652780.3, 4191197.9,       6.0,        6.0,        0.0);        ( 652805.1, 4191198.7,       6.0,        6.0,        0.0);
( 652829.8, 4191199.5,       6.0,        6.0,        0.0);        ( 652854.6, 4191200.3,       6.0,        6.0,        0.0);
( 652879.4, 4191201.2,       6.0,        6.0,        0.0);        ( 652904.2, 4191202.0,       6.0,        6.0,        0.0);
( 652928.9, 4191202.8,       6.0,        6.0,        0.0);        ( 652953.7, 4191203.6,       6.0,        6.0,        0.0);
( 652978.5, 4191204.4,       6.0,        6.0,        0.0);        ( 653003.3, 4191205.2,       6.0,        6.0,        0.0);
( 653029.8, 4191181.3,       6.0,        6.0,        0.0);        ( 653031.5, 4191156.6,       6.0,        6.0,        0.0);
( 653033.2, 4191131.9,       6.0,        6.0,        0.0);        ( 653035.0, 4191107.2,       6.0,        6.0,        0.0);
( 653036.7, 4191082.6,       6.0,        6.0,        0.0);        ( 653038.4, 4191057.9,       6.0,        6.0,        0.0);
( 653040.2, 4191033.2,       6.0,        6.0,        0.0);        ( 653041.9, 4191008.5,       6.0,        6.0,        0.0);
( 653043.6, 4190983.8,       6.0,        6.0,        0.0);        ( 653045.4, 4190959.1,       6.0,        6.0,        0.0);
( 653047.1, 4190934.4,       6.0,        6.0,        0.0);        ( 653048.8, 4190909.7,       6.0,        6.0,        0.0);
( 653050.5, 4190885.0,       6.0,        6.0,        0.0);        ( 653052.3, 4190860.3,       6.0,        6.0,        0.0);
( 653054.0, 4190835.6,       6.0,        6.0,        0.0);        ( 653055.7, 4190811.0,       6.0,        6.0,        0.0);
( 653057.5, 4190786.3,       6.0,        6.0,        0.0);        ( 653059.2, 4190761.6,       6.0,        6.0,        0.0);
( 653060.9, 4190736.9,       6.0,        6.0,        0.0);        ( 653062.7, 4190712.2,       6.0,        6.0,        0.0);
( 653064.4, 4190687.5,       6.0,        6.0,        0.0);        ( 653066.1, 4190662.8,       6.0,        6.0,        0.0);
( 653067.9, 4190638.1,       6.0,        6.0,        0.0);        ( 653069.6, 4190613.4,       6.0,        6.0,        0.0);
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                        ***     06/14/12
                                    *** Lathrop Railyard Expansion                                      ***     16:41:19
                                                                                                                PAGE 257
 **MODELOPTs:  NonDFAULT CONC                                  FLAT
                                                       NODRYDPLT NOWETDPLT

                                              *** DISCRETE CARTESIAN RECEPTORS ***
                                           (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

( 653071.3, 4190588.7,       6.0,        6.0,        0.0);        ( 653073.0, 4190564.0,       6.0,        6.0,        0.0);
( 653074.8, 4190539.3,       6.0,        6.0,        0.0);        ( 653076.5, 4190514.7,       6.0,        6.0,        0.0);
( 653078.2, 4190490.0,       6.0,        6.0,        0.0);        ( 653080.0, 4190465.3,       6.0,        6.0,        0.0);
( 653081.7, 4190440.6,       6.0,        6.0,        0.0);        ( 653083.4, 4190415.9,       6.0,        6.0,        0.0);
( 653085.2, 4190391.2,       6.0,        6.0,        0.0);        ( 653086.9, 4190366.5,       6.0,        6.0,        0.0);
( 653088.6, 4190341.8,       6.0,        6.0,        0.0);        ( 653090.3, 4190317.1,       6.0,        6.0,        0.0);
( 653092.1, 4190292.4,       6.0,        6.0,        0.0);        ( 653093.8, 4190267.8,       6.0,        6.0,        0.0);
( 653095.5, 4190243.1,       6.0,        6.0,        0.0);        ( 653097.3, 4190218.4,       6.0,        6.0,        0.0);
( 653099.0, 4190193.7,       6.0,        6.0,        0.0);        ( 653100.7, 4190169.0,       6.0,        6.0,        0.0);
( 653102.5, 4190144.3,       6.0,        6.0,        0.0);        ( 653104.2, 4190119.6,       6.0,        6.0,        0.0);
( 653105.9, 4190094.9,       6.0,        6.0,        0.0);        ( 653107.6, 4190070.2,       6.0,        6.0,        0.0);
( 653109.4, 4190045.5,       6.0,        6.0,        0.0);        ( 653111.1, 4190020.8,       6.0,        6.0,        0.0);
( 653112.8, 4189996.1,       6.0,        6.0,        0.0);        ( 653114.6, 4189971.4,       6.0,        6.0,        0.0);
( 653116.3, 4189946.8,       6.0,        6.0,        0.0);        ( 653118.0, 4189922.1,       6.0,        6.0,        0.0);
( 653119.8, 4189897.4,       6.0,        6.0,        0.0);        ( 653121.5, 4189872.7,       6.0,        6.0,        0.0);
( 653123.2, 4189848.0,       6.0,        6.0,        0.0);        ( 653124.9, 4189823.3,       6.0,        6.0,        0.0);
( 653126.7, 4189798.6,       6.0,        6.0,        0.0);        ( 653128.4, 4189773.9,       6.0,        6.0,        0.0);
( 653130.1, 4189749.2,       6.0,        6.0,        0.0);        ( 653131.9, 4189724.5,       6.0,        6.0,        0.0);
( 653133.6, 4189699.8,       6.0,        6.0,        0.0);        ( 653135.3, 4189675.2,       6.0,        6.0,        0.0);
( 653137.1, 4189650.5,       6.0,        6.0,        0.0);        ( 653138.8, 4189625.8,       6.0,        6.0,        0.0);
( 653140.5, 4189601.1,       6.0,        6.0,        0.0);        ( 653142.2, 4189576.4,       6.0,        6.0,        0.0);
( 653144.0, 4189551.7,       6.0,        6.0,        0.0);        ( 653145.7, 4189527.0,       6.0,        6.0,        0.0);
( 653147.4, 4189502.3,       6.0,        6.0,        0.0);        ( 653149.2, 4189477.6,       6.0,        6.0,        0.0);
( 653150.9, 4189452.9,       6.0,        6.0,        0.0);        ( 653152.6, 4189428.2,       6.0,        6.0,        0.0);
( 653154.4, 4189403.5,       6.0,        6.0,        0.0);        ( 653156.1, 4189378.9,       6.0,        6.0,        0.0);
( 653157.8, 4189354.2,       6.0,        6.0,        0.0);        ( 653159.6, 4189329.5,       6.0,        6.0,        0.0);
( 653161.3, 4189304.8,       6.0,        6.0,        0.0);        ( 653163.0, 4189280.1,       6.0,        6.0,        0.0);
( 653164.7, 4189255.4,       6.0,        6.0,        0.0);        ( 653166.5, 4189230.7,       6.0,        6.0,        0.0);
( 653191.8, 4189205.8,       6.0,        6.0,        0.0);        ( 653215.4, 4189205.5,       6.0,        6.0,        0.0);
```

(653239.0, 4189205.3, 6.0, 6.0, 0.0); (653264.2, 4189181.0, 6.0, 6.0, 0.0);
(653265.8, 4189157.0, 6.0, 6.0, 0.0); (653267.4, 4189132.9, 6.0, 6.0, 0.0);
(653269.0, 4189108.9, 6.0, 6.0, 0.0); (653270.6, 4189084.8, 6.0, 6.0, 0.0);
(653272.2, 4189060.8, 6.0, 6.0, 0.0); (653273.8, 4189036.7, 6.0, 6.0, 0.0);
(653275.4, 4189012.7, 6.0, 6.0, 0.0); (653277.0, 4188988.6, 6.0, 6.0, 0.0);
(653278.6, 4188964.6, 6.0, 6.0, 0.0); (653280.2, 4188940.6, 6.0, 6.0, 0.0);
(653281.8, 4188916.5, 6.0, 6.0, 0.0); (653283.4, 4188892.5, 6.0, 6.0, 0.0);
(653285.0, 4188868.4, 6.0, 6.0, 0.0); (653286.6, 4188844.4, 6.0, 6.0, 0.0);
(653288.2, 4188820.3, 6.0, 6.0, 0.0); (653275.0, 4188772.0, 6.0, 6.0, 0.0);
(653276.2, 4188748.6, 6.0, 6.0, 0.0); (653277.4, 4188725.2, 6.0, 6.0, 0.0);
(653255.1, 4188705.5, 6.0, 6.0, 0.0); (653218.6, 4188697.3, 6.0, 6.0, 0.0);
(653206.9, 4188672.4, 6.0, 6.0, 0.0); (653208.6, 4188647.7, 6.0, 6.0, 0.0);
(653210.3, 4188623.0, 6.0, 6.0, 0.0); (653212.1, 4188598.4, 6.0, 6.0, 0.0);
(653213.8, 4188573.7, 6.0, 6.0, 0.0); (653215.5, 4188549.0, 6.0, 6.0, 0.0);
(653217.2, 4188524.4, 6.0, 6.0, 0.0); (653218.9, 4188499.7, 6.0, 6.0, 0.0);
(653220.7, 4188475.1, 6.0, 6.0, 0.0); (653222.4, 4188450.4, 6.0, 6.0, 0.0);

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(653224.1, 4188425.8, 6.0, 6.0, 0.0); (653225.8, 4188401.1, 6.0, 6.0, 0.0);
(653227.5, 4188376.4, 6.0, 6.0, 0.0); (653229.3, 4188351.8, 6.0, 6.0, 0.0);
(653231.0, 4188327.1, 6.0, 6.0, 0.0); (653232.7, 4188302.4, 6.0, 6.0, 0.0);
(653234.4, 4188277.8, 6.0, 6.0, 0.0); (653236.2, 4188253.1, 6.0, 6.0, 0.0);
(653237.9, 4188228.5, 6.0, 6.0, 0.0); (653239.6, 4188203.8, 6.0, 6.0, 0.0);
(653241.3, 4188179.1, 6.0, 6.0, 0.0); (653243.0, 4188154.5, 6.0, 6.0, 0.0);
(653244.8, 4188129.8, 6.0, 6.0, 0.0); (653246.5, 4188105.1, 6.0, 6.0, 0.0);
(653248.2, 4188080.5, 6.0, 6.0, 0.0); (653249.9, 4188055.8, 6.0, 6.0, 0.0);
(653251.6, 4188031.2, 6.0, 6.0, 0.0); (653232.2, 4188006.3, 6.0, 6.0, 0.0);
(653211.0, 4188006.0, 6.0, 6.0, 0.0); (653189.9, 4188005.8, 6.0, 6.0, 0.0);
(653157.5, 4188039.2, 6.0, 6.0, 0.0); (653156.5, 4188063.2, 6.0, 6.0, 0.0);
(653155.5, 4188087.2, 6.0, 6.0, 0.0); (653114.7, 4188088.6, 6.0, 6.0, 0.0);
(653092.8, 4188087.9, 6.0, 6.0, 0.0); (653033.9, 4188123.9, 6.0, 6.0, 0.0);
(653032.9, 4188142.1, 6.0, 6.0, 0.0); (653007.6, 4188160.2, 6.0, 6.0, 0.0);
(652983.3, 4188160.0, 6.0, 6.0, 0.0); (652959.0, 4188159.9, 6.0, 6.0, 0.0);
(653604.0, 4191168.0, 6.0, 6.0, 0.0); (653588.0, 4190933.0, 6.0, 6.0, 0.0);
(653594.0, 4189999.0, 6.0, 6.0, 0.0); (653476.0, 4189883.0, 6.0, 6.0, 0.0);
(653354.0, 4189808.0, 6.0, 6.0, 0.0); (653542.0, 4189703.0, 6.0, 6.0, 0.0);
(653628.0, 4189498.0, 6.0, 6.0, 0.0); (653633.0, 4189382.0, 6.0, 6.0, 0.0);
(653629.0, 4189120.0, 6.0, 6.0, 0.0); (653407.0, 4188788.0, 6.0, 6.0, 0.0);
(653666.0, 4188604.0, 6.0, 6.0, 0.0); (653683.0, 4188423.0, 6.0, 6.0, 0.0);
(653572.0, 4188259.0, 6.0, 6.0, 0.0); (653620.0, 4187985.0, 6.0, 6.0, 0.0);
(653337.0, 4187981.0, 6.0, 6.0, 0.0); (652989.0, 4188122.0, 6.0, 6.0, 0.0);
(651751.0, 4188075.0, 6.0, 6.0, 0.0); (651729.0, 4188986.0, 6.0, 6.0, 0.0);
(651726.0, 4189755.0, 6.0, 6.0, 0.0); (652233.0, 4190966.0, 6.0, 6.0, 0.0);
(652155.0, 4191175.0, 6.0, 6.0, 0.0); (652658.0, 4191223.0, 6.0, 6.0, 0.0);
(653409.0, 4191269.0, 6.0, 6.0, 0.0);

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)

L0002341	653085.2	4190391.2	-16.90
L0002341	653086.9	4190366.5	-25.13
L0002341	653088.6	4190341.8	-12.26
L0002342	653081.7	4190440.6	-16.59
L0002342	653083.4	4190415.9	-25.61
L0002342	653085.2	4190391.2	-13.17
L0002343	653078.2	4190490.0	-16.25
L0002343	653080.0	4190465.3	-26.07
L0002343	653081.7	4190440.6	-14.08
L0002344	653074.8	4190539.3	-15.89
L0002344	653076.5	4190514.7	-26.49
L0002344	653078.2	4190490.0	-14.98
L0002345	653071.3	4190588.7	-15.50
L0002345	653073.0	4190564.0	-26.88
L0002345	653074.8	4190539.3	-15.88
L0002346	653067.9	4190638.1	-15.10
L0002346	653069.6	4190613.4	-27.24
L0002346	653071.3	4190588.7	-16.78
L0002347	653064.4	4190687.5	-14.67
L0002347	653066.1	4190662.8	-27.56
L0002347	653067.9	4190638.1	-17.67
L0002348	653060.9	4190736.9	-14.23
L0002348	653062.7	4190712.2	-27.86
L0002348	653064.4	4190687.5	-18.56
L0002349	653057.5	4190786.3	-13.75
L0002349	653059.2	4190761.6	-28.10
L0002349	653060.9	4190736.9	-19.46
L0002350	653054.0	4190835.6	-13.27
L0002350	653055.7	4190811.0	-28.31
L0002350	653057.5	4190786.3	-20.35
L0002350	653059.2	4190761.6	0.47
L0002351	653050.5	4190885.0	-12.77
L0002351	653052.3	4190860.3	-28.47
L0002351	653054.0	4190835.6	-21.23
L0002351	653055.7	4190811.0	-0.47
L0002352	653047.1	4190934.4	-12.24
L0002352	653048.8	4190909.7	-28.59
L0002352	653050.5	4190885.0	-22.10
L0002352	653052.3	4190860.3	-1.41
L0002353	653043.6	4190983.8	-11.70

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002353	653045.4	4190959.1	-28.66
L0002353	653047.1	4190934.4	-22.98
L0002353	653048.8	4190909.7	-2.35
L0002354	653040.2	4191033.2	-11.15
L0002354	653041.9	4191008.5	-28.69
L0002354	653043.6	4190983.8	-23.85
L0002354	653045.4	4190959.1	-3.30
L0002355	653038.4	4191057.9	-2.63
L0002355	653040.2	4191033.2	-11.22
L0002355	653041.9	4191008.5	-4.96
L0002363	652932.8	4188184.4	-6.21
L0002363	652931.1	4188208.9	-28.77
L0002363	652929.3	4188233.5	-27.48
L0002363	652927.5	4188258.1	-4.63
L0002364	652929.3	4188233.5	-2.92
L0002364	652927.5	4188258.1	-10.04
L0002364	652925.7	4188282.7	-1.02
L0002559	653213.8	4188573.7	-6.30
L0002559	653215.5	4188549.0	-29.45
L0002559	653217.2	4188524.4	-35.74
L0002559	653218.9	4188499.7	-14.19
L0002560	653210.3	4188623.0	-5.49
L0002560	653212.1	4188598.4	-28.71
L0002560	653213.8	4188573.7	-36.19
L0002560	653215.5	4188549.0	-14.94
L0002561	653206.9	4188672.4	-4.68
L0002561	653208.6	4188647.7	-27.97
L0002561	653210.3	4188623.0	-36.61
L0002561	653212.1	4188598.4	-15.70
L0002562	653231.5	4188709.2	-1.39
L0002562	653231.9	4188697.5	-7.87
L0002562	653205.2	4188697.0	-27.23
L0002562	653218.6	4188697.3	-18.96
L0002562	653206.9	4188672.4	-36.98
L0002562	653208.6	4188647.7	-16.45
L0002563	653231.5	4188709.2	-6.64
L0002563	653231.9	4188697.5	-0.37
L0002563	653205.2	4188697.0	-17.19
L0002563	653218.6	4188697.3	-10.16
L0002572	653168.2	4189206.0	-4.74

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002573	653168.2	4189206.0	-37.67
L0002573	653164.7	4189255.4	-3.88

L0002573	653166.5	4189230.7	-27.45
L0002573	653191.8	4189205.8	-14.89
L0002574	653161.3	4189304.8	-3.01
L0002574	653163.0	4189280.1	-26.64
L0002574	653164.7	4189255.4	-38.05
L0002574	653166.5	4189230.7	-17.56
L0002575	653157.8	4189354.2	-2.15
L0002575	653159.6	4189329.5	-25.82
L0002575	653161.3	4189304.8	-38.38
L0002575	653163.0	4189280.1	-18.37
L0002576	653154.4	4189403.5	-1.29
L0002576	653156.1	4189378.9	-25.01
L0002576	653157.8	4189354.2	-38.64
L0002576	653159.6	4189329.5	-19.19
L0002577	653150.9	4189452.9	-0.43
L0002577	653152.6	4189428.2	-24.19
L0002577	653154.4	4189403.5	-38.82
L0002577	653156.1	4189378.9	-20.00
L0002578	653147.4	4189502.3	0.45
L0002578	653149.2	4189477.6	-23.37
L0002578	653150.9	4189452.9	-38.94
L0002578	653152.6	4189428.2	-20.80
L0002579	653145.7	4189527.0	-22.53
L0002579	653147.4	4189502.3	-38.97
L0002579	653149.2	4189477.6	-21.59
L0002580	653142.2	4189576.4	-21.71
L0002580	653144.0	4189551.7	-38.93
L0002580	653145.7	4189527.0	-22.39
L0002581	653138.8	4189625.8	-20.88
L0002581	653140.5	4189601.1	-38.80
L0002581	653142.2	4189576.4	-23.18
L0002581	653144.0	4189551.7	0.61
L0002582	653135.3	4189675.2	-20.03
L0002582	653137.1	4189650.5	-38.61
L0002582	653138.8	4189625.8	-23.96
L0002582	653140.5	4189601.1	-0.24
L0002583	653131.9	4189724.5	-19.20
L0002583	653133.6	4189699.8	-38.34

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002583	653135.3	4189675.2	-24.74
L0002583	653137.1	4189650.5	-1.08
L0002584	653128.4	4189773.9	-18.36
L0002584	653130.1	4189749.2	-38.01
L0002584	653131.9	4189724.5	-25.51
L0002584	653133.6	4189699.8	-1.92
L0002585	653124.9	4189823.3	-17.52
L0002585	653126.7	4189798.6	-37.62
L0002585	653128.4	4189773.9	-26.27
L0002585	653130.1	4189749.2	-2.77
L0002586	653121.5	4189872.7	-16.67
L0002586	653123.2	4189848.0	-37.17
L0002586	653124.9	4189823.3	-27.03
L0002586	653126.7	4189798.6	-3.60
L0002587	653118.0	4189922.1	-15.83
L0002587	653119.8	4189897.4	-36.68
L0002587	653121.5	4189872.7	-27.78
L0002587	653123.2	4189848.0	-4.45
L0002588	653114.6	4189971.4	-14.99
L0002588	653116.3	4189946.8	-36.15
L0002588	653118.0	4189922.1	-28.51
L0002588	653119.8	4189897.4	-5.28
L0002589	653111.1	4190020.8	-14.14
L0002589	653112.8	4189996.1	-35.58
L0002589	653114.6	4189971.4	-29.23
L0002589	653116.3	4189946.8	-6.11
L0002590	653107.6	4190070.2	-13.29
L0002590	653109.4	4190045.5	-34.97
L0002590	653111.1	4190020.8	-29.94
L0002590	653112.8	4189996.1	-6.95
L0002591	653104.2	4190119.6	-12.44
L0002591	653105.9	4190094.9	-34.34
L0002591	653107.6	4190070.2	-30.64
L0002591	653109.4	4190045.5	-7.78
L0002592	653100.7	4190169.0	-11.59
L0002592	653102.5	4190144.3	-33.68
L0002592	653104.2	4190119.6	-31.31
L0002592	653105.9	4190094.9	-8.61
L0002854	652904.2	4191202.0	-2.39
L0002854	652928.9	4191202.8	-20.18

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002854	652953.7	4191203.6	-20.56
L0002854	652978.5	4191204.4	-3.04
L0002907	652934.6	4188159.8	-16.66
L0002907	652932.8	4188184.4	-5.97

L0002908	652932.8	4188184.4	-10.95
L0002908	652931.1	4188208.9	-16.75
L0002908	652929.3	4188233.5	-6.29
L0002909	652929.3	4188233.5	-10.74
L0002909	652927.5	4188258.1	-16.83
L0002909	652925.7	4188282.7	-6.61
L0002910	652925.7	4188282.7	-10.52
L0002910	652923.9	4188307.2	-16.90
L0002910	652922.1	4188331.8	-6.93
L0002911	652922.1	4188331.8	-10.31
L0002911	652920.4	4188356.4	-16.98
L0002911	652918.6	4188381.0	-7.25
L0002912	652918.6	4188381.0	-10.08
L0002912	652916.8	4188405.5	-17.05
L0002912	652915.0	4188430.1	-7.56
L0002913	652915.0	4188430.1	-9.85
L0002913	652913.2	4188454.7	-17.11
L0002913	652911.4	4188479.2	-7.87
L0002914	652911.4	4188479.2	-9.61
L0002914	652909.6	4188503.8	-17.16
L0002914	652907.9	4188528.4	-8.18
L0002915	652907.9	4188528.4	-9.37
L0002915	652906.1	4188553.0	-17.21
L0002915	652904.3	4188577.5	-8.48
L0002916	652904.3	4188577.5	-9.14
L0002916	652902.5	4188602.1	-17.24
L0002916	652900.7	4188626.7	-8.79
L0002917	652900.7	4188626.7	-8.89
L0002917	652898.9	4188651.3	-17.28
L0002917	652897.2	4188675.8	-9.09
L0002918	652897.2	4188675.8	-8.65
L0002918	652895.4	4188700.4	-17.31
L0002918	652893.6	4188725.0	-9.38
L0002919	652891.8	4188749.6	-17.33
L0002919	652898.6	4188748.6	-10.55
L0002919	652893.6	4188725.0	-8.40

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002919	652896.9	4188773.3	-4.66
L0002920	652896.9	4188773.3	-1.89
L0002920	652895.2	4188798.0	-10.37
L0002920	652893.5	4188822.8	-4.59
L0002921	652893.5	4188822.8	-1.67
L0002921	652891.8	4188847.5	-10.20
L0002921	652890.1	4188872.2	-4.53
L0002922	652890.1	4188872.2	-1.44
L0002922	652888.4	4188896.9	-10.02
L0002922	652886.7	4188921.7	-4.46
L0002923	652886.7	4188921.7	-1.21
L0002923	652885.0	4188946.4	-9.85
L0002923	652883.4	4188971.1	-4.39
L0002924	652883.4	4188971.1	-0.98
L0002924	652881.7	4188995.8	-9.67
L0002924	652880.0	4189020.6	-4.32
L0002925	652880.0	4189020.6	-0.75
L0002925	652878.3	4189045.3	-9.50
L0002925	652876.6	4189070.0	-4.26
L0002926	652876.6	4189070.0	-0.52
L0002926	652874.9	4189094.7	-9.32
L0002926	652873.2	4189119.5	-4.20
L0002927	652873.2	4189119.5	-0.30
L0002927	652871.5	4189144.2	-9.14
L0002927	652869.8	4189168.9	-4.12
L0002928	652869.8	4189168.9	-0.07
L0002928	652868.1	4189193.6	-8.95
L0002928	652866.4	4189218.4	-4.05
L0002929	652866.4	4189218.4	0.16
L0002929	652864.7	4189243.1	-8.78
L0002929	652863.0	4189267.8	-3.98
L0002930	652863.0	4189267.8	0.39
L0002930	652861.3	4189292.5	-8.60
L0002930	652859.6	4189317.3	-3.90
L0002931	652859.6	4189317.3	0.62
L0002931	652857.9	4189342.0	-8.42
L0002931	652856.2	4189366.7	-3.83
L0002932	652856.2	4189366.7	0.85
L0002932	652854.5	4189391.4	-8.24
L0002932	652852.8	4189416.1	-3.76

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002933	652851.1	4189440.9	-8.05
L0002933	652849.4	4189465.6	-3.68
L0002934	652847.7	4189490.3	-7.87
L0002934	652846.0	4189515.0	-3.60
L0002935	652844.4	4189539.8	-7.69
L0002935	652842.7	4189564.5	-3.52

L0002936	652841.0	4189589.2	-7.51
L0002936	652839.3	4189613.9	-3.45
L0002937	652837.6	4189638.7	-7.33
L0002937	652835.9	4189663.4	-3.36
L0002938	652834.2	4189688.1	-7.14
L0002938	652832.5	4189712.8	-3.28
L0002939	652830.8	4189737.6	-6.96
L0002939	652829.1	4189762.3	-3.21
L0002940	652827.4	4189787.0	-6.77
L0002940	652825.7	4189811.7	-3.12
L0002941	652824.0	4189836.5	-6.58
L0002941	652822.3	4189861.2	-3.03
L0002942	652820.6	4189885.9	-6.40
L0002942	652818.9	4189910.6	-2.95
L0002943	652817.2	4189935.4	-6.22
L0002943	652815.5	4189960.1	-2.86
L0002944	652813.8	4189984.8	-6.03
L0002944	652812.1	4190009.5	-2.77
L0002945	652810.4	4190034.3	-5.84
L0002945	652808.7	4190059.0	-2.69
L0002946	652807.0	4190083.7	-5.65
L0002946	652805.3	4190108.4	-2.60
L0002947	652803.7	4190133.1	-5.46
L0002947	652802.0	4190157.9	-2.51
L0002948	652800.3	4190182.6	-5.27
L0002948	652798.6	4190207.3	-2.42
L0002949	652796.9	4190232.0	-5.09
L0002949	652795.2	4190256.8	-2.32
L0002950	652793.5	4190281.5	-4.90
L0002950	652791.8	4190306.2	-2.23
L0002951	652790.1	4190330.9	-4.71
L0002951	652788.4	4190355.7	-2.13
L0002952	652786.7	4190380.4	-4.52
L0002952	652785.0	4190405.1	-2.04

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002953	652783.3	4190429.8	-4.33
L0002953	652781.6	4190454.6	-1.95
L0002954	652779.9	4190479.3	-4.14
L0002954	652778.2	4190504.0	-1.85
L0002955	652776.5	4190528.7	-3.94
L0002955	652774.8	4190553.5	-1.75
L0002956	652773.1	4190578.2	-3.76
L0002956	652771.4	4190602.9	-1.65
L0002957	652769.7	4190627.6	-3.57
L0002957	652768.0	4190652.4	-1.55
L0002958	652766.3	4190677.1	-3.37
L0002958	652764.7	4190701.8	-1.45
L0002959	652763.0	4190726.5	-3.18
L0002959	652761.2	4190751.3	-1.35
L0002960	652759.6	4190776.0	-2.98
L0002960	652757.9	4190800.7	-1.25
L0002961	652756.2	4190825.4	-2.79
L0002961	652754.5	4190850.1	-1.15
L0002962	652752.8	4190874.9	-2.61
L0002962	652751.1	4190899.6	-1.04
L0002963	652749.4	4190924.3	-2.41
L0002963	652747.7	4190949.0	-0.93
L0002964	652746.0	4190973.8	-2.21
L0002964	652744.3	4190998.5	-0.82
L0002965	652742.6	4191023.2	-2.02
L0002965	652740.9	4191047.9	-0.72
L0002966	652739.2	4191072.7	-1.82
L0002966	652737.5	4191097.4	-0.62
L0002967	652735.8	4191122.1	-1.62
L0002967	652734.1	4191146.8	-0.51
L0002968	652730.7	4191196.3	-0.40
L0002968	652732.4	4191171.6	-1.43
L0002969	652658.0	4191223.0	-26.05
L0012907	652934.6	4188159.8	-16.66
L0012907	652932.8	4188184.4	-5.97
L0012908	652932.8	4188184.4	-10.95
L0012908	652931.1	4188208.9	-16.75
L0012908	652929.3	4188233.5	-6.29
L0012909	652929.3	4188233.5	-10.74
L0012909	652927.5	4188258.1	-16.83

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0012909	652925.7	4188282.7	-6.61
L0012910	652925.7	4188282.7	-10.52
L0012910	652923.9	4188307.2	-16.90
L0012910	652922.1	4188331.8	-6.93
L0012911	652922.1	4188331.8	-10.31
L0012911	652920.4	4188356.4	-16.98
L0012911	652918.6	4188381.0	-7.25
L0012912	652918.6	4188381.0	-10.08

L0012912	652916.8	4188405.5	-17.05
L0012912	652915.0	4188430.1	-7.56
L0012913	652915.0	4188430.1	-9.85
L0012913	652913.2	4188454.7	-17.11
L0012913	652911.4	4188479.2	-7.87
L0012914	652911.4	4188479.2	-9.61
L0012914	652909.6	4188503.8	-17.16
L0012914	652907.9	4188528.4	-8.18
L0012915	652907.9	4188528.4	-9.37
L0012915	652906.1	4188553.0	-17.21
L0012915	652904.3	4188577.5	-8.48
L0012916	652904.3	4188577.5	-9.14
L0012916	652902.5	4188602.1	-17.24
L0012916	652900.7	4188626.7	-8.79
L0012917	652900.7	4188626.7	-8.89
L0012917	652898.9	4188651.3	-17.28
L0012917	652897.2	4188675.8	-9.09
L0012918	652897.2	4188675.8	-8.65
L0012918	652895.4	4188700.4	-17.31
L0012918	652893.6	4188725.0	-9.38
L0012919	652891.8	4188749.6	-17.33
L0012919	652898.6	4188748.6	-10.55
L0012919	652893.6	4188725.0	-8.40
L0012919	652896.9	4188773.3	-4.66
L0012920	652896.9	4188773.3	-1.89
L0012920	652895.2	4188798.0	-10.37
L0012920	652893.5	4188822.8	-4.59
L0012921	652893.5	4188822.8	-1.67
L0012921	652891.8	4188847.5	-10.20
L0012921	652890.1	4188872.2	-4.53
L0012922	652890.1	4188872.2	-1.44
L0012922	652888.4	4188896.9	-10.02

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0012922	652886.7	4188921.7	-4.46
L0012923	652886.7	4188921.7	-1.21
L0012923	652885.0	4188946.4	-9.85
L0012923	652883.4	4188971.1	-4.39
L0012924	652883.4	4188971.1	-0.98
L0012924	652881.7	4188995.8	-9.67
L0012924	652880.0	4189020.6	-4.32
L0012925	652880.0	4189020.6	-0.75
L0012925	652878.3	4189045.3	-9.50
L0012925	652876.6	4189070.0	-4.26
L0012926	652876.6	4189070.0	-0.52
L0012926	652874.9	4189094.7	-9.32
L0012926	652873.2	4189119.5	-4.20
L0012927	652873.2	4189119.5	-0.30
L0012927	652871.5	4189144.2	-9.14
L0012927	652869.8	4189168.9	-4.12
L0012928	652869.8	4189168.9	-0.07
L0012928	652868.1	4189193.6	-8.95
L0012928	652866.4	4189218.4	-4.05
L0012929	652866.4	4189218.4	0.16
L0012929	652864.7	4189243.1	-8.78
L0012929	652863.0	4189267.8	-3.98
L0012930	652863.0	4189267.8	0.39
L0012930	652861.3	4189292.5	-8.60
L0012930	652859.6	4189317.3	-3.90
L0012931	652859.6	4189317.3	0.62
L0012931	652857.9	4189342.0	-8.42
L0012931	652856.2	4189366.7	-3.83
L0012932	652856.2	4189366.7	0.85
L0012932	652854.5	4189391.4	-8.24
L0012932	652852.8	4189416.1	-3.76
L0012933	652851.1	4189440.9	-8.05
L0012933	652849.4	4189465.6	-3.68
L0012934	652847.7	4189490.3	-7.87
L0012934	652846.0	4189515.0	-3.60
L0012935	652844.4	4189539.8	-7.69
L0012935	652842.7	4189564.5	-3.52
L0012936	652841.0	4189589.2	-7.51
L0012936	652839.3	4189613.9	-3.45
L0012937	652837.6	4189638.7	-7.33

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0012937	652835.9	4189663.4	-3.36
L0012938	652834.2	4189688.1	-7.14
L0012938	652832.5	4189712.8	-3.28
L0012939	652830.8	4189737.6	-6.96
L0012939	652829.1	4189762.3	-3.21
L0012940	652827.4	4189787.0	-6.77
L0012940	652825.7	4189811.7	-3.12
L0012941	652824.0	4189836.5	-6.58
L0012941	652822.3	4189861.2	-3.03
L0012942	652820.6	4189885.9	-6.40

L0012942	652818.9	4189910.6	-2.95
L0012943	652817.2	4189935.4	-6.22
L0012943	652815.5	4189960.1	-2.86
L0012944	652813.8	4189984.8	-6.03
L0012944	652812.1	4190009.5	-2.77
L0012945	652810.4	4190034.3	-5.84
L0012945	652808.7	4190059.0	-2.69
L0012946	652807.0	4190083.7	-5.65
L0012946	652805.3	4190108.4	-2.60
L0012947	652803.7	4190133.1	-5.46
L0012947	652802.0	4190157.9	-2.51
L0012948	652800.3	4190182.6	-5.27
L0012948	652798.6	4190207.3	-2.42
L0012949	652796.9	4190232.0	-5.09
L0012949	652795.2	4190256.8	-2.32
L0012950	652793.5	4190281.5	-4.90
L0012950	652791.8	4190306.2	-2.23
L0012951	652790.1	4190330.9	-4.71
L0012951	652788.4	4190355.7	-2.13
L0012952	652786.7	4190380.4	-4.52
L0012952	652785.0	4190405.1	-2.04
L0012953	652783.3	4190429.8	-4.33
L0012953	652781.6	4190454.6	-1.95
L0012954	652779.9	4190479.3	-4.14
L0012954	652778.2	4190504.0	-1.85
L0012955	652776.5	4190528.7	-3.94
L0012955	652774.8	4190553.5	-1.75
L0012956	652773.1	4190578.2	-3.76
L0012956	652771.4	4190602.9	-1.65
L0012957	652769.7	4190627.6	-3.57

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0012957	652768.0	4190652.4	-1.55
L0012958	652766.3	4190677.1	-3.37
L0012958	652764.7	4190701.8	-1.45
L0012959	652763.0	4190726.5	-3.18
L0012959	652761.2	4190751.3	-1.35
L0012960	652759.6	4190776.0	-2.98
L0012960	652757.9	4190800.7	-1.25
L0012961	652756.2	4190825.4	-2.79
L0012961	652754.5	4190850.1	-1.15
L0012962	652752.8	4190874.9	-2.61
L0012962	652751.1	4190899.6	-1.04
L0012963	652749.4	4190924.3	-2.41
L0012963	652747.7	4190949.0	-0.93
L0012964	652746.0	4190973.8	-2.21
L0012964	652744.3	4190998.5	-0.82
L0012965	652742.6	4191023.2	-2.02
L0012965	652740.9	4191047.9	-0.72
L0012966	652739.2	4191072.7	-1.82
L0012966	652737.5	4191097.4	-0.62
L0012967	652735.8	4191122.1	-1.62
L0012967	652734.1	4191146.8	-0.51
L0012968	652730.7	4191196.3	-0.40
L0012968	652732.4	4191171.6	-1.43
L0012969	652658.0	4191223.0	-26.05
L0002976	652923.9	4188307.2	-12.27
L0002976	652922.1	4188331.8	-34.06
L0002976	652920.4	4188356.4	-32.56
L0002976	652918.6	4188381.0	-10.33
L0002977	652920.4	4188356.4	-11.66
L0002977	652918.6	4188381.0	-33.55
L0002977	652916.8	4188405.5	-32.93
L0002977	652915.0	4188430.1	-10.86
L0002978	652916.8	4188405.5	-11.06
L0002978	652915.0	4188430.1	-33.03
L0002978	652913.2	4188454.7	-33.29
L0002978	652911.4	4188479.2	-11.41
L0002979	652913.2	4188454.7	-10.46
L0002979	652911.4	4188479.2	-32.50
L0002979	652909.6	4188503.8	-33.64
L0002979	652907.9	4188528.4	-11.94

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002980	652909.6	4188503.8	-9.85
L0002980	652907.9	4188528.4	-31.98
L0002980	652906.1	4188553.0	-33.97
L0002980	652904.3	4188577.5	-12.47
L0002981	652906.1	4188553.0	-9.25
L0002981	652904.3	4188577.5	-31.44
L0002981	652902.5	4188602.1	-34.29
L0002981	652900.7	4188626.7	-12.99
L0002982	652902.5	4188602.1	-8.65
L0002982	652900.7	4188626.7	-30.91
L0002982	652898.9	4188651.3	-34.59
L0002982	652897.2	4188675.8	-13.52

L0002983	652898.9	4188651.3	-8.04
L0002983	652897.2	4188675.8	-30.37
L0002983	652895.4	4188700.4	-34.87
L0002983	652893.6	4188725.0	-14.04
L0002984	652891.8	4188749.6	-35.13
L0002984	652898.6	4188748.6	-41.02
L0002984	652895.4	4188700.4	-7.44
L0002984	652893.6	4188725.0	-29.82
L0002984	652896.9	4188773.3	-17.57
L0002985	652891.8	4188749.6	-6.83
L0002985	652898.6	4188748.6	-6.78
L0002985	652896.9	4188773.3	-31.13
L0002985	652895.2	4188798.0	-41.31
L0002985	652893.5	4188822.8	-17.89
L0002986	652895.2	4188798.0	-6.48
L0002986	652893.5	4188822.8	-30.86
L0002986	652891.8	4188847.5	-41.61
L0002986	652890.1	4188872.2	-18.20
L0002987	652891.8	4188847.5	-6.19
L0002987	652890.1	4188872.2	-30.58
L0002987	652888.4	4188896.9	-41.91
L0002987	652886.7	4188921.7	-18.52
L0002988	652888.4	4188896.9	-5.88
L0002988	652886.7	4188921.7	-30.31
L0002988	652885.0	4188946.4	-42.19
L0002988	652883.4	4188971.1	-18.84
L0002989	652885.0	4188946.4	-5.59
L0002989	652883.4	4188971.1	-30.03

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002989	652881.7	4188995.8	-42.47
L0002989	652880.0	4189020.6	-19.15
L0002990	652881.7	4188995.8	-5.29
L0002990	652880.0	4189020.6	-29.76
L0002990	652878.3	4189045.3	-42.76
L0002990	652876.6	4189070.0	-19.48
L0002991	652878.3	4189045.3	-5.00
L0002991	652876.6	4189070.0	-29.47
L0002991	652874.9	4189094.7	-43.04
L0002991	652873.2	4189119.5	-19.79
L0002992	652874.9	4189094.7	-4.70
L0002992	652873.2	4189119.5	-29.19
L0002992	652871.5	4189144.2	-43.31
L0002992	652869.8	4189168.9	-20.11
L0002993	652871.5	4189144.2	-4.40
L0002993	652869.8	4189168.9	-28.91
L0002993	652868.1	4189193.6	-43.59
L0002993	652866.4	4189218.4	-20.42
L0002994	652868.1	4189193.6	-4.10
L0002994	652866.4	4189218.4	-28.62
L0002994	652864.7	4189243.1	-43.86
L0002994	652863.0	4189267.8	-20.74
L0002995	652864.7	4189243.1	-3.80
L0002995	652863.0	4189267.8	-28.34
L0002995	652861.3	4189292.5	-44.12
L0002995	652859.6	4189317.3	-21.06
L0002996	652861.3	4189292.5	-3.50
L0002996	652859.6	4189317.3	-28.06
L0002996	652857.9	4189342.0	-44.38
L0002996	652856.2	4189366.7	-21.38
L0002997	652857.9	4189342.0	-3.20
L0002997	652856.2	4189366.7	-27.76
L0002997	652854.5	4189391.4	-44.63
L0002997	652852.8	4189416.1	-21.69
L0002998	652854.5	4189391.4	-2.91
L0002998	652852.8	4189416.1	-27.48
L0002998	652851.1	4189440.9	-44.87
L0002998	652849.4	4189465.6	-22.01
L0002999	652851.1	4189440.9	-2.61
L0002999	652849.4	4189465.6	-27.19

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002999	652847.7	4189490.3	-45.11
L0002999	652846.0	4189515.0	-22.33
L0003000	652847.7	4189490.3	-2.30
L0003000	652846.0	4189515.0	-26.90
L0003000	652844.4	4189539.8	-45.33
L0003000	652842.7	4189564.5	-22.64
L0003001	652844.4	4189539.8	-2.00
L0003001	652842.7	4189564.5	-26.62
L0003001	652841.0	4189589.2	-45.54
L0003001	652839.3	4189613.9	-22.97
L0003002	652841.0	4189589.2	-1.70
L0003002	652839.3	4189613.9	-26.32
L0003002	652837.6	4189638.7	-45.74
L0003002	652835.9	4189663.4	-23.28

L0003003	652837.6	4189638.7	-1.40
L0003003	652835.9	4189663.4	-26.03
L0003003	652834.2	4189688.1	-45.92
L0003003	652832.5	4189712.8	-23.60
L0003004	652834.2	4189688.1	-1.10
L0003004	652832.5	4189712.8	-25.74
L0003004	652830.8	4189737.6	-46.09
L0003004	652829.1	4189762.3	-23.91
L0003004	652827.4	4189787.0	0.74
L0003005	652830.8	4189737.6	-0.80
L0003005	652829.1	4189762.3	-25.45
L0003005	652827.4	4189787.0	-46.23
L0003005	652825.7	4189811.7	-24.23
L0003005	652824.0	4189836.5	0.43
L0003006	652827.4	4189787.0	-0.49
L0003006	652825.7	4189811.7	-25.16
L0003006	652824.0	4189836.5	-46.36
L0003006	652822.3	4189861.2	-24.54
L0003006	652820.6	4189885.9	0.11
L0003007	652824.0	4189836.5	-0.19
L0003007	652822.3	4189861.2	-24.86
L0003007	652820.6	4189885.9	-46.45
L0003007	652818.9	4189910.6	-24.87
L0003007	652817.2	4189935.4	-0.20
L0003008	652820.6	4189885.9	0.11
L0003008	652818.9	4189910.6	-24.56

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003008	652817.2	4189935.4	-46.51
L0003008	652815.5	4189960.1	-25.18
L0003008	652813.8	4189984.8	-0.51
L0003009	652817.2	4189935.4	0.41
L0003009	652815.5	4189960.1	-24.27
L0003009	652813.8	4189984.8	-46.55
L0003009	652812.1	4190009.5	-25.50
L0003009	652810.4	4190034.3	-0.82
L0003010	652813.8	4189984.8	0.71
L0003010	652812.1	4190009.5	-23.98
L0003010	652810.4	4190034.3	-46.56
L0003010	652808.7	4190059.0	-25.81
L0003010	652807.0	4190083.7	-1.14
L0003011	652808.7	4190059.0	-23.68
L0003011	652807.0	4190083.7	-46.54
L0003011	652805.3	4190108.4	-26.12
L0003011	652803.7	4190133.1	-1.45
L0003012	652805.3	4190108.4	-23.38
L0003012	652803.7	4190133.1	-46.49
L0003012	652802.0	4190157.9	-26.44
L0003012	652800.3	4190182.6	-1.76
L0003013	652802.0	4190157.9	-23.09
L0003013	652800.3	4190182.6	-46.41
L0003013	652798.6	4190207.3	-26.76
L0003013	652796.9	4190232.0	-2.07
L0003014	652798.6	4190207.3	-22.78
L0003014	652796.9	4190232.0	-46.29
L0003014	652795.2	4190256.8	-27.08
L0003014	652793.5	4190281.5	-2.38
L0003015	652795.2	4190256.8	-22.49
L0003015	652793.5	4190281.5	-46.17
L0003015	652791.8	4190306.2	-27.39
L0003015	652790.1	4190330.9	-2.69
L0003016	652791.8	4190306.2	-22.19
L0003016	652790.1	4190330.9	-46.01
L0003016	652788.4	4190355.7	-27.71
L0003016	652786.7	4190380.4	-3.02
L0003017	652788.4	4190355.7	-21.89
L0003017	652786.7	4190380.4	-45.84
L0003017	652785.0	4190405.1	-28.02

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003017	652783.3	4190429.8	-3.33
L0003018	652785.0	4190405.1	-21.60
L0003018	652783.3	4190429.8	-45.65
L0003018	652781.6	4190454.6	-28.33
L0003018	652779.9	4190479.3	-3.64
L0003019	652781.6	4190454.6	-21.30
L0003019	652779.9	4190479.3	-45.44
L0003019	652778.2	4190504.0	-28.66
L0003019	652776.5	4190528.7	-3.95
L0003020	652778.2	4190504.0	-20.99
L0003020	652776.5	4190528.7	-45.23
L0003020	652774.8	4190553.5	-28.97
L0003020	652773.1	4190578.2	-4.26
L0003021	652774.8	4190553.5	-20.69
L0003021	652773.1	4190578.2	-45.00
L0003021	652771.4	4190602.9	-29.29

L0003021	652769.7	4190627.6	-4.58
L0003022	652771.4	4190602.9	-20.39
L0003022	652769.7	4190627.6	-44.75
L0003022	652768.0	4190652.4	-29.60
L0003022	652766.3	4190677.1	-4.89
L0003023	652768.0	4190652.4	-20.09
L0003023	652766.3	4190677.1	-44.51
L0003023	652764.7	4190701.8	-29.91
L0003023	652763.0	4190726.5	-5.20
L0003024	652764.7	4190701.8	-19.79
L0003024	652763.0	4190726.5	-44.25
L0003024	652761.2	4190751.3	-30.23
L0003024	652759.6	4190776.0	-5.51
L0003025	652764.7	4190701.8	-21.23
L0003025	652763.0	4190726.5	-39.31
L0003025	652761.2	4190751.3	-24.76
L0003025	652759.6	4190776.0	-1.11
L0003026	652768.0	4190652.4	-21.48
L0003026	652766.3	4190677.1	-39.27
L0003026	652764.7	4190701.8	-24.44
L0003026	652763.0	4190726.5	-0.79
L0003027	652771.4	4190602.9	-21.73
L0003027	652769.7	4190627.6	-39.21
L0003027	652768.0	4190652.4	-24.12

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003027	652766.3	4190677.1	-0.47
L0003028	652774.8	4190553.5	-21.98
L0003028	652773.1	4190578.2	-39.15
L0003028	652771.4	4190602.9	-23.80
L0003028	652769.7	4190627.6	-0.15
L0003029	652778.2	4190504.0	-22.22
L0003029	652776.5	4190528.7	-39.08
L0003029	652774.8	4190553.5	-23.48
L0003029	652773.1	4190578.2	0.18
L0003030	652781.6	4190454.6	-22.47
L0003030	652779.9	4190479.3	-39.00
L0003030	652778.2	4190504.0	-23.16
L0003030	652776.5	4190528.7	0.50
L0003031	652786.7	4190380.4	0.96
L0003031	652785.0	4190405.1	-22.71
L0003031	652783.3	4190429.8	-38.90
L0003031	652781.6	4190454.6	-22.83
L0003031	652779.9	4190479.3	0.82
L0003032	652790.1	4190330.9	0.67
L0003032	652788.4	4190355.7	-22.96
L0003032	652786.7	4190380.4	-38.80
L0003032	652785.0	4190405.1	-22.51
L0003033	652793.5	4190281.5	0.39
L0003033	652791.8	4190306.2	-23.19
L0003033	652790.1	4190330.9	-38.69
L0003033	652788.4	4190355.7	-22.20
L0003034	652796.9	4190232.0	0.11
L0003034	652795.2	4190256.8	-23.43
L0003034	652793.5	4190281.5	-38.57
L0003034	652791.8	4190306.2	-21.88
L0003035	652800.3	4190182.6	-0.16
L0003035	652798.6	4190207.3	-23.66
L0003035	652796.9	4190232.0	-38.45
L0003035	652795.2	4190256.8	-21.56
L0003036	652803.7	4190133.1	-0.44
L0003036	652802.0	4190157.9	-23.91
L0003036	652800.3	4190182.6	-38.32
L0003036	652798.6	4190207.3	-21.23
L0003037	652807.0	4190083.7	-0.71
L0003037	652805.3	4190108.4	-24.14

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003037	652803.7	4190133.1	-38.18
L0003037	652802.0	4190157.9	-20.90
L0003038	652810.4	4190034.3	-1.00
L0003038	652808.7	4190059.0	-24.36
L0003038	652807.0	4190083.7	-38.03
L0003038	652805.3	4190108.4	-20.58
L0003039	652813.8	4189984.8	-1.27
L0003039	652812.1	4190009.5	-24.60
L0003039	652810.4	4190034.3	-37.88
L0003039	652808.7	4190059.0	-20.26
L0003040	652817.2	4189935.4	-1.55
L0003040	652815.5	4189960.1	-24.82
L0003040	652813.8	4189984.8	-37.72
L0003040	652812.1	4190009.5	-19.95
L0003041	652820.6	4189885.9	-1.82
L0003041	652818.9	4189910.6	-25.04
L0003041	652817.2	4189935.4	-37.55
L0003041	652815.5	4189960.1	-19.63

L0003042	652824.0	4189836.5	-2.09
L0003042	652822.3	4189861.2	-25.27
L0003042	652820.6	4189885.9	-37.38
L0003042	652818.9	4189910.6	-19.31
L0003043	652827.4	4189787.0	-2.36
L0003043	652825.7	4189811.7	-25.49
L0003043	652824.0	4189836.5	-37.20
L0003043	652822.3	4189861.2	-18.98
L0003044	652830.8	4189737.6	-2.64
L0003044	652829.1	4189762.3	-25.70
L0003044	652827.4	4189787.0	-37.02
L0003044	652825.7	4189811.7	-18.65
L0003045	652834.2	4189688.1	-2.91
L0003045	652832.5	4189712.8	-25.92
L0003045	652830.8	4189737.6	-36.82
L0003045	652829.1	4189762.3	-18.33
L0003046	652837.6	4189638.7	-3.18
L0003046	652835.9	4189663.4	-26.13
L0003046	652834.2	4189688.1	-36.63
L0003046	652832.5	4189712.8	-18.02
L0003047	652841.0	4189589.2	-3.45
L0003047	652839.3	4189613.9	-26.34

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003047	652837.6	4189638.7	-36.43
L0003047	652835.9	4189663.4	-17.70
L0003048	652844.4	4189539.8	-3.72
L0003048	652842.7	4189564.5	-26.55
L0003048	652841.0	4189589.2	-36.22
L0003048	652839.3	4189613.9	-17.38
L0003049	652847.7	4189490.3	-3.99
L0003049	652846.0	4189515.0	-26.76
L0003049	652844.4	4189539.8	-36.02
L0003049	652842.7	4189564.5	-17.04
L0003050	652851.1	4189440.9	-4.27
L0003050	652849.4	4189465.6	-26.96
L0003050	652847.7	4189490.3	-35.81
L0003050	652846.0	4189515.0	-16.72
L0003051	652854.5	4189391.4	-4.53
L0003051	652852.8	4189416.1	-27.15
L0003051	652851.1	4189440.9	-35.58
L0003051	652849.4	4189465.6	-16.40
L0003052	652857.9	4189342.0	-4.80
L0003052	652856.2	4189366.7	-27.35
L0003052	652854.5	4189391.4	-35.36
L0003052	652852.8	4189416.1	-16.08
L0003053	652861.3	4189292.5	-5.06
L0003053	652859.6	4189317.3	-27.55
L0003053	652857.9	4189342.0	-35.14
L0003053	652856.2	4189366.7	-15.76
L0003054	652864.7	4189243.1	-5.32
L0003054	652863.0	4189267.8	-27.74
L0003054	652861.3	4189292.5	-34.91
L0003054	652859.6	4189317.3	-15.43
L0003055	652868.1	4189193.6	-5.59
L0003055	652866.4	4189218.4	-27.92
L0003055	652864.7	4189243.1	-34.67
L0003055	652863.0	4189267.8	-15.11
L0003056	652871.5	4189144.2	-5.86
L0003056	652869.8	4189168.9	-28.11
L0003056	652868.1	4189193.6	-34.45
L0003056	652866.4	4189218.4	-14.79
L0003057	652874.9	4189094.7	-6.12
L0003057	652873.2	4189119.5	-28.28

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003057	652871.5	4189144.2	-34.20
L0003057	652869.8	4189168.9	-14.47
L0003058	652878.3	4189045.3	-6.38
L0003058	652876.6	4189070.0	-28.47
L0003058	652874.9	4189094.7	-33.96
L0003058	652873.2	4189119.5	-14.15
L0003059	652881.7	4188995.8	-6.64
L0003059	652880.0	4189020.6	-28.65
L0003059	652878.3	4189045.3	-33.71
L0003059	652876.6	4189070.0	-13.83
L0003060	652885.0	4188946.4	-6.90
L0003060	652883.4	4188971.1	-28.81
L0003060	652881.7	4188995.8	-33.47
L0003060	652880.0	4189020.6	-13.50
L0003061	652888.4	4188896.9	-7.16
L0003061	652886.7	4188921.7	-28.98
L0003061	652885.0	4188946.4	-33.22
L0003061	652883.4	4188971.1	-13.18
L0003062	652891.8	4188847.5	-7.43
L0003062	652890.1	4188872.2	-29.14

L0003062	652888.4	4188896.9	-32.97
L0003062	652886.7	4188921.7	-12.86
L0003063	652895.2	4188798.0	-7.69
L0003063	652893.5	4188822.8	-29.30
L0003063	652891.8	4188847.5	-32.71
L0003063	652890.1	4188872.2	-12.54
L0003064	652891.8	4188749.6	-6.47
L0003064	652898.6	4188748.6	-7.94
L0003064	652896.9	4188773.3	-29.45
L0003064	652895.2	4188798.0	-32.45
L0003064	652893.5	4188822.8	-12.22
L0003065	652891.8	4188749.6	-25.75
L0003065	652898.6	4188748.6	-32.19
L0003065	652895.4	4188700.4	-7.04
L0003065	652893.6	4188725.0	-25.35
L0003065	652896.9	4188773.3	-11.90
L0003066	652898.9	4188651.3	-7.61
L0003066	652897.2	4188675.8	-25.74
L0003066	652895.4	4188700.4	-25.54
L0003066	652893.6	4188725.0	-7.25

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003067	652902.5	4188602.1	-8.18
L0003067	652900.7	4188626.7	-26.13
L0003067	652898.9	4188651.3	-25.32
L0003067	652897.2	4188675.8	-6.78
L0003068	652906.1	4188553.0	-8.75
L0003068	652904.3	4188577.5	-26.50
L0003068	652902.5	4188602.1	-25.07
L0003068	652900.7	4188626.7	-6.31
L0003069	652909.6	4188503.8	-9.31
L0003069	652907.9	4188528.4	-26.86
L0003069	652906.1	4188553.0	-24.82
L0003069	652904.3	4188577.5	-5.84
L0003070	652913.2	4188454.7	-9.87
L0003070	652911.4	4188479.2	-27.22
L0003070	652909.6	4188503.8	-24.56
L0003070	652907.9	4188528.4	-5.36
L0003071	652916.8	4188405.5	-10.43
L0003071	652915.0	4188430.1	-27.55
L0003071	652913.2	4188454.7	-24.29
L0003071	652911.4	4188479.2	-4.88
L0003072	652920.4	4188356.4	-10.99
L0003072	652918.6	4188381.0	-27.88
L0003072	652916.8	4188405.5	-24.00
L0003072	652915.0	4188430.1	-4.38
L0003073	652920.4	4188356.4	-14.48
L0003073	652918.6	4188381.0	-24.28
L0003073	652916.8	4188405.5	-14.22
L0003074	652916.8	4188405.5	-12.55
L0003074	652915.0	4188430.1	-21.92
L0003074	652913.2	4188454.7	-12.68
L0003075	652913.2	4188454.7	-12.08
L0003075	652911.4	4188479.2	-21.83
L0003075	652909.6	4188503.8	-13.00
L0003076	652909.6	4188503.8	-11.62
L0003076	652907.9	4188528.4	-21.72
L0003076	652906.1	4188553.0	-13.32
L0003077	652906.1	4188553.0	-11.14
L0003077	652904.3	4188577.5	-21.59
L0003077	652902.5	4188602.1	-13.63
L0003078	652902.5	4188602.1	-10.68

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003078	652900.7	4188626.7	-21.46
L0003078	652898.9	4188651.3	-13.93
L0003079	652898.9	4188651.3	-10.19
L0003079	652897.2	4188675.8	-21.31
L0003079	652895.4	4188700.4	-14.22
L0003080	652891.8	4188749.6	-14.50
L0003080	652898.6	4188748.6	-20.65
L0003080	652895.4	4188700.4	-9.71
L0003080	652893.6	4188725.0	-21.15
L0003080	652896.9	4188773.3	-0.58
L0003081	652891.8	4188749.6	-9.23
L0003081	652898.6	4188748.6	-12.46
L0003081	652896.9	4188773.3	-27.40
L0003081	652895.2	4188798.0	-20.93
L0003081	652893.5	4188822.8	-0.90
L0003082	652895.2	4188798.0	-12.27
L0003082	652893.5	4188822.8	-27.43
L0003082	652891.8	4188847.5	-21.22
L0003082	652890.1	4188872.2	-1.22
L0003083	652891.8	4188847.5	-12.09
L0003083	652890.1	4188872.2	-27.45
L0003083	652888.4	4188896.9	-21.51

L0003083	652886.7	4188921.7	-1.55
L0003084	652888.4	4188896.9	-11.89
L0003084	652886.7	4188921.7	-27.47
L0003084	652885.0	4188946.4	-21.79
L0003084	652883.4	4188971.1	-1.87
L0003085	652885.0	4188946.4	-11.69
L0003085	652883.4	4188971.1	-27.49
L0003085	652881.7	4188995.8	-22.07
L0003085	652880.0	4189020.6	-2.20
L0003086	652881.7	4188995.8	-11.50
L0003086	652880.0	4189020.6	-27.50
L0003086	652878.3	4189045.3	-22.35
L0003086	652876.6	4189070.0	-2.53
L0003087	652878.3	4189045.3	-11.30
L0003087	652876.6	4189070.0	-27.50
L0003087	652874.9	4189094.7	-22.63
L0003087	652873.2	4189119.5	-2.85
L0003088	652874.9	4189094.7	-11.11

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003088	652873.2	4189119.5	-27.49
L0003088	652871.5	4189144.2	-22.91
L0003088	652869.8	4189168.9	-3.17
L0003089	652871.5	4189144.2	-10.91
L0003089	652869.8	4189168.9	-27.48
L0003089	652868.1	4189193.6	-23.19
L0003089	652866.4	4189218.4	-3.49
L0003090	652868.1	4189193.6	-10.70
L0003090	652866.4	4189218.4	-27.47
L0003090	652864.7	4189243.1	-23.46
L0003090	652863.0	4189267.8	-3.82
L0003091	652864.7	4189243.1	-10.49
L0003091	652863.0	4189267.8	-27.45
L0003091	652861.3	4189292.5	-23.74
L0003091	652859.6	4189317.3	-4.14
L0003092	652861.3	4189292.5	-10.29
L0003092	652859.6	4189317.3	-27.43
L0003092	652857.9	4189342.0	-24.01
L0003092	652856.2	4189366.7	-4.47
L0003093	652857.9	4189342.0	-10.08
L0003093	652856.2	4189366.7	-27.41
L0003093	652854.5	4189391.4	-24.29
L0003093	652852.8	4189416.1	-4.79
L0003094	652854.5	4189391.4	-9.88
L0003094	652852.8	4189416.1	-27.37
L0003094	652851.1	4189440.9	-24.56
L0003094	652849.4	4189465.6	-5.12
L0003095	652851.1	4189440.9	-9.67
L0003095	652849.4	4189465.6	-27.33
L0003095	652847.7	4189490.3	-24.84
L0003095	652846.0	4189515.0	-5.44
L0003096	652847.7	4189490.3	-9.45
L0003096	652846.0	4189515.0	-27.29
L0003096	652844.4	4189539.8	-25.11
L0003096	652842.7	4189564.5	-5.76
L0003097	652844.4	4189539.8	-9.24
L0003097	652842.7	4189564.5	-27.25
L0003097	652841.0	4189589.2	-25.37
L0003097	652839.3	4189613.9	-6.10
L0003098	652841.0	4189589.2	-9.02

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003098	652839.3	4189613.9	-27.20
L0003098	652837.6	4189638.7	-25.63
L0003098	652835.9	4189663.4	-6.42
L0003099	652837.6	4189638.7	-8.80
L0003099	652835.9	4189663.4	-27.15
L0003099	652834.2	4189688.1	-25.90
L0003099	652832.5	4189712.8	-6.74
L0003100	652834.2	4189688.1	-8.59
L0003100	652832.5	4189712.8	-27.09
L0003100	652830.8	4189737.6	-26.17
L0003100	652829.1	4189762.3	-7.06
L0003101	652830.8	4189737.6	-8.37
L0003101	652829.1	4189762.3	-27.02
L0003101	652827.4	4189787.0	-26.43
L0003101	652825.7	4189811.7	-7.38
L0003102	652827.4	4189787.0	-8.14
L0003102	652825.7	4189811.7	-26.95
L0003102	652824.0	4189836.5	-26.69
L0003102	652822.3	4189861.2	-7.71
L0003103	652824.0	4189836.5	-7.92
L0003103	652822.3	4189861.2	-26.88
L0003103	652820.6	4189885.9	-26.95
L0003103	652818.9	4189910.6	-8.04
L0003104	652820.6	4189885.9	-7.70

L0003104	652818.9	4189910.6	-26.80
L0003104	652817.2	4189935.4	-27.20
L0003104	652815.5	4189960.1	-8.36
L0003105	652817.2	4189935.4	-7.47
L0003105	652815.5	4189960.1	-26.72
L0003105	652813.8	4189984.8	-27.46
L0003105	652812.1	4190009.5	-8.68
L0003106	652813.8	4189984.8	-7.25
L0003106	652812.1	4190009.5	-26.64
L0003106	652810.4	4190034.3	-27.71
L0003106	652808.7	4190059.0	-9.00
L0003107	652810.4	4190034.3	-7.02
L0003107	652808.7	4190059.0	-26.54
L0003107	652807.0	4190083.7	-27.97
L0003107	652805.3	4190108.4	-9.33
L0003108	652807.0	4190083.7	-6.79

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003108	652805.3	4190108.4	-26.45
L0003108	652803.7	4190133.1	-28.22
L0003108	652802.0	4190157.9	-9.65
L0003109	652803.7	4190133.1	-6.56
L0003109	652802.0	4190157.9	-26.36
L0003109	652800.3	4190182.6	-28.47
L0003109	652798.6	4190207.3	-9.98
L0003110	652800.3	4190182.6	-6.33
L0003110	652798.6	4190207.3	-26.25
L0003110	652796.9	4190232.0	-28.70
L0003110	652795.2	4190256.8	-10.30
L0003111	652796.9	4190232.0	-6.10
L0003111	652795.2	4190256.8	-26.14
L0003111	652793.5	4190281.5	-28.95
L0003111	652791.8	4190306.2	-10.63
L0003112	652793.5	4190281.5	-5.86
L0003112	652791.8	4190306.2	-26.04
L0003112	652790.1	4190330.9	-29.19
L0003112	652788.4	4190355.7	-10.95
L0003113	652790.1	4190330.9	-5.63
L0003113	652788.4	4190355.7	-25.92
L0003113	652786.7	4190380.4	-29.43
L0003113	652785.0	4190405.1	-11.27
L0003114	652786.7	4190380.4	-5.39
L0003114	652785.0	4190405.1	-25.80
L0003114	652783.3	4190429.8	-29.67
L0003114	652781.6	4190454.6	-11.59
L0003115	652783.3	4190429.8	-5.15
L0003115	652781.6	4190454.6	-25.68
L0003115	652779.9	4190479.3	-29.90
L0003115	652778.2	4190504.0	-11.92
L0003116	652779.9	4190479.3	-4.92
L0003116	652778.2	4190504.0	-25.55
L0003116	652776.5	4190528.7	-30.13
L0003116	652774.8	4190553.5	-12.24
L0003117	652776.5	4190528.7	-4.68
L0003117	652774.8	4190553.5	-25.42
L0003117	652773.1	4190578.2	-30.35
L0003117	652771.4	4190602.9	-12.56
L0003118	652773.1	4190578.2	-4.44

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003118	652771.4	4190602.9	-25.29
L0003118	652769.7	4190627.6	-30.58
L0003118	652768.0	4190652.4	-12.89
L0003119	652769.7	4190627.6	-4.19
L0003119	652768.0	4190652.4	-25.16
L0003119	652766.3	4190677.1	-30.80
L0003119	652764.7	4190701.8	-13.21
L0003120	652766.3	4190677.1	-3.95
L0003120	652764.7	4190701.8	-25.02
L0003120	652763.0	4190726.5	-31.02
L0003120	652761.2	4190751.3	-13.53
L0012976	652923.9	4188307.2	-12.27
L0012976	652922.1	4188331.8	-34.06
L0012976	652920.4	4188356.4	-32.56
L0012976	652918.6	4188381.0	-10.33
L0012977	652920.4	4188356.4	-11.66
L0012977	652918.6	4188381.0	-33.55
L0012977	652916.8	4188405.5	-32.93
L0012977	652915.0	4188430.1	-10.86
L0012978	652916.8	4188405.5	-11.06
L0012978	652915.0	4188430.1	-33.03
L0012978	652913.2	4188454.7	-33.29
L0012978	652911.4	4188479.2	-11.41
L0012979	652913.2	4188454.7	-10.46
L0012979	652911.4	4188479.2	-32.50
L0012979	652909.6	4188503.8	-33.64

L0012979	652907.9	4188528.4	-11.94
L0012980	652909.6	4188503.8	-9.85
L0012980	652907.9	4188528.4	-31.98
L0012980	652906.1	4188553.0	-33.97
L0012980	652904.3	4188577.5	-12.47
L0012981	652906.1	4188553.0	-9.25
L0012981	652904.3	4188577.5	-31.44
L0012981	652902.5	4188602.1	-34.29
L0012981	652900.7	4188626.7	-12.99
L0012982	652902.5	4188602.1	-8.65
L0012982	652900.7	4188626.7	-30.91
L0012982	652898.9	4188651.3	-34.59
L0012982	652897.2	4188675.8	-13.52
L0012983	652898.9	4188651.3	-8.04

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0012983	652897.2	4188675.8	-30.37
L0012983	652895.4	4188700.4	-34.87
L0012983	652893.6	4188725.0	-14.04
L0012984	652891.8	4188749.6	-35.13
L0012984	652898.6	4188748.6	-41.02
L0012984	652895.4	4188700.4	-7.44
L0012984	652893.6	4188725.0	-29.82
L0012984	652896.9	4188773.3	-17.57
L0012985	652891.8	4188749.6	-6.83
L0012985	652898.6	4188748.6	-6.78
L0012985	652896.9	4188773.3	-31.13
L0012985	652895.2	4188798.0	-41.31
L0012985	652893.5	4188822.8	-17.89
L0012986	652895.2	4188798.0	-6.48
L0012986	652893.5	4188822.8	-30.86
L0012986	652891.8	4188847.5	-41.61
L0012986	652890.1	4188872.2	-18.20
L0012987	652891.8	4188847.5	-6.19
L0012987	652890.1	4188872.2	-30.58
L0012987	652888.4	4188896.9	-41.91
L0012987	652886.7	4188921.7	-18.52
L0012988	652888.4	4188896.9	-5.88
L0012988	652886.7	4188921.7	-30.31
L0012988	652885.0	4188946.4	-42.19
L0012988	652883.4	4188971.1	-18.84
L0012989	652885.0	4188946.4	-5.59
L0012989	652883.4	4188971.1	-30.03
L0012989	652881.7	4188995.8	-42.47
L0012989	652880.0	4189020.6	-19.15
L0012990	652881.7	4188995.8	-5.29
L0012990	652880.0	4189020.6	-29.76
L0012990	652878.3	4189045.3	-42.76
L0012990	652876.6	4189070.0	-19.48
L0012991	652878.3	4189045.3	-5.00
L0012991	652876.6	4189070.0	-29.47
L0012991	652874.9	4189094.7	-43.04
L0012991	652873.2	4189119.5	-19.79
L0012992	652874.9	4189094.7	-4.70
L0012992	652873.2	4189119.5	-29.19
L0012992	652871.5	4189144.2	-43.31

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0012992	652869.8	4189168.9	-20.11
L0012993	652871.5	4189144.2	-4.40
L0012993	652869.8	4189168.9	-28.91
L0012993	652868.1	4189193.6	-43.59
L0012993	652866.4	4189218.4	-20.42
L0012994	652868.1	4189193.6	-4.10
L0012994	652866.4	4189218.4	-28.62
L0012994	652864.7	4189243.1	-43.86
L0012994	652863.0	4189267.8	-20.74
L0012995	652864.7	4189243.1	-3.80
L0012995	652863.0	4189267.8	-28.34
L0012995	652861.3	4189292.5	-44.12
L0012995	652859.6	4189317.3	-21.06
L0012996	652861.3	4189292.5	-3.50
L0012996	652859.6	4189317.3	-28.06
L0012996	652857.9	4189342.0	-44.38
L0012996	652856.2	4189366.7	-21.38
L0012997	652857.9	4189342.0	-3.20
L0012997	652856.2	4189366.7	-27.76
L0012997	652854.5	4189391.4	-44.63
L0012997	652852.8	4189416.1	-21.69
L0012998	652854.5	4189391.4	-2.91
L0012998	652852.8	4189416.1	-27.48
L0012998	652851.1	4189440.9	-44.87
L0012998	652849.4	4189465.6	-22.01
L0012999	652851.1	4189440.9	-2.61
L0012999	652849.4	4189465.6	-27.19
L0012999	652847.7	4189490.3	-45.11

L0012999	652846.0	4189515.0	-22.33
L0013000	652847.7	4189490.3	-2.30
L0013000	652846.0	4189515.0	-26.90
L0013000	652844.4	4189539.8	-45.33
L0013000	652842.7	4189564.5	-22.64
L0013001	652844.4	4189539.8	-2.00
L0013001	652842.7	4189564.5	-26.62
L0013001	652841.0	4189589.2	-45.54
L0013001	652839.3	4189613.9	-22.97
L0013002	652841.0	4189589.2	-1.70
L0013002	652839.3	4189613.9	-26.32
L0013002	652837.6	4189638.7	-45.74

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013002	652835.9	4189663.4	-23.28
L0013003	652837.6	4189638.7	-1.40
L0013003	652835.9	4189663.4	-26.03
L0013003	652834.2	4189688.1	-45.92
L0013003	652832.5	4189712.8	-23.60
L0013004	652834.2	4189688.1	-1.10
L0013004	652832.5	4189712.8	-25.74
L0013004	652830.8	4189737.6	-46.09
L0013004	652829.1	4189762.3	-23.91
L0013004	652827.4	4189787.0	0.74
L0013005	652830.8	4189737.6	-0.80
L0013005	652829.1	4189762.3	-25.45
L0013005	652827.4	4189787.0	-46.23
L0013005	652825.7	4189811.7	-24.23
L0013005	652824.0	4189836.5	0.43
L0013006	652827.4	4189787.0	-0.49
L0013006	652825.7	4189811.7	-25.16
L0013006	652824.0	4189836.5	-46.36
L0013006	652822.3	4189861.2	-24.54
L0013006	652820.6	4189885.9	0.11
L0013007	652824.0	4189836.5	-0.19
L0013007	652822.3	4189861.2	-24.86
L0013007	652820.6	4189885.9	-46.45
L0013007	652818.9	4189910.6	-24.87
L0013007	652817.2	4189935.4	-0.20
L0013008	652820.6	4189885.9	0.11
L0013008	652818.9	4189910.6	-24.56
L0013008	652817.2	4189935.4	-46.51
L0013008	652815.5	4189960.1	-25.18
L0013008	652813.8	4189984.8	-0.51
L0013009	652817.2	4189935.4	0.41
L0013009	652815.5	4189960.1	-24.27
L0013009	652813.8	4189984.8	-46.55
L0013009	652812.1	4190009.5	-25.50
L0013009	652810.4	4190034.3	-0.82
L0013010	652813.8	4189984.8	0.71
L0013010	652812.1	4190009.5	-23.98
L0013010	652810.4	4190034.3	-46.56
L0013010	652808.7	4190059.0	-25.81
L0013010	652807.0	4190083.7	-1.14

**MODELOPTs: NonDFAULT CONC FLAT
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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013011	652808.7	4190059.0	-23.68
L0013011	652807.0	4190083.7	-46.54
L0013011	652805.3	4190108.4	-26.12
L0013011	652803.7	4190133.1	-1.45
L0013012	652805.3	4190108.4	-23.38
L0013012	652803.7	4190133.1	-46.49
L0013012	652802.0	4190157.9	-26.44
L0013012	652800.3	4190182.6	-1.76
L0013013	652802.0	4190157.9	-23.09
L0013013	652800.3	4190182.6	-46.41
L0013013	652798.6	4190207.3	-26.76
L0013013	652796.9	4190232.0	-2.07
L0013014	652798.6	4190207.3	-22.78
L0013014	652796.9	4190232.0	-46.29
L0013014	652795.2	4190256.8	-27.08
L0013014	652793.5	4190281.5	-2.38
L0013015	652795.2	4190256.8	-22.49
L0013015	652793.5	4190281.5	-46.17
L0013015	652791.8	4190306.2	-27.39
L0013015	652790.1	4190330.9	-2.69
L0013016	652791.8	4190306.2	-22.19
L0013016	652790.1	4190330.9	-46.01
L0013016	652788.4	4190355.7	-27.71
L0013016	652786.7	4190380.4	-3.02
L0013017	652788.4	4190355.7	-21.89
L0013017	652786.7	4190380.4	-45.84
L0013017	652785.0	4190405.1	-28.02
L0013017	652783.3	4190429.8	-3.33
L0013018	652785.0	4190405.1	-21.60
L0013018	652783.3	4190429.8	-45.65

Lathrop4b

L0013018	652781.6	4190454.6	-28.33
L0013018	652779.9	4190479.3	-3.64
L0013019	652781.6	4190454.6	-21.30
L0013019	652779.9	4190479.3	-45.44
L0013019	652778.2	4190504.0	-28.66
L0013019	652776.5	4190528.7	-3.95
L0013020	652778.2	4190504.0	-20.99
L0013020	652776.5	4190528.7	-45.23
L0013020	652774.8	4190553.5	-28.97
L0013020	652773.1	4190578.2	-4.26

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013021	652774.8	4190553.5	-20.69
L0013021	652773.1	4190578.2	-45.00
L0013021	652771.4	4190602.9	-29.29
L0013021	652769.7	4190627.6	-4.58
L0013022	652771.4	4190602.9	-20.39
L0013022	652769.7	4190627.6	-44.75
L0013022	652768.0	4190652.4	-29.60
L0013022	652766.3	4190677.1	-4.89
L0013023	652768.0	4190652.4	-20.09
L0013023	652766.3	4190677.1	-44.51
L0013023	652764.7	4190701.8	-29.91
L0013023	652763.0	4190726.5	-5.20
L0013024	652764.7	4190701.8	-19.79
L0013024	652763.0	4190726.5	-44.25
L0013024	652761.2	4190751.3	-30.23
L0013024	652759.6	4190776.0	-5.51
L0013025	652764.7	4190701.8	-21.23
L0013025	652763.0	4190726.5	-39.31
L0013025	652761.2	4190751.3	-24.76
L0013025	652759.6	4190776.0	-1.11
L0013026	652768.0	4190652.4	-21.48
L0013026	652766.3	4190677.1	-39.27
L0013026	652764.7	4190701.8	-24.44
L0013026	652763.0	4190726.5	-0.79
L0013027	652771.4	4190602.9	-21.73
L0013027	652769.7	4190627.6	-39.21
L0013027	652768.0	4190652.4	-24.12
L0013027	652766.3	4190677.1	-0.47
L0013028	652774.8	4190553.5	-21.98
L0013028	652773.1	4190578.2	-39.15
L0013028	652771.4	4190602.9	-23.80
L0013028	652769.7	4190627.6	-0.15
L0013029	652778.2	4190504.0	-22.22
L0013029	652776.5	4190528.7	-39.08
L0013029	652774.8	4190553.5	-23.48
L0013029	652773.1	4190578.2	0.18
L0013030	652781.6	4190454.6	-22.47
L0013030	652779.9	4190479.3	-39.00
L0013030	652778.2	4190504.0	-23.16
L0013030	652776.5	4190528.7	0.50

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013031	652786.7	4190380.4	0.96
L0013031	652785.0	4190405.1	-22.71
L0013031	652783.3	4190429.8	-38.90
L0013031	652781.6	4190454.6	-22.83
L0013031	652779.9	4190479.3	0.82
L0013032	652790.1	4190330.9	0.67
L0013032	652788.4	4190355.7	-22.96
L0013032	652786.7	4190380.4	-38.80
L0013032	652785.0	4190405.1	-22.51
L0013033	652793.5	4190281.5	0.39
L0013033	652791.8	4190306.2	-23.19
L0013033	652790.1	4190330.9	-38.69
L0013033	652788.4	4190355.7	-22.20
L0013034	652796.9	4190232.0	0.11
L0013034	652795.2	4190256.8	-23.43
L0013034	652793.5	4190281.5	-38.57
L0013034	652791.8	4190306.2	-21.88
L0013035	652800.3	4190182.6	-0.16
L0013035	652798.6	4190207.3	-23.66
L0013035	652796.9	4190232.0	-38.45
L0013035	652795.2	4190256.8	-21.56
L0013036	652803.7	4190133.1	-0.44
L0013036	652802.0	4190157.9	-23.91
L0013036	652800.3	4190182.6	-38.32
L0013036	652798.6	4190207.3	-21.23
L0013037	652807.0	4190083.7	-0.71
L0013037	652805.3	4190108.4	-24.14
L0013037	652803.7	4190133.1	-38.18
L0013037	652802.0	4190157.9	-20.90
L0013038	652810.4	4190034.3	-1.00
L0013038	652808.7	4190059.0	-24.36
L0013038	652807.0	4190083.7	-38.03

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L0013038	652805.3	4190108.4	-20.58
L0013039	652813.8	4189984.8	-1.27
L0013039	652812.1	4190009.5	-24.60
L0013039	652810.4	4190034.3	-37.88
L0013039	652808.7	4190059.0	-20.26
L0013040	652817.2	4189935.4	-1.55
L0013040	652815.5	4189960.1	-24.82
L0013040	652813.8	4189984.8	-37.72

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013040	652812.1	4190009.5	-19.95
L0013041	652820.6	4189885.9	-1.82
L0013041	652818.9	4189910.6	-25.04
L0013041	652817.2	4189935.4	-37.55
L0013041	652815.5	4189960.1	-19.63
L0013042	652824.0	4189836.5	-2.09
L0013042	652822.3	4189861.2	-25.27
L0013042	652820.6	4189885.9	-37.38
L0013042	652818.9	4189910.6	-19.31
L0013043	652827.4	4189787.0	-2.36
L0013043	652825.7	4189811.7	-25.49
L0013043	652824.0	4189836.5	-37.20
L0013043	652822.3	4189861.2	-18.98
L0013044	652830.8	4189737.6	-2.64
L0013044	652829.1	4189762.3	-25.70
L0013044	652827.4	4189787.0	-37.02
L0013044	652825.7	4189811.7	-18.65
L0013045	652834.2	4189688.1	-2.91
L0013045	652832.5	4189712.8	-25.92
L0013045	652830.8	4189737.6	-36.82
L0013045	652829.1	4189762.3	-18.33
L0013046	652837.6	4189638.7	-3.18
L0013046	652835.9	4189663.4	-26.13
L0013046	652834.2	4189688.1	-36.63
L0013046	652832.5	4189712.8	-18.02
L0013047	652841.0	4189589.2	-3.45
L0013047	652839.3	4189613.9	-26.34
L0013047	652837.6	4189638.7	-36.43
L0013047	652835.9	4189663.4	-17.70
L0013048	652844.4	4189539.8	-3.72
L0013048	652842.7	4189564.5	-26.55
L0013048	652841.0	4189589.2	-36.22
L0013048	652839.3	4189613.9	-17.38
L0013049	652847.7	4189490.3	-3.99
L0013049	652846.0	4189515.0	-26.76
L0013049	652844.4	4189539.8	-36.02
L0013049	652842.7	4189564.5	-17.04
L0013050	652851.1	4189440.9	-4.27
L0013050	652849.4	4189465.6	-26.96
L0013050	652847.7	4189490.3	-35.81

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013050	652846.0	4189515.0	-16.72
L0013051	652854.5	4189391.4	-4.53
L0013051	652852.8	4189416.1	-27.15
L0013051	652851.1	4189440.9	-35.58
L0013051	652849.4	4189465.6	-16.40
L0013052	652857.9	4189342.0	-4.80
L0013052	652856.2	4189366.7	-27.35
L0013052	652854.5	4189391.4	-35.36
L0013052	652852.8	4189416.1	-16.08
L0013053	652861.3	4189292.5	-5.06
L0013053	652859.6	4189317.3	-27.55
L0013053	652857.9	4189342.0	-35.14
L0013053	652856.2	4189366.7	-15.76
L0013054	652864.7	4189243.1	-5.32
L0013054	652863.0	4189267.8	-27.74
L0013054	652861.3	4189292.5	-34.91
L0013054	652859.6	4189317.3	-15.43
L0013055	652868.1	4189193.6	-5.59
L0013055	652866.4	4189218.4	-27.92
L0013055	652864.7	4189243.1	-34.67
L0013055	652863.0	4189267.8	-15.11
L0013056	652871.5	4189144.2	-5.86
L0013056	652869.8	4189168.9	-28.11
L0013056	652868.1	4189193.6	-34.45
L0013056	652866.4	4189218.4	-14.79
L0013057	652874.9	4189094.7	-6.12
L0013057	652873.2	4189119.5	-28.28
L0013057	652871.5	4189144.2	-34.20
L0013057	652869.8	4189168.9	-14.47
L0013058	652878.3	4189045.3	-6.38
L0013058	652876.6	4189070.0	-28.47
L0013058	652874.9	4189094.7	-33.96
L0013058	652873.2	4189119.5	-14.15
L0013059	652881.7	4188995.8	-6.64

L0013059	652880.0	4189020.6	-28.65
L0013059	652878.3	4189045.3	-33.71
L0013059	652876.6	4189070.0	-13.83
L0013060	652885.0	4188946.4	-6.90
L0013060	652883.4	4188971.1	-28.81
L0013060	652881.7	4188995.8	-33.47

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013060	652880.0	4189020.6	-13.50
L0013061	652888.4	4188896.9	-7.16
L0013061	652886.7	4188921.7	-28.98
L0013061	652885.0	4188946.4	-33.22
L0013061	652883.4	4188971.1	-13.18
L0013062	652891.8	4188847.5	-7.43
L0013062	652890.1	4188872.2	-29.14
L0013062	652888.4	4188896.9	-32.97
L0013062	652886.7	4188921.7	-12.86
L0013063	652895.2	4188798.0	-7.69
L0013063	652893.5	4188822.8	-29.30
L0013063	652891.8	4188847.5	-32.71
L0013063	652890.1	4188872.2	-12.54
L0013064	652891.8	4188749.6	-6.47
L0013064	652898.6	4188748.6	-7.94
L0013064	652896.9	4188773.3	-29.45
L0013064	652895.2	4188798.0	-32.45
L0013064	652893.5	4188822.8	-12.22
L0013065	652891.8	4188749.6	-25.75
L0013065	652898.6	4188748.6	-32.19
L0013065	652895.4	4188700.4	-7.04
L0013065	652893.6	4188725.0	-25.35
L0013065	652896.9	4188773.3	-11.90
L0013066	652898.9	4188651.3	-7.61
L0013066	652897.2	4188675.8	-25.74
L0013066	652895.4	4188700.4	-25.54
L0013066	652893.6	4188725.0	-7.25
L0013067	652902.5	4188602.1	-8.18
L0013067	652900.7	4188626.7	-26.13
L0013067	652898.9	4188651.3	-25.32
L0013067	652897.2	4188675.8	-6.78
L0013068	652906.1	4188553.0	-8.75
L0013068	652904.3	4188577.5	-26.50
L0013068	652902.5	4188602.1	-25.07
L0013068	652900.7	4188626.7	-6.31
L0013069	652909.6	4188503.8	-9.31
L0013069	652907.9	4188528.4	-26.86
L0013069	652906.1	4188553.0	-24.82
L0013069	652904.3	4188577.5	-5.84
L0013070	652913.2	4188454.7	-9.87

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013070	652911.4	4188479.2	-27.22
L0013070	652909.6	4188503.8	-24.56
L0013070	652907.9	4188528.4	-5.36
L0013071	652916.8	4188405.5	-10.43
L0013071	652915.0	4188430.1	-27.55
L0013071	652913.2	4188454.7	-24.29
L0013071	652911.4	4188479.2	-4.88
L0013072	652920.4	4188356.4	-10.99
L0013072	652918.6	4188381.0	-27.88
L0013072	652916.8	4188405.5	-24.00
L0013072	652915.0	4188430.1	-4.38
L0013073	652920.4	4188356.4	-14.48
L0013073	652918.6	4188381.0	-24.28
L0013073	652916.8	4188405.5	-14.22
L0013074	652916.8	4188405.5	-12.55
L0013074	652915.0	4188430.1	-21.92
L0013074	652913.2	4188454.7	-12.68
L0013075	652913.2	4188454.7	-12.08
L0013075	652911.4	4188479.2	-21.83
L0013075	652909.6	4188503.8	-13.00
L0013076	652909.6	4188503.8	-11.62
L0013076	652907.9	4188528.4	-21.72
L0013076	652906.1	4188553.0	-13.32
L0013077	652906.1	4188553.0	-11.14
L0013077	652904.3	4188577.5	-21.59
L0013077	652902.5	4188602.1	-13.63
L0013078	652902.5	4188602.1	-10.68
L0013078	652900.7	4188626.7	-21.46
L0013078	652898.9	4188651.3	-13.93
L0013079	652898.9	4188651.3	-10.19
L0013079	652897.2	4188675.8	-21.31
L0013079	652895.4	4188700.4	-14.22
L0013080	652891.8	4188749.6	-14.50
L0013080	652898.6	4188748.6	-20.65
L0013080	652895.4	4188700.4	-9.71
L0013080	652893.6	4188725.0	-21.15

L0013080	652896.9	4188773.3	-0.58
L0013081	652891.8	4188749.6	-9.23
L0013081	652898.6	4188748.6	-12.46
L0013081	652896.9	4188773.3	-27.40

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013081	652895.2	4188798.0	-20.93
L0013081	652893.5	4188822.8	-0.90
L0013082	652895.2	4188798.0	-12.27
L0013082	652893.5	4188822.8	-27.43
L0013082	652891.8	4188847.5	-21.22
L0013082	652890.1	4188872.2	-1.22
L0013083	652891.8	4188847.5	-12.09
L0013083	652890.1	4188872.2	-27.45
L0013083	652888.4	4188896.9	-21.51
L0013083	652886.7	4188921.7	-1.55
L0013084	652888.4	4188896.9	-11.89
L0013084	652886.7	4188921.7	-27.47
L0013084	652885.0	4188946.4	-21.79
L0013084	652883.4	4188971.1	-1.87
L0013085	652885.0	4188946.4	-11.69
L0013085	652883.4	4188971.1	-27.49
L0013085	652881.7	4188995.8	-22.07
L0013085	652880.0	4189020.6	-2.20
L0013086	652881.7	4188995.8	-11.50
L0013086	652880.0	4189020.6	-27.50
L0013086	652878.3	4189045.3	-22.35
L0013086	652876.6	4189070.0	-2.53
L0013087	652878.3	4189045.3	-11.30
L0013087	652876.6	4189070.0	-27.50
L0013087	652874.9	4189094.7	-22.63
L0013087	652873.2	4189119.5	-2.85
L0013088	652874.9	4189094.7	-11.11
L0013088	652873.2	4189119.5	-27.49
L0013088	652871.5	4189144.2	-22.91
L0013088	652869.8	4189168.9	-3.17
L0013089	652871.5	4189144.2	-10.91
L0013089	652869.8	4189168.9	-27.48
L0013089	652868.1	4189193.6	-23.19
L0013089	652866.4	4189218.4	-3.49
L0013090	652868.1	4189193.6	-10.70
L0013090	652866.4	4189218.4	-27.47
L0013090	652864.7	4189243.1	-23.46
L0013090	652863.0	4189267.8	-3.82
L0013091	652864.7	4189243.1	-10.49
L0013091	652863.0	4189267.8	-27.45

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013091	652861.3	4189292.5	-23.74
L0013091	652859.6	4189317.3	-4.14
L0013092	652861.3	4189292.5	-10.29
L0013092	652859.6	4189317.3	-27.43
L0013092	652857.9	4189342.0	-24.01
L0013092	652856.2	4189366.7	-4.47
L0013093	652857.9	4189342.0	-10.08
L0013093	652856.2	4189366.7	-27.41
L0013093	652854.5	4189391.4	-24.29
L0013093	652852.8	4189416.1	-4.79
L0013094	652854.5	4189391.4	-9.88
L0013094	652852.8	4189416.1	-27.37
L0013094	652851.1	4189440.9	-24.56
L0013094	652849.4	4189465.6	-5.12
L0013095	652851.1	4189440.9	-9.67
L0013095	652849.4	4189465.6	-27.33
L0013095	652847.7	4189490.3	-24.84
L0013095	652846.0	4189515.0	-5.44
L0013096	652847.7	4189490.3	-9.45
L0013096	652846.0	4189515.0	-27.29
L0013096	652844.4	4189539.8	-25.11
L0013096	652842.7	4189564.5	-5.76
L0013097	652844.4	4189539.8	-9.24
L0013097	652842.7	4189564.5	-27.25
L0013097	652841.0	4189589.2	-25.37
L0013097	652839.3	4189613.9	-6.10
L0013098	652841.0	4189589.2	-9.02
L0013098	652839.3	4189613.9	-27.20
L0013098	652837.6	4189638.7	-25.63
L0013098	652835.9	4189663.4	-6.42
L0013099	652837.6	4189638.7	-8.80
L0013099	652835.9	4189663.4	-27.15
L0013099	652834.2	4189688.1	-25.90
L0013099	652832.5	4189712.8	-6.74
L0013100	652834.2	4189688.1	-8.59
L0013100	652832.5	4189712.8	-27.09
L0013100	652830.8	4189737.6	-26.17
L0013100	652829.1	4189762.3	-7.06

L0013101	652830.8	4189737.6	-8.37
L0013101	652829.1	4189762.3	-27.02

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013101	652827.4	4189787.0	-26.43
L0013101	652825.7	4189811.7	-7.38
L0013102	652827.4	4189787.0	-8.14
L0013102	652825.7	4189811.7	-26.95
L0013102	652824.0	4189836.5	-26.69
L0013102	652822.3	4189861.2	-7.71
L0013103	652824.0	4189836.5	-7.92
L0013103	652822.3	4189861.2	-26.88
L0013103	652820.6	4189885.9	-26.95
L0013103	652818.9	4189910.6	-8.04
L0013104	652820.6	4189885.9	-7.70
L0013104	652818.9	4189910.6	-26.80
L0013104	652817.2	4189935.4	-27.20
L0013104	652815.5	4189960.1	-8.36
L0013105	652817.2	4189935.4	-7.47
L0013105	652815.5	4189960.1	-26.72
L0013105	652813.8	4189984.8	-27.46
L0013105	652812.1	4190009.5	-8.68
L0013106	652813.8	4189984.8	-7.25
L0013106	652812.1	4190009.5	-26.64
L0013106	652810.4	4190034.3	-27.71
L0013106	652808.7	4190059.0	-9.00
L0013107	652810.4	4190034.3	-7.02
L0013107	652808.7	4190059.0	-26.54
L0013107	652807.0	4190083.7	-27.97
L0013107	652805.3	4190108.4	-9.33
L0013108	652807.0	4190083.7	-6.79
L0013108	652805.3	4190108.4	-26.45
L0013108	652803.7	4190133.1	-28.22
L0013108	652802.0	4190157.9	-9.65
L0013109	652803.7	4190133.1	-6.56
L0013109	652802.0	4190157.9	-26.36
L0013109	652800.3	4190182.6	-28.47
L0013109	652798.6	4190207.3	-9.98
L0013110	652800.3	4190182.6	-6.33
L0013110	652798.6	4190207.3	-26.25
L0013110	652796.9	4190232.0	-28.70
L0013110	652795.2	4190256.8	-10.30
L0013111	652796.9	4190232.0	-6.10
L0013111	652795.2	4190256.8	-26.14

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0013111	652793.5	4190281.5	-28.95
L0013111	652791.8	4190306.2	-10.63
L0013112	652793.5	4190281.5	-5.86
L0013112	652791.8	4190306.2	-26.04
L0013112	652790.1	4190330.9	-29.19
L0013112	652788.4	4190355.7	-10.95
L0013113	652790.1	4190330.9	-5.63
L0013113	652788.4	4190355.7	-25.92
L0013113	652786.7	4190380.4	-29.43
L0013113	652785.0	4190405.1	-11.27
L0013114	652786.7	4190380.4	-5.39
L0013114	652785.0	4190405.1	-25.80
L0013114	652783.3	4190429.8	-29.67
L0013114	652781.6	4190454.6	-11.59
L0013115	652783.3	4190429.8	-5.15
L0013115	652781.6	4190454.6	-25.68
L0013115	652779.9	4190479.3	-29.90
L0013115	652778.2	4190504.0	-11.92
L0013116	652779.9	4190479.3	-4.92
L0013116	652778.2	4190504.0	-25.55
L0013116	652776.5	4190528.7	-30.13
L0013116	652774.8	4190553.5	-12.24
L0013117	652776.5	4190528.7	-4.68
L0013117	652774.8	4190553.5	-25.42
L0013117	652773.1	4190578.2	-30.35
L0013117	652771.4	4190602.9	-12.56
L0013118	652773.1	4190578.2	-4.44
L0013118	652771.4	4190602.9	-25.29
L0013118	652769.7	4190627.6	-30.58
L0013118	652768.0	4190652.4	-12.89
L0013119	652769.7	4190627.6	-4.19
L0013119	652768.0	4190652.4	-25.16
L0013119	652766.3	4190677.1	-30.80
L0013119	652764.7	4190701.8	-13.21
L0013120	652766.3	4190677.1	-3.95
L0013120	652764.7	4190701.8	-25.02
L0013120	652763.0	4190726.5	-31.02
L0013120	652761.2	4190751.3	-13.53
L0003127	652658.0	4191223.0	-6.56
L0003128	652658.0	4191223.0	-32.57

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003129	652730.7	4191196.3	-30.36
L0003129	652732.4	4191171.6	-8.42
L0003129	652755.5	4191197.1	-9.05
L0003130	652730.7	4191196.3	-10.96
L0003130	652755.5	4191197.1	-32.02
L0003130	652780.3	4191197.9	-30.81
L0003130	652805.1	4191198.7	-9.29
L0003131	652780.3	4191197.9	-11.12
L0003131	652805.1	4191198.7	-32.44
L0003131	652829.8	4191199.5	-31.25
L0003131	652854.6	4191200.3	-9.52
L0003132	652829.8	4191199.5	-11.28
L0003132	652854.6	4191200.3	-32.84
L0003132	652879.4	4191201.2	-31.69
L0003132	652904.2	4191202.0	-9.73
L0003133	652879.4	4191201.2	-11.43
L0003133	652904.2	4191202.0	-33.25
L0003133	652928.9	4191202.8	-32.12
L0003133	652953.7	4191203.6	-9.95
L0003134	652928.9	4191202.8	-18.60
L0003134	652953.7	4191203.6	-41.89
L0003134	652978.5	4191204.4	-29.97
L0003134	653003.3	4191205.2	-5.56
L0003135	652953.7	4191203.6	-4.64
L0003135	652978.5	4191204.4	-1.46
L0003139	653043.6	4190983.8	0.51
L0003151	653085.2	4190391.2	-3.55
L0003151	653086.9	4190366.5	-1.38
L0003152	653088.6	4190341.8	-5.95
L0003152	653090.3	4190317.1	-3.65
L0003153	653092.1	4190292.4	-5.62
L0003153	653093.8	4190267.8	-3.40
L0003154	653095.5	4190243.1	-5.30
L0003154	653097.3	4190218.4	-3.15
L0003155	653099.0	4190193.7	-9.17
L0003155	653100.7	4190169.0	-6.62
L0003156	653097.3	4190218.4	-13.89
L0003156	653099.0	4190193.7	-32.18
L0003156	653100.7	4190169.0	-26.02
L0003156	653102.5	4190144.3	-4.51

**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003157	653093.8	4190267.8	-14.77
L0003157	653095.5	4190243.1	-34.67
L0003157	653097.3	4190218.4	-28.24
L0003157	653099.0	4190193.7	-5.84
L0003158	653090.3	4190317.1	-14.72
L0003158	653092.1	4190292.4	-34.37
L0003158	653093.8	4190267.8	-27.89
L0003158	653095.5	4190243.1	-5.61
L0003159	653086.9	4190366.5	-14.67
L0003159	653088.6	4190341.8	-34.06
L0003159	653090.3	4190317.1	-27.54
L0003159	653092.1	4190292.4	-5.37
L0003160	653083.4	4190415.9	-15.91
L0003160	653085.2	4190391.2	-37.63
L0003160	653086.9	4190366.5	-30.22
L0003160	653088.6	4190341.8	-6.79
L0003161	653080.0	4190465.3	-16.27
L0003161	653081.7	4190440.6	-38.67
L0003161	653083.4	4190415.9	-30.84
L0003161	653085.2	4190391.2	-7.07
L0003162	653076.5	4190514.7	-16.41
L0003162	653078.2	4190490.0	-38.82
L0003162	653080.0	4190465.3	-30.77
L0003162	653081.7	4190440.6	-6.97
L0003163	653073.0	4190564.0	-16.55
L0003163	653074.8	4190539.3	-38.97
L0003163	653076.5	4190514.7	-30.70
L0003163	653078.2	4190490.0	-6.87
L0003164	653069.6	4190613.4	-12.40
L0003164	653071.3	4190588.7	-30.71
L0003164	653073.0	4190564.0	-26.06
L0003164	653074.8	4190539.3	-5.14
L0003165	653066.1	4190662.8	-5.25
L0003165	653067.9	4190638.1	-19.89
L0003165	653069.6	4190613.4	-17.63
L0003165	653071.3	4190588.7	-0.75
L0003166	653062.7	4190712.2	-3.12
L0003166	653064.4	4190687.5	-16.95
L0003166	653066.1	4190662.8	-15.02
L0003166	653067.9	4190638.1	0.89

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003167	653059.2	4190761.6	-3.04
L0003167	653060.9	4190736.9	-16.76
L0003167	653062.7	4190712.2	-14.76
L0003168	653055.7	4190811.0	-2.96
L0003168	653057.5	4190786.3	-16.56
L0003168	653059.2	4190761.6	-14.50
L0003169	653052.3	4190860.3	-3.69
L0003169	653054.0	4190835.6	-17.64
L0003169	653055.7	4190811.0	-15.55
L0003169	653057.5	4190786.3	0.62
L0003170	653048.8	4190909.7	-9.56
L0003170	653050.5	4190885.0	-28.58
L0003170	653052.3	4190860.3	-27.14
L0003170	653054.0	4190835.6	-7.27
L0003171	653045.4	4190959.1	-11.69
L0003171	653047.1	4190934.4	-34.66
L0003171	653048.8	4190909.7	-34.32
L0003171	653050.5	4190885.0	-11.28
L0003172	653041.9	4191008.5	-9.42
L0003172	653043.6	4190983.8	-31.09
L0003172	653045.4	4190959.1	-32.44
L0003172	653047.1	4190934.4	-11.25
L0003173	653040.2	4191033.2	-8.71
L0003173	653041.9	4191008.5	-13.49
L0003173	653043.6	4190983.8	-3.12
L0003174	653036.7	4191082.6	-8.35
L0003174	653038.4	4191057.9	-13.00
L0003174	653040.2	4191033.2	-2.68
L0003175	653033.2	4191131.9	-7.98
L0003175	653035.0	4191107.2	-12.52
L0003175	653036.7	4191082.6	-2.24
L0003176	652978.5	4191204.4	-1.38
L0003176	653031.5	4191156.6	-1.87
L0003177	652928.9	4191202.8	-10.46
L0003177	652953.7	4191203.6	-35.19
L0003177	652978.5	4191204.4	-39.02
L0003177	653003.3	4191205.2	-14.34
L0003178	653028.1	4191206.0	-25.03
L0003178	652978.5	4191204.4	-20.66
L0003178	653003.3	4191205.2	-39.25

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003178	653029.8	4191181.3	-7.69
L0003179	653028.1	4191206.0	-20.90
L0003179	653029.8	4191181.3	-6.66
L0003186	653409.0	4191269.0	-9.57
L0003187	653409.0	4191269.0	-21.41
L0003415	652923.9	4188307.2	-4.70
L0003415	652922.1	4188331.8	-25.78
L0003415	652920.4	4188356.4	-20.62
L0003416	652920.4	4188356.4	-13.37
L0003416	652918.6	4188381.0	-28.75
L0003416	652916.8	4188405.5	-12.38
L0003417	652916.8	4188405.5	-21.38
L0003417	652915.0	4188430.1	-24.94
L0003417	652913.2	4188454.7	-3.61
L0003418	652915.0	4188430.1	-7.83
L0003418	652913.2	4188454.7	-27.36
L0003418	652911.4	4188479.2	-17.59
L0003419	652911.4	4188479.2	-16.29
L0003419	652909.6	4188503.8	-27.82
L0003419	652907.9	4188528.4	-9.13
L0003420	652909.6	4188503.8	-2.16
L0003420	652907.9	4188528.4	-23.76
L0003420	652906.1	4188553.0	-22.31
L0003420	652904.3	4188577.5	-0.26
L0003421	652906.1	4188553.0	-10.88
L0003421	652904.3	4188577.5	-28.13
L0003421	652902.5	4188602.1	-14.45
L0003422	652902.5	4188602.1	-19.07
L0003422	652900.7	4188626.7	-26.07
L0003422	652898.9	4188651.3	-5.84
L0003423	652900.7	4188626.7	-5.30
L0003423	652898.9	4188651.3	-25.71
L0003423	652897.2	4188675.8	-19.44
L0003424	652897.2	4188675.8	-13.85
L0003424	652895.4	4188700.4	-27.93
L0003424	652893.6	4188725.0	-11.25
L0003425	652891.8	4188749.6	-23.78
L0003425	652898.6	4188748.6	-29.20
L0003425	652895.4	4188700.4	0.39
L0003425	652893.6	4188725.0	-21.60

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**MODELOPTs: NonDFAULT CONC FLAT

Lathrop4b
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003425	652896.9	4188773.3	-5.42
L0003426	652891.8	4188749.6	-8.38
L0003426	652898.6	4188748.6	-8.86
L0003426	652896.9	4188773.3	-32.07
L0003426	652895.2	4188798.0	-20.26
L0003427	652895.2	4188798.0	-18.32
L0003427	652893.5	4188822.8	-33.49
L0003427	652891.8	4188847.5	-10.87
L0003428	652893.5	4188822.8	-3.44
L0003428	652891.8	4188847.5	-27.49
L0003428	652890.1	4188872.2	-25.54
L0003428	652888.4	4188896.9	-1.36
L0003429	652890.1	4188872.2	-12.96
L0003429	652888.4	4188896.9	-34.59
L0003429	652886.7	4188921.7	-16.29
L0003430	652886.7	4188921.7	-22.36
L0003430	652885.0	4188946.4	-30.55
L0003430	652883.4	4188971.1	-6.82
L0003431	652885.0	4188946.4	-7.56
L0003431	652883.4	4188971.1	-31.20
L0003431	652881.7	4188995.8	-21.67
L0003432	652881.7	4188995.8	-17.05
L0003432	652880.0	4189020.6	-34.49
L0003432	652878.3	4189045.3	-12.28
L0003433	652880.0	4189020.6	-2.13
L0003433	652878.3	4189045.3	-26.34
L0003433	652876.6	4189070.0	-26.94
L0003433	652874.9	4189094.7	-2.76
L0003434	652876.6	4189070.0	-11.67
L0003434	652874.9	4189094.7	-34.29
L0003434	652873.2	4189119.5	-17.71
L0003435	652873.2	4189119.5	-21.12
L0003435	652871.5	4189144.2	-31.87
L0003435	652869.8	4189168.9	-8.23
L0003436	652871.5	4189144.2	-6.26
L0003436	652869.8	4189168.9	-30.19
L0003436	652868.1	4189193.6	-23.09
L0003437	652868.1	4189193.6	-15.77
L0003437	652866.4	4189218.4	-35.27
L0003437	652864.7	4189243.1	-13.69

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
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SOURCE ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003438	652866.4	4189218.4	-0.81
L0003438	652864.7	4189243.1	-25.15
L0003438	652863.0	4189267.8	-28.33
L0003438	652861.3	4189292.5	-4.16
L0003439	652863.0	4189267.8	-10.37
L0003439	652861.3	4189292.5	-33.67
L0003439	652859.6	4189317.3	-19.11
L0003440	652859.6	4189317.3	-19.87
L0003440	652857.9	4189342.0	-33.16
L0003440	652856.2	4189366.7	-9.64
L0003441	652857.9	4189342.0	-4.93
L0003441	652856.2	4189366.7	-29.10
L0003441	652854.5	4189391.4	-24.49
L0003441	652852.8	4189416.1	-0.08
L0003442	652854.5	4189391.4	-14.49
L0003442	652852.8	4189416.1	-35.70
L0003442	652851.1	4189440.9	-15.09
L0003443	652852.8	4189416.1	0.52
L0003443	652851.1	4189440.9	-23.93
L0003443	652849.4	4189465.6	-29.72
L0003443	652847.7	4189490.3	-5.57
L0003444	652849.4	4189465.6	-9.06
L0003444	652847.7	4189490.3	-32.82
L0003444	652846.0	4189515.0	-20.52
L0003445	652846.0	4189515.0	-18.59
L0003445	652844.4	4189539.8	-34.39
L0003445	652842.7	4189564.5	-11.04
L0003446	652844.4	4189539.8	-3.61
L0003446	652842.7	4189564.5	-27.94
L0003446	652841.0	4189589.2	-25.90
L0003446	652839.3	4189613.9	-1.48
L0003447	652841.0	4189589.2	-13.18
L0003447	652839.3	4189613.9	-35.70
L0003447	652837.6	4189638.7	-16.50
L0003448	652837.6	4189638.7	-22.68
L0003448	652835.9	4189663.4	-31.11
L0003448	652834.2	4189688.1	-6.96
L0003449	652835.9	4189663.4	-7.74
L0003449	652834.2	4189688.1	-31.82
L0003449	652832.5	4189712.8	-21.94

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003450	652832.5	4189712.8	-17.29
L0003450	652830.8	4189737.6	-35.50
L0003450	652829.1	4189762.3	-12.44
L0003451	652830.8	4189737.6	-2.28
L0003451	652829.1	4189762.3	-26.73
L0003451	652827.4	4189787.0	-27.31
L0003451	652825.7	4189811.7	-2.87
L0003452	652827.4	4189787.0	-11.86
L0003452	652825.7	4189811.7	-35.24
L0003452	652824.0	4189836.5	-17.91
L0003453	652824.0	4189836.5	-21.40
L0003453	652822.3	4189861.2	-32.47
L0003453	652820.6	4189885.9	-8.37
L0003454	652822.3	4189861.2	-6.41
L0003454	652820.6	4189885.9	-30.71
L0003454	652818.9	4189910.6	-23.35
L0003455	652818.9	4189910.6	-15.98
L0003455	652817.2	4189935.4	-36.40
L0003455	652815.5	4189960.1	-13.85
L0003456	652817.2	4189935.4	-0.94
L0003456	652815.5	4189960.1	-25.48
L0003456	652813.8	4189984.8	-28.71
L0003456	652812.1	4190009.5	-4.27
L0003457	652813.8	4189984.8	-10.54
L0003457	652812.1	4190009.5	-34.45
L0003457	652810.4	4190034.3	-19.31
L0003458	652810.4	4190034.3	-20.11
L0003458	652808.7	4190059.0	-33.83
L0003458	652807.0	4190083.7	-9.77
L0003459	652808.7	4190059.0	-5.08
L0003459	652807.0	4190083.7	-29.52
L0003459	652805.3	4190108.4	-24.75
L0003459	652803.7	4190133.1	-0.17
L0003460	652805.3	4190108.4	-14.67
L0003460	652803.7	4190133.1	-36.89
L0003460	652802.0	4190157.9	-15.24
L0003461	652803.7	4190133.1	0.40
L0003461	652802.0	4190157.9	-24.21
L0003461	652800.3	4190182.6	-30.12
L0003461	652798.6	4190207.3	-5.67

**MODELOPTs: NonDFAULT CONC FLAT
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* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003462	652800.3	4190182.6	-9.21
L0003462	652798.6	4190207.3	-33.44
L0003462	652796.9	4190232.0	-20.72
L0003463	652796.9	4190232.0	-18.80
L0003463	652795.2	4190256.8	-35.16
L0003463	652793.5	4190281.5	-11.16
L0003464	652795.2	4190256.8	-3.73
L0003464	652793.5	4190281.5	-28.29
L0003464	652791.8	4190306.2	-26.17
L0003464	652790.1	4190330.9	-1.56
L0003465	652791.8	4190306.2	-13.34
L0003465	652790.1	4190330.9	-36.76
L0003465	652788.4	4190355.7	-16.65
L0003466	652788.4	4190355.7	-22.91
L0003466	652786.7	4190380.4	-31.53
L0003466	652785.0	4190405.1	-7.06
L0003467	652786.7	4190380.4	-7.87
L0003467	652785.0	4190405.1	-32.31
L0003467	652783.3	4190429.8	-22.13
L0003468	652783.3	4190429.8	-17.47
L0003468	652781.6	4190454.6	-36.41
L0003468	652779.9	4190479.3	-12.56
L0003469	652781.6	4190454.6	-2.39
L0003469	652779.9	4190479.3	-27.02
L0003469	652778.2	4190504.0	-27.58
L0003469	652776.5	4190528.7	-2.95
L0003470	652778.2	4190504.0	-12.00
L0003470	652776.5	4190528.7	-36.08
L0003470	652774.8	4190553.5	-18.05
L0003471	652774.8	4190553.5	-21.60
L0003471	652773.1	4190578.2	-32.93
L0003471	652771.4	4190602.9	-8.46
L0003472	652773.1	4190578.2	-6.53
L0003472	652771.4	4190602.9	-31.10
L0003472	652769.7	4190627.6	-23.53
L0003473	652769.7	4190627.6	-16.14
L0003473	652768.0	4190652.4	-37.49
L0003473	652766.3	4190677.1	-13.96
L0003474	652768.0	4190652.4	-1.04
L0003474	652766.3	4190677.1	-25.72

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

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SOURCE ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003474	652764.7	4190701.8	-28.98
L0003474	652763.0	4190726.5	-4.35
L0003475	652764.7	4190701.8	-10.67
L0003475	652763.0	4190726.5	-35.07
L0003475	652761.2	4190751.3	-19.44
L0003476	652764.7	4190701.8	-1.04
L0003476	652763.0	4190726.5	-23.53
L0003476	652761.2	4190751.3	-24.00
L0003476	652759.6	4190776.0	-1.63
L0003477	652766.3	4190677.1	-15.26
L0003477	652764.7	4190701.8	-29.20
L0003477	652763.0	4190726.5	-10.76
L0003478	652769.7	4190627.6	-6.26
L0003478	652768.0	4190652.4	-27.18
L0003478	652766.3	4190677.1	-19.43
L0003479	652771.4	4190602.9	-20.03
L0003479	652769.7	4190627.6	-26.67
L0003479	652768.0	4190652.4	-5.52
L0003480	652774.8	4190553.5	-11.38
L0003480	652773.1	4190578.2	-29.11
L0003480	652771.4	4190602.9	-14.48
L0003481	652778.2	4190504.0	-2.24
L0003481	652776.5	4190528.7	-24.31
L0003481	652774.8	4190553.5	-22.70
L0003481	652773.1	4190578.2	-0.20
L0003482	652779.9	4190479.3	-16.33
L0003482	652778.2	4190504.0	-28.43
L0003482	652776.5	4190528.7	-9.34
L0003483	652783.3	4190429.8	-7.43
L0003483	652781.6	4190454.6	-27.55
L0003483	652779.9	4190479.3	-18.05
L0003484	652785.0	4190405.1	-20.95
L0003484	652783.3	4190429.8	-25.51
L0003484	652781.6	4190454.6	-4.09
L0003485	652788.4	4190355.7	-12.50
L0003485	652786.7	4190380.4	-28.85
L0003485	652785.0	4190405.1	-13.06
L0003486	652791.8	4190306.2	-3.44
L0003486	652790.1	4190330.9	-24.98
L0003486	652788.4	4190355.7	-21.37

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003487	652793.5	4190281.5	-17.34
L0003487	652791.8	4190306.2	-27.56
L0003487	652790.1	4190330.9	-7.91
L0003488	652796.9	4190232.0	-8.58
L0003488	652795.2	4190256.8	-27.77
L0003488	652793.5	4190281.5	-16.65
L0003489	652800.3	4190182.6	0.58
L0003489	652798.6	4190207.3	-21.81
L0003489	652796.9	4190232.0	-24.30
L0003489	652795.2	4190256.8	-2.67
L0003490	652802.0	4190157.9	-13.58
L0003490	652800.3	4190182.6	-28.42
L0003490	652798.6	4190207.3	-11.66
L0003491	652805.3	4190108.4	-4.62
L0003491	652803.7	4190133.1	-25.54
L0003491	652802.0	4190157.9	-20.03
L0003492	652807.0	4190083.7	-18.31
L0003492	652805.3	4190108.4	-26.58
L0003492	652803.7	4190133.1	-6.50
L0003493	652810.4	4190034.3	-9.71
L0003493	652808.7	4190059.0	-27.82
L0003493	652807.0	4190083.7	-15.27
L0003494	652813.8	4189984.8	-0.62
L0003494	652812.1	4190009.5	-22.59
L0003494	652810.4	4190034.3	-23.06
L0003494	652808.7	4190059.0	-1.24
L0003495	652815.5	4189960.1	-14.62
L0003495	652813.8	4189984.8	-27.82
L0003495	652812.1	4190009.5	-10.25
L0003496	652818.9	4189910.6	-5.78
L0003496	652817.2	4189935.4	-25.98
L0003496	652815.5	4189960.1	-18.69
L0003497	652820.6	4189885.9	-19.24
L0003497	652818.9	4189910.6	-25.53
L0003497	652817.2	4189935.4	-5.07
L0003498	652824.0	4189836.5	-10.81
L0003498	652822.3	4189861.2	-27.72
L0003498	652820.6	4189885.9	-13.88
L0003499	652827.4	4189787.0	-1.80
L0003499	652825.7	4189811.7	-23.29

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003499	652824.0	4189836.5	-21.80
L0003499	652822.3	4189861.2	0.19
L0003500	652829.1	4189762.3	-15.63
L0003500	652827.4	4189787.0	-27.11
L0003500	652825.7	4189811.7	-8.83
L0003501	652832.5	4189712.8	-6.92
L0003501	652830.8	4189737.6	-26.29
L0003501	652829.1	4189762.3	-17.32
L0003502	652834.2	4189688.1	-20.09
L0003502	652832.5	4189712.8	-24.42
L0003502	652830.8	4189737.6	-3.65
L0003503	652837.6	4189638.7	-11.88
L0003503	652835.9	4189663.4	-27.44
L0003503	652834.2	4189688.1	-12.47
L0003504	652841.0	4189589.2	-2.97
L0003504	652839.3	4189613.9	-23.89
L0003504	652837.6	4189638.7	-20.51
L0003505	652842.7	4189564.5	-16.60
L0003505	652841.0	4189589.2	-26.27
L0003505	652839.3	4189613.9	-7.42
L0003506	652846.0	4189515.0	-8.03
L0003506	652844.4	4189539.8	-26.45
L0003506	652842.7	4189564.5	-15.96
L0003507	652847.7	4189490.3	-20.88
L0003507	652846.0	4189515.0	-23.26
L0003507	652844.4	4189539.8	-2.23
L0003508	652851.1	4189440.9	-12.92
L0003508	652849.4	4189465.6	-27.01
L0003508	652847.7	4189490.3	-11.08
L0003509	652854.5	4189391.4	-4.12
L0003509	652852.8	4189416.1	-24.38
L0003509	652851.1	4189440.9	-19.20
L0003510	652856.2	4189366.7	-17.51
L0003510	652854.5	4189391.4	-25.35
L0003510	652852.8	4189416.1	-6.00
L0003511	652859.6	4189317.3	-9.13
L0003511	652857.9	4189342.0	-26.46
L0003511	652856.2	4189366.7	-14.59
L0003512	652863.0	4189267.8	-0.16
L0003512	652861.3	4189292.5	-21.59

**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003512	652859.6	4189317.3	-22.06
L0003512	652857.9	4189342.0	-0.81
L0003513	652864.7	4189243.1	-13.91
L0003513	652863.0	4189267.8	-26.45
L0003513	652861.3	4189292.5	-9.67
L0003514	652868.1	4189193.6	-5.24
L0003514	652866.4	4189218.4	-24.75
L0003514	652864.7	4189243.1	-17.88
L0003515	652869.8	4189168.9	-18.37
L0003515	652868.1	4189193.6	-24.35
L0003515	652866.4	4189218.4	-4.58
L0003516	652873.2	4189119.5	-10.18
L0003516	652871.5	4189144.2	-26.32
L0003516	652869.8	4189168.9	-13.21
L0003517	652876.6	4189070.0	-1.31
L0003517	652874.9	4189094.7	-22.22
L0003517	652873.2	4189119.5	-20.84
L0003517	652871.5	4189144.2	0.62
L0003518	652878.3	4189045.3	-14.88
L0003518	652876.6	4189070.0	-25.76
L0003518	652874.9	4189094.7	-8.27
L0003519	652881.7	4188995.8	-6.35
L0003519	652880.0	4189020.6	-25.00
L0003519	652878.3	4189045.3	-16.54
L0003520	652883.4	4188971.1	-19.17
L0003520	652881.7	4188995.8	-23.28
L0003520	652880.0	4189020.6	-3.16
L0003521	652886.7	4188921.7	-11.21
L0003521	652885.0	4188946.4	-26.03
L0003521	652883.4	4188971.1	-11.82
L0003522	652890.1	4188872.2	-2.45
L0003522	652888.4	4188896.9	-22.75
L0003522	652886.7	4188921.7	-19.58
L0003523	652891.8	4188847.5	-15.79
L0003523	652890.1	4188872.2	-24.96
L0003523	652888.4	4188896.9	-6.87
L0003524	652895.2	4188798.0	-7.43
L0003524	652893.5	4188822.8	-25.10
L0003524	652891.8	4188847.5	-15.20
L0003525	652896.9	4188773.3	-19.89

**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)

L0003525	652895.2	4188798.0	-22.17
L0003525	652893.5	4188822.8	-1.75
L0003526	652891.8	4188749.6	-18.78
L0003526	652898.6	4188748.6	-25.61
L0003526	652893.6	4188725.0	-9.44
L0003526	652896.9	4188773.3	-10.44
L0003527	652897.2	4188675.8	-2.15
L0003527	652895.4	4188700.4	-17.93
L0003527	652893.6	4188725.0	-12.44
L0003528	652898.9	4188651.3	-13.56
L0003528	652897.2	4188675.8	-17.43
L0003528	652895.4	4188700.4	-0.81
L0003529	652902.5	4188602.1	-7.04
L0003529	652900.7	4188626.7	-19.15
L0003529	652898.9	4188651.3	-8.38
L0003530	652906.1	4188553.0	0.61
L0003530	652904.3	4188577.5	-16.86
L0003530	652902.5	4188602.1	-14.73
L0003531	652907.9	4188528.4	-11.51
L0003531	652906.1	4188553.0	-18.72
L0003531	652904.3	4188577.5	-3.79
L0003532	652911.4	4188479.2	-4.46
L0003532	652909.6	4188503.8	-18.97
L0003532	652907.9	4188528.4	-11.04
L0003533	652913.2	4188454.7	-15.36
L0003533	652911.4	4188479.2	-16.74
L0003534	652916.8	4188405.5	-9.22
L0003534	652915.0	4188430.1	-19.51
L0003534	652913.2	4188454.7	-6.69
L0003535	652920.4	4188356.4	-1.75
L0003535	652918.6	4188381.0	-18.24
L0003535	652916.8	4188405.5	-13.53
L0003536	652920.4	4188356.4	-11.90
L0003536	652918.6	4188381.0	-14.99
L0003536	652916.8	4188405.5	0.96
L0003537	652916.8	4188405.5	-11.43
L0003537	652915.0	4188430.1	-6.17
L0003538	652915.0	4188430.1	-4.95
L0003538	652913.2	4188454.7	-11.69
L0003538	652911.4	4188479.2	-0.12

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003539	652911.4	4188479.2	-9.55
L0003539	652909.6	4188503.8	-8.98
L0003540	652909.6	4188503.8	-0.99
L0003540	652907.9	4188528.4	-11.70
L0003540	652906.1	4188553.0	-3.97
L0003541	652906.1	4188553.0	-6.70
L0003541	652904.3	4188577.5	-10.84
L0003542	652902.5	4188602.1	-10.48
L0003542	652900.7	4188626.7	-7.21
L0003543	652900.7	4188626.7	-3.11
L0003543	652898.9	4188651.3	-11.55
L0003543	652897.2	4188675.8	-1.59
L0003544	652897.2	4188675.8	-8.18
L0003544	652895.4	4188700.4	-9.62
L0003545	652891.8	4188749.6	-5.19
L0003545	652898.6	4188748.6	-11.42
L0003545	652893.6	4188725.0	-11.03
L0003546	652891.8	4188749.6	-5.01
L0003546	652898.6	4188748.6	-9.25
L0003546	652896.9	4188773.3	-17.93
L0003546	652895.2	4188798.0	-4.51
L0003547	652895.2	4188798.0	-15.16
L0003547	652893.5	4188822.8	-14.75
L0003548	652893.5	4188822.8	-5.26
L0003548	652891.8	4188847.5	-18.22
L0003548	652890.1	4188872.2	-8.79
L0003549	652890.1	4188872.2	-12.21
L0003549	652888.4	4188896.9	-17.23
L0003549	652886.7	4188921.7	-1.31
L0003550	652888.4	4188896.9	-0.90
L0003550	652886.7	4188921.7	-17.12
L0003550	652885.0	4188946.4	-12.63
L0003551	652885.0	4188946.4	-8.56
L0003551	652883.4	4188971.1	-18.53
L0003551	652881.7	4188995.8	-5.85
L0003552	652881.7	4188995.8	-14.84
L0003552	652880.0	4189020.6	-15.81
L0003553	652880.0	4189020.6	-4.44
L0003553	652878.3	4189045.3	-18.45
L0003553	652876.6	4189070.0	-10.08

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)

L0003554	652876.6	4189070.0	-11.66
L0003554	652874.9	4189094.7	-18.05
L0003554	652873.2	4189119.5	-2.69
L0003555	652874.9	4189094.7	0.02
L0003555	652873.2	4189119.5	-17.01
L0003555	652871.5	4189144.2	-13.81
L0003556	652871.5	4189144.2	-7.84
L0003556	652869.8	4189168.9	-19.03
L0003556	652868.1	4189193.6	-7.20
L0003557	652868.1	4189193.6	-14.44
L0003557	652866.4	4189218.4	-16.82
L0003557	652864.7	4189243.1	0.65
L0003558	652866.4	4189218.4	-3.58
L0003558	652864.7	4189243.1	-18.59
L0003558	652863.0	4189267.8	-11.34
L0003559	652863.0	4189267.8	-11.04
L0003559	652861.3	4189292.5	-18.80
L0003559	652859.6	4189317.3	-4.06
L0003560	652861.3	4189292.5	0.98
L0003560	652859.6	4189317.3	-16.82
L0003560	652857.9	4189342.0	-14.96
L0003561	652857.9	4189342.0	-7.06
L0003561	652856.2	4189366.7	-19.46
L0003561	652854.5	4189391.4	-8.52
L0003562	652854.5	4189391.4	-13.97
L0003562	652852.8	4189416.1	-17.79
L0003562	652851.1	4189440.9	-0.75
L0003563	652852.8	4189416.1	-2.68
L0003563	652851.1	4189440.9	-18.65
L0003563	652849.4	4189465.6	-12.60
L0003564	652849.4	4189465.6	-10.36
L0003564	652847.7	4189490.3	-19.49
L0003564	652846.0	4189515.0	-5.44
L0003565	652846.0	4189515.0	-16.54
L0003565	652844.4	4189539.8	-16.09
L0003566	652844.4	4189539.8	-6.23
L0003566	652842.7	4189564.5	-19.78
L0003566	652841.0	4189589.2	-9.84
L0003567	652841.0	4189589.2	-13.43
L0003567	652839.3	4189613.9	-18.71

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003567	652837.6	4189638.7	-2.15
L0003568	652839.3	4189613.9	-1.75
L0003568	652837.6	4189638.7	-18.60
L0003568	652835.9	4189663.4	-13.84
L0003569	652835.9	4189663.4	-9.63
L0003569	652834.2	4189688.1	-20.09
L0003569	652832.5	4189712.8	-6.81
L0003570	652832.5	4189712.8	-16.17
L0003570	652830.8	4189737.6	-17.17
L0003571	652830.8	4189737.6	-5.37
L0003571	652829.1	4189762.3	-20.00
L0003571	652827.4	4189787.0	-11.16
L0003572	652827.4	4189787.0	-12.82
L0003572	652825.7	4189811.7	-19.55
L0003572	652824.0	4189836.5	-3.55
L0003573	652825.7	4189811.7	-0.80
L0003573	652824.0	4189836.5	-18.46
L0003573	652822.3	4189861.2	-15.04
L0003574	652822.3	4189861.2	-8.86
L0003574	652820.6	4189885.9	-20.62
L0003574	652818.9	4189910.6	-8.17
L0003575	652818.9	4189910.6	-15.72
L0003575	652817.2	4189935.4	-18.22
L0003575	652815.5	4189960.1	-0.12
L0003576	652817.2	4189935.4	-4.47
L0003576	652815.5	4189960.1	-20.13
L0003576	652813.8	4189984.8	-12.45
L0003577	652813.8	4189984.8	-12.15
L0003577	652812.1	4190009.5	-20.34
L0003577	652810.4	4190034.3	-4.93
L0003578	652812.1	4190009.5	0.19
L0003578	652810.4	4190034.3	-18.22
L0003578	652808.7	4190059.0	-16.23
L0003579	652808.7	4190059.0	-8.03
L0003579	652807.0	4190083.7	-21.03
L0003579	652805.3	4190108.4	-9.51
L0003580	652805.3	4190108.4	-15.20
L0003580	652803.7	4190133.1	-19.23
L0003580	652802.0	4190157.9	-1.53
L0003581	652803.7	4190133.1	-3.53

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
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SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003581	652802.0	4190157.9	-20.15
L0003581	652800.3	4190182.6	-13.74

L0003582	652800.3	4190182.6	-11.43
L0003582	652798.6	4190207.3	-21.04
L0003582	652796.9	4190232.0	-6.32
L0003583	652796.9	4190232.0	-17.88
L0003583	652795.2	4190256.8	-17.39
L0003584	652795.2	4190256.8	-7.16
L0003584	652793.5	4190281.5	-21.35
L0003584	652791.8	4190306.2	-10.86
L0003585	652791.8	4190306.2	-14.61
L0003585	652790.1	4190330.9	-20.17
L0003585	652788.4	4190355.7	-2.94
L0003586	652790.1	4190330.9	-2.57
L0003586	652788.4	4190355.7	-20.07
L0003586	652786.7	4190380.4	-15.00
L0003587	652786.7	4190380.4	-10.65
L0003587	652785.0	4190405.1	-21.66
L0003587	652783.3	4190429.8	-7.70
L0003588	652783.3	4190429.8	-17.47
L0003588	652781.6	4190454.6	-18.51
L0003588	652779.9	4190479.3	0.58
L0003589	652781.6	4190454.6	-6.26
L0003589	652779.9	4190479.3	-21.56
L0003589	652778.2	4190504.0	-12.19
L0003590	652778.2	4190504.0	-13.94
L0003590	652776.5	4190528.7	-21.05
L0003590	652774.8	4190553.5	-4.35
L0003591	652776.5	4190528.7	-1.57
L0003591	652774.8	4190553.5	-19.88
L0003591	652773.1	4190578.2	-16.24
L0003592	652773.1	4190578.2	-9.82
L0003592	652771.4	4190602.9	-22.19
L0003592	652769.7	4190627.6	-9.08
L0003593	652769.7	4190627.6	-16.96
L0003593	652768.0	4190652.4	-19.60
L0003593	652766.3	4190677.1	-0.84
L0003594	652768.0	4190652.4	-5.31
L0003594	652766.3	4190677.1	-21.65
L0003594	652764.7	4190701.8	-13.51

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003595	652764.7	4190701.8	-13.23
L0003595	652763.0	4190726.5	-21.86
L0003595	652761.2	4190751.3	-5.74

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: 23237 05-09.SFC Met Version: 06341
Profile file: 23237 05-09.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23237 Upper air station no.: 23230
Name: STOCKTON_AIRPORT Name: OAKLAND/WSO_AP
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-20.7	0.365	-9.000	-9.000	-999.	508.	213.1	0.08	0.83	1.00	4.60	171.	10.0	282.0	2.0
05	01	01	1	02	-18.2	0.321	-9.000	-9.000	-999.	419.	164.4	0.08	0.83	1.00	4.10	158.	10.0	281.4	2.0
05	01	01	1	03	-18.2	0.321	-9.000	-9.000	-999.	418.	164.4	0.08	0.83	1.00	4.10	144.	10.0	281.4	2.0
05	01	01	1	04	-18.2	0.321	-9.000	-9.000	-999.	418.	164.0	0.08	0.83	1.00	4.10	143.	10.0	280.9	2.0
05	01	01	1	05	-15.7	0.276	-9.000	-9.000	-999.	334.	121.3	0.08	0.83	1.00	3.60	143.	10.0	280.9	2.0
05	01	01	1	06	-20.7	0.365	-9.000	-9.000	-999.	507.	212.6	0.08	0.83	1.00	4.60	152.	10.0	281.4	2.0
05	01	01	1	07	-26.6	0.309	-9.000	-9.000	-999.	397.	100.7	0.08	0.83	1.00	4.10	145.	10.0	280.4	2.0
05	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.06	0.83	0.73	0.00	0.	10.0	280.4	2.0
05	01	01	1	09	-1.4	0.298	-9.000	-9.000	-999.	374.	1733.3	0.08	0.83	0.39	3.60	147.	10.0	282.0	2.0
05	01	01	1	10	41.6	0.488	0.595	0.005	183.	784.	-252.7	0.08	0.83	0.27	5.70	171.	10.0	283.8	2.0

```
05 01 01   1 11   15.7  0.480  0.475  0.005  246.  766.   -638.9  0.08   0.83   0.23    5.70  174.   10.0  284.2    2.0
05 01 01   1 12   20.4  0.433  0.570  0.005  329.  658.   -361.1  0.08   0.83   0.22    5.10  146.   10.0  285.4    2.0
05 01 01   1 13   21.4  0.571  0.628  0.005  417.  991.   -783.9  0.09   0.83   0.21    6.70  183.   10.0  287.0    2.0
05 01 01   1 14   83.1  0.374  1.159  0.005  677.  557.    -56.8  0.08   0.83   0.22    4.10  179.   10.0  287.0    2.0
05 01 01   1 15   10.8  0.479  0.596  0.005  705.  761.   -915.1  0.08   0.83   0.26    5.70  172.   10.0  286.4    2.0
05 01 01   1 16    0.0  0.346  0.076  0.005  700.  479.  -8888.0  0.09   0.83   0.35    4.10  214.   10.0  283.8    2.0
05 01 01   1 17  -16.6  0.234 -9.000 -9.000 -999.  266.     69.5  0.10   0.83   0.60    3.10  311.   10.0  282.5    2.0
05 01 01   1 18   -2.8  0.063 -9.000 -9.000 -999.   78.      8.2  0.09   0.83   1.00    1.50  217.   10.0  282.0    2.0
05 01 01   1 19  -15.5  0.181 -9.000 -9.000 -999.  177.     34.6  0.04   0.83   1.00    3.10  134.   10.0  281.4    2.0
05 01 01   1 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.06   0.83   1.00    0.00    0.   10.0  280.9    2.0
05 01 01   1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.06   0.83   1.00    0.00    0.   10.0  281.4    2.0
05 01 01   1 22  -19.5  0.228 -9.000 -9.000 -999.  250.     54.8  0.04   0.83   1.00    3.60  112.   10.0  280.9    2.0
05 01 01   1 23   -6.4  0.078 -9.000 -9.000 -999.   71.      6.7  0.04   0.83   1.00    2.10  100.   10.0  280.4    2.0
05 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.06   0.83   1.00    0.00    0.   10.0  279.2    2.0


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
05 01 01 01    10.0 1  171.    4.60   282.1   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                               ***        06/14/12
                                    *** Lathrop Railyard Expansion                                             ***        16:41:19
                                                                                                                          PAGE 320
**MODELOPTs:  NonDFAULT CONC                                      FLAT
                                                         NODRYDPLT NOWETDPLT

                             *** THE PERIOD ( 43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE1   ***
                                 INCLUDING SOURCE(S):     L0002341    , L0002342    , L0002343    , L0002344    , L0002345    ,
              L0002346    , L0002347    , L0002348    , L0002349    , L0002350    , L0002351    , L0002352    , L0002353    ,
              L0002354    , L0002355    , L0002356    , L0002357    , L0002358    , L0002359    , L0002360    , L0002361    ,
              L0002362    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                         ** CONC OF DPM      IN MICROGRAMS/M**3                          **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00031	652891.80	4188749.57	0.00049
652898.61	4188748.60	0.00049	652730.73	4191196.29	0.00498
653028.05	4191206.02	0.00301	653168.20	4189206.02	0.00072
653262.60	4189205.05	0.00074	653289.85	4188796.29	0.00049
653273.79	4188795.32	0.00049	653278.66	4188701.89	0.00045
653231.46	4188709.19	0.00045	653231.94	4188697.51	0.00045
653205.18	4188697.02	0.00044	653253.35	4188006.51	0.00027
653168.68	4188005.54	0.00027	653158.46	4188015.27	0.00027
653154.57	4188111.13	0.00029	653138.03	4188112.11	0.00029
653136.57	4188089.23	0.00029	653070.87	4188087.29	0.00029
653060.65	4188096.53	0.00029	653048.49	4188105.78	0.00029
653034.86	4188105.78	0.00029	653031.94	4188160.28	0.00030
652932.84	4188184.36	0.00031	652931.05	4188208.94	0.00032
652929.27	4188233.51	0.00032	652927.48	4188258.09	0.00033
652925.70	4188282.66	0.00033	652923.92	4188307.24	0.00034
652922.13	4188331.81	0.00035	652920.35	4188356.38	0.00035
652918.56	4188380.96	0.00036	652916.78	4188405.53	0.00037
652914.99	4188430.11	0.00037	652913.21	4188454.68	0.00038
652911.43	4188479.25	0.00039	652909.64	4188503.83	0.00040
652907.86	4188528.40	0.00040	652906.07	4188552.98	0.00041
652904.29	4188577.55	0.00042	652902.51	4188602.13	0.00043
652900.72	4188626.70	0.00044	652898.94	4188651.27	0.00045
652897.15	4188675.85	0.00046	652895.37	4188700.42	0.00047
652893.58	4188725.00	0.00048	652896.91	4188773.32	0.00050
652895.22	4188798.05	0.00051	652893.52	4188822.77	0.00052
652891.83	4188847.50	0.00054	652890.13	4188872.22	0.00055
652888.44	4188896.94	0.00056	652886.74	4188921.67	0.00058
652885.04	4188946.39	0.00059	652883.35	4188971.12	0.00061
652881.65	4188995.84	0.00062	652879.96	4189020.57	0.00064
652878.26	4189045.29	0.00066	652876.57	4189070.01	0.00068
652874.87	4189094.74	0.00069	652873.17	4189119.46	0.00071
652871.48	4189144.19	0.00073	652869.78	4189168.91	0.00076
652868.09	4189193.63	0.00078	652866.39	4189218.36	0.00080
652864.69	4189243.08	0.00082	652863.00	4189267.81	0.00085

652861.30	4189292.53	0.00087	652859.61	4189317.26	0.00090
652857.91	4189341.98	0.00093	652856.22	4189366.70	0.00096
652854.52	4189391.43	0.00099	652852.82	4189416.15	0.00102
652851.13	4189440.88	0.00105	652849.43	4189465.60	0.00109
652847.74	4189490.32	0.00113	652846.04	4189515.05	0.00116
652844.35	4189539.77	0.00120	652842.65	4189564.50	0.00125

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00129	652839.26	4189613.94	0.00134
652837.56	4189638.67	0.00139	652835.87	4189663.39	0.00144
652834.17	4189688.12	0.00150	652832.48	4189712.84	0.00156
652830.78	4189737.57	0.00162	652829.08	4189762.29	0.00169
652827.39	4189787.01	0.00176	652825.69	4189811.74	0.00183
652824.00	4189836.46	0.00190	652822.30	4189861.19	0.00198
652820.61	4189885.91	0.00207	652818.91	4189910.63	0.00215
652817.21	4189935.36	0.00224	652815.52	4189960.08	0.00233
652813.82	4189984.81	0.00243	652812.13	4190009.53	0.00253
652810.43	4190034.26	0.00264	652808.73	4190058.98	0.00275
652807.04	4190083.70	0.00287	652805.34	4190108.43	0.00299
652803.65	4190133.15	0.00313	652801.95	4190157.88	0.00328
652800.26	4190182.60	0.00345	652798.56	4190207.32	0.00362
652796.86	4190232.05	0.00381	652795.17	4190256.77	0.00400
652793.47	4190281.50	0.00420	652791.78	4190306.22	0.00440
652790.08	4190330.95	0.00461	652788.39	4190355.67	0.00483
652786.69	4190380.39	0.00507	652784.99	4190405.12	0.00532
652783.30	4190429.84	0.00557	652781.60	4190454.57	0.00583
652779.91	4190479.29	0.00607	652778.21	4190504.01	0.00631
652776.52	4190528.74	0.00655	652774.82	4190553.46	0.00679
652773.12	4190578.19	0.00702	652771.43	4190602.91	0.00724
652769.73	4190627.63	0.00745	652768.04	4190652.36	0.00764
652766.34	4190677.08	0.00782	652764.65	4190701.81	0.00800
652762.95	4190726.53	0.00818	652761.25	4190751.26	0.00835
652759.56	4190775.98	0.00851	652757.86	4190800.70	0.00862
652756.17	4190825.43	0.00871	652754.47	4190850.15	0.00875
652752.77	4190874.88	0.00875	652751.08	4190899.60	0.00870
652749.38	4190924.32	0.00860	652747.69	4190949.05	0.00845
652745.99	4190973.77	0.00826	652744.30	4190998.50	0.00805
652742.60	4191023.22	0.00779	652740.90	4191047.95	0.00748
652739.21	4191072.67	0.00712	652737.51	4191097.39	0.00671
652735.82	4191122.12	0.00628	652734.12	4191146.84	0.00583
652732.43	4191171.57	0.00540	652755.51	4191197.10	0.00506
652780.28	4191197.91	0.00511	652805.06	4191198.72	0.00511
652829.84	4191199.53	0.00504	652854.61	4191200.34	0.00490
652879.39	4191201.16	0.00469	652904.17	4191201.97	0.00441
652928.94	4191202.78	0.00408	652953.72	4191203.59	0.00373
652978.50	4191204.40	0.00342	653003.27	4191205.21	0.00318

653029.78	4191181.33	0.00336	653031.51	4191156.64	0.00380
653033.24	4191131.95	0.00437	653034.97	4191107.25	0.00518

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00636	653038.43	4191057.87	0.00648
653040.16	4191033.18	0.00745	653041.89	4191008.49	0.01051
653043.62	4190983.80	0.01851	653045.35	4190959.11	0.01954
653047.08	4190934.42	0.02302	653048.81	4190909.72	0.02248
653050.54	4190885.03	0.02518	653052.27	4190860.34	0.02411
653054.00	4190835.65	0.02642	653055.73	4190810.96	0.02501
653057.46	4190786.27	0.02697	653059.19	4190761.58	0.02530
653060.92	4190736.88	0.02686	653062.65	4190712.19	0.02679
653064.39	4190687.50	0.02441	653066.12	4190662.81	0.02284
653067.85	4190638.12	0.01899	653069.58	4190613.43	0.01861
653071.31	4190588.74	0.01569	653073.04	4190564.04	0.01647
653074.77	4190539.35	0.01395	653076.50	4190514.66	0.01532
653078.23	4190489.97	0.01277	653079.96	4190465.28	0.01442
653081.69	4190440.59	0.01172	653083.42	4190415.90	0.01343
653085.15	4190391.21	0.01043	653086.88	4190366.51	0.01240
653088.61	4190341.82	0.01018	653090.34	4190317.13	0.01229
653092.07	4190292.44	0.00999	653093.80	4190267.75	0.00802
653095.53	4190243.06	0.00673	653097.26	4190218.37	0.00582
653098.99	4190193.67	0.00513	653100.72	4190168.98	0.00459
653102.45	4190144.29	0.00416	653104.18	4190119.60	0.00379
653105.91	4190094.91	0.00348	653107.64	4190070.22	0.00322
653109.37	4190045.53	0.00299	653111.10	4190020.83	0.00278
653112.83	4189996.14	0.00260	653114.56	4189971.45	0.00244
653116.29	4189946.76	0.00230	653118.02	4189922.07	0.00217
653119.75	4189897.38	0.00205	653121.48	4189872.69	0.00195
653123.21	4189848.00	0.00185	653124.94	4189823.30	0.00176
653126.67	4189798.61	0.00168	653128.40	4189773.92	0.00160
653130.13	4189749.23	0.00153	653131.86	4189724.54	0.00146
653133.60	4189699.85	0.00140	653135.33	4189675.16	0.00135
653137.06	4189650.46	0.00129	653138.79	4189625.77	0.00124
653140.52	4189601.08	0.00120	653142.25	4189576.39	0.00115
653143.98	4189551.70	0.00111	653145.71	4189527.01	0.00107
653147.44	4189502.32	0.00104	653149.17	4189477.62	0.00100
653150.90	4189452.93	0.00097	653152.63	4189428.24	0.00094
653154.36	4189403.55	0.00091	653156.09	4189378.86	0.00088
653157.82	4189354.17	0.00085	653159.55	4189329.48	0.00083
653161.28	4189304.79	0.00080	653163.01	4189280.09	0.00078
653164.74	4189255.40	0.00076	653166.47	4189230.71	0.00074
653191.80	4189205.78	0.00072	653215.40	4189205.54	0.00073
653239.00	4189205.29	0.00073	653264.20	4189181.01	0.00072

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*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE1   ***
INCLUDING SOURCE(S):   L0002341   , L0002342   , L0002343   , L0002344   , L0002345   ,
L0002346   , L0002347   , L0002348   , L0002349   , L0002350   , L0002351   , L0002352   , L0002353   ,
L0002354   , L0002355   , L0002356   , L0002357   , L0002358   , L0002359   , L0002360   , L0002361   ,
L0002362   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00070	653267.41	4189132.92	0.00068
653269.01	4189108.87	0.00067	653270.61	4189084.83	0.00065
653272.22	4189060.78	0.00063	653273.82	4189036.74	0.00062
653275.42	4189012.69	0.00060	653277.03	4188988.65	0.00059
653278.63	4188964.60	0.00058	653280.23	4188940.56	0.00056
653281.84	4188916.51	0.00055	653283.44	4188892.47	0.00054
653285.04	4188868.42	0.00053	653286.64	4188844.38	0.00051
653288.25	4188820.33	0.00050	653275.01	4188771.96	0.00048
653276.23	4188748.61	0.00047	653277.44	4188725.25	0.00046
653255.06	4188705.54	0.00045	653218.56	4188697.26	0.00045
653206.90	4188672.36	0.00044	653208.62	4188647.70	0.00043
653210.34	4188623.04	0.00042	653212.06	4188598.38	0.00041
653213.78	4188573.71	0.00040	653215.50	4188549.05	0.00040
653217.22	4188524.39	0.00039	653218.94	4188499.73	0.00038
653220.66	4188475.07	0.00037	653222.38	4188450.41	0.00037
653224.10	4188425.75	0.00036	653225.82	4188401.09	0.00035
653227.54	4188376.43	0.00035	653229.27	4188351.76	0.00034
653230.99	4188327.10	0.00034	653232.71	4188302.44	0.00033
653234.43	4188277.78	0.00033	653236.15	4188253.12	0.00032
653237.87	4188228.46	0.00032	653239.59	4188203.80	0.00031
653241.31	4188179.14	0.00031	653243.03	4188154.48	0.00030
653244.75	4188129.82	0.00030	653246.47	4188105.15	0.00029
653248.19	4188080.49	0.00029	653249.91	4188055.83	0.00028
653251.63	4188031.17	0.00028	653232.18	4188006.27	0.00027
653211.02	4188006.03	0.00027	653189.85	4188005.78	0.00027
653157.49	4188039.24	0.00028	653156.51	4188063.20	0.00028
653155.54	4188087.17	0.00029	653114.67	4188088.58	0.00029
653092.77	4188087.94	0.00029	653033.89	4188123.95	0.00029
653032.91	4188142.11	0.00030	653007.61	4188160.16	0.00030
652983.28	4188160.04	0.00030	652958.95	4188159.91	0.00030
653604.00	4191168.00	0.00202	653588.00	4190933.00	0.00400
653594.00	4189999.00	0.00250	653476.00	4189883.00	0.00221
653354.00	4189808.00	0.00199	653542.00	4189703.00	0.00160
653628.00	4189498.00	0.00119	653633.00	4189382.00	0.00104
653629.00	4189120.00	0.00078	653407.00	4188788.00	0.00051
653666.00	4188604.00	0.00048	653683.00	4188423.00	0.00041
653572.00	4188259.00	0.00035	653620.00	4187985.00	0.00029
653337.00	4187981.00	0.00027	652989.00	4188122.00	0.00029
651751.00	4188075.00	0.00028	651729.00	4188986.00	0.00038
651726.00	4189755.00	0.00063	652233.00	4190966.00	0.00252

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE1   ***
INCLUDING SOURCE(S):   L0002341   , L0002342   , L0002343   , L0002344   , L0002345   ,
L0002346   , L0002347   , L0002348   , L0002349   , L0002350   , L0002351   , L0002352   , L0002353   ,

L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00216	652658.00	4191223.00	0.00427
653409.00	4191269.00	0.00158			

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0002301 , L0002302 , L0002303 , L0002304 , L0002305 ,
L0002306 , L0002307 , L0002308 , L0002309 , L0002310 , L0002311 , L0002312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00009	652891.80	4188749.57	0.00014
652898.61	4188748.60	0.00014	652730.73	4191196.29	0.00316
653028.05	4191206.02	0.00138	653168.20	4189206.02	0.00022
653262.60	4189205.05	0.00023	653289.85	4188796.29	0.00015
653273.79	4188795.32	0.00015	653278.66	4188701.89	0.00014
653231.46	4188709.19	0.00014	653231.94	4188697.51	0.00014
653205.18	4188697.02	0.00014	653253.35	4188006.51	0.00008
653168.68	4188005.54	0.00008	653158.46	4188015.27	0.00008
653154.57	4188111.13	0.00009	653138.03	4188112.11	0.00009
653136.57	4188089.23	0.00009	653070.87	4188087.29	0.00009
653060.65	4188096.53	0.00009	653048.49	4188105.78	0.00009
653034.86	4188105.78	0.00009	653031.94	4188160.28	0.00009
652932.84	4188184.36	0.00009	652931.05	4188208.94	0.00009
652929.27	4188233.51	0.00009	652927.48	4188258.09	0.00010
652925.70	4188282.66	0.00010	652923.92	4188307.24	0.00010
652922.13	4188331.81	0.00010	652920.35	4188356.38	0.00010
652918.56	4188380.96	0.00010	652916.78	4188405.53	0.00011
652914.99	4188430.11	0.00011	652913.21	4188454.68	0.00011
652911.43	4188479.25	0.00011	652909.64	4188503.83	0.00011
652907.86	4188528.40	0.00011	652906.07	4188552.98	0.00012
652904.29	4188577.55	0.00012	652902.51	4188602.13	0.00012
652900.72	4188626.70	0.00012	652898.94	4188651.27	0.00013
652897.15	4188675.85	0.00013	652895.37	4188700.42	0.00013
652893.58	4188725.00	0.00013	652896.91	4188773.32	0.00014
652895.22	4188798.05	0.00014	652893.52	4188822.77	0.00014
652891.83	4188847.50	0.00015	652890.13	4188872.22	0.00015
652888.44	4188896.94	0.00015	652886.74	4188921.67	0.00016
652885.04	4188946.39	0.00016	652883.35	4188971.12	0.00016
652881.65	4188995.84	0.00017	652879.96	4189020.57	0.00017
652878.26	4189045.29	0.00017	652876.57	4189070.01	0.00018
652874.87	4189094.74	0.00018	652873.17	4189119.46	0.00019
652871.48	4189144.19	0.00019	652869.78	4189168.91	0.00020
652868.09	4189193.63	0.00020	652866.39	4189218.36	0.00021
652864.69	4189243.08	0.00021	652863.00	4189267.81	0.00022
652861.30	4189292.53	0.00022	652859.61	4189317.26	0.00023
652857.91	4189341.98	0.00023	652856.22	4189366.70	0.00024
652854.52	4189391.43	0.00025	652852.82	4189416.15	0.00026
652851.13	4189440.88	0.00026	652849.43	4189465.60	0.00027
652847.74	4189490.32	0.00028	652846.04	4189515.05	0.00029

652844.35	4189539.77	0.00030	652842.65	4189564.50	0.00031

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0002301 , L0002302 , L0002303 , L0002304 , L0002305 ,
L0002306 , L0002307 , L0002308 , L0002309 , L0002310 , L0002311 , L0002312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00032	652839.26	4189613.94	0.00033
652837.56	4189638.67	0.00034	652835.87	4189663.39	0.00035
652834.17	4189688.12	0.00037	652832.48	4189712.84	0.00038
652830.78	4189737.57	0.00039	652829.08	4189762.29	0.00041
652827.39	4189787.01	0.00043	652825.69	4189811.74	0.00044
652824.00	4189836.46	0.00046	652822.30	4189861.19	0.00048
652820.61	4189885.91	0.00050	652818.91	4189910.63	0.00052
652817.21	4189935.36	0.00055	652815.52	4189960.08	0.00057
652813.82	4189984.81	0.00060	652812.13	4190009.53	0.00063
652810.43	4190034.26	0.00066	652808.73	4190058.98	0.00070
652807.04	4190083.70	0.00074	652805.34	4190108.43	0.00078
652803.65	4190133.15	0.00082	652801.95	4190157.88	0.00087
652800.26	4190182.60	0.00092	652798.56	4190207.32	0.00098
652796.86	4190232.05	0.00104	652795.17	4190256.77	0.00111
652793.47	4190281.50	0.00118	652791.78	4190306.22	0.00126
652790.08	4190330.95	0.00135	652788.39	4190355.67	0.00144
652786.69	4190380.39	0.00154	652784.99	4190405.12	0.00165
652783.30	4190429.84	0.00178	652781.60	4190454.57	0.00191
652779.91	4190479.29	0.00207	652778.21	4190504.01	0.00224
652776.52	4190528.74	0.00244	652774.82	4190553.46	0.00266
652773.12	4190578.19	0.00289	652771.43	4190602.91	0.00316
652769.73	4190627.63	0.00347	652768.04	4190652.36	0.00382
652766.34	4190677.08	0.00420	652764.65	4190701.81	0.00462
652762.95	4190726.53	0.00506	652761.25	4190751.26	0.00554
652759.56	4190775.98	0.00603	652757.86	4190800.70	0.00652
652756.17	4190825.43	0.00694	652754.47	4190850.15	0.00725
652752.77	4190874.88	0.00725	652751.08	4190899.60	0.00732
652749.38	4190924.32	0.00706	652747.69	4190949.05	0.00695
652745.99	4190973.77	0.00672	652744.30	4190998.50	0.00649
652742.60	4191023.22	0.00621	652740.90	4191047.95	0.00591
652739.21	4191072.67	0.00555	652737.51	4191097.39	0.00516
652735.82	4191122.12	0.00472	652734.12	4191146.84	0.00429
652732.43	4191171.57	0.00387	652755.51	4191197.10	0.00292
652780.28	4191197.91	0.00242	652805.06	4191198.72	0.00200
652829.84	4191199.53	0.00188	652854.61	4191200.34	0.00182
652879.39	4191201.16	0.00176	652904.17	4191201.97	0.00170
652928.94	4191202.78	0.00164	652953.72	4191203.59	0.00157
652978.50	4191204.40	0.00151	653003.27	4191205.21	0.00144
653029.78	4191181.33	0.00163	653031.51	4191156.64	0.00190
653033.24	4191131.95	0.00219	653034.97	4191107.25	0.00248

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0002301 , L0002302 , L0002303 , L0002304 , L0002305 ,

L0002306 , L0002307 , L0002308 , L0002309 , L0002310 , L0002311 , L0002312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00277	653038.43	4191057.87	0.00303
653040.16	4191033.18	0.00328	653041.89	4191008.49	0.00351
653043.62	4190983.80	0.00371	653045.35	4190959.11	0.00391
653047.08	4190934.42	0.00409	653048.81	4190909.72	0.00427
653050.54	4190885.03	0.00445	653052.27	4190860.34	0.00465
653054.00	4190835.65	0.00486	653055.73	4190810.96	0.00509
653057.46	4190786.27	0.00535	653059.19	4190761.58	0.00564
653060.92	4190736.88	0.00596	653062.65	4190712.19	0.00629
653064.39	4190687.50	0.00660	653066.12	4190662.81	0.00681
653067.85	4190638.12	0.00682	653069.58	4190613.43	0.00652
653071.31	4190588.74	0.00593	653073.04	4190564.04	0.00521
653074.77	4190539.35	0.00450	653076.50	4190514.66	0.00389
653078.23	4190489.97	0.00337	653079.96	4190465.28	0.00295
653081.69	4190440.59	0.00261	653083.42	4190415.90	0.00233
653085.15	4190391.21	0.00210	653086.88	4190366.51	0.00191
653088.61	4190341.82	0.00175	653090.34	4190317.13	0.00160
653092.07	4190292.44	0.00148	653093.80	4190267.75	0.00137
653095.53	4190243.06	0.00127	653097.26	4190218.37	0.00119
653098.99	4190193.67	0.00111	653100.72	4190168.98	0.00104
653102.45	4190144.29	0.00097	653104.18	4190119.60	0.00092
653105.91	4190094.91	0.00086	653107.64	4190070.22	0.00081
653109.37	4190045.53	0.00077	653111.10	4190020.83	0.00073
653112.83	4189996.14	0.00069	653114.56	4189971.45	0.00066
653116.29	4189946.76	0.00062	653118.02	4189922.07	0.00059
653119.75	4189897.38	0.00057	653121.48	4189872.69	0.00054
653123.21	4189848.00	0.00052	653124.94	4189823.30	0.00050
653126.67	4189798.61	0.00047	653128.40	4189773.92	0.00046
653130.13	4189749.23	0.00044	653131.86	4189724.54	0.00042
653133.60	4189699.85	0.00040	653135.33	4189675.16	0.00039
653137.06	4189650.46	0.00038	653138.79	4189625.77	0.00036
653140.52	4189601.08	0.00035	653142.25	4189576.39	0.00034
653143.98	4189551.70	0.00033	653145.71	4189527.01	0.00032
653147.44	4189502.32	0.00031	653149.17	4189477.62	0.00030
653150.90	4189452.93	0.00029	653152.63	4189428.24	0.00028
653154.36	4189403.55	0.00027	653156.09	4189378.86	0.00026
653157.82	4189354.17	0.00025	653159.55	4189329.48	0.00025
653161.28	4189304.79	0.00024	653163.01	4189280.09	0.00023
653164.74	4189255.40	0.00023	653166.47	4189230.71	0.00022
653191.80	4189205.78	0.00022	653215.40	4189205.54	0.00022
653239.00	4189205.29	0.00022	653264.20	4189181.01	0.00022

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0002301 , L0002302 , L0002303 , L0002304 , L0002305 ,

L0002306 , L0002307 , L0002308 , L0002309 , L0002310 , L0002311 , L0002312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00021	653267.41	4189132.92	0.00021
653269.01	4189108.87	0.00020	653270.61	4189084.83	0.00020

653272.22	4189060.78	0.00019	653273.82	4189036.74	0.00019
653275.42	4189012.69	0.00019	653277.03	4188988.65	0.00018
653278.63	4188964.60	0.00018	653280.23	4188940.56	0.00017
653281.84	4188916.51	0.00017	653283.44	4188892.47	0.00017
653285.04	4188868.42	0.00016	653286.64	4188844.38	0.00016
653288.25	4188820.33	0.00016	653275.01	4188771.96	0.00015
653276.23	4188748.61	0.00015	653277.44	4188725.25	0.00014
653255.06	4188705.54	0.00014	653218.56	4188697.26	0.00014
653206.90	4188672.36	0.00013	653208.62	4188647.70	0.00013
653210.34	4188623.04	0.00013	653212.06	4188598.38	0.00013
653213.78	4188573.71	0.00012	653215.50	4188549.05	0.00012
653217.22	4188524.39	0.00012	653218.94	4188499.73	0.00012
653220.66	4188475.07	0.00011	653222.38	4188450.41	0.00011
653224.10	4188425.75	0.00011	653225.82	4188401.09	0.00011
653227.54	4188376.43	0.00011	653229.27	4188351.76	0.00011
653230.99	4188327.10	0.00010	653232.71	4188302.44	0.00010
653234.43	4188277.78	0.00010	653236.15	4188253.12	0.00010
653237.87	4188228.46	0.00010	653239.59	4188203.80	0.00010
653241.31	4188179.14	0.00009	653243.03	4188154.48	0.00009
653244.75	4188129.82	0.00009	653246.47	4188105.15	0.00009
653248.19	4188080.49	0.00009	653249.91	4188055.83	0.00009
653251.63	4188031.17	0.00009	653232.18	4188006.27	0.00008
653211.02	4188006.03	0.00008	653189.85	4188005.78	0.00008
653157.49	4188039.24	0.00008	653156.51	4188063.20	0.00009
653155.54	4188087.17	0.00009	653114.67	4188088.58	0.00009
653092.77	4188087.94	0.00009	653033.89	4188123.95	0.00009
653032.91	4188142.11	0.00009	653007.61	4188160.16	0.00009
652983.28	4188160.04	0.00009	652958.95	4188159.91	0.00009
653604.00	4191168.00	0.00068	653588.00	4190933.00	0.00107
653594.00	4189999.00	0.00058	653476.00	4189883.00	0.00052
653354.00	4189808.00	0.00050	653542.00	4189703.00	0.00040
653628.00	4189498.00	0.00031	653633.00	4189382.00	0.00028
653629.00	4189120.00	0.00022	653407.00	4188788.00	0.00016
653666.00	4188604.00	0.00015	653683.00	4188423.00	0.00013
653572.00	4188259.00	0.00011	653620.00	4187985.00	0.00009
653337.00	4187981.00	0.00009	652989.00	4188122.00	0.00009
651751.00	4188075.00	0.00010	651729.00	4188986.00	0.00013
651726.00	4189755.00	0.00021	652233.00	4190966.00	0.00117

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE2 ***
INCLUDING SOURCE(S): L0002301 , L0002302 , L0002303 , L0002304 , L0002305 ,
L0002306 , L0002307 , L0002308 , L0002309 , L0002310 , L0002311 , L0002312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00101	652658.00	4191223.00	0.00254
653409.00	4191269.00	0.00065			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0002363 , L0002364 , L0002365 , L0002366 , L0002367 ,
L0002368 , L0002369 , L0002370 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00436	652891.80	4188749.57	0.00090
652898.61	4188748.60	0.00090	652730.73	4191196.29	0.00003
653028.05	4191206.02	0.00003	653168.20	4189206.02	0.00018
653262.60	4189205.05	0.00017	653289.85	4188796.29	0.00039
653273.79	4188795.32	0.00040	653278.66	4188701.89	0.00054
653231.46	4188709.19	0.00056	653231.94	4188697.51	0.00058
653205.18	4188697.02	0.00061	653253.35	4188006.51	0.00180
653168.68	4188005.54	0.00194	653158.46	4188015.27	0.00203
653154.57	4188111.13	0.00326	653138.03	4188112.11	0.00338
653136.57	4188089.23	0.00299	653070.87	4188087.29	0.00312
653060.65	4188096.53	0.00334	653048.49	4188105.78	0.00359
653034.86	4188105.78	0.00359	653031.94	4188160.28	0.00585
652932.84	4188184.36	0.00318	652931.05	4188208.94	0.00351
652929.27	4188233.51	0.00258	652927.48	4188258.09	0.00283
652925.70	4188282.66	0.00410	652923.92	4188307.24	0.00572
652922.13	4188331.81	0.00544	652920.35	4188356.38	0.00507
652918.56	4188380.96	0.00471	652916.78	4188405.53	0.00436
652914.99	4188430.11	0.00402	652913.21	4188454.68	0.00370
652911.43	4188479.25	0.00340	652909.64	4188503.83	0.00311
652907.86	4188528.40	0.00282	652906.07	4188552.98	0.00253
652904.29	4188577.55	0.00225	652902.51	4188602.13	0.00198
652900.72	4188626.70	0.00174	652898.94	4188651.27	0.00153
652897.15	4188675.85	0.00133	652895.37	4188700.42	0.00117
652893.58	4188725.00	0.00102	652896.91	4188773.32	0.00080
652895.22	4188798.05	0.00072	652893.52	4188822.77	0.00065
652891.83	4188847.50	0.00059	652890.13	4188872.22	0.00054
652888.44	4188896.94	0.00049	652886.74	4188921.67	0.00046
652885.04	4188946.39	0.00042	652883.35	4188971.12	0.00039
652881.65	4188995.84	0.00037	652879.96	4189020.57	0.00034
652878.26	4189045.29	0.00032	652876.57	4189070.01	0.00030
652874.87	4189094.74	0.00028	652873.17	4189119.46	0.00027
652871.48	4189144.19	0.00025	652869.78	4189168.91	0.00024
652868.09	4189193.63	0.00023	652866.39	4189218.36	0.00022
652864.69	4189243.08	0.00021	652863.00	4189267.81	0.00020
652861.30	4189292.53	0.00019	652859.61	4189317.26	0.00018
652857.91	4189341.98	0.00017	652856.22	4189366.70	0.00016
652854.52	4189391.43	0.00016	652852.82	4189416.15	0.00015
652851.13	4189440.88	0.00014	652849.43	4189465.60	0.00014
652847.74	4189490.32	0.00013	652846.04	4189515.05	0.00013
652844.35	4189539.77	0.00012	652842.65	4189564.50	0.00012

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0002363 , L0002364 , L0002365 , L0002366 , L0002367 ,
L0002368 , L0002369 , L0002370 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00012	652839.26	4189613.94	0.00011
652837.56	4189638.67	0.00011	652835.87	4189663.39	0.00010
652834.17	4189688.12	0.00010	652832.48	4189712.84	0.00010

652830.78	4189737.57	0.00009	652829.08	4189762.29	0.00009
652827.39	4189787.01	0.00009	652825.69	4189811.74	0.00009
652824.00	4189836.46	0.00008	652822.30	4189861.19	0.00008
652820.61	4189885.91	0.00008	652818.91	4189910.63	0.00008
652817.21	4189935.36	0.00008	652815.52	4189960.08	0.00007
652813.82	4189984.81	0.00007	652812.13	4190009.53	0.00007
652810.43	4190034.26	0.00007	652808.73	4190058.98	0.00007
652807.04	4190083.70	0.00006	652805.34	4190108.43	0.00006
652803.65	4190133.15	0.00006	652801.95	4190157.88	0.00006
652800.26	4190182.60	0.00006	652798.56	4190207.32	0.00006
652796.86	4190232.05	0.00006	652795.17	4190256.77	0.00005
652793.47	4190281.50	0.00005	652791.78	4190306.22	0.00005
652790.08	4190330.95	0.00005	652788.39	4190355.67	0.00005
652786.69	4190380.39	0.00005	652784.99	4190405.12	0.00005
652783.30	4190429.84	0.00005	652781.60	4190454.57	0.00005
652779.91	4190479.29	0.00005	652778.21	4190504.01	0.00004
652776.52	4190528.74	0.00004	652774.82	4190553.46	0.00004
652773.12	4190578.19	0.00004	652771.43	4190602.91	0.00004
652769.73	4190627.63	0.00004	652768.04	4190652.36	0.00004
652766.34	4190677.08	0.00004	652764.65	4190701.81	0.00004
652762.95	4190726.53	0.00004	652761.25	4190751.26	0.00004
652759.56	4190775.98	0.00004	652757.86	4190800.70	0.00004
652756.17	4190825.43	0.00004	652754.47	4190850.15	0.00003
652752.77	4190874.88	0.00003	652751.08	4190899.60	0.00003
652749.38	4190924.32	0.00003	652747.69	4190949.05	0.00003
652745.99	4190973.77	0.00003	652744.30	4190998.50	0.00003
652742.60	4191023.22	0.00003	652740.90	4191047.95	0.00003
652739.21	4191072.67	0.00003	652737.51	4191097.39	0.00003
652735.82	4191122.12	0.00003	652734.12	4191146.84	0.00003
652732.43	4191171.57	0.00003	652755.51	4191197.10	0.00003
652780.28	4191197.91	0.00003	652805.06	4191198.72	0.00003
652829.84	4191199.53	0.00003	652854.61	4191200.34	0.00003
652879.39	4191201.16	0.00003	652904.17	4191201.97	0.00003
652928.94	4191202.78	0.00003	652953.72	4191203.59	0.00003
652978.50	4191204.40	0.00003	653003.27	4191205.21	0.00003
653029.78	4191181.33	0.00003	653031.51	4191156.64	0.00003
653033.24	4191131.95	0.00003	653034.97	4191107.25	0.00003

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0002363 , L0002364 , L0002365 , L0002366 , L0002367 ,
L0002368 , L0002369 , L0002370 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00003	653038.43	4191057.87	0.00003
653040.16	4191033.18	0.00003	653041.89	4191008.49	0.00003
653043.62	4190983.80	0.00003	653045.35	4190959.11	0.00003
653047.08	4190934.42	0.00003	653048.81	4190909.72	0.00003
653050.54	4190885.03	0.00004	653052.27	4190860.34	0.00004
653054.00	4190835.65	0.00004	653055.73	4190810.96	0.00004
653057.46	4190786.27	0.00004	653059.19	4190761.58	0.00004
653060.92	4190736.88	0.00004	653062.65	4190712.19	0.00004
653064.39	4190687.50	0.00004	653066.12	4190662.81	0.00004

653067.85	4190638.12	0.00004	653069.58	4190613.43	0.00004
653071.31	4190588.74	0.00004	653073.04	4190564.04	0.00004
653074.77	4190539.35	0.00004	653076.50	4190514.66	0.00004
653078.23	4190489.97	0.00005	653079.96	4190465.28	0.00005
653081.69	4190440.59	0.00005	653083.42	4190415.90	0.00005
653085.15	4190391.21	0.00005	653086.88	4190366.51	0.00005
653088.61	4190341.82	0.00005	653090.34	4190317.13	0.00005
653092.07	4190292.44	0.00005	653093.80	4190267.75	0.00005
653095.53	4190243.06	0.00005	653097.26	4190218.37	0.00006
653098.99	4190193.67	0.00006	653100.72	4190168.98	0.00006
653102.45	4190144.29	0.00006	653104.18	4190119.60	0.00006
653105.91	4190094.91	0.00006	653107.64	4190070.22	0.00006
653109.37	4190045.53	0.00006	653111.10	4190020.83	0.00007
653112.83	4189996.14	0.00007	653114.56	4189971.45	0.00007
653116.29	4189946.76	0.00007	653118.02	4189922.07	0.00007
653119.75	4189897.38	0.00007	653121.48	4189872.69	0.00008
653123.21	4189848.00	0.00008	653124.94	4189823.30	0.00008
653126.67	4189798.61	0.00008	653128.40	4189773.92	0.00008
653130.13	4189749.23	0.00009	653131.86	4189724.54	0.00009
653133.60	4189699.85	0.00009	653135.33	4189675.16	0.00009
653137.06	4189650.46	0.00010	653138.79	4189625.77	0.00010
653140.52	4189601.08	0.00010	653142.25	4189576.39	0.00011
653143.98	4189551.70	0.00011	653145.71	4189527.01	0.00011
653147.44	4189502.32	0.00012	653149.17	4189477.62	0.00012
653150.90	4189452.93	0.00012	653152.63	4189428.24	0.00013
653154.36	4189403.55	0.00013	653156.09	4189378.86	0.00014
653157.82	4189354.17	0.00014	653159.55	4189329.48	0.00015
653161.28	4189304.79	0.00015	653163.01	4189280.09	0.00016
653164.74	4189255.40	0.00017	653166.47	4189230.71	0.00017
653191.80	4189205.78	0.00018	653215.40	4189205.54	0.00018
653239.00	4189205.29	0.00017	653264.20	4189181.01	0.00017

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE3 ***
INCLUDING SOURCE(S): L0002363 , L0002364 , L0002365 , L0002366 , L0002367 ,

L0002368 , L0002369 , L0002370 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00018	653267.41	4189132.92	0.00019
653269.01	4189108.87	0.00020	653270.61	4189084.83	0.00020
653272.22	4189060.78	0.00021	653273.82	4189036.74	0.00022
653275.42	4189012.69	0.00023	653277.03	4188988.65	0.00025
653278.63	4188964.60	0.00026	653280.23	4188940.56	0.00027
653281.84	4188916.51	0.00029	653283.44	4188892.47	0.00031
653285.04	4188868.42	0.00033	653286.64	4188844.38	0.00035
653288.25	4188820.33	0.00037	653275.01	4188771.96	0.00043
653276.23	4188748.61	0.00046	653277.44	4188725.25	0.00049
653255.06	4188705.54	0.00055	653218.56	4188697.26	0.00060
653206.90	4188672.36	0.00067	653208.62	4188647.70	0.00075
653210.34	4188623.04	0.00085	653212.06	4188598.38	0.00101
653213.78	4188573.71	0.00127	653215.50	4188549.05	0.00169
653217.22	4188524.39	0.00229	653218.94	4188499.73	0.00301
653220.66	4188475.07	0.00373	653222.38	4188450.41	0.00432

653224.10	4188425.75	0.00475	653225.82	4188401.09	0.00501
653227.54	4188376.43	0.00511	653229.27	4188351.76	0.00510
653230.99	4188327.10	0.00498	653232.71	4188302.44	0.00480
653234.43	4188277.78	0.00457	653236.15	4188253.12	0.00430
653237.87	4188228.46	0.00401	653239.59	4188203.80	0.00371
653241.31	4188179.14	0.00341	653243.03	4188154.48	0.00312
653244.75	4188129.82	0.00285	653246.47	4188105.15	0.00260
653248.19	4188080.49	0.00237	653249.91	4188055.83	0.00216
653251.63	4188031.17	0.00197	653232.18	4188006.27	0.00184
653211.02	4188006.03	0.00188	653189.85	4188005.78	0.00191
653157.49	4188039.24	0.00228	653156.51	4188063.20	0.00256
653155.54	4188087.17	0.00289	653114.67	4188088.58	0.00306
653092.77	4188087.94	0.00310	653033.89	4188123.95	0.00418
653032.91	4188142.11	0.00493	653007.61	4188160.16	0.00609
652983.28	4188160.04	0.00604	652958.95	4188159.91	0.00538
653604.00	4191168.00	0.00003	653588.00	4190933.00	0.00003
653594.00	4189999.00	0.00006	653476.00	4189883.00	0.00007
653354.00	4189808.00	0.00008	653542.00	4189703.00	0.00007
653628.00	4189498.00	0.00009	653633.00	4189382.00	0.00011
653629.00	4189120.00	0.00014	653407.00	4188788.00	0.00036
653666.00	4188604.00	0.00064	653683.00	4188423.00	0.00094
653572.00	4188259.00	0.00135	653620.00	4187985.00	0.00091
653337.00	4187981.00	0.00146	652989.00	4188122.00	0.00393
651751.00	4188075.00	0.00021	651729.00	4188986.00	0.00025
651726.00	4189755.00	0.00014	652233.00	4190966.00	0.00004

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**MODELOPTs: NonDFAULT CONC   FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE3   ***
INCLUDING SOURCE(S):   L0002363   , L0002364   , L0002365   , L0002366   , L0002367   ,
L0002368   , L0002369   , L0002370   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00004	652658.00	4191223.00	0.00003
653409.00	4191269.00	0.00003			

♀ *** AERMOD - VERSION 12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc   ***   06/14/12
*** Lathrop Railyard Expansion   ***   16:41:19
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**MODELOPTs: NonDFAULT CONC   FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE4   ***
INCLUDING SOURCE(S):   L0002371   , L0002372   , L0002373   , L0002374   , L0002375   ,
L0002376   , L0002377   , L0002378   , L0002379   , L0002380   , L0002381   , L0002382   , L0002383   ,
L0002384   , L0002385   , L0002386   , L0002387   , L0002388   , L0002389   , L0002390   , L0002391   ,
L0002392   , L0002393   , L0002394   , L0002395   , L0002396   , L0002397   , L0002398   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00010	652891.80	4188749.57	0.00062
652898.61	4188748.60	0.00066	652730.73	4191196.29	0.00007
653028.05	4191206.02	0.00005	653168.20	4189206.02	0.00081
653262.60	4189205.05	0.00057	653289.85	4188796.29	0.00055
653273.79	4188795.32	0.00058	653278.66	4188701.89	0.00057
653231.46	4188709.19	0.00068	653231.94	4188697.51	0.00068
653205.18	4188697.02	0.00077	653253.35	4188006.51	0.00011

653168.68	4188005.54	0.00010	653158.46	4188015.27	0.00010
653154.57	4188111.13	0.00013	653138.03	4188112.11	0.00013
653136.57	4188089.23	0.00012	653070.87	4188087.29	0.00011
653060.65	4188096.53	0.00011	653048.49	4188105.78	0.00011
653034.86	4188105.78	0.00011	653031.94	4188160.28	0.00012
652932.84	4188184.36	0.00011	652931.05	4188208.94	0.00012
652929.27	4188233.51	0.00013	652927.48	4188258.09	0.00013
652925.70	4188282.66	0.00014	652923.92	4188307.24	0.00015
652922.13	4188331.81	0.00016	652920.35	4188356.38	0.00018
652918.56	4188380.96	0.00019	652916.78	4188405.53	0.00022
652914.99	4188430.11	0.00024	652913.21	4188454.68	0.00028
652911.43	4188479.25	0.00032	652909.64	4188503.83	0.00036
652907.86	4188528.40	0.00041	652906.07	4188552.98	0.00045
652904.29	4188577.55	0.00049	652902.51	4188602.13	0.00052
652900.72	4188626.70	0.00055	652898.94	4188651.27	0.00057
652897.15	4188675.85	0.00059	652895.37	4188700.42	0.00060
652893.58	4188725.00	0.00061	652896.91	4188773.32	0.00066
652895.22	4188798.05	0.00067	652893.52	4188822.77	0.00068
652891.83	4188847.50	0.00068	652890.13	4188872.22	0.00069
652888.44	4188896.94	0.00069	652886.74	4188921.67	0.00070
652885.04	4188946.39	0.00070	652883.35	4188971.12	0.00071
652881.65	4188995.84	0.00071	652879.96	4189020.57	0.00071
652878.26	4189045.29	0.00071	652876.57	4189070.01	0.00072
652874.87	4189094.74	0.00072	652873.17	4189119.46	0.00072
652871.48	4189144.19	0.00072	652869.78	4189168.91	0.00072
652868.09	4189193.63	0.00073	652866.39	4189218.36	0.00073
652864.69	4189243.08	0.00073	652863.00	4189267.81	0.00073
652861.30	4189292.53	0.00073	652859.61	4189317.26	0.00073
652857.91	4189341.98	0.00073	652856.22	4189366.70	0.00073
652854.52	4189391.43	0.00073	652852.82	4189416.15	0.00073
652851.13	4189440.88	0.00074	652849.43	4189465.60	0.00074
652847.74	4189490.32	0.00074	652846.04	4189515.05	0.00074
652844.35	4189539.77	0.00074	652842.65	4189564.50	0.00074

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,
L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00074	652839.26	4189613.94	0.00074
652837.56	4189638.67	0.00074	652835.87	4189663.39	0.00074
652834.17	4189688.12	0.00074	652832.48	4189712.84	0.00074
652830.78	4189737.57	0.00074	652829.08	4189762.29	0.00074
652827.39	4189787.01	0.00074	652825.69	4189811.74	0.00074
652824.00	4189836.46	0.00074	652822.30	4189861.19	0.00074
652820.61	4189885.91	0.00074	652818.91	4189910.63	0.00074
652817.21	4189935.36	0.00074	652815.52	4189960.08	0.00073
652813.82	4189984.81	0.00073	652812.13	4190009.53	0.00073
652810.43	4190034.26	0.00073	652808.73	4190058.98	0.00073
652807.04	4190083.70	0.00073	652805.34	4190108.43	0.00073

652803.65	4190133.15	0.00073	652801.95	4190157.88	0.00073
652800.26	4190182.60	0.00072	652798.56	4190207.32	0.00072
652796.86	4190232.05	0.00072	652795.17	4190256.77	0.00072
652793.47	4190281.50	0.00072	652791.78	4190306.22	0.00071
652790.08	4190330.95	0.00071	652788.39	4190355.67	0.00071
652786.69	4190380.39	0.00070	652784.99	4190405.12	0.00070
652783.30	4190429.84	0.00070	652781.60	4190454.57	0.00069
652779.91	4190479.29	0.00069	652778.21	4190504.01	0.00068
652776.52	4190528.74	0.00068	652774.82	4190553.46	0.00067
652773.12	4190578.19	0.00066	652771.43	4190602.91	0.00066
652769.73	4190627.63	0.00065	652768.04	4190652.36	0.00064
652766.34	4190677.08	0.00063	652764.65	4190701.81	0.00062
652762.95	4190726.53	0.00061	652761.25	4190751.26	0.00059
652759.56	4190775.98	0.00055	652757.86	4190800.70	0.00049
652756.17	4190825.43	0.00042	652754.47	4190850.15	0.00035
652752.77	4190874.88	0.00029	652751.08	4190899.60	0.00025
652749.38	4190924.32	0.00021	652747.69	4190949.05	0.00018
652745.99	4190973.77	0.00016	652744.30	4190998.50	0.00014
652742.60	4191023.22	0.00013	652740.90	4191047.95	0.00012
652739.21	4191072.67	0.00011	652737.51	4191097.39	0.00010
652735.82	4191122.12	0.00009	652734.12	4191146.84	0.00008
652732.43	4191171.57	0.00008	652755.51	4191197.10	0.00007
652780.28	4191197.91	0.00007	652805.06	4191198.72	0.00006
652829.84	4191199.53	0.00006	652854.61	4191200.34	0.00006
652879.39	4191201.16	0.00006	652904.17	4191201.97	0.00006
652928.94	4191202.78	0.00005	652953.72	4191203.59	0.00005
652978.50	4191204.40	0.00005	653003.27	4191205.21	0.00005
653029.78	4191181.33	0.00005	653031.51	4191156.64	0.00006
653033.24	4191131.95	0.00006	653034.97	4191107.25	0.00006

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,
L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00007	653038.43	4191057.87	0.00007
653040.16	4191033.18	0.00008	653041.89	4191008.49	0.00008
653043.62	4190983.80	0.00009	653045.35	4190959.11	0.00010
653047.08	4190934.42	0.00010	653048.81	4190909.72	0.00011
653050.54	4190885.03	0.00013	653052.27	4190860.34	0.00015
653054.00	4190835.65	0.00017	653055.73	4190810.96	0.00020
653057.46	4190786.27	0.00023	653059.19	4190761.58	0.00027
653060.92	4190736.88	0.00032	653062.65	4190712.19	0.00036
653064.39	4190687.50	0.00041	653066.12	4190662.81	0.00045
653067.85	4190638.12	0.00050	653069.58	4190613.43	0.00053
653071.31	4190588.74	0.00057	653073.04	4190564.04	0.00060
653074.77	4190539.35	0.00062	653076.50	4190514.66	0.00064
653078.23	4190489.97	0.00066	653079.96	4190465.28	0.00068
653081.69	4190440.59	0.00069	653083.42	4190415.90	0.00070

653085.15	4190391.21	0.00071	653086.88	4190366.51	0.00072
653088.61	4190341.82	0.00073	653090.34	4190317.13	0.00074
653092.07	4190292.44	0.00074	653093.80	4190267.75	0.00075
653095.53	4190243.06	0.00075	653097.26	4190218.37	0.00076
653098.99	4190193.67	0.00076	653100.72	4190168.98	0.00077
653102.45	4190144.29	0.00077	653104.18	4190119.60	0.00078
653105.91	4190094.91	0.00078	653107.64	4190070.22	0.00078
653109.37	4190045.53	0.00078	653111.10	4190020.83	0.00079
653112.83	4189996.14	0.00079	653114.56	4189971.45	0.00079
653116.29	4189946.76	0.00079	653118.02	4189922.07	0.00079
653119.75	4189897.38	0.00080	653121.48	4189872.69	0.00080
653123.21	4189848.00	0.00080	653124.94	4189823.30	0.00080
653126.67	4189798.61	0.00080	653128.40	4189773.92	0.00080
653130.13	4189749.23	0.00080	653131.86	4189724.54	0.00080
653133.60	4189699.85	0.00081	653135.33	4189675.16	0.00081
653137.06	4189650.46	0.00081	653138.79	4189625.77	0.00081
653140.52	4189601.08	0.00081	653142.25	4189576.39	0.00081
653143.98	4189551.70	0.00081	653145.71	4189527.01	0.00081
653147.44	4189502.32	0.00081	653149.17	4189477.62	0.00081
653150.90	4189452.93	0.00081	653152.63	4189428.24	0.00081
653154.36	4189403.55	0.00081	653156.09	4189378.86	0.00081
653157.82	4189354.17	0.00081	653159.55	4189329.48	0.00081
653161.28	4189304.79	0.00081	653163.01	4189280.09	0.00081
653164.74	4189255.40	0.00081	653166.47	4189230.71	0.00081
653191.80	4189205.78	0.00073	653215.40	4189205.54	0.00067
653239.00	4189205.29	0.00062	653264.20	4189181.01	0.00057

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,
L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00057	653267.41	4189132.92	0.00057
653269.01	4189108.87	0.00057	653270.61	4189084.83	0.00057
653272.22	4189060.78	0.00057	653273.82	4189036.74	0.00057
653275.42	4189012.69	0.00057	653277.03	4188988.65	0.00057
653278.63	4188964.60	0.00057	653280.23	4188940.56	0.00056
653281.84	4188916.51	0.00056	653283.44	4188892.47	0.00056
653285.04	4188868.42	0.00056	653286.64	4188844.38	0.00056
653288.25	4188820.33	0.00055	653275.01	4188771.96	0.00058
653276.23	4188748.61	0.00058	653277.44	4188725.25	0.00058
653255.06	4188705.54	0.00062	653218.56	4188697.26	0.00072
653206.90	4188672.36	0.00076	653208.62	4188647.70	0.00075
653210.34	4188623.04	0.00075	653212.06	4188598.38	0.00074
653213.78	4188573.71	0.00073	653215.50	4188549.05	0.00071
653217.22	4188524.39	0.00069	653218.94	4188499.73	0.00066
653220.66	4188475.07	0.00062	653222.38	4188450.41	0.00058
653224.10	4188425.75	0.00054	653225.82	4188401.09	0.00049
653227.54	4188376.43	0.00044	653229.27	4188351.76	0.00040
653230.99	4188327.10	0.00035	653232.71	4188302.44	0.00032

653234.43	4188277.78	0.00028	653236.15	4188253.12	0.00026
653237.87	4188228.46	0.00023	653239.59	4188203.80	0.00021
653241.31	4188179.14	0.00019	653243.03	4188154.48	0.00017
653244.75	4188129.82	0.00016	653246.47	4188105.15	0.00015
653248.19	4188080.49	0.00014	653249.91	4188055.83	0.00013
653251.63	4188031.17	0.00012	653232.18	4188006.27	0.00011
653211.02	4188006.03	0.00011	653189.85	4188005.78	0.00010
653157.49	4188039.24	0.00011	653156.51	4188063.20	0.00012
653155.54	4188087.17	0.00012	653114.67	4188088.58	0.00012
653092.77	4188087.94	0.00011	653033.89	4188123.95	0.00011
653032.91	4188142.11	0.00012	653007.61	4188160.16	0.00012
652983.28	4188160.04	0.00011	652958.95	4188159.91	0.00011
653604.00	4191168.00	0.00004	653588.00	4190933.00	0.00007
653594.00	4189999.00	0.00022	653476.00	4189883.00	0.00029
653354.00	4189808.00	0.00039	653542.00	4189703.00	0.00027
653628.00	4189498.00	0.00024	653633.00	4189382.00	0.00025
653629.00	4189120.00	0.00026	653407.00	4188788.00	0.00040
653666.00	4188604.00	0.00022	653683.00	4188423.00	0.00018
653572.00	4188259.00	0.00018	653620.00	4187985.00	0.00011
653337.00	4187981.00	0.00011	652989.00	4188122.00	0.00010
651751.00	4188075.00	0.00003	651729.00	4188986.00	0.00006
651726.00	4189755.00	0.00009	652233.00	4190966.00	0.00013

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE4 ***
INCLUDING SOURCE(S): L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,
L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00010	652658.00	4191223.00	0.00008
653409.00	4191269.00	0.00004			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE4 ***
INCLUDING SOURCE(S): L0012371 , L0012372 , L0012373 , L0012374 , L0012375 ,
L0012376 , L0012377 , L0012378 , L0012379 , L0012380 , L0012381 , L0012382 , L0012383 ,
L0012384 , L0012385 , L0012386 , L0012387 , L0012388 , L0012389 , L0012390 , L0012391 ,
L0012392 , L0012393 , L0012394 , L0012395 , L0012396 , L0012397 , L0012398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00030	652891.80	4188749.57	0.00060
652898.61	4188748.60	0.00060	652730.73	4191196.29	0.00011
653028.05	4191206.02	0.00009	653168.20	4189206.02	0.00088
653262.60	4189205.05	0.00081	653289.85	4188796.29	0.00082
653273.79	4188795.32	0.00083	653278.66	4188701.89	0.00082
653231.46	4188709.19	0.00086	653231.94	4188697.51	0.00086
653205.18	4188697.02	0.00087	653253.35	4188006.51	0.00030
653168.68	4188005.54	0.00028	653158.46	4188015.27	0.00028

653154.57	4188111.13	0.00032	653138.03	4188112.11	0.00032
653136.57	4188089.23	0.00031	653070.87	4188087.29	0.00028
653060.65	4188096.53	0.00028	653048.49	4188105.78	0.00028
653034.86	4188105.78	0.00028	653031.94	4188160.28	0.00030
652932.84	4188184.36	0.00031	652931.05	4188208.94	0.00032
652929.27	4188233.51	0.00033	652927.48	4188258.09	0.00034
652925.70	4188282.66	0.00035	652923.92	4188307.24	0.00036
652922.13	4188331.81	0.00037	652920.35	4188356.38	0.00038
652918.56	4188380.96	0.00040	652916.78	4188405.53	0.00041
652914.99	4188430.11	0.00042	652913.21	4188454.68	0.00044
652911.43	4188479.25	0.00045	652909.64	4188503.83	0.00047
652907.86	4188528.40	0.00049	652906.07	4188552.98	0.00051
652904.29	4188577.55	0.00053	652902.51	4188602.13	0.00054
652900.72	4188626.70	0.00056	652898.94	4188651.27	0.00057
652897.15	4188675.85	0.00058	652895.37	4188700.42	0.00059
652893.58	4188725.00	0.00059	652896.91	4188773.32	0.00061
652895.22	4188798.05	0.00061	652893.52	4188822.77	0.00062
652891.83	4188847.50	0.00062	652890.13	4188872.22	0.00062
652888.44	4188896.94	0.00062	652886.74	4188921.67	0.00063
652885.04	4188946.39	0.00063	652883.35	4188971.12	0.00063
652881.65	4188995.84	0.00063	652879.96	4189020.57	0.00063
652878.26	4189045.29	0.00063	652876.57	4189070.01	0.00063
652874.87	4189094.74	0.00063	652873.17	4189119.46	0.00063
652871.48	4189144.19	0.00063	652869.78	4189168.91	0.00063
652868.09	4189193.63	0.00063	652866.39	4189218.36	0.00063
652864.69	4189243.08	0.00063	652863.00	4189267.81	0.00063
652861.30	4189292.53	0.00063	652859.61	4189317.26	0.00063
652857.91	4189341.98	0.00063	652856.22	4189366.70	0.00063
652854.52	4189391.43	0.00063	652852.82	4189416.15	0.00063
652851.13	4189440.88	0.00063	652849.43	4189465.60	0.00063
652847.74	4189490.32	0.00063	652846.04	4189515.05	0.00063
652844.35	4189539.77	0.00062	652842.65	4189564.50	0.00062

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE4 ***
INCLUDING SOURCE(S): L0012371 , L0012372 , L0012373 , L0012374 , L0012375 ,
L0012376 , L0012377 , L0012378 , L0012379 , L0012380 , L0012381 , L0012382 , L0012383 ,
L0012384 , L0012385 , L0012386 , L0012387 , L0012388 , L0012389 , L0012390 , L0012391 ,
L0012392 , L0012393 , L0012394 , L0012395 , L0012396 , L0012397 , L0012398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00062	652839.26	4189613.94	0.00062
652837.56	4189638.67	0.00062	652835.87	4189663.39	0.00062
652834.17	4189688.12	0.00061	652832.48	4189712.84	0.00061
652830.78	4189737.57	0.00061	652829.08	4189762.29	0.00061
652827.39	4189787.01	0.00061	652825.69	4189811.74	0.00060
652824.00	4189836.46	0.00060	652822.30	4189861.19	0.00060
652820.61	4189885.91	0.00060	652818.91	4189910.63	0.00059
652817.21	4189935.36	0.00059	652815.52	4189960.08	0.00059
652813.82	4189984.81	0.00058	652812.13	4190009.53	0.00058
652810.43	4190034.26	0.00057	652808.73	4190058.98	0.00057
652807.04	4190083.70	0.00057	652805.34	4190108.43	0.00056

652803.65	4190133.15	0.00056	652801.95	4190157.88	0.00055
652800.26	4190182.60	0.00055	652798.56	4190207.32	0.00054
652796.86	4190232.05	0.00054	652795.17	4190256.77	0.00053
652793.47	4190281.50	0.00053	652791.78	4190306.22	0.00052
652790.08	4190330.95	0.00051	652788.39	4190355.67	0.00051
652786.69	4190380.39	0.00050	652784.99	4190405.12	0.00049
652783.30	4190429.84	0.00048	652781.60	4190454.57	0.00047
652779.91	4190479.29	0.00046	652778.21	4190504.01	0.00045
652776.52	4190528.74	0.00044	652774.82	4190553.46	0.00043
652773.12	4190578.19	0.00042	652771.43	4190602.91	0.00041
652769.73	4190627.63	0.00040	652768.04	4190652.36	0.00039
652766.34	4190677.08	0.00037	652764.65	4190701.81	0.00036
652762.95	4190726.53	0.00035	652761.25	4190751.26	0.00033
652759.56	4190775.98	0.00032	652757.86	4190800.70	0.00029
652756.17	4190825.43	0.00027	652754.47	4190850.15	0.00024
652752.77	4190874.88	0.00022	652751.08	4190899.60	0.00020
652749.38	4190924.32	0.00018	652747.69	4190949.05	0.00017
652745.99	4190973.77	0.00016	652744.30	4190998.50	0.00015
652742.60	4191023.22	0.00014	652740.90	4191047.95	0.00013
652739.21	4191072.67	0.00013	652737.51	4191097.39	0.00012
652735.82	4191122.12	0.00012	652734.12	4191146.84	0.00011
652732.43	4191171.57	0.00011	652755.51	4191197.10	0.00010
652780.28	4191197.91	0.00010	652805.06	4191198.72	0.00010
652829.84	4191199.53	0.00010	652854.61	4191200.34	0.00010
652879.39	4191201.16	0.00010	652904.17	4191201.97	0.00010
652928.94	4191202.78	0.00010	652953.72	4191203.59	0.00010
652978.50	4191204.40	0.00009	653003.27	4191205.21	0.00009
653029.78	4191181.33	0.00009	653031.51	4191156.64	0.00009
653033.24	4191131.95	0.00010	653034.97	4191107.25	0.00010

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE4 ***
INCLUDING SOURCE(S): L0012371 , L0012372 , L0012373 , L0012374 , L0012375 ,
L0012376 , L0012377 , L0012378 , L0012379 , L0012380 , L0012381 , L0012382 , L0012383 ,
L0012384 , L0012385 , L0012386 , L0012387 , L0012388 , L0012389 , L0012390 , L0012391 ,
L0012392 , L0012393 , L0012394 , L0012395 , L0012396 , L0012397 , L0012398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00010	653038.43	4191057.87	0.00010
653040.16	4191033.18	0.00011	653041.89	4191008.49	0.00011
653043.62	4190983.80	0.00011	653045.35	4190959.11	0.00012
653047.08	4190934.42	0.00012	653048.81	4190909.72	0.00013
653050.54	4190885.03	0.00014	653052.27	4190860.34	0.00015
653054.00	4190835.65	0.00017	653055.73	4190810.96	0.00019
653057.46	4190786.27	0.00023	653059.19	4190761.58	0.00027
653060.92	4190736.88	0.00031	653062.65	4190712.19	0.00035
653064.39	4190687.50	0.00039	653066.12	4190662.81	0.00043
653067.85	4190638.12	0.00047	653069.58	4190613.43	0.00050
653071.31	4190588.74	0.00053	653073.04	4190564.04	0.00055
653074.77	4190539.35	0.00058	653076.50	4190514.66	0.00060
653078.23	4190489.97	0.00061	653079.96	4190465.28	0.00063
653081.69	4190440.59	0.00064	653083.42	4190415.90	0.00066
653085.15	4190391.21	0.00067	653086.88	4190366.51	0.00068

653088.61	4190341.82	0.00069	653090.34	4190317.13	0.00070
653092.07	4190292.44	0.00071	653093.80	4190267.75	0.00072
653095.53	4190243.06	0.00073	653097.26	4190218.37	0.00074
653098.99	4190193.67	0.00075	653100.72	4190168.98	0.00075
653102.45	4190144.29	0.00076	653104.18	4190119.60	0.00077
653105.91	4190094.91	0.00077	653107.64	4190070.22	0.00078
653109.37	4190045.53	0.00078	653111.10	4190020.83	0.00079
653112.83	4189996.14	0.00079	653114.56	4189971.45	0.00080
653116.29	4189946.76	0.00080	653118.02	4189922.07	0.00081
653119.75	4189897.38	0.00081	653121.48	4189872.69	0.00082
653123.21	4189848.00	0.00082	653124.94	4189823.30	0.00082
653126.67	4189798.61	0.00083	653128.40	4189773.92	0.00083
653130.13	4189749.23	0.00083	653131.86	4189724.54	0.00084
653133.60	4189699.85	0.00084	653135.33	4189675.16	0.00084
653137.06	4189650.46	0.00085	653138.79	4189625.77	0.00085
653140.52	4189601.08	0.00085	653142.25	4189576.39	0.00085
653143.98	4189551.70	0.00085	653145.71	4189527.01	0.00086
653147.44	4189502.32	0.00086	653149.17	4189477.62	0.00086
653150.90	4189452.93	0.00086	653152.63	4189428.24	0.00086
653154.36	4189403.55	0.00087	653156.09	4189378.86	0.00087
653157.82	4189354.17	0.00087	653159.55	4189329.48	0.00087
653161.28	4189304.79	0.00087	653163.01	4189280.09	0.00087
653164.74	4189255.40	0.00087	653166.47	4189230.71	0.00087
653191.80	4189205.78	0.00086	653215.40	4189205.54	0.00084
653239.00	4189205.29	0.00083	653264.20	4189181.01	0.00081

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE4 ***
INCLUDING SOURCE(S): L0012371 , L0012372 , L0012373 , L0012374 , L0012375 ,
L0012376 , L0012377 , L0012378 , L0012379 , L0012380 , L0012381 , L0012382 , L0012383 ,
L0012384 , L0012385 , L0012386 , L0012387 , L0012388 , L0012389 , L0012390 , L0012391 ,
L0012392 , L0012393 , L0012394 , L0012395 , L0012396 , L0012397 , L0012398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00081	653267.41	4189132.92	0.00081
653269.01	4189108.87	0.00081	653270.61	4189084.83	0.00081
653272.22	4189060.78	0.00081	653273.82	4189036.74	0.00081
653275.42	4189012.69	0.00081	653277.03	4188988.65	0.00082
653278.63	4188964.60	0.00082	653280.23	4188940.56	0.00082
653281.84	4188916.51	0.00082	653283.44	4188892.47	0.00082
653285.04	4188868.42	0.00082	653286.64	4188844.38	0.00082
653288.25	4188820.33	0.00082	653275.01	4188771.96	0.00083
653276.23	4188748.61	0.00083	653277.44	4188725.25	0.00083
653255.06	4188705.54	0.00084	653218.56	4188697.26	0.00086
653206.90	4188672.36	0.00087	653208.62	4188647.70	0.00087
653210.34	4188623.04	0.00087	653212.06	4188598.38	0.00086
653213.78	4188573.71	0.00085	653215.50	4188549.05	0.00085
653217.22	4188524.39	0.00083	653218.94	4188499.73	0.00081
653220.66	4188475.07	0.00078	653222.38	4188450.41	0.00074
653224.10	4188425.75	0.00070	653225.82	4188401.09	0.00065
653227.54	4188376.43	0.00061	653229.27	4188351.76	0.00057
653230.99	4188327.10	0.00054	653232.71	4188302.44	0.00051

653234.43	4188277.78	0.00048	653236.15	4188253.12	0.00045
653237.87	4188228.46	0.00043	653239.59	4188203.80	0.00041
653241.31	4188179.14	0.00039	653243.03	4188154.48	0.00038
653244.75	4188129.82	0.00036	653246.47	4188105.15	0.00035
653248.19	4188080.49	0.00033	653249.91	4188055.83	0.00032
653251.63	4188031.17	0.00031	653232.18	4188006.27	0.00030
653211.02	4188006.03	0.00029	653189.85	4188005.78	0.00029
653157.49	4188039.24	0.00029	653156.51	4188063.20	0.00030
653155.54	4188087.17	0.00031	653114.67	4188088.58	0.00030
653092.77	4188087.94	0.00029	653033.89	4188123.95	0.00028
653032.91	4188142.11	0.00029	653007.61	4188160.16	0.00029
652983.28	4188160.04	0.00029	652958.95	4188159.91	0.00030
653604.00	4191168.00	0.00008	653588.00	4190933.00	0.00013
653594.00	4189999.00	0.00047	653476.00	4189883.00	0.00056
653354.00	4189808.00	0.00065	653542.00	4189703.00	0.00056
653628.00	4189498.00	0.00054	653633.00	4189382.00	0.00056
653629.00	4189120.00	0.00058	653407.00	4188788.00	0.00073
653666.00	4188604.00	0.00055	653683.00	4188423.00	0.00048
653572.00	4188259.00	0.00044	653620.00	4187985.00	0.00031
653337.00	4187981.00	0.00030	652989.00	4188122.00	0.00028
651751.00	4188075.00	0.00016	651729.00	4188986.00	0.00021
651726.00	4189755.00	0.00025	652233.00	4190966.00	0.00022

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE4 ***
INCLUDING SOURCE(S): L0012371 , L0012372 , L0012373 , L0012374 , L0012375 ,
L0012376 , L0012377 , L0012378 , L0012379 , L0012380 , L0012381 , L0012382 , L0012383 ,
L0012384 , L0012385 , L0012386 , L0012387 , L0012388 , L0012389 , L0012390 , L0012391 ,
L0012392 , L0012393 , L0012394 , L0012395 , L0012396 , L0012397 , L0012398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00018	652658.00	4191223.00	0.00012
653409.00	4191269.00	0.00007			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0002465 , L0002466 , L0002467 , L0002468 , L0002469 ,
L0002470 , L0002471 , L0002472 , L0002473 , L0002474 , L0002475 , L0002476 , L0002477 ,
L0002478 , L0002479 , L0002480 , L0002481 , L0002482 , L0002483 , L0002484 , L0002485 ,
L0002486 , L0002487 , L0002488 , L0002489 , L0002490 , L0002491 , L0002492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00008	652891.80	4188749.57	0.00034
652898.61	4188748.60	0.00035	652730.73	4191196.29	0.00006
653028.05	4191206.02	0.00004	653168.20	4189206.02	0.00138
653262.60	4189205.05	0.00080	653289.85	4188796.29	0.00077
653273.79	4188795.32	0.00083	653278.66	4188701.89	0.00082
653231.46	4188709.19	0.00108	653231.94	4188697.51	0.00107
653205.18	4188697.02	0.00131	653253.35	4188006.51	0.00008
653168.68	4188005.54	0.00008	653158.46	4188015.27	0.00008

653154.57	4188111.13	0.00009	653138.03	4188112.11	0.00009
653136.57	4188089.23	0.00009	653070.87	4188087.29	0.00008
653060.65	4188096.53	0.00008	653048.49	4188105.78	0.00008
653034.86	4188105.78	0.00008	653031.94	4188160.28	0.00009
652932.84	4188184.36	0.00008	652931.05	4188208.94	0.00009
652929.27	4188233.51	0.00009	652927.48	4188258.09	0.00009
652925.70	4188282.66	0.00010	652923.92	4188307.24	0.00010
652922.13	4188331.81	0.00011	652920.35	4188356.38	0.00011
652918.56	4188380.96	0.00012	652916.78	4188405.53	0.00013
652914.99	4188430.11	0.00014	652913.21	4188454.68	0.00015
652911.43	4188479.25	0.00016	652909.64	4188503.83	0.00017
652907.86	4188528.40	0.00019	652906.07	4188552.98	0.00020
652904.29	4188577.55	0.00022	652902.51	4188602.13	0.00024
652900.72	4188626.70	0.00026	652898.94	4188651.27	0.00028
652897.15	4188675.85	0.00030	652895.37	4188700.42	0.00031
652893.58	4188725.00	0.00033	652896.91	4188773.32	0.00037
652895.22	4188798.05	0.00038	652893.52	4188822.77	0.00039
652891.83	4188847.50	0.00040	652890.13	4188872.22	0.00040
652888.44	4188896.94	0.00041	652886.74	4188921.67	0.00042
652885.04	4188946.39	0.00042	652883.35	4188971.12	0.00043
652881.65	4188995.84	0.00043	652879.96	4189020.57	0.00044
652878.26	4189045.29	0.00044	652876.57	4189070.01	0.00044
652874.87	4189094.74	0.00045	652873.17	4189119.46	0.00045
652871.48	4189144.19	0.00045	652869.78	4189168.91	0.00045
652868.09	4189193.63	0.00046	652866.39	4189218.36	0.00046
652864.69	4189243.08	0.00046	652863.00	4189267.81	0.00046
652861.30	4189292.53	0.00046	652859.61	4189317.26	0.00046
652857.91	4189341.98	0.00046	652856.22	4189366.70	0.00047
652854.52	4189391.43	0.00047	652852.82	4189416.15	0.00047
652851.13	4189440.88	0.00047	652849.43	4189465.60	0.00047
652847.74	4189490.32	0.00047	652846.04	4189515.05	0.00047
652844.35	4189539.77	0.00047	652842.65	4189564.50	0.00047

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0002465 , L0002466 , L0002467 , L0002468 , L0002469 ,
L0002470 , L0002471 , L0002472 , L0002473 , L0002474 , L0002475 , L0002476 , L0002477 ,
L0002478 , L0002479 , L0002480 , L0002481 , L0002482 , L0002483 , L0002484 , L0002485 ,
L0002486 , L0002487 , L0002488 , L0002489 , L0002490 , L0002491 , L0002492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00047	652839.26	4189613.94	0.00047
652837.56	4189638.67	0.00047	652835.87	4189663.39	0.00047
652834.17	4189688.12	0.00047	652832.48	4189712.84	0.00047
652830.78	4189737.57	0.00047	652829.08	4189762.29	0.00047
652827.39	4189787.01	0.00047	652825.69	4189811.74	0.00047
652824.00	4189836.46	0.00047	652822.30	4189861.19	0.00047
652820.61	4189885.91	0.00046	652818.91	4189910.63	0.00046
652817.21	4189935.36	0.00046	652815.52	4189960.08	0.00046
652813.82	4189984.81	0.00046	652812.13	4190009.53	0.00046
652810.43	4190034.26	0.00046	652808.73	4190058.98	0.00045
652807.04	4190083.70	0.00045	652805.34	4190108.43	0.00045
652803.65	4190133.15	0.00045	652801.95	4190157.88	0.00045

652800.26	4190182.60	0.00044	652798.56	4190207.32	0.00044
652796.86	4190232.05	0.00044	652795.17	4190256.77	0.00043
652793.47	4190281.50	0.00043	652791.78	4190306.22	0.00043
652790.08	4190330.95	0.00043	652788.39	4190355.67	0.00042
652786.69	4190380.39	0.00042	652784.99	4190405.12	0.00041
652783.30	4190429.84	0.00041	652781.60	4190454.57	0.00040
652779.91	4190479.29	0.00040	652778.21	4190504.01	0.00039
652776.52	4190528.74	0.00038	652774.82	4190553.46	0.00037
652773.12	4190578.19	0.00036	652771.43	4190602.91	0.00035
652769.73	4190627.63	0.00033	652768.04	4190652.36	0.00032
652766.34	4190677.08	0.00030	652764.65	4190701.81	0.00028
652762.95	4190726.53	0.00026	652761.25	4190751.26	0.00024
652759.56	4190775.98	0.00022	652757.86	4190800.70	0.00020
652756.17	4190825.43	0.00018	652754.47	4190850.15	0.00016
652752.77	4190874.88	0.00015	652751.08	4190899.60	0.00014
652749.38	4190924.32	0.00012	652747.69	4190949.05	0.00011
652745.99	4190973.77	0.00011	652744.30	4190998.50	0.00010
652742.60	4191023.22	0.00009	652740.90	4191047.95	0.00009
652739.21	4191072.67	0.00008	652737.51	4191097.39	0.00008
652735.82	4191122.12	0.00007	652734.12	4191146.84	0.00007
652732.43	4191171.57	0.00006	652755.51	4191197.10	0.00006
652780.28	4191197.91	0.00006	652805.06	4191198.72	0.00005
652829.84	4191199.53	0.00005	652854.61	4191200.34	0.00005
652879.39	4191201.16	0.00005	652904.17	4191201.97	0.00005
652928.94	4191202.78	0.00004	652953.72	4191203.59	0.00004
652978.50	4191204.40	0.00004	653003.27	4191205.21	0.00004
653029.78	4191181.33	0.00004	653031.51	4191156.64	0.00004
653033.24	4191131.95	0.00005	653034.97	4191107.25	0.00005

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0002465 , L0002466 , L0002467 , L0002468 , L0002469 ,
L0002470 , L0002471 , L0002472 , L0002473 , L0002474 , L0002475 , L0002476 , L0002477 ,
L0002478 , L0002479 , L0002480 , L0002481 , L0002482 , L0002483 , L0002484 , L0002485 ,
L0002486 , L0002487 , L0002488 , L0002489 , L0002490 , L0002491 , L0002492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00005	653038.43	4191057.87	0.00005
653040.16	4191033.18	0.00005	653041.89	4191008.49	0.00006
653043.62	4190983.80	0.00006	653045.35	4190959.11	0.00006
653047.08	4190934.42	0.00007	653048.81	4190909.72	0.00007
653050.54	4190885.03	0.00008	653052.27	4190860.34	0.00008
653054.00	4190835.65	0.00009	653055.73	4190810.96	0.00010
653057.46	4190786.27	0.00011	653059.19	4190761.58	0.00012
653060.92	4190736.88	0.00014	653062.65	4190712.19	0.00016
653064.39	4190687.50	0.00019	653066.12	4190662.81	0.00024
653067.85	4190638.12	0.00032	653069.58	4190613.43	0.00044
653071.31	4190588.74	0.00058	653073.04	4190564.04	0.00073
653074.77	4190539.35	0.00086	653076.50	4190514.66	0.00097
653078.23	4190489.97	0.00105	653079.96	4190465.28	0.00111
653081.69	4190440.59	0.00116	653083.42	4190415.90	0.00119
653085.15	4190391.21	0.00122	653086.88	4190366.51	0.00124

653088.61	4190341.82	0.00126	653090.34	4190317.13	0.00128
653092.07	4190292.44	0.00129	653093.80	4190267.75	0.00130
653095.53	4190243.06	0.00131	653097.26	4190218.37	0.00132
653098.99	4190193.67	0.00132	653100.72	4190168.98	0.00133
653102.45	4190144.29	0.00134	653104.18	4190119.60	0.00134
653105.91	4190094.91	0.00134	653107.64	4190070.22	0.00135
653109.37	4190045.53	0.00135	653111.10	4190020.83	0.00136
653112.83	4189996.14	0.00136	653114.56	4189971.45	0.00136
653116.29	4189946.76	0.00136	653118.02	4189922.07	0.00137
653119.75	4189897.38	0.00137	653121.48	4189872.69	0.00137
653123.21	4189848.00	0.00137	653124.94	4189823.30	0.00137
653126.67	4189798.61	0.00137	653128.40	4189773.92	0.00138
653130.13	4189749.23	0.00138	653131.86	4189724.54	0.00138
653133.60	4189699.85	0.00138	653135.33	4189675.16	0.00138
653137.06	4189650.46	0.00138	653138.79	4189625.77	0.00138
653140.52	4189601.08	0.00138	653142.25	4189576.39	0.00138
653143.98	4189551.70	0.00138	653145.71	4189527.01	0.00138
653147.44	4189502.32	0.00138	653149.17	4189477.62	0.00138
653150.90	4189452.93	0.00138	653152.63	4189428.24	0.00138
653154.36	4189403.55	0.00138	653156.09	4189378.86	0.00138
653157.82	4189354.17	0.00138	653159.55	4189329.48	0.00138
653161.28	4189304.79	0.00138	653163.01	4189280.09	0.00138
653164.74	4189255.40	0.00138	653166.47	4189230.71	0.00138
653191.80	4189205.78	0.00117	653215.40	4189205.54	0.00101
653239.00	4189205.29	0.00089	653264.20	4189181.01	0.00080

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0002465 , L0002466 , L0002467 , L0002468 , L0002469 ,
L0002470 , L0002471 , L0002472 , L0002473 , L0002474 , L0002475 , L0002476 , L0002477 ,
L0002478 , L0002479 , L0002480 , L0002481 , L0002482 , L0002483 , L0002484 , L0002485 ,
L0002486 , L0002487 , L0002488 , L0002489 , L0002490 , L0002491 , L0002492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00080	653267.41	4189132.92	0.00080
653269.01	4189108.87	0.00080	653270.61	4189084.83	0.00080
653272.22	4189060.78	0.00080	653273.82	4189036.74	0.00080
653275.42	4189012.69	0.00080	653277.03	4188988.65	0.00079
653278.63	4188964.60	0.00079	653280.23	4188940.56	0.00079
653281.84	4188916.51	0.00079	653283.44	4188892.47	0.00079
653285.04	4188868.42	0.00078	653286.64	4188844.38	0.00078
653288.25	4188820.33	0.00078	653275.01	4188771.96	0.00083
653276.23	4188748.61	0.00083	653277.44	4188725.25	0.00082
653255.06	4188705.54	0.00093	653218.56	4188697.26	0.00118
653206.90	4188672.36	0.00129	653208.62	4188647.70	0.00128
653210.34	4188623.04	0.00126	653212.06	4188598.38	0.00122
653213.78	4188573.71	0.00116	653215.50	4188549.05	0.00107
653217.22	4188524.39	0.00096	653218.94	4188499.73	0.00083
653220.66	4188475.07	0.00070	653222.38	4188450.41	0.00058
653224.10	4188425.75	0.00049	653225.82	4188401.09	0.00041
653227.54	4188376.43	0.00034	653229.27	4188351.76	0.00029
653230.99	4188327.10	0.00025	653232.71	4188302.44	0.00022
653234.43	4188277.78	0.00020	653236.15	4188253.12	0.00018

653237.87	4188228.46	0.00016	653239.59	4188203.80	0.00015
653241.31	4188179.14	0.00013	653243.03	4188154.48	0.00012
653244.75	4188129.82	0.00011	653246.47	4188105.15	0.00011
653248.19	4188080.49	0.00010	653249.91	4188055.83	0.00009
653251.63	4188031.17	0.00009	653232.18	4188006.27	0.00008
653211.02	4188006.03	0.00008	653189.85	4188005.78	0.00008
653157.49	4188039.24	0.00008	653156.51	4188063.20	0.00008
653155.54	4188087.17	0.00009	653114.67	4188088.58	0.00008
653092.77	4188087.94	0.00008	653033.89	4188123.95	0.00008
653032.91	4188142.11	0.00009	653007.61	4188160.16	0.00009
652983.28	4188160.04	0.00009	652958.95	4188159.91	0.00008
653604.00	4191168.00	0.00004	653588.00	4190933.00	0.00005
653594.00	4189999.00	0.00024	653476.00	4189883.00	0.00034
653354.00	4189808.00	0.00048	653542.00	4189703.00	0.00031
653628.00	4189498.00	0.00028	653633.00	4189382.00	0.00028
653629.00	4189120.00	0.00029	653407.00	4188788.00	0.00050
653666.00	4188604.00	0.00024	653683.00	4188423.00	0.00019
653572.00	4188259.00	0.00017	653620.00	4187985.00	0.00010
653337.00	4187981.00	0.00009	652989.00	4188122.00	0.00008
651751.00	4188075.00	0.00003	651729.00	4188986.00	0.00005
651726.00	4189755.00	0.00008	652233.00	4190966.00	0.00010

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE5 ***
INCLUDING SOURCE(S): L0002465 , L0002466 , L0002467 , L0002468 , L0002469 ,
L0002470 , L0002471 , L0002472 , L0002473 , L0002474 , L0002475 , L0002476 , L0002477 ,
L0002478 , L0002479 , L0002480 , L0002481 , L0002482 , L0002483 , L0002484 , L0002485 ,
L0002486 , L0002487 , L0002488 , L0002489 , L0002490 , L0002491 , L0002492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00008	652658.00	4191223.00	0.00006
653409.00	4191269.00	0.00004			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE5 ***
INCLUDING SOURCE(S): L0012465 , L0012466 , L0012467 , L0012468 , L0012469 ,
L0012470 , L0012471 , L0012472 , L0012473 , L0012474 , L0012475 , L0012476 , L0012477 ,
L0012478 , L0012479 , L0012480 , L0012481 , L0012482 , L0012483 , L0012484 , L0012485 ,
L0012486 , L0012487 , L0012488 , L0012489 , L0012490 , L0012491 , L0012492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00027	652891.80	4188749.57	0.00048
652898.61	4188748.60	0.00049	652730.73	4191196.29	0.00010
653028.05	4191206.02	0.00008	653168.20	4189206.02	0.00087
653262.60	4189205.05	0.00085	653289.85	4188796.29	0.00086
653273.79	4188795.32	0.00087	653278.66	4188701.89	0.00086
653231.46	4188709.19	0.00087	653231.94	4188697.51	0.00087
653205.18	4188697.02	0.00086	653253.35	4188006.51	0.00025
653168.68	4188005.54	0.00023	653158.46	4188015.27	0.00023
653154.57	4188111.13	0.00025	653138.03	4188112.11	0.00025

653136.57	4188089.23	0.00024	653070.87	4188087.29	0.00024
653060.65	4188096.53	0.00024	653048.49	4188105.78	0.00025
653034.86	4188105.78	0.00025	653031.94	4188160.28	0.00026
652932.84	4188184.36	0.00028	652931.05	4188208.94	0.00029
652929.27	4188233.51	0.00029	652927.48	4188258.09	0.00030
652925.70	4188282.66	0.00031	652923.92	4188307.24	0.00031
652922.13	4188331.81	0.00032	652920.35	4188356.38	0.00032
652918.56	4188380.96	0.00033	652916.78	4188405.53	0.00034
652914.99	4188430.11	0.00035	652913.21	4188454.68	0.00036
652911.43	4188479.25	0.00036	652909.64	4188503.83	0.00037
652907.86	4188528.40	0.00038	652906.07	4188552.98	0.00039
652904.29	4188577.55	0.00040	652902.51	4188602.13	0.00042
652900.72	4188626.70	0.00043	652898.94	4188651.27	0.00044
652897.15	4188675.85	0.00045	652895.37	4188700.42	0.00046
652893.58	4188725.00	0.00047	652896.91	4188773.32	0.00050
652895.22	4188798.05	0.00051	652893.52	4188822.77	0.00051
652891.83	4188847.50	0.00052	652890.13	4188872.22	0.00052
652888.44	4188896.94	0.00053	652886.74	4188921.67	0.00053
652885.04	4188946.39	0.00054	652883.35	4188971.12	0.00054
652881.65	4188995.84	0.00054	652879.96	4189020.57	0.00054
652878.26	4189045.29	0.00055	652876.57	4189070.01	0.00055
652874.87	4189094.74	0.00055	652873.17	4189119.46	0.00055
652871.48	4189144.19	0.00055	652869.78	4189168.91	0.00055
652868.09	4189193.63	0.00055	652866.39	4189218.36	0.00055
652864.69	4189243.08	0.00055	652863.00	4189267.81	0.00055
652861.30	4189292.53	0.00055	652859.61	4189317.26	0.00055
652857.91	4189341.98	0.00055	652856.22	4189366.70	0.00055
652854.52	4189391.43	0.00055	652852.82	4189416.15	0.00055
652851.13	4189440.88	0.00055	652849.43	4189465.60	0.00055
652847.74	4189490.32	0.00054	652846.04	4189515.05	0.00054
652844.35	4189539.77	0.00054	652842.65	4189564.50	0.00054

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE5 ***
INCLUDING SOURCE(S): L0012465 , L0012466 , L0012467 , L0012468 , L0012469 ,
L0012470 , L0012471 , L0012472 , L0012473 , L0012474 , L0012475 , L0012476 , L0012477 ,
L0012478 , L0012479 , L0012480 , L0012481 , L0012482 , L0012483 , L0012484 , L0012485 ,
L0012486 , L0012487 , L0012488 , L0012489 , L0012490 , L0012491 , L0012492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00054	652839.26	4189613.94	0.00054
652837.56	4189638.67	0.00053	652835.87	4189663.39	0.00053
652834.17	4189688.12	0.00053	652832.48	4189712.84	0.00053
652830.78	4189737.57	0.00052	652829.08	4189762.29	0.00052
652827.39	4189787.01	0.00052	652825.69	4189811.74	0.00051
652824.00	4189836.46	0.00051	652822.30	4189861.19	0.00051
652820.61	4189885.91	0.00050	652818.91	4189910.63	0.00050
652817.21	4189935.36	0.00049	652815.52	4189960.08	0.00049
652813.82	4189984.81	0.00049	652812.13	4190009.53	0.00048
652810.43	4190034.26	0.00048	652808.73	4190058.98	0.00047
652807.04	4190083.70	0.00047	652805.34	4190108.43	0.00046
652803.65	4190133.15	0.00045	652801.95	4190157.88	0.00045

652800.26	4190182.60	0.00044	652798.56	4190207.32	0.00043
652796.86	4190232.05	0.00043	652795.17	4190256.77	0.00042
652793.47	4190281.50	0.00041	652791.78	4190306.22	0.00041
652790.08	4190330.95	0.00040	652788.39	4190355.67	0.00039
652786.69	4190380.39	0.00038	652784.99	4190405.12	0.00038
652783.30	4190429.84	0.00037	652781.60	4190454.57	0.00036
652779.91	4190479.29	0.00035	652778.21	4190504.01	0.00035
652776.52	4190528.74	0.00034	652774.82	4190553.46	0.00033
652773.12	4190578.19	0.00032	652771.43	4190602.91	0.00031
652769.73	4190627.63	0.00030	652768.04	4190652.36	0.00029
652766.34	4190677.08	0.00028	652764.65	4190701.81	0.00026
652762.95	4190726.53	0.00025	652761.25	4190751.26	0.00024
652759.56	4190775.98	0.00022	652757.86	4190800.70	0.00021
652756.17	4190825.43	0.00019	652754.47	4190850.15	0.00018
652752.77	4190874.88	0.00017	652751.08	4190899.60	0.00016
652749.38	4190924.32	0.00015	652747.69	4190949.05	0.00014
652745.99	4190973.77	0.00014	652744.30	4190998.50	0.00013
652742.60	4191023.22	0.00013	652740.90	4191047.95	0.00012
652739.21	4191072.67	0.00012	652737.51	4191097.39	0.00011
652735.82	4191122.12	0.00011	652734.12	4191146.84	0.00011
652732.43	4191171.57	0.00010	652755.51	4191197.10	0.00010
652780.28	4191197.91	0.00009	652805.06	4191198.72	0.00009
652829.84	4191199.53	0.00009	652854.61	4191200.34	0.00008
652879.39	4191201.16	0.00008	652904.17	4191201.97	0.00008
652928.94	4191202.78	0.00008	652953.72	4191203.59	0.00008
652978.50	4191204.40	0.00008	653003.27	4191205.21	0.00008
653029.78	4191181.33	0.00008	653031.51	4191156.64	0.00008
653033.24	4191131.95	0.00009	653034.97	4191107.25	0.00009

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE5 ***
INCLUDING SOURCE(S): L0012465 , L0012466 , L0012467 , L0012468 , L0012469 ,
L0012470 , L0012471 , L0012472 , L0012473 , L0012474 , L0012475 , L0012476 , L0012477 ,
L0012478 , L0012479 , L0012480 , L0012481 , L0012482 , L0012483 , L0012484 , L0012485 ,
L0012486 , L0012487 , L0012488 , L0012489 , L0012490 , L0012491 , L0012492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00009	653038.43	4191057.87	0.00009
653040.16	4191033.18	0.00009	653041.89	4191008.49	0.00010
653043.62	4190983.80	0.00010	653045.35	4190959.11	0.00010
653047.08	4190934.42	0.00010	653048.81	4190909.72	0.00010
653050.54	4190885.03	0.00011	653052.27	4190860.34	0.00011
653054.00	4190835.65	0.00011	653055.73	4190810.96	0.00012
653057.46	4190786.27	0.00012	653059.19	4190761.58	0.00012
653060.92	4190736.88	0.00013	653062.65	4190712.19	0.00014
653064.39	4190687.50	0.00015	653066.12	4190662.81	0.00017
653067.85	4190638.12	0.00021	653069.58	4190613.43	0.00026
653071.31	4190588.74	0.00032	653073.04	4190564.04	0.00038
653074.77	4190539.35	0.00044	653076.50	4190514.66	0.00048
653078.23	4190489.97	0.00052	653079.96	4190465.28	0.00055
653081.69	4190440.59	0.00058	653083.42	4190415.90	0.00060
653085.15	4190391.21	0.00062	653086.88	4190366.51	0.00064
653088.61	4190341.82	0.00065	653090.34	4190317.13	0.00067

653092.07	4190292.44	0.00068	653093.80	4190267.75	0.00069
653095.53	4190243.06	0.00071	653097.26	4190218.37	0.00072
653098.99	4190193.67	0.00073	653100.72	4190168.98	0.00074
653102.45	4190144.29	0.00074	653104.18	4190119.60	0.00075
653105.91	4190094.91	0.00076	653107.64	4190070.22	0.00077
653109.37	4190045.53	0.00077	653111.10	4190020.83	0.00078
653112.83	4189996.14	0.00079	653114.56	4189971.45	0.00079
653116.29	4189946.76	0.00080	653118.02	4189922.07	0.00080
653119.75	4189897.38	0.00081	653121.48	4189872.69	0.00081
653123.21	4189848.00	0.00081	653124.94	4189823.30	0.00082
653126.67	4189798.61	0.00082	653128.40	4189773.92	0.00083
653130.13	4189749.23	0.00083	653131.86	4189724.54	0.00083
653133.60	4189699.85	0.00084	653135.33	4189675.16	0.00084
653137.06	4189650.46	0.00084	653138.79	4189625.77	0.00085
653140.52	4189601.08	0.00085	653142.25	4189576.39	0.00085
653143.98	4189551.70	0.00085	653145.71	4189527.01	0.00085
653147.44	4189502.32	0.00086	653149.17	4189477.62	0.00086
653150.90	4189452.93	0.00086	653152.63	4189428.24	0.00086
653154.36	4189403.55	0.00086	653156.09	4189378.86	0.00087
653157.82	4189354.17	0.00087	653159.55	4189329.48	0.00087
653161.28	4189304.79	0.00087	653163.01	4189280.09	0.00087
653164.74	4189255.40	0.00087	653166.47	4189230.71	0.00087
653191.80	4189205.78	0.00088	653215.40	4189205.54	0.00087
653239.00	4189205.29	0.00087	653264.20	4189181.01	0.00085

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE5 ***
INCLUDING SOURCE(S): L0012465 , L0012466 , L0012467 , L0012468 , L0012469 ,
L0012470 , L0012471 , L0012472 , L0012473 , L0012474 , L0012475 , L0012476 , L0012477 ,
L0012478 , L0012479 , L0012480 , L0012481 , L0012482 , L0012483 , L0012484 , L0012485 ,
L0012486 , L0012487 , L0012488 , L0012489 , L0012490 , L0012491 , L0012492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00086	653267.41	4189132.92	0.00086
653269.01	4189108.87	0.00086	653270.61	4189084.83	0.00086
653272.22	4189060.78	0.00086	653273.82	4189036.74	0.00086
653275.42	4189012.69	0.00086	653277.03	4188988.65	0.00086
653278.63	4188964.60	0.00086	653280.23	4188940.56	0.00086
653281.84	4188916.51	0.00086	653283.44	4188892.47	0.00086
653285.04	4188868.42	0.00086	653286.64	4188844.38	0.00086
653288.25	4188820.33	0.00086	653275.01	4188771.96	0.00087
653276.23	4188748.61	0.00086	653277.44	4188725.25	0.00086
653255.06	4188705.54	0.00087	653218.56	4188697.26	0.00087
653206.90	4188672.36	0.00086	653208.62	4188647.70	0.00086
653210.34	4188623.04	0.00086	653212.06	4188598.38	0.00085
653213.78	4188573.71	0.00083	653215.50	4188549.05	0.00080
653217.22	4188524.39	0.00075	653218.94	4188499.73	0.00070
653220.66	4188475.07	0.00064	653222.38	4188450.41	0.00059
653224.10	4188425.75	0.00054	653225.82	4188401.09	0.00050
653227.54	4188376.43	0.00047	653229.27	4188351.76	0.00044
653230.99	4188327.10	0.00041	653232.71	4188302.44	0.00039
653234.43	4188277.78	0.00037	653236.15	4188253.12	0.00036

653237.87	4188228.46	0.00034	653239.59	4188203.80	0.00033
653241.31	4188179.14	0.00031	653243.03	4188154.48	0.00030
653244.75	4188129.82	0.00029	653246.47	4188105.15	0.00028
653248.19	4188080.49	0.00027	653249.91	4188055.83	0.00026
653251.63	4188031.17	0.00025	653232.18	4188006.27	0.00024
653211.02	4188006.03	0.00024	653189.85	4188005.78	0.00023
653157.49	4188039.24	0.00023	653156.51	4188063.20	0.00024
653155.54	4188087.17	0.00025	653114.67	4188088.58	0.00024
653092.77	4188087.94	0.00024	653033.89	4188123.95	0.00025
653032.91	4188142.11	0.00026	653007.61	4188160.16	0.00027
652983.28	4188160.04	0.00027	652958.95	4188159.91	0.00027
653604.00	4191168.00	0.00007	653588.00	4190933.00	0.00009
653594.00	4189999.00	0.00047	653476.00	4189883.00	0.00057
653354.00	4189808.00	0.00068	653542.00	4189703.00	0.00058
653628.00	4189498.00	0.00056	653633.00	4189382.00	0.00058
653629.00	4189120.00	0.00061	653407.00	4188788.00	0.00078
653666.00	4188604.00	0.00056	653683.00	4188423.00	0.00047
653572.00	4188259.00	0.00040	653620.00	4187985.00	0.00028
653337.00	4187981.00	0.00026	652989.00	4188122.00	0.00026
651751.00	4188075.00	0.00013	651729.00	4188986.00	0.00018
651726.00	4189755.00	0.00022	652233.00	4190966.00	0.00019

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE5 ***
INCLUDING SOURCE(S): L0012465 , L0012466 , L0012467 , L0012468 , L0012469 ,
L0012470 , L0012471 , L0012472 , L0012473 , L0012474 , L0012475 , L0012476 , L0012477 ,
L0012478 , L0012479 , L0012480 , L0012481 , L0012482 , L0012483 , L0012484 , L0012485 ,
L0012486 , L0012487 , L0012488 , L0012489 , L0012490 , L0012491 , L0012492 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00015	652658.00	4191223.00	0.00011
653409.00	4191269.00	0.00006			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00128	652891.80	4188749.57	-0.00377
652898.61	4188748.60	-0.00384	652730.73	4191196.29	-0.00012
653028.05	4191206.02	-0.00010	653168.20	4189206.02	-0.00405
653262.60	4189205.05	-0.00310	653289.85	4188796.29	-0.02879
653273.79	4188795.32	-0.03339	653278.66	4188701.89	-0.01358
653231.46	4188709.19	-0.01366	653231.94	4188697.51	-0.01191
653205.18	4188697.02	-0.01064	653253.35	4188006.51	-0.00089
653168.68	4188005.54	-0.00090	653158.46	4188015.27	-0.00093
653154.57	4188111.13	-0.00112	653138.03	4188112.11	-0.00115
653136.57	4188089.23	-0.00110	653070.87	4188087.29	-0.00116
653060.65	4188096.53	-0.00118	653048.49	4188105.78	-0.00120
653034.86	4188105.78	-0.00120	653031.94	4188160.28	-0.00133

652932.84	4188184.36	-0.00134	652931.05	4188208.94	-0.00140
652929.27	4188233.51	-0.00146	652927.48	4188258.09	-0.00152
652925.70	4188282.66	-0.00158	652923.92	4188307.24	-0.00165
652922.13	4188331.81	-0.00171	652920.35	4188356.38	-0.00177
652918.56	4188380.96	-0.00184	652916.78	4188405.53	-0.00190
652914.99	4188430.11	-0.00197	652913.21	4188454.68	-0.00204
652911.43	4188479.25	-0.00212	652909.64	4188503.83	-0.00221
652907.86	4188528.40	-0.00231	652906.07	4188552.98	-0.00242
652904.29	4188577.55	-0.00255	652902.51	4188602.13	-0.00269
652900.72	4188626.70	-0.00285	652898.94	4188651.27	-0.00303
652897.15	4188675.85	-0.00321	652895.37	4188700.42	-0.00340
652893.58	4188725.00	-0.00358	652896.91	4188773.32	-0.00406
652895.22	4188798.05	-0.00429	652893.52	4188822.77	-0.00453
652891.83	4188847.50	-0.00476	652890.13	4188872.22	-0.00499
652888.44	4188896.94	-0.00519	652886.74	4188921.67	-0.00535
652885.04	4188946.39	-0.00546	652883.35	4188971.12	-0.00552
652881.65	4188995.84	-0.00556	652879.96	4189020.57	-0.00557
652878.26	4189045.29	-0.00556	652876.57	4189070.01	-0.00551
652874.87	4189094.74	-0.00539	652873.17	4189119.46	-0.00523
652871.48	4189144.19	-0.00501	652869.78	4189168.91	-0.00476
652868.09	4189193.63	-0.00448	652866.39	4189218.36	-0.00418
652864.69	4189243.08	-0.00390	652863.00	4189267.81	-0.00361
652861.30	4189292.53	-0.00333	652859.61	4189317.26	-0.00306
652857.91	4189341.98	-0.00279	652856.22	4189366.70	-0.00254
652854.52	4189391.43	-0.00230	652852.82	4189416.15	-0.00208
652851.13	4189440.88	-0.00189	652849.43	4189465.60	-0.00172
652847.74	4189490.32	-0.00157	652846.04	4189515.05	-0.00144
652844.35	4189539.77	-0.00132	652842.65	4189564.50	-0.00122

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.00112	652839.26	4189613.94	-0.00104
652837.56	4189638.67	-0.00097	652835.87	4189663.39	-0.00091
652834.17	4189688.12	-0.00086	652832.48	4189712.84	-0.00081
652830.78	4189737.57	-0.00077	652829.08	4189762.29	-0.00073
652827.39	4189787.01	-0.00069	652825.69	4189811.74	-0.00066
652824.00	4189836.46	-0.00063	652822.30	4189861.19	-0.00060
652820.61	4189885.91	-0.00057	652818.91	4189910.63	-0.00055
652817.21	4189935.36	-0.00052	652815.52	4189960.08	-0.00050
652813.82	4189984.81	-0.00048	652812.13	4190009.53	-0.00046
652810.43	4190034.26	-0.00044	652808.73	4190058.98	-0.00043
652807.04	4190083.70	-0.00041	652805.34	4190108.43	-0.00039
652803.65	4190133.15	-0.00038	652801.95	4190157.88	-0.00037
652800.26	4190182.60	-0.00035	652798.56	4190207.32	-0.00034
652796.86	4190232.05	-0.00033	652795.17	4190256.77	-0.00032
652793.47	4190281.50	-0.00031	652791.78	4190306.22	-0.00030
652790.08	4190330.95	-0.00029	652788.39	4190355.67	-0.00028
652786.69	4190380.39	-0.00027	652784.99	4190405.12	-0.00026
652783.30	4190429.84	-0.00025	652781.60	4190454.57	-0.00025

652779.91	4190479.29	-0.00024	652778.21	4190504.01	-0.00023
652776.52	4190528.74	-0.00023	652774.82	4190553.46	-0.00022
652773.12	4190578.19	-0.00021	652771.43	4190602.91	-0.00021
652769.73	4190627.63	-0.00020	652768.04	4190652.36	-0.00020
652766.34	4190677.08	-0.00019	652764.65	4190701.81	-0.00019
652762.95	4190726.53	-0.00018	652761.25	4190751.26	-0.00018
652759.56	4190775.98	-0.00017	652757.86	4190800.70	-0.00017
652756.17	4190825.43	-0.00017	652754.47	4190850.15	-0.00016
652752.77	4190874.88	-0.00016	652751.08	4190899.60	-0.00015
652749.38	4190924.32	-0.00015	652747.69	4190949.05	-0.00015
652745.99	4190973.77	-0.00014	652744.30	4190998.50	-0.00014
652742.60	4191023.22	-0.00014	652740.90	4191047.95	-0.00013
652739.21	4191072.67	-0.00013	652737.51	4191097.39	-0.00013
652735.82	4191122.12	-0.00013	652734.12	4191146.84	-0.00012
652732.43	4191171.57	-0.00012	652755.51	4191197.10	-0.00012
652780.28	4191197.91	-0.00011	652805.06	4191198.72	-0.00011
652829.84	4191199.53	-0.00011	652854.61	4191200.34	-0.00010
652879.39	4191201.16	-0.00010	652904.17	4191201.97	-0.00010
652928.94	4191202.78	-0.00010	652953.72	4191203.59	-0.00010
652978.50	4191204.40	-0.00010	653003.27	4191205.21	-0.00010
653029.78	4191181.33	-0.00010	653031.51	4191156.64	-0.00011
653033.24	4191131.95	-0.00011	653034.97	4191107.25	-0.00011

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.00011	653038.43	4191057.87	-0.00011
653040.16	4191033.18	-0.00012	653041.89	4191008.49	-0.00012
653043.62	4190983.80	-0.00012	653045.35	4190959.11	-0.00012
653047.08	4190934.42	-0.00013	653048.81	4190909.72	-0.00013
653050.54	4190885.03	-0.00013	653052.27	4190860.34	-0.00013
653054.00	4190835.65	-0.00014	653055.73	4190810.96	-0.00014
653057.46	4190786.27	-0.00014	653059.19	4190761.58	-0.00015
653060.92	4190736.88	-0.00015	653062.65	4190712.19	-0.00015
653064.39	4190687.50	-0.00016	653066.12	4190662.81	-0.00016
653067.85	4190638.12	-0.00016	653069.58	4190613.43	-0.00017
653071.31	4190588.74	-0.00017	653073.04	4190564.04	-0.00018
653074.77	4190539.35	-0.00018	653076.50	4190514.66	-0.00019
653078.23	4190489.97	-0.00019	653079.96	4190465.28	-0.00020
653081.69	4190440.59	-0.00020	653083.42	4190415.90	-0.00021
653085.15	4190391.21	-0.00021	653086.88	4190366.51	-0.00022
653088.61	4190341.82	-0.00022	653090.34	4190317.13	-0.00023
653092.07	4190292.44	-0.00024	653093.80	4190267.75	-0.00025
653095.53	4190243.06	-0.00025	653097.26	4190218.37	-0.00026
653098.99	4190193.67	-0.00027	653100.72	4190168.98	-0.00028
653102.45	4190144.29	-0.00029	653104.18	4190119.60	-0.00030
653105.91	4190094.91	-0.00031	653107.64	4190070.22	-0.00032
653109.37	4190045.53	-0.00033	653111.10	4190020.83	-0.00035
653112.83	4189996.14	-0.00036	653114.56	4189971.45	-0.00037
653116.29	4189946.76	-0.00039	653118.02	4189922.07	-0.00040

653119.75	4189897.38	-0.00042	653121.48	4189872.69	-0.00044
653123.21	4189848.00	-0.00046	653124.94	4189823.30	-0.00048
653126.67	4189798.61	-0.00051	653128.40	4189773.92	-0.00053
653130.13	4189749.23	-0.00056	653131.86	4189724.54	-0.00059
653133.60	4189699.85	-0.00062	653135.33	4189675.16	-0.00066
653137.06	4189650.46	-0.00070	653138.79	4189625.77	-0.00074
653140.52	4189601.08	-0.00079	653142.25	4189576.39	-0.00084
653143.98	4189551.70	-0.00090	653145.71	4189527.01	-0.00096
653147.44	4189502.32	-0.00103	653149.17	4189477.62	-0.00112
653150.90	4189452.93	-0.00121	653152.63	4189428.24	-0.00132
653154.36	4189403.55	-0.00144	653156.09	4189378.86	-0.00159
653157.82	4189354.17	-0.00176	653159.55	4189329.48	-0.00196
653161.28	4189304.79	-0.00221	653163.01	4189280.09	-0.00251
653164.74	4189255.40	-0.00289	653166.47	4189230.71	-0.00339
653191.80	4189205.78	-0.00371	653215.40	4189205.54	-0.00348
653239.00	4189205.29	-0.00328	653264.20	4189181.01	-0.00363

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.00446	653267.41	4189132.92	-0.00598
653269.01	4189108.87	-0.00886	653270.61	4189084.83	-0.01317
653272.22	4189060.78	-0.01782	653273.82	4189036.74	-0.02181
653275.42	4189012.69	-0.02486	653277.03	4188988.65	-0.02711
653278.63	4188964.60	-0.02875	653280.23	4188940.56	-0.02993
653281.84	4188916.51	-0.03075	653283.44	4188892.47	-0.03129
653285.04	4188868.42	-0.03156	653286.64	4188844.38	-0.03147
653288.25	4188820.33	-0.03075	653275.01	4188771.96	-0.02876
653276.23	4188748.61	-0.02271	653277.44	4188725.25	-0.01743
653255.06	4188705.54	-0.01402	653218.56	4188697.26	-0.01123
653206.90	4188672.36	-0.00858	653208.62	4188647.70	-0.00713
653210.34	4188623.04	-0.00606	653212.06	4188598.38	-0.00524
653213.78	4188573.71	-0.00459	653215.50	4188549.05	-0.00407
653217.22	4188524.39	-0.00363	653218.94	4188499.73	-0.00327
653220.66	4188475.07	-0.00297	653222.38	4188450.41	-0.00271
653224.10	4188425.75	-0.00248	653225.82	4188401.09	-0.00228
653227.54	4188376.43	-0.00211	653229.27	4188351.76	-0.00196
653230.99	4188327.10	-0.00182	653232.71	4188302.44	-0.00170
653234.43	4188277.78	-0.00159	653236.15	4188253.12	-0.00150
653237.87	4188228.46	-0.00141	653239.59	4188203.80	-0.00133
653241.31	4188179.14	-0.00126	653243.03	4188154.48	-0.00119
653244.75	4188129.82	-0.00113	653246.47	4188105.15	-0.00107
653248.19	4188080.49	-0.00102	653249.91	4188055.83	-0.00097
653251.63	4188031.17	-0.00093	653232.18	4188006.27	-0.00088
653211.02	4188006.03	-0.00088	653189.85	4188005.78	-0.00089
653157.49	4188039.24	-0.00097	653156.51	4188063.20	-0.00102
653155.54	4188087.17	-0.00107	653114.67	4188088.58	-0.00112
653092.77	4188087.94	-0.00114	653033.89	4188123.95	-0.00124
653032.91	4188142.11	-0.00129	653007.61	4188160.16	-0.00132
652983.28	4188160.04	-0.00131	652958.95	4188159.91	-0.00130

653604.00	4191168.00	-0.00010	653588.00	4190933.00	-0.00012
653594.00	4189999.00	-0.00028	653476.00	4189883.00	-0.00036
653354.00	4189808.00	-0.00046	653542.00	4189703.00	-0.00047
653628.00	4189498.00	-0.00065	653633.00	4189382.00	-0.00090
653629.00	4189120.00	-0.00284	653407.00	4188788.00	-0.01259
653666.00	4188604.00	-0.00337	653683.00	4188423.00	-0.00224
653572.00	4188259.00	-0.00171	653620.00	4187985.00	-0.00102
653337.00	4187981.00	-0.00088	652989.00	4188122.00	-0.00122
651751.00	4188075.00	-0.00034	651729.00	4188986.00	-0.00053
651726.00	4189755.00	-0.00049	652233.00	4190966.00	-0.00016

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE6 ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00014	652658.00	4191223.00	-0.00012
653409.00	4191269.00	-0.00009			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0002559 , L0002560 , L0002561 , L0002562 , L0002563 ,
L0002564 , L0002565 , L0002566 , L0002567 , L0002568 , L0002569 , L0002570 , L0002571 ,
L0002572 , L0002573 , L0002574 , L0002575 , L0002576 , L0002577 , L0002578 , L0002579 ,
L0002580 , L0002581 , L0002582 , L0002583 , L0002584 , L0002585 , L0002586 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00156	652891.80	4188749.57	0.00394
652898.61	4188748.60	0.00401	652730.73	4191196.29	0.00035
653028.05	4191206.02	0.00029	653168.20	4189206.02	0.00782
653262.60	4189205.05	0.01114	653289.85	4188796.29	0.01103
653273.79	4188795.32	0.01199	653278.66	4188701.89	0.01189
653231.46	4188709.19	0.00796	653231.94	4188697.51	0.00729
653205.18	4188697.02	0.00689	653253.35	4188006.51	0.00119
653168.68	4188005.54	0.00119	653158.46	4188015.27	0.00122
653154.57	4188111.13	0.00147	653138.03	4188112.11	0.00149
653136.57	4188089.23	0.00142	653070.87	4188087.29	0.00146
653060.65	4188096.53	0.00149	653048.49	4188105.78	0.00152
653034.86	4188105.78	0.00152	653031.94	4188160.28	0.00168
652932.84	4188184.36	0.00162	652931.05	4188208.94	0.00168
652929.27	4188233.51	0.00174	652927.48	4188258.09	0.00180
652925.70	4188282.66	0.00187	652923.92	4188307.24	0.00195
652922.13	4188331.81	0.00203	652920.35	4188356.38	0.00212
652918.56	4188380.96	0.00221	652916.78	4188405.53	0.00231
652914.99	4188430.11	0.00241	652913.21	4188454.68	0.00251
652911.43	4188479.25	0.00261	652909.64	4188503.83	0.00272
652907.86	4188528.40	0.00284	652906.07	4188552.98	0.00297
652904.29	4188577.55	0.00310	652902.51	4188602.13	0.00323
652900.72	4188626.70	0.00336	652898.94	4188651.27	0.00349

652897.15	4188675.85	0.00361	652895.37	4188700.42	0.00373
652893.58	4188725.00	0.00384	652896.91	4188773.32	0.00412
652895.22	4188798.05	0.00421	652893.52	4188822.77	0.00429
652891.83	4188847.50	0.00437	652890.13	4188872.22	0.00444
652888.44	4188896.94	0.00449	652886.74	4188921.67	0.00455
652885.04	4188946.39	0.00459	652883.35	4188971.12	0.00463
652881.65	4188995.84	0.00466	652879.96	4189020.57	0.00469
652878.26	4189045.29	0.00471	652876.57	4189070.01	0.00473
652874.87	4189094.74	0.00474	652873.17	4189119.46	0.00475
652871.48	4189144.19	0.00476	652869.78	4189168.91	0.00477
652868.09	4189193.63	0.00477	652866.39	4189218.36	0.00477
652864.69	4189243.08	0.00477	652863.00	4189267.81	0.00477
652861.30	4189292.53	0.00476	652859.61	4189317.26	0.00475
652857.91	4189341.98	0.00474	652856.22	4189366.70	0.00473
652854.52	4189391.43	0.00471	652852.82	4189416.15	0.00470
652851.13	4189440.88	0.00468	652849.43	4189465.60	0.00466
652847.74	4189490.32	0.00463	652846.04	4189515.05	0.00461
652844.35	4189539.77	0.00458	652842.65	4189564.50	0.00455

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0002559 , L0002560 , L0002561 , L0002562 , L0002563 ,
L0002564 , L0002565 , L0002566 , L0002567 , L0002568 , L0002569 , L0002570 , L0002571 ,
L0002572 , L0002573 , L0002574 , L0002575 , L0002576 , L0002577 , L0002578 , L0002579 ,
L0002580 , L0002581 , L0002582 , L0002583 , L0002584 , L0002585 , L0002586 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00451	652839.26	4189613.94	0.00448
652837.56	4189638.67	0.00444	652835.87	4189663.39	0.00440
652834.17	4189688.12	0.00436	652832.48	4189712.84	0.00431
652830.78	4189737.57	0.00426	652829.08	4189762.29	0.00422
652827.39	4189787.01	0.00417	652825.69	4189811.74	0.00411
652824.00	4189836.46	0.00406	652822.30	4189861.19	0.00400
652820.61	4189885.91	0.00394	652818.91	4189910.63	0.00387
652817.21	4189935.36	0.00379	652815.52	4189960.08	0.00371
652813.82	4189984.81	0.00363	652812.13	4190009.53	0.00354
652810.43	4190034.26	0.00344	652808.73	4190058.98	0.00333
652807.04	4190083.70	0.00323	652805.34	4190108.43	0.00312
652803.65	4190133.15	0.00300	652801.95	4190157.88	0.00288
652800.26	4190182.60	0.00275	652798.56	4190207.32	0.00261
652796.86	4190232.05	0.00247	652795.17	4190256.77	0.00232
652793.47	4190281.50	0.00218	652791.78	4190306.22	0.00204
652790.08	4190330.95	0.00190	652788.39	4190355.67	0.00177
652786.69	4190380.39	0.00165	652784.99	4190405.12	0.00153
652783.30	4190429.84	0.00142	652781.60	4190454.57	0.00132
652779.91	4190479.29	0.00123	652778.21	4190504.01	0.00115
652776.52	4190528.74	0.00107	652774.82	4190553.46	0.00101
652773.12	4190578.19	0.00094	652771.43	4190602.91	0.00089
652769.73	4190627.63	0.00084	652768.04	4190652.36	0.00080
652766.34	4190677.08	0.00076	652764.65	4190701.81	0.00072
652762.95	4190726.53	0.00069	652761.25	4190751.26	0.00066
652759.56	4190775.98	0.00063	652757.86	4190800.70	0.00061
652756.17	4190825.43	0.00058	652754.47	4190850.15	0.00056

652752.77	4190874.88	0.00054	652751.08	4190899.60	0.00052
652749.38	4190924.32	0.00050	652747.69	4190949.05	0.00048
652745.99	4190973.77	0.00047	652744.30	4190998.50	0.00045
652742.60	4191023.22	0.00044	652740.90	4191047.95	0.00042
652739.21	4191072.67	0.00041	652737.51	4191097.39	0.00040
652735.82	4191122.12	0.00039	652734.12	4191146.84	0.00037
652732.43	4191171.57	0.00036	652755.51	4191197.10	0.00035
652780.28	4191197.91	0.00034	652805.06	4191198.72	0.00033
652829.84	4191199.53	0.00032	652854.61	4191200.34	0.00031
652879.39	4191201.16	0.00030	652904.17	4191201.97	0.00029
652928.94	4191202.78	0.00029	652953.72	4191203.59	0.00029
652978.50	4191204.40	0.00029	653003.27	4191205.21	0.00029
653029.78	4191181.33	0.00030	653031.51	4191156.64	0.00030
653033.24	4191131.95	0.00031	653034.97	4191107.25	0.00032

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0002559 , L0002560 , L0002561 , L0002562 , L0002563 ,
L0002564 , L0002565 , L0002566 , L0002567 , L0002568 , L0002569 , L0002570 , L0002571 ,
L0002572 , L0002573 , L0002574 , L0002575 , L0002576 , L0002577 , L0002578 , L0002579 ,
L0002580 , L0002581 , L0002582 , L0002583 , L0002584 , L0002585 , L0002586 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00033	653038.43	4191057.87	0.00034
653040.16	4191033.18	0.00035	653041.89	4191008.49	0.00036
653043.62	4190983.80	0.00037	653045.35	4190959.11	0.00038
653047.08	4190934.42	0.00039	653048.81	4190909.72	0.00041
653050.54	4190885.03	0.00042	653052.27	4190860.34	0.00043
653054.00	4190835.65	0.00045	653055.73	4190810.96	0.00046
653057.46	4190786.27	0.00048	653059.19	4190761.58	0.00050
653060.92	4190736.88	0.00052	653062.65	4190712.19	0.00054
653064.39	4190687.50	0.00056	653066.12	4190662.81	0.00059
653067.85	4190638.12	0.00062	653069.58	4190613.43	0.00064
653071.31	4190588.74	0.00068	653073.04	4190564.04	0.00071
653074.77	4190539.35	0.00075	653076.50	4190514.66	0.00079
653078.23	4190489.97	0.00083	653079.96	4190465.28	0.00088
653081.69	4190440.59	0.00094	653083.42	4190415.90	0.00101
653085.15	4190391.21	0.00108	653086.88	4190366.51	0.00116
653088.61	4190341.82	0.00126	653090.34	4190317.13	0.00138
653092.07	4190292.44	0.00152	653093.80	4190267.75	0.00170
653095.53	4190243.06	0.00194	653097.26	4190218.37	0.00228
653098.99	4190193.67	0.00264	653100.72	4190168.98	0.00228
653102.45	4190144.29	0.00264	653104.18	4190119.60	0.00229
653105.91	4190094.91	0.00264	653107.64	4190070.22	0.00437
653109.37	4190045.53	0.00410	653111.10	4190020.83	0.00539
653112.83	4189996.14	0.00486	653114.56	4189971.45	0.00599
653116.29	4189946.76	0.00533	653118.02	4189922.07	0.00639
653119.75	4189897.38	0.00564	653121.48	4189872.69	0.00667
653123.21	4189848.00	0.00586	653124.94	4189823.30	0.00687
653126.67	4189798.61	0.00602	653128.40	4189773.92	0.00702
653130.13	4189749.23	0.00615	653131.86	4189724.54	0.00715
653133.60	4189699.85	0.00623	653135.33	4189675.16	0.00723

653137.06	4189650.46	0.00628	653138.79	4189625.77	0.00731
653140.52	4189601.08	0.00632	653142.25	4189576.39	0.00736
653143.98	4189551.70	0.00634	653145.71	4189527.01	0.00740
653147.44	4189502.32	0.00706	653149.17	4189477.62	0.00743
653150.90	4189452.93	0.00730	653152.63	4189428.24	0.00745
653154.36	4189403.55	0.00743	653156.09	4189378.86	0.00745
653157.82	4189354.17	0.00757	653159.55	4189329.48	0.00746
653161.28	4189304.79	0.00769	653163.01	4189280.09	0.00745
653164.74	4189255.40	0.00778	653166.47	4189230.71	0.00743
653191.80	4189205.78	0.00968	653215.40	4189205.54	0.01365
653239.00	4189205.29	0.01259	653264.20	4189181.01	0.01115

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0002559 , L0002560 , L0002561 , L0002562 , L0002563 ,
L0002564 , L0002565 , L0002566 , L0002567 , L0002568 , L0002569 , L0002570 , L0002571 ,
L0002572 , L0002573 , L0002574 , L0002575 , L0002576 , L0002577 , L0002578 , L0002579 ,
L0002580 , L0002581 , L0002582 , L0002583 , L0002584 , L0002585 , L0002586 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.01116	653267.41	4189132.92	0.01117
653269.01	4189108.87	0.01117	653270.61	4189084.83	0.01118
653272.22	4189060.78	0.01118	653273.82	4189036.74	0.01118
653275.42	4189012.69	0.01118	653277.03	4188988.65	0.01117
653278.63	4188964.60	0.01116	653280.23	4188940.56	0.01115
653281.84	4188916.51	0.01114	653283.44	4188892.47	0.01113
653285.04	4188868.42	0.01111	653286.64	4188844.38	0.01109
653288.25	4188820.33	0.01106	653275.01	4188771.96	0.01198
653276.23	4188748.61	0.01195	653277.44	4188725.25	0.01193
653255.06	4188705.54	0.01320	653218.56	4188697.26	0.00710
653206.90	4188672.36	0.00723	653208.62	4188647.70	0.00662
653210.34	4188623.04	0.00695	653212.06	4188598.38	0.00620
653213.78	4188573.71	0.00645	653215.50	4188549.05	0.00547
653217.22	4188524.39	0.00647	653218.94	4188499.73	0.00544
653220.66	4188475.07	0.00648	653222.38	4188450.41	0.00542
653224.10	4188425.75	0.00446	653225.82	4188401.09	0.00381
653227.54	4188376.43	0.00334	653229.27	4188351.76	0.00298
653230.99	4188327.10	0.00270	653232.71	4188302.44	0.00246
653234.43	4188277.78	0.00227	653236.15	4188253.12	0.00210
653237.87	4188228.46	0.00196	653239.59	4188203.80	0.00183
653241.31	4188179.14	0.00172	653243.03	4188154.48	0.00162
653244.75	4188129.82	0.00153	653246.47	4188105.15	0.00145
653248.19	4188080.49	0.00137	653249.91	4188055.83	0.00131
653251.63	4188031.17	0.00125	653232.18	4188006.27	0.00118
653211.02	4188006.03	0.00118	653189.85	4188005.78	0.00118
653157.49	4188039.24	0.00127	653156.51	4188063.20	0.00134
653155.54	4188087.17	0.00140	653114.67	4188088.58	0.00144
653092.77	4188087.94	0.00145	653033.89	4188123.95	0.00157
653032.91	4188142.11	0.00163	653007.61	4188160.16	0.00166
652983.28	4188160.04	0.00163	652958.95	4188159.91	0.00160
653604.00	4191168.00	0.00025	653588.00	4190933.00	0.00032
653594.00	4189999.00	0.00217	653476.00	4189883.00	0.00352
653354.00	4189808.00	0.00564	653542.00	4189703.00	0.00364

653628.00	4189498.00	0.00346	653633.00	4189382.00	0.00361
653629.00	4189120.00	0.00393	653407.00	4188788.00	0.00700
653666.00	4188604.00	0.00347	653683.00	4188423.00	0.00267
653572.00	4188259.00	0.00225	653620.00	4187985.00	0.00131
653337.00	4187981.00	0.00120	652989.00	4188122.00	0.00154
651751.00	4188075.00	0.00050	651729.00	4188986.00	0.00081
651726.00	4189755.00	0.00093	652233.00	4190966.00	0.00056

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE7 ***
INCLUDING SOURCE(S): L0002559 , L0002560 , L0002561 , L0002562 , L0002563 ,
L0002564 , L0002565 , L0002566 , L0002567 , L0002568 , L0002569 , L0002570 , L0002571 ,
L0002572 , L0002573 , L0002574 , L0002575 , L0002576 , L0002577 , L0002578 , L0002579 ,
L0002580 , L0002581 , L0002582 , L0002583 , L0002584 , L0002585 , L0002586 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00043	652658.00	4191223.00	0.00036
653409.00	4191269.00	0.00025			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0002593 , L0002594 , L0002595 , L0002596 , L0002597 ,
L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 , L0002605 ,
L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , L0002612 , L0002613 ,
L0002614 , L0002615 , L0002616 , L0002617 , L0002618 , L0002619 , L0002620 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00443	652891.80	4188749.57	-0.01325
652898.61	4188748.60	-0.01353	652730.73	4191196.29	-0.00092
653028.05	4191206.02	-0.00079	653168.20	4189206.02	-0.04812
653262.60	4189205.05	-0.02775	653289.85	4188796.29	-0.02731
653273.79	4188795.32	-0.02956	653278.66	4188701.89	-0.02918
653231.46	4188709.19	-0.03883	653231.94	4188697.51	-0.03881
653205.18	4188697.02	-0.04621	653253.35	4188006.51	-0.00322
653168.68	4188005.54	-0.00312	653158.46	4188015.27	-0.00319
653154.57	4188111.13	-0.00389	653138.03	4188112.11	-0.00392
653136.57	4188089.23	-0.00373	653070.87	4188087.29	-0.00388
653060.65	4188096.53	-0.00398	653048.49	4188105.78	-0.00408
653034.86	4188105.78	-0.00410	653031.94	4188160.28	-0.00463
652932.84	4188184.36	-0.00461	652931.05	4188208.94	-0.00481
652929.27	4188233.51	-0.00501	652927.48	4188258.09	-0.00523
652925.70	4188282.66	-0.00547	652923.92	4188307.24	-0.00573
652922.13	4188331.81	-0.00601	652920.35	4188356.38	-0.00631
652918.56	4188380.96	-0.00664	652916.78	4188405.53	-0.00701
652914.99	4188430.11	-0.00739	652913.21	4188454.68	-0.00779
652911.43	4188479.25	-0.00819	652909.64	4188503.83	-0.00862
652907.86	4188528.40	-0.00908	652906.07	4188552.98	-0.00958
652904.29	4188577.55	-0.01009	652902.51	4188602.13	-0.01061
652900.72	4188626.70	-0.01112	652898.94	4188651.27	-0.01159
652897.15	4188675.85	-0.01205	652895.37	4188700.42	-0.01247

652893.58	4188725.00	-0.01288	652896.91	4188773.32	-0.01388
652895.22	4188798.05	-0.01418	652893.52	4188822.77	-0.01444
652891.83	4188847.50	-0.01467	652890.13	4188872.22	-0.01487
652888.44	4188896.94	-0.01504	652886.74	4188921.67	-0.01518
652885.04	4188946.39	-0.01530	652883.35	4188971.12	-0.01541
652881.65	4188995.84	-0.01549	652879.96	4189020.57	-0.01557
652878.26	4189045.29	-0.01563	652876.57	4189070.01	-0.01568
652874.87	4189094.74	-0.01572	652873.17	4189119.46	-0.01575
652871.48	4189144.19	-0.01578	652869.78	4189168.91	-0.01579
652868.09	4189193.63	-0.01580	652866.39	4189218.36	-0.01581
652864.69	4189243.08	-0.01580	652863.00	4189267.81	-0.01580
652861.30	4189292.53	-0.01578	652859.61	4189317.26	-0.01576
652857.91	4189341.98	-0.01574	652856.22	4189366.70	-0.01571
652854.52	4189391.43	-0.01567	652852.82	4189416.15	-0.01562
652851.13	4189440.88	-0.01557	652849.43	4189465.60	-0.01551
652847.74	4189490.32	-0.01545	652846.04	4189515.05	-0.01538
652844.35	4189539.77	-0.01530	652842.65	4189564.50	-0.01521

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0002593 , L0002594 , L0002595 , L0002596 , L0002597 ,
L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 , L0002605 ,
L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , L0002612 , L0002613 ,
L0002614 , L0002615 , L0002616 , L0002617 , L0002618 , L0002619 , L0002620 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.01511	652839.26	4189613.94	-0.01501
652837.56	4189638.67	-0.01490	652835.87	4189663.39	-0.01477
652834.17	4189688.12	-0.01464	652832.48	4189712.84	-0.01450
652830.78	4189737.57	-0.01435	652829.08	4189762.29	-0.01419
652827.39	4189787.01	-0.01402	652825.69	4189811.74	-0.01385
652824.00	4189836.46	-0.01366	652822.30	4189861.19	-0.01347
652820.61	4189885.91	-0.01326	652818.91	4189910.63	-0.01305
652817.21	4189935.36	-0.01281	652815.52	4189960.08	-0.01256
652813.82	4189984.81	-0.01228	652812.13	4190009.53	-0.01197
652810.43	4190034.26	-0.01164	652808.73	4190058.98	-0.01127
652807.04	4190083.70	-0.01087	652805.34	4190108.43	-0.01045
652803.65	4190133.15	-0.01002	652801.95	4190157.88	-0.00957
652800.26	4190182.60	-0.00909	652798.56	4190207.32	-0.00856
652796.86	4190232.05	-0.00801	652795.17	4190256.77	-0.00744
652793.47	4190281.50	-0.00688	652791.78	4190306.22	-0.00635
652790.08	4190330.95	-0.00585	652788.39	4190355.67	-0.00537
652786.69	4190380.39	-0.00492	652784.99	4190405.12	-0.00450
652783.30	4190429.84	-0.00412	652781.60	4190454.57	-0.00378
652779.91	4190479.29	-0.00349	652778.21	4190504.01	-0.00322
652776.52	4190528.74	-0.00299	652774.82	4190553.46	-0.00279
652773.12	4190578.19	-0.00261	652771.43	4190602.91	-0.00245
652769.73	4190627.63	-0.00231	652768.04	4190652.36	-0.00218
652766.34	4190677.08	-0.00207	652764.65	4190701.81	-0.00197
652762.95	4190726.53	-0.00188	652761.25	4190751.26	-0.00179
652759.56	4190775.98	-0.00171	652757.86	4190800.70	-0.00164
652756.17	4190825.43	-0.00157	652754.47	4190850.15	-0.00151

652752.77	4190874.88	-0.00145	652751.08	4190899.60	-0.00139
652749.38	4190924.32	-0.00134	652747.69	4190949.05	-0.00129
652745.99	4190973.77	-0.00124	652744.30	4190998.50	-0.00120
652742.60	4191023.22	-0.00116	652740.90	4191047.95	-0.00112
652739.21	4191072.67	-0.00108	652737.51	4191097.39	-0.00105
652735.82	4191122.12	-0.00101	652734.12	4191146.84	-0.00098
652732.43	4191171.57	-0.00095	652755.51	4191197.10	-0.00090
652780.28	4191197.91	-0.00087	652805.06	4191198.72	-0.00085
652829.84	4191199.53	-0.00082	652854.61	4191200.34	-0.00080
652879.39	4191201.16	-0.00078	652904.17	4191201.97	-0.00077
652928.94	4191202.78	-0.00077	652953.72	4191203.59	-0.00077
652978.50	4191204.40	-0.00078	653003.27	4191205.21	-0.00079
653029.78	4191181.33	-0.00081	653031.51	4191156.64	-0.00084
653033.24	4191131.95	-0.00086	653034.97	4191107.25	-0.00088

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0002593 , L0002594 , L0002595 , L0002596 , L0002597 ,
L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 , L0002605 ,
L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , L0002612 , L0002613 ,
L0002614 , L0002615 , L0002616 , L0002617 , L0002618 , L0002619 , L0002620 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.00091	653038.43	4191057.87	-0.00093
653040.16	4191033.18	-0.00096	653041.89	4191008.49	-0.00099
653043.62	4190983.80	-0.00102	653045.35	4190959.11	-0.00106
653047.08	4190934.42	-0.00109	653048.81	4190909.72	-0.00113
653050.54	4190885.03	-0.00117	653052.27	4190860.34	-0.00121
653054.00	4190835.65	-0.00125	653055.73	4190810.96	-0.00130
653057.46	4190786.27	-0.00135	653059.19	4190761.58	-0.00140
653060.92	4190736.88	-0.00146	653062.65	4190712.19	-0.00152
653064.39	4190687.50	-0.00159	653066.12	4190662.81	-0.00166
653067.85	4190638.12	-0.00174	653069.58	4190613.43	-0.00183
653071.31	4190588.74	-0.00192	653073.04	4190564.04	-0.00203
653074.77	4190539.35	-0.00214	653076.50	4190514.66	-0.00227
653078.23	4190489.97	-0.00241	653079.96	4190465.28	-0.00257
653081.69	4190440.59	-0.00275	653083.42	4190415.90	-0.00296
653085.15	4190391.21	-0.00320	653086.88	4190366.51	-0.00348
653088.61	4190341.82	-0.00381	653090.34	4190317.13	-0.00420
653092.07	4190292.44	-0.00469	653093.80	4190267.75	-0.00531
653095.53	4190243.06	-0.00617	653097.26	4190218.37	-0.00762
653098.99	4190193.67	-0.01085	653100.72	4190168.98	-0.01745
653102.45	4190144.29	-0.02606	653104.18	4190119.60	-0.03175
653105.91	4190094.91	-0.03548	653107.64	4190070.22	-0.03808
653109.37	4190045.53	-0.03964	653111.10	4190020.83	-0.04112
653112.83	4189996.14	-0.04211	653114.56	4189971.45	-0.04278
653116.29	4189946.76	-0.04370	653118.02	4189922.07	-0.04401
653119.75	4189897.38	-0.04462	653121.48	4189872.69	-0.04512
653123.21	4189848.00	-0.04522	653124.94	4189823.30	-0.04569
653126.67	4189798.61	-0.04597	653128.40	4189773.92	-0.04607
653130.13	4189749.23	-0.04656	653131.86	4189724.54	-0.04647
653133.60	4189699.85	-0.04676	653135.33	4189675.16	-0.04700
653137.06	4189650.46	-0.04691	653138.79	4189625.77	-0.04730

653140.52	4189601.08	-0.04733	653142.25	4189576.39	-0.04736
653143.98	4189551.70	-0.04766	653145.71	4189527.01	-0.04744
653147.44	4189502.32	-0.04774	653149.17	4189477.62	-0.04782
653150.90	4189452.93	-0.04774	653152.63	4189428.24	-0.04805
653154.36	4189403.55	-0.04795	653156.09	4189378.86	-0.04791
653157.82	4189354.17	-0.04819	653159.55	4189329.48	-0.04796
653161.28	4189304.79	-0.04809	653163.01	4189280.09	-0.04827
653164.74	4189255.40	-0.04802	653166.47	4189230.71	-0.04829
653191.80	4189205.78	-0.04165	653215.40	4189205.54	-0.03565
653239.00	4189205.29	-0.03120	653264.20	4189181.01	-0.02777

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0002593 , L0002594 , L0002595 , L0002596 , L0002597 ,
L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 , L0002605 ,
L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , L0002612 , L0002613 ,
L0002614 , L0002615 , L0002616 , L0002617 , L0002618 , L0002619 , L0002620 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.02779	653267.41	4189132.92	-0.02780
653269.01	4189108.87	-0.02781	653270.61	4189084.83	-0.02782
653272.22	4189060.78	-0.02781	653273.82	4189036.74	-0.02781
653275.42	4189012.69	-0.02779	653277.03	4188988.65	-0.02777
653278.63	4188964.60	-0.02774	653280.23	4188940.56	-0.02771
653281.84	4188916.51	-0.02767	653283.44	4188892.47	-0.02762
653285.04	4188868.42	-0.02756	653286.64	4188844.38	-0.02749
653288.25	4188820.33	-0.02740	653275.01	4188771.96	-0.02950
653276.23	4188748.61	-0.02942	653277.44	4188725.25	-0.02931
653255.06	4188705.54	-0.03331	653218.56	4188697.26	-0.04276
653206.90	4188672.36	-0.04602	653208.62	4188647.70	-0.04563
653210.34	4188623.04	-0.04505	653212.06	4188598.38	-0.04457
653213.78	4188573.71	-0.04348	653215.50	4188549.05	-0.04178
653217.22	4188524.39	-0.03801	653218.94	4188499.73	-0.03035
653220.66	4188475.07	-0.02256	653222.38	4188450.41	-0.01735
653224.10	4188425.75	-0.01402	653225.82	4188401.09	-0.01177
653227.54	4188376.43	-0.01014	653229.27	4188351.76	-0.00891
653230.99	4188327.10	-0.00795	653232.71	4188302.44	-0.00717
653234.43	4188277.78	-0.00653	653236.15	4188253.12	-0.00599
653237.87	4188228.46	-0.00553	653239.59	4188203.80	-0.00513
653241.31	4188179.14	-0.00478	653243.03	4188154.48	-0.00448
653244.75	4188129.82	-0.00421	653246.47	4188105.15	-0.00397
653248.19	4188080.49	-0.00375	653249.91	4188055.83	-0.00356
653251.63	4188031.17	-0.00338	653232.18	4188006.27	-0.00318
653211.02	4188006.03	-0.00315	653189.85	4188005.78	-0.00313
653157.49	4188039.24	-0.00334	653156.51	4188063.20	-0.00350
653155.54	4188087.17	-0.00369	653114.67	4188088.58	-0.00378
653092.77	4188087.94	-0.00384	653033.89	4188123.95	-0.00427
653032.91	4188142.11	-0.00444	653007.61	4188160.16	-0.00462
652983.28	4188160.04	-0.00458	652958.95	4188159.91	-0.00451
653604.00	4191168.00	-0.00068	653588.00	4190933.00	-0.00086
653594.00	4189999.00	-0.00567	653476.00	4189883.00	-0.00900
653354.00	4189808.00	-0.01426	653542.00	4189703.00	-0.00922

653628.00	4189498.00	-0.00873	653633.00	4189382.00	-0.00909
653629.00	4189120.00	-0.00988	653407.00	4188788.00	-0.01754
653666.00	4188604.00	-0.00856	653683.00	4188423.00	-0.00665
653572.00	4188259.00	-0.00575	653620.00	4187985.00	-0.00340
653337.00	4187981.00	-0.00326	652989.00	4188122.00	-0.00425
651751.00	4188075.00	-0.00135	651729.00	4188986.00	-0.00222
651726.00	4189755.00	-0.00258	652233.00	4190966.00	-0.00150

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE8 ***
INCLUDING SOURCE(S): L0002593 , L0002594 , L0002595 , L0002596 , L0002597 ,
L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 , L0002605 ,
L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , L0002612 , L0002613 ,
L0002614 , L0002615 , L0002616 , L0002617 , L0002618 , L0002619 , L0002620 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00114	652658.00	4191223.00	-0.00094
653409.00	4191269.00	-0.00066			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0002635 , L0002636 , L0002637 , L0002638 , L0002639 ,
L0002640 , L0002641 , L0002642 , L0002643 , L0002644 , L0002645 , L0002646 , L0002647 ,
L0002648 , L0002649 , L0002650 , L0002651 , L0002652 , L0002653 , L0002654 , L0002655 ,
L0002656 , L0002657 , L0002658 , L0002659 , L0002660 , L0002661 , L0002662 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00470	652891.80	4188749.57	-0.01450
652898.61	4188748.60	-0.01482	652730.73	4191196.29	-0.00136
653028.05	4191206.02	-0.00114	653168.20	4189206.02	-0.04461
653262.60	4189205.05	-0.02652	653289.85	4188796.29	-0.02590
653273.79	4188795.32	-0.02784	653278.66	4188701.89	-0.02742
653231.46	4188709.19	-0.03541	653231.94	4188697.51	-0.03537
653205.18	4188697.02	-0.04250	653253.35	4188006.51	-0.00344
653168.68	4188005.54	-0.00330	653158.46	4188015.27	-0.00336
653154.57	4188111.13	-0.00408	653138.03	4188112.11	-0.00410
653136.57	4188089.23	-0.00390	653070.87	4188087.29	-0.00404
653060.65	4188096.53	-0.00415	653048.49	4188105.78	-0.00425
653034.86	4188105.78	-0.00428	653031.94	4188160.28	-0.00483
652932.84	4188184.36	-0.00491	652931.05	4188208.94	-0.00513
652929.27	4188233.51	-0.00535	652927.48	4188258.09	-0.00559
652925.70	4188282.66	-0.00585	652923.92	4188307.24	-0.00612
652922.13	4188331.81	-0.00643	652920.35	4188356.38	-0.00676
652918.56	4188380.96	-0.00712	652916.78	4188405.53	-0.00752
652914.99	4188430.11	-0.00795	652913.21	4188454.68	-0.00839
652911.43	4188479.25	-0.00884	652909.64	4188503.83	-0.00933
652907.86	4188528.40	-0.00985	652906.07	4188552.98	-0.01041
652904.29	4188577.55	-0.01099	652902.51	4188602.13	-0.01158
652900.72	4188626.70	-0.01214	652898.94	4188651.27	-0.01267
652897.15	4188675.85	-0.01318	652895.37	4188700.42	-0.01366

652893.58	4188725.00	-0.01410	652896.91	4188773.32	-0.01519
652895.22	4188798.05	-0.01551	652893.52	4188822.77	-0.01579
652891.83	4188847.50	-0.01603	652890.13	4188872.22	-0.01624
652888.44	4188896.94	-0.01642	652886.74	4188921.67	-0.01658
652885.04	4188946.39	-0.01671	652883.35	4188971.12	-0.01683
652881.65	4188995.84	-0.01693	652879.96	4189020.57	-0.01702
652878.26	4189045.29	-0.01709	652876.57	4189070.01	-0.01716
652874.87	4189094.74	-0.01722	652873.17	4189119.46	-0.01727
652871.48	4189144.19	-0.01732	652869.78	4189168.91	-0.01735
652868.09	4189193.63	-0.01738	652866.39	4189218.36	-0.01741
652864.69	4189243.08	-0.01743	652863.00	4189267.81	-0.01745
652861.30	4189292.53	-0.01746	652859.61	4189317.26	-0.01746
652857.91	4189341.98	-0.01746	652856.22	4189366.70	-0.01746
652854.52	4189391.43	-0.01745	652852.82	4189416.15	-0.01744
652851.13	4189440.88	-0.01742	652849.43	4189465.60	-0.01740
652847.74	4189490.32	-0.01737	652846.04	4189515.05	-0.01734
652844.35	4189539.77	-0.01731	652842.65	4189564.50	-0.01727

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0002635 , L0002636 , L0002637 , L0002638 , L0002639 ,
L0002640 , L0002641 , L0002642 , L0002643 , L0002644 , L0002645 , L0002646 , L0002647 ,
L0002648 , L0002649 , L0002650 , L0002651 , L0002652 , L0002653 , L0002654 , L0002655 ,
L0002656 , L0002657 , L0002658 , L0002659 , L0002660 , L0002661 , L0002662 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.01722	652839.26	4189613.94	-0.01717
652837.56	4189638.67	-0.01712	652835.87	4189663.39	-0.01706
652834.17	4189688.12	-0.01700	652832.48	4189712.84	-0.01693
652830.78	4189737.57	-0.01685	652829.08	4189762.29	-0.01677
652827.39	4189787.01	-0.01668	652825.69	4189811.74	-0.01658
652824.00	4189836.46	-0.01647	652822.30	4189861.19	-0.01636
652820.61	4189885.91	-0.01623	652818.91	4189910.63	-0.01610
652817.21	4189935.36	-0.01595	652815.52	4189960.08	-0.01580
652813.82	4189984.81	-0.01563	652812.13	4190009.53	-0.01546
652810.43	4190034.26	-0.01527	652808.73	4190058.98	-0.01508
652807.04	4190083.70	-0.01487	652805.34	4190108.43	-0.01465
652803.65	4190133.15	-0.01443	652801.95	4190157.88	-0.01419
652800.26	4190182.60	-0.01394	652798.56	4190207.32	-0.01366
652796.86	4190232.05	-0.01336	652795.17	4190256.77	-0.01303
652793.47	4190281.50	-0.01267	652791.78	4190306.22	-0.01228
652790.08	4190330.95	-0.01184	652788.39	4190355.67	-0.01137
652786.69	4190380.39	-0.01089	652784.99	4190405.12	-0.01039
652783.30	4190429.84	-0.00985	652781.60	4190454.57	-0.00926
652779.91	4190479.29	-0.00864	652778.21	4190504.01	-0.00799
652776.52	4190528.74	-0.00737	652774.82	4190553.46	-0.00677
652773.12	4190578.19	-0.00620	652771.43	4190602.91	-0.00566
652769.73	4190627.63	-0.00516	652768.04	4190652.36	-0.00470
652766.34	4190677.08	-0.00430	652764.65	4190701.81	-0.00394
652762.95	4190726.53	-0.00363	652761.25	4190751.26	-0.00335
652759.56	4190775.98	-0.00311	652757.86	4190800.70	-0.00291
652756.17	4190825.43	-0.00272	652754.47	4190850.15	-0.00256
652752.77	4190874.88	-0.00242	652751.08	4190899.60	-0.00229

652749.38	4190924.32	-0.00217	652747.69	4190949.05	-0.00207
652745.99	4190973.77	-0.00197	652744.30	4190998.50	-0.00188
652742.60	4191023.22	-0.00180	652740.90	4191047.95	-0.00172
652739.21	4191072.67	-0.00165	652737.51	4191097.39	-0.00159
652735.82	4191122.12	-0.00152	652734.12	4191146.84	-0.00147
652732.43	4191171.57	-0.00141	652755.51	4191197.10	-0.00133
652780.28	4191197.91	-0.00129	652805.06	4191198.72	-0.00125
652829.84	4191199.53	-0.00121	652854.61	4191200.34	-0.00117
652879.39	4191201.16	-0.00114	652904.17	4191201.97	-0.00112
652928.94	4191202.78	-0.00112	652953.72	4191203.59	-0.00112
652978.50	4191204.40	-0.00113	653003.27	4191205.21	-0.00114
653029.78	4191181.33	-0.00118	653031.51	4191156.64	-0.00122
653033.24	4191131.95	-0.00126	653034.97	4191107.25	-0.00130

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0002635 , L0002636 , L0002637 , L0002638 , L0002639 ,
L0002640 , L0002641 , L0002642 , L0002643 , L0002644 , L0002645 , L0002646 , L0002647 ,
L0002648 , L0002649 , L0002650 , L0002651 , L0002652 , L0002653 , L0002654 , L0002655 ,
L0002656 , L0002657 , L0002658 , L0002659 , L0002660 , L0002661 , L0002662 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.00134	653038.43	4191057.87	-0.00139
653040.16	4191033.18	-0.00145	653041.89	4191008.49	-0.00150
653043.62	4190983.80	-0.00156	653045.35	4190959.11	-0.00162
653047.08	4190934.42	-0.00169	653048.81	4190909.72	-0.00177
653050.54	4190885.03	-0.00185	653052.27	4190860.34	-0.00194
653054.00	4190835.65	-0.00204	653055.73	4190810.96	-0.00214
653057.46	4190786.27	-0.00226	653059.19	4190761.58	-0.00239
653060.92	4190736.88	-0.00254	653062.65	4190712.19	-0.00270
653064.39	4190687.50	-0.00288	653066.12	4190662.81	-0.00309
653067.85	4190638.12	-0.00333	653069.58	4190613.43	-0.00361
653071.31	4190588.74	-0.00393	653073.04	4190564.04	-0.00433
653074.77	4190539.35	-0.00481	653076.50	4190514.66	-0.00544
653078.23	4190489.97	-0.00636	653079.96	4190465.28	-0.00806
653081.69	4190440.59	-0.01169	653083.42	4190415.90	-0.01761
653085.15	4190391.21	-0.02359	653086.88	4190366.51	-0.02816
653088.61	4190341.82	-0.03135	653090.34	4190317.13	-0.03363
653092.07	4190292.44	-0.03532	653093.80	4190267.75	-0.03660
653095.53	4190243.06	-0.03763	653097.26	4190218.37	-0.03846
653098.99	4190193.67	-0.03915	653100.72	4190168.98	-0.03974
653102.45	4190144.29	-0.04024	653104.18	4190119.60	-0.04067
653105.91	4190094.91	-0.04106	653107.64	4190070.22	-0.04138
653109.37	4190045.53	-0.04168	653111.10	4190020.83	-0.04194
653112.83	4189996.14	-0.04217	653114.56	4189971.45	-0.04239
653116.29	4189946.76	-0.04259	653118.02	4189922.07	-0.04276
653119.75	4189897.38	-0.04294	653121.48	4189872.69	-0.04307
653123.21	4189848.00	-0.04322	653124.94	4189823.30	-0.04335
653126.67	4189798.61	-0.04345	653128.40	4189773.92	-0.04357
653130.13	4189749.23	-0.04367	653131.86	4189724.54	-0.04376
653133.60	4189699.85	-0.04385	653135.33	4189675.16	-0.04392
653137.06	4189650.46	-0.04400	653138.79	4189625.77	-0.04408

653140.52	4189601.08	-0.04412	653142.25	4189576.39	-0.04419
653143.98	4189551.70	-0.04425	653145.71	4189527.01	-0.04429
653147.44	4189502.32	-0.04434	653149.17	4189477.62	-0.04438
653150.90	4189452.93	-0.04442	653152.63	4189428.24	-0.04446
653154.36	4189403.55	-0.04449	653156.09	4189378.86	-0.04452
653157.82	4189354.17	-0.04455	653159.55	4189329.48	-0.04455
653161.28	4189304.79	-0.04458	653163.01	4189280.09	-0.04460
653164.74	4189255.40	-0.04460	653166.47	4189230.71	-0.04461
653191.80	4189205.78	-0.03804	653215.40	4189205.54	-0.03318
653239.00	4189205.29	-0.02947	653264.20	4189181.01	-0.02653

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0002635 , L0002636 , L0002637 , L0002638 , L0002639 ,
L0002640 , L0002641 , L0002642 , L0002643 , L0002644 , L0002645 , L0002646 , L0002647 ,
L0002648 , L0002649 , L0002650 , L0002651 , L0002652 , L0002653 , L0002654 , L0002655 ,
L0002656 , L0002657 , L0002658 , L0002659 , L0002660 , L0002661 , L0002662 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.02653	653267.41	4189132.92	-0.02653
653269.01	4189108.87	-0.02652	653270.61	4189084.83	-0.02651
653272.22	4189060.78	-0.02650	653273.82	4189036.74	-0.02648
653275.42	4189012.69	-0.02645	653277.03	4188988.65	-0.02642
653278.63	4188964.60	-0.02639	653280.23	4188940.56	-0.02635
653281.84	4188916.51	-0.02630	653283.44	4188892.47	-0.02624
653285.04	4188868.42	-0.02617	653286.64	4188844.38	-0.02610
653288.25	4188820.33	-0.02601	653275.01	4188771.96	-0.02777
653276.23	4188748.61	-0.02768	653277.44	4188725.25	-0.02756
653255.06	4188705.54	-0.03089	653218.56	4188697.26	-0.03862
653206.90	4188672.36	-0.04219	653208.62	4188647.70	-0.04183
653210.34	4188623.04	-0.04135	653212.06	4188598.38	-0.04074
653213.78	4188573.71	-0.03982	653215.50	4188549.05	-0.03807
653217.22	4188524.39	-0.03434	653218.94	4188499.73	-0.02827
653220.66	4188475.07	-0.02224	653222.38	4188450.41	-0.01773
653224.10	4188425.75	-0.01457	653225.82	4188401.09	-0.01233
653227.54	4188376.43	-0.01068	653229.27	4188351.76	-0.00942
653230.99	4188327.10	-0.00842	653232.71	4188302.44	-0.00760
653234.43	4188277.78	-0.00693	653236.15	4188253.12	-0.00636
653237.87	4188228.46	-0.00588	653239.59	4188203.80	-0.00546
653241.31	4188179.14	-0.00509	653243.03	4188154.48	-0.00477
653244.75	4188129.82	-0.00449	653246.47	4188105.15	-0.00423
653248.19	4188080.49	-0.00400	653249.91	4188055.83	-0.00380
653251.63	4188031.17	-0.00361	653232.18	4188006.27	-0.00339
653211.02	4188006.03	-0.00335	653189.85	4188005.78	-0.00332
653157.49	4188039.24	-0.00352	653156.51	4188063.20	-0.00369
653155.54	4188087.17	-0.00387	653114.67	4188088.58	-0.00393
653092.77	4188087.94	-0.00399	653033.89	4188123.95	-0.00445
653032.91	4188142.11	-0.00463	653007.61	4188160.16	-0.00484
652983.28	4188160.04	-0.00482	652958.95	4188159.91	-0.00478
653604.00	4191168.00	-0.00092	653588.00	4190933.00	-0.00122
653594.00	4189999.00	-0.00756	653476.00	4189883.00	-0.01075
653354.00	4189808.00	-0.01555	653542.00	4189703.00	-0.01023
653628.00	4189498.00	-0.00935	653633.00	4189382.00	-0.00958

653629.00	4189120.00	-0.01016	653407.00	4188788.00	-0.01719
653666.00	4188604.00	-0.00867	653683.00	4188423.00	-0.00680
653572.00	4188259.00	-0.00592	653620.00	4187985.00	-0.00358
653337.00	4187981.00	-0.00349	652989.00	4188122.00	-0.00446
651751.00	4188075.00	-0.00151	651729.00	4188986.00	-0.00248
651726.00	4189755.00	-0.00302	652233.00	4190966.00	-0.00231

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE9 ***
INCLUDING SOURCE(S): L0002635 , L0002636 , L0002637 , L0002638 , L0002639 ,
L0002640 , L0002641 , L0002642 , L0002643 , L0002644 , L0002645 , L0002646 , L0002647 ,
L0002648 , L0002649 , L0002650 , L0002651 , L0002652 , L0002653 , L0002654 , L0002655 ,
L0002656 , L0002657 , L0002658 , L0002659 , L0002660 , L0002661 , L0002662 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00170	652658.00	4191223.00	-0.00137
653409.00	4191269.00	-0.00090			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0002684 , L0002685 , L0002686 , L0002687 , L0002688 ,
L0002689 , L0002690 , L0002691 , L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00390	652891.80	4188749.57	-0.01671
652898.61	4188748.60	-0.01718	652730.73	4191196.29	-0.00150
653028.05	4191206.02	-0.00129	653168.20	4189206.02	-0.02842
653262.60	4189205.05	-0.01984	653289.85	4188796.29	-0.01872
653273.79	4188795.32	-0.01977	653278.66	4188701.89	-0.01855
653231.46	4188709.19	-0.02253	653231.94	4188697.51	-0.02227
653205.18	4188697.02	-0.02521	653253.35	4188006.51	-0.00302
653168.68	4188005.54	-0.00285	653158.46	4188015.27	-0.00288
653154.57	4188111.13	-0.00342	653138.03	4188112.11	-0.00339
653136.57	4188089.23	-0.00325	653070.87	4188087.29	-0.00318
653060.65	4188096.53	-0.00324	653048.49	4188105.78	-0.00330
653034.86	4188105.78	-0.00332	653031.94	4188160.28	-0.00369
652932.84	4188184.36	-0.00410	652931.05	4188208.94	-0.00431
652929.27	4188233.51	-0.00454	652927.48	4188258.09	-0.00480
652925.70	4188282.66	-0.00507	652923.92	4188307.24	-0.00536
652922.13	4188331.81	-0.00568	652920.35	4188356.38	-0.00601
652918.56	4188380.96	-0.00637	652916.78	4188405.53	-0.00675
652914.99	4188430.11	-0.00715	652913.21	4188454.68	-0.00759
652911.43	4188479.25	-0.00808	652909.64	4188503.83	-0.00862
652907.86	4188528.40	-0.00923	652906.07	4188552.98	-0.00991
652904.29	4188577.55	-0.01063	652902.51	4188602.13	-0.01139
652900.72	4188626.70	-0.01224	652898.94	4188651.27	-0.01317
652897.15	4188675.85	-0.01412	652895.37	4188700.42	-0.01504
652893.58	4188725.00	-0.01591	652896.91	4188773.32	-0.01792

652895.22	4188798.05	-0.01855	652893.52	4188822.77	-0.01908
652891.83	4188847.50	-0.01952	652890.13	4188872.22	-0.01988
652888.44	4188896.94	-0.02018	652886.74	4188921.67	-0.02044
652885.04	4188946.39	-0.02065	652883.35	4188971.12	-0.02084
652881.65	4188995.84	-0.02100	652879.96	4189020.57	-0.02114
652878.26	4189045.29	-0.02126	652876.57	4189070.01	-0.02137
652874.87	4189094.74	-0.02147	652873.17	4189119.46	-0.02155
652871.48	4189144.19	-0.02163	652869.78	4189168.91	-0.02170
652868.09	4189193.63	-0.02175	652866.39	4189218.36	-0.02181
652864.69	4189243.08	-0.02185	652863.00	4189267.81	-0.02189
652861.30	4189292.53	-0.02192	652859.61	4189317.26	-0.02195
652857.91	4189341.98	-0.02197	652856.22	4189366.70	-0.02199
652854.52	4189391.43	-0.02200	652852.82	4189416.15	-0.02201
652851.13	4189440.88	-0.02201	652849.43	4189465.60	-0.02201
652847.74	4189490.32	-0.02200	652846.04	4189515.05	-0.02199
652844.35	4189539.77	-0.02198	652842.65	4189564.50	-0.02196

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0002684 , L0002685 , L0002686 , L0002687 , L0002688 ,
L0002689 , L0002690 , L0002691 , L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.02194	652839.26	4189613.94	-0.02191
652837.56	4189638.67	-0.02188	652835.87	4189663.39	-0.02184
652834.17	4189688.12	-0.02180	652832.48	4189712.84	-0.02175
652830.78	4189737.57	-0.02170	652829.08	4189762.29	-0.02165
652827.39	4189787.01	-0.02158	652825.69	4189811.74	-0.02152
652824.00	4189836.46	-0.02144	652822.30	4189861.19	-0.02136
652820.61	4189885.91	-0.02127	652818.91	4189910.63	-0.02118
652817.21	4189935.36	-0.02107	652815.52	4189960.08	-0.02096
652813.82	4189984.81	-0.02084	652812.13	4190009.53	-0.02071
652810.43	4190034.26	-0.02056	652808.73	4190058.98	-0.02041
652807.04	4190083.70	-0.02024	652805.34	4190108.43	-0.02005
652803.65	4190133.15	-0.01985	652801.95	4190157.88	-0.01963
652800.26	4190182.60	-0.01938	652798.56	4190207.32	-0.01912
652796.86	4190232.05	-0.01883	652795.17	4190256.77	-0.01851
652793.47	4190281.50	-0.01817	652791.78	4190306.22	-0.01780
652790.08	4190330.95	-0.01741	652788.39	4190355.67	-0.01700
652786.69	4190380.39	-0.01655	652784.99	4190405.12	-0.01605
652783.30	4190429.84	-0.01550	652781.60	4190454.57	-0.01488
652779.91	4190479.29	-0.01417	652778.21	4190504.01	-0.01341
652776.52	4190528.74	-0.01260	652774.82	4190553.46	-0.01170
652773.12	4190578.19	-0.01071	652771.43	4190602.91	-0.00966
652769.73	4190627.63	-0.00863	652768.04	4190652.36	-0.00766
652766.34	4190677.08	-0.00677	652764.65	4190701.81	-0.00598
652762.95	4190726.53	-0.00531	652761.25	4190751.26	-0.00474
652759.56	4190775.98	-0.00427	652757.86	4190800.70	-0.00388
652756.17	4190825.43	-0.00356	652754.47	4190850.15	-0.00328
652752.77	4190874.88	-0.00304	652751.08	4190899.60	-0.00284

652749.38	4190924.32	-0.00265	652747.69	4190949.05	-0.00249
652745.99	4190973.77	-0.00235	652744.30	4190998.50	-0.00222
652742.60	4191023.22	-0.00210	652740.90	4191047.95	-0.00199
652739.21	4191072.67	-0.00189	652737.51	4191097.39	-0.00180
652735.82	4191122.12	-0.00172	652734.12	4191146.84	-0.00164
652732.43	4191171.57	-0.00157	652755.51	4191197.10	-0.00145
652780.28	4191197.91	-0.00140	652805.06	4191198.72	-0.00136
652829.84	4191199.53	-0.00133	652854.61	4191200.34	-0.00132
652879.39	4191201.16	-0.00132	652904.17	4191201.97	-0.00133
652928.94	4191202.78	-0.00133	652953.72	4191203.59	-0.00133
652978.50	4191204.40	-0.00132	653003.27	4191205.21	-0.00131
653029.78	4191181.33	-0.00133	653031.51	4191156.64	-0.00138
653033.24	4191131.95	-0.00143	653034.97	4191107.25	-0.00149

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0002684 , L0002685 , L0002686 , L0002687 , L0002688 ,
L0002689 , L0002690 , L0002691 , L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.00154	653038.43	4191057.87	-0.00161
653040.16	4191033.18	-0.00167	653041.89	4191008.49	-0.00175
653043.62	4190983.80	-0.00182	653045.35	4190959.11	-0.00191
653047.08	4190934.42	-0.00200	653048.81	4190909.72	-0.00210
653050.54	4190885.03	-0.00221	653052.27	4190860.34	-0.00233
653054.00	4190835.65	-0.00247	653055.73	4190810.96	-0.00262
653057.46	4190786.27	-0.00279	653059.19	4190761.58	-0.00298
653060.92	4190736.88	-0.00320	653062.65	4190712.19	-0.00345
653064.39	4190687.50	-0.00376	653066.12	4190662.81	-0.00416
653067.85	4190638.12	-0.00470	653069.58	4190613.43	-0.00551
653071.31	4190588.74	-0.00670	653073.04	4190564.04	-0.00836
653074.77	4190539.35	-0.01040	653076.50	4190514.66	-0.01256
653078.23	4190489.97	-0.01462	653079.96	4190465.28	-0.01646
653081.69	4190440.59	-0.01804	653083.42	4190415.90	-0.01938
653085.15	4190391.21	-0.02050	653086.88	4190366.51	-0.02144
653088.61	4190341.82	-0.02222	653090.34	4190317.13	-0.02289
653092.07	4190292.44	-0.02347	653093.80	4190267.75	-0.02397
653095.53	4190243.06	-0.02441	653097.26	4190218.37	-0.02480
653098.99	4190193.67	-0.02514	653100.72	4190168.98	-0.02545
653102.45	4190144.29	-0.02573	653104.18	4190119.60	-0.02599
653105.91	4190094.91	-0.02621	653107.64	4190070.22	-0.02642
653109.37	4190045.53	-0.02661	653111.10	4190020.83	-0.02678
653112.83	4189996.14	-0.02694	653114.56	4189971.45	-0.02709
653116.29	4189946.76	-0.02722	653118.02	4189922.07	-0.02734
653119.75	4189897.38	-0.02745	653121.48	4189872.69	-0.02756
653123.21	4189848.00	-0.02765	653124.94	4189823.30	-0.02774
653126.67	4189798.61	-0.02782	653128.40	4189773.92	-0.02790
653130.13	4189749.23	-0.02796	653131.86	4189724.54	-0.02803
653133.60	4189699.85	-0.02808	653135.33	4189675.16	-0.02814
653137.06	4189650.46	-0.02819	653138.79	4189625.77	-0.02823
653140.52	4189601.08	-0.02827	653142.25	4189576.39	-0.02831

653143.98	4189551.70	-0.02834	653145.71	4189527.01	-0.02837
653147.44	4189502.32	-0.02840	653149.17	4189477.62	-0.02842
653150.90	4189452.93	-0.02844	653152.63	4189428.24	-0.02845
653154.36	4189403.55	-0.02846	653156.09	4189378.86	-0.02847
653157.82	4189354.17	-0.02848	653159.55	4189329.48	-0.02848
653161.28	4189304.79	-0.02848	653163.01	4189280.09	-0.02847
653164.74	4189255.40	-0.02846	653166.47	4189230.71	-0.02844
653191.80	4189205.78	-0.02565	653215.40	4189205.54	-0.02337
653239.00	4189205.29	-0.02147	653264.20	4189181.01	-0.01983

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0002684 , L0002685 , L0002686 , L0002687 , L0002688 ,
L0002689 , L0002690 , L0002691 , L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.01982	653267.41	4189132.92	-0.01980
653269.01	4189108.87	-0.01978	653270.61	4189084.83	-0.01975
653272.22	4189060.78	-0.01971	653273.82	4189036.74	-0.01967
653275.42	4189012.69	-0.01963	653277.03	4188988.65	-0.01957
653278.63	4188964.60	-0.01951	653280.23	4188940.56	-0.01944
653281.84	4188916.51	-0.01936	653283.44	4188892.47	-0.01927
653285.04	4188868.42	-0.01916	653286.64	4188844.38	-0.01904
653288.25	4188820.33	-0.01890	653275.01	4188771.96	-0.01958
653276.23	4188748.61	-0.01933	653277.44	4188725.25	-0.01900
653255.06	4188705.54	-0.02037	653218.56	4188697.26	-0.02365
653206.90	4188672.36	-0.02434	653208.62	4188647.70	-0.02305
653210.34	4188623.04	-0.02131	653212.06	4188598.38	-0.01924
653213.78	4188573.71	-0.01710	653215.50	4188549.05	-0.01511
653217.22	4188524.39	-0.01335	653218.94	4188499.73	-0.01183
653220.66	4188475.07	-0.01056	653222.38	4188450.41	-0.00950
653224.10	4188425.75	-0.00861	653225.82	4188401.09	-0.00785
653227.54	4188376.43	-0.00722	653229.27	4188351.76	-0.00666
653230.99	4188327.10	-0.00618	653232.71	4188302.44	-0.00576
653234.43	4188277.78	-0.00539	653236.15	4188253.12	-0.00505
653237.87	4188228.46	-0.00475	653239.59	4188203.80	-0.00448
653241.31	4188179.14	-0.00423	653243.03	4188154.48	-0.00401
653244.75	4188129.82	-0.00381	653246.47	4188105.15	-0.00362
653248.19	4188080.49	-0.00345	653249.91	4188055.83	-0.00329
653251.63	4188031.17	-0.00315	653232.18	4188006.27	-0.00297
653211.02	4188006.03	-0.00293	653189.85	4188005.78	-0.00289
653157.49	4188039.24	-0.00300	653156.51	4188063.20	-0.00313
653155.54	4188087.17	-0.00327	653114.67	4188088.58	-0.00321
653092.77	4188087.94	-0.00319	653033.89	4188123.95	-0.00344
653032.91	4188142.11	-0.00356	653007.61	4188160.16	-0.00375
652983.28	4188160.04	-0.00381	652958.95	4188159.91	-0.00386
653604.00	4191168.00	-0.00100	653588.00	4190933.00	-0.00140
653594.00	4189999.00	-0.00703	653476.00	4189883.00	-0.00948
653354.00	4189808.00	-0.01294	653542.00	4189703.00	-0.00903
653628.00	4189498.00	-0.00828	653633.00	4189382.00	-0.00844

653629.00	4189120.00	-0.00881	653407.00	4188788.00	-0.01334
653666.00	4188604.00	-0.00678	653683.00	4188423.00	-0.00530
653572.00	4188259.00	-0.00461	653620.00	4187985.00	-0.00301
653337.00	4187981.00	-0.00304	652989.00	4188122.00	-0.00352
651751.00	4188075.00	-0.00149	651729.00	4188986.00	-0.00253
651726.00	4189755.00	-0.00326	652233.00	4190966.00	-0.00278

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE10 ***
INCLUDING SOURCE(S): L0002684 , L0002685 , L0002686 , L0002687 , L0002688 ,
L0002689 , L0002690 , L0002691 , L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00200	652658.00	4191223.00	-0.00155
653409.00	4191269.00	-0.00099			

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0002733 , L0002734 , L0002735 , L0002736 , L0002737 ,
L0002738 , L0002739 , L0002740 , L0002741 , L0002742 , L0002743 , L0002744 , L0002745 ,
L0002746 , L0002747 , L0002748 , L0002749 , L0002750 , L0002751 , L0002752 , L0002753 ,
L0002754 , L0002755 , L0002756 , L0002757 , L0002758 , L0002759 , L0002760 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00484	652891.80	4188749.57	-0.02060
652898.61	4188748.60	-0.02118	652730.73	4191196.29	-0.00178
653028.05	4191206.02	-0.00151	653168.20	4189206.02	-0.02676
653262.60	4189205.05	-0.01919	653289.85	4188796.29	-0.01852
653273.79	4188795.32	-0.01947	653278.66	4188701.89	-0.01900
653231.46	4188709.19	-0.02248	653231.94	4188697.51	-0.02241
653205.18	4188697.02	-0.02499	653253.35	4188006.51	-0.00373
653168.68	4188005.54	-0.00350	653158.46	4188015.27	-0.00354
653154.57	4188111.13	-0.00432	653138.03	4188112.11	-0.00427
653136.57	4188089.23	-0.00405	653070.87	4188087.29	-0.00391
653060.65	4188096.53	-0.00398	653048.49	4188105.78	-0.00406
653034.86	4188105.78	-0.00408	653031.94	4188160.28	-0.00461
652932.84	4188184.36	-0.00512	652931.05	4188208.94	-0.00543
652929.27	4188233.51	-0.00576	652927.48	4188258.09	-0.00612
652925.70	4188282.66	-0.00651	652923.92	4188307.24	-0.00693
652922.13	4188331.81	-0.00737	652920.35	4188356.38	-0.00785
652918.56	4188380.96	-0.00837	652916.78	4188405.53	-0.00895
652914.99	4188430.11	-0.00961	652913.21	4188454.68	-0.01035
652911.43	4188479.25	-0.01116	652909.64	4188503.83	-0.01203
652907.86	4188528.40	-0.01298	652906.07	4188552.98	-0.01404
652904.29	4188577.55	-0.01515	652902.51	4188602.13	-0.01623
652900.72	4188626.70	-0.01723	652898.94	4188651.27	-0.01814
652897.15	4188675.85	-0.01894	652895.37	4188700.42	-0.01960
652893.58	4188725.00	-0.02015	652896.91	4188773.32	-0.02156

652895.22	4188798.05	-0.02187	652893.52	4188822.77	-0.02214
652891.83	4188847.50	-0.02237	652890.13	4188872.22	-0.02256
652888.44	4188896.94	-0.02273	652886.74	4188921.67	-0.02288
652885.04	4188946.39	-0.02302	652883.35	4188971.12	-0.02314
652881.65	4188995.84	-0.02324	652879.96	4189020.57	-0.02334
652878.26	4189045.29	-0.02342	652876.57	4189070.01	-0.02350
652874.87	4189094.74	-0.02357	652873.17	4189119.46	-0.02363
652871.48	4189144.19	-0.02368	652869.78	4189168.91	-0.02373
652868.09	4189193.63	-0.02377	652866.39	4189218.36	-0.02381
652864.69	4189243.08	-0.02384	652863.00	4189267.81	-0.02387
652861.30	4189292.53	-0.02389	652859.61	4189317.26	-0.02392
652857.91	4189341.98	-0.02393	652856.22	4189366.70	-0.02394
652854.52	4189391.43	-0.02395	652852.82	4189416.15	-0.02396
652851.13	4189440.88	-0.02396	652849.43	4189465.60	-0.02396
652847.74	4189490.32	-0.02396	652846.04	4189515.05	-0.02395
652844.35	4189539.77	-0.02394	652842.65	4189564.50	-0.02392

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0002733 , L0002734 , L0002735 , L0002736 , L0002737 ,
L0002738 , L0002739 , L0002740 , L0002741 , L0002742 , L0002743 , L0002744 , L0002745 ,
L0002746 , L0002747 , L0002748 , L0002749 , L0002750 , L0002751 , L0002752 , L0002753 ,
L0002754 , L0002755 , L0002756 , L0002757 , L0002758 , L0002759 , L0002760 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.02391	652839.26	4189613.94	-0.02388
652837.56	4189638.67	-0.02386	652835.87	4189663.39	-0.02383
652834.17	4189688.12	-0.02380	652832.48	4189712.84	-0.02377
652830.78	4189737.57	-0.02373	652829.08	4189762.29	-0.02368
652827.39	4189787.01	-0.02364	652825.69	4189811.74	-0.02358
652824.00	4189836.46	-0.02353	652822.30	4189861.19	-0.02346
652820.61	4189885.91	-0.02340	652818.91	4189910.63	-0.02332
652817.21	4189935.36	-0.02324	652815.52	4189960.08	-0.02316
652813.82	4189984.81	-0.02306	652812.13	4190009.53	-0.02296
652810.43	4190034.26	-0.02285	652808.73	4190058.98	-0.02273
652807.04	4190083.70	-0.02261	652805.34	4190108.43	-0.02247
652803.65	4190133.15	-0.02231	652801.95	4190157.88	-0.02215
652800.26	4190182.60	-0.02197	652798.56	4190207.32	-0.02177
652796.86	4190232.05	-0.02156	652795.17	4190256.77	-0.02132
652793.47	4190281.50	-0.02106	652791.78	4190306.22	-0.02078
652790.08	4190330.95	-0.02046	652788.39	4190355.67	-0.02011
652786.69	4190380.39	-0.01973	652784.99	4190405.12	-0.01931
652783.30	4190429.84	-0.01887	652781.60	4190454.57	-0.01838
652779.91	4190479.29	-0.01786	652778.21	4190504.01	-0.01729
652776.52	4190528.74	-0.01666	652774.82	4190553.46	-0.01593
652773.12	4190578.19	-0.01511	652771.43	4190602.91	-0.01420
652769.73	4190627.63	-0.01323	652768.04	4190652.36	-0.01213
652766.34	4190677.08	-0.01092	652764.65	4190701.81	-0.00970
652762.95	4190726.53	-0.00853	652761.25	4190751.26	-0.00745
652759.56	4190775.98	-0.00651	652757.86	4190800.70	-0.00572
652756.17	4190825.43	-0.00507	652754.47	4190850.15	-0.00454
652752.77	4190874.88	-0.00411	652751.08	4190899.60	-0.00375
652749.38	4190924.32	-0.00345	652747.69	4190949.05	-0.00320

652745.99	4190973.77	-0.00297	652744.30	4190998.50	-0.00278
652742.60	4191023.22	-0.00261	652740.90	4191047.95	-0.00245
652739.21	4191072.67	-0.00231	652737.51	4191097.39	-0.00219
652735.82	4191122.12	-0.00207	652734.12	4191146.84	-0.00197
652732.43	4191171.57	-0.00187	652755.51	4191197.10	-0.00172
652780.28	4191197.91	-0.00166	652805.06	4191198.72	-0.00161
652829.84	4191199.53	-0.00158	652854.61	4191200.34	-0.00158
652879.39	4191201.16	-0.00158	652904.17	4191201.97	-0.00158
652928.94	4191202.78	-0.00158	652953.72	4191203.59	-0.00157
652978.50	4191204.40	-0.00155	653003.27	4191205.21	-0.00153
653029.78	4191181.33	-0.00156	653031.51	4191156.64	-0.00162
653033.24	4191131.95	-0.00169	653034.97	4191107.25	-0.00176

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0002733 , L0002734 , L0002735 , L0002736 , L0002737 ,
L0002738 , L0002739 , L0002740 , L0002741 , L0002742 , L0002743 , L0002744 , L0002745 ,
L0002746 , L0002747 , L0002748 , L0002749 , L0002750 , L0002751 , L0002752 , L0002753 ,
L0002754 , L0002755 , L0002756 , L0002757 , L0002758 , L0002759 , L0002760 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.00183	653038.43	4191057.87	-0.00192
653040.16	4191033.18	-0.00200	653041.89	4191008.49	-0.00210
653043.62	4190983.80	-0.00220	653045.35	4190959.11	-0.00232
653047.08	4190934.42	-0.00245	653048.81	4190909.72	-0.00259
653050.54	4190885.03	-0.00275	653052.27	4190860.34	-0.00292
653054.00	4190835.65	-0.00313	653055.73	4190810.96	-0.00336
653057.46	4190786.27	-0.00365	653059.19	4190761.58	-0.00401
653060.92	4190736.88	-0.00450	653062.65	4190712.19	-0.00519
653064.39	4190687.50	-0.00618	653066.12	4190662.81	-0.00751
653067.85	4190638.12	-0.00914	653069.58	4190613.43	-0.01094
653071.31	4190588.74	-0.01272	653073.04	4190564.04	-0.01437
653074.77	4190539.35	-0.01585	653076.50	4190514.66	-0.01713
653078.23	4190489.97	-0.01824	653079.96	4190465.28	-0.01919
653081.69	4190440.59	-0.01999	653083.42	4190415.90	-0.02068
653085.15	4190391.21	-0.02128	653086.88	4190366.51	-0.02179
653088.61	4190341.82	-0.02225	653090.34	4190317.13	-0.02265
653092.07	4190292.44	-0.02301	653093.80	4190267.75	-0.02333
653095.53	4190243.06	-0.02363	653097.26	4190218.37	-0.02389
653098.99	4190193.67	-0.02413	653100.72	4190168.98	-0.02435
653102.45	4190144.29	-0.02455	653104.18	4190119.60	-0.02474
653105.91	4190094.91	-0.02491	653107.64	4190070.22	-0.02506
653109.37	4190045.53	-0.02521	653111.10	4190020.83	-0.02534
653112.83	4189996.14	-0.02546	653114.56	4189971.45	-0.02558
653116.29	4189946.76	-0.02568	653118.02	4189922.07	-0.02578
653119.75	4189897.38	-0.02587	653121.48	4189872.69	-0.02596
653123.21	4189848.00	-0.02604	653124.94	4189823.30	-0.02611
653126.67	4189798.61	-0.02618	653128.40	4189773.92	-0.02624
653130.13	4189749.23	-0.02630	653131.86	4189724.54	-0.02635
653133.60	4189699.85	-0.02640	653135.33	4189675.16	-0.02645
653137.06	4189650.46	-0.02649	653138.79	4189625.77	-0.02653
653140.52	4189601.08	-0.02657	653142.25	4189576.39	-0.02660

653143.98	4189551.70	-0.02663	653145.71	4189527.01	-0.02666
653147.44	4189502.32	-0.02669	653149.17	4189477.62	-0.02671
653150.90	4189452.93	-0.02673	653152.63	4189428.24	-0.02674
653154.36	4189403.55	-0.02676	653156.09	4189378.86	-0.02677
653157.82	4189354.17	-0.02677	653159.55	4189329.48	-0.02678
653161.28	4189304.79	-0.02678	653163.01	4189280.09	-0.02678
653164.74	4189255.40	-0.02678	653166.47	4189230.71	-0.02677
653191.80	4189205.78	-0.02436	653215.40	4189205.54	-0.02236
653239.00	4189205.29	-0.02066	653264.20	4189181.01	-0.01919

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0002733 , L0002734 , L0002735 , L0002736 , L0002737 ,
L0002738 , L0002739 , L0002740 , L0002741 , L0002742 , L0002743 , L0002744 , L0002745 ,
L0002746 , L0002747 , L0002748 , L0002749 , L0002750 , L0002751 , L0002752 , L0002753 ,
L0002754 , L0002755 , L0002756 , L0002757 , L0002758 , L0002759 , L0002760 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.01918	653267.41	4189132.92	-0.01917
653269.01	4189108.87	-0.01916	653270.61	4189084.83	-0.01914
653272.22	4189060.78	-0.01912	653273.82	4189036.74	-0.01910
653275.42	4189012.69	-0.01907	653277.03	4188988.65	-0.01903
653278.63	4188964.60	-0.01899	653280.23	4188940.56	-0.01895
653281.84	4188916.51	-0.01889	653283.44	4188892.47	-0.01883
653285.04	4188868.42	-0.01877	653286.64	4188844.38	-0.01870
653288.25	4188820.33	-0.01861	653275.01	4188771.96	-0.01939
653276.23	4188748.61	-0.01928	653277.44	4188725.25	-0.01915
653255.06	4188705.54	-0.02060	653218.56	4188697.26	-0.02363
653206.90	4188672.36	-0.02472	653208.62	4188647.70	-0.02439
653210.34	4188623.04	-0.02394	653212.06	4188598.38	-0.02329
653213.78	4188573.71	-0.02236	653215.50	4188549.05	-0.02109
653217.22	4188524.39	-0.01949	653218.94	4188499.73	-0.01770
653220.66	4188475.07	-0.01591	653222.38	4188450.41	-0.01424
653224.10	4188425.75	-0.01274	653225.82	4188401.09	-0.01142
653227.54	4188376.43	-0.01030	653229.27	4188351.76	-0.00933
653230.99	4188327.10	-0.00852	653232.71	4188302.44	-0.00782
653234.43	4188277.78	-0.00721	653236.15	4188253.12	-0.00669
653237.87	4188228.46	-0.00623	653239.59	4188203.80	-0.00583
653241.31	4188179.14	-0.00547	653243.03	4188154.48	-0.00514
653244.75	4188129.82	-0.00485	653246.47	4188105.15	-0.00458
653248.19	4188080.49	-0.00434	653249.91	4188055.83	-0.00412
653251.63	4188031.17	-0.00392	653232.18	4188006.27	-0.00367
653211.02	4188006.03	-0.00361	653189.85	4188005.78	-0.00355
653157.49	4188039.24	-0.00371	653156.51	4188063.20	-0.00389
653155.54	4188087.17	-0.00410	653114.67	4188088.58	-0.00399
653092.77	4188087.94	-0.00394	653033.89	4188123.95	-0.00424
653032.91	4188142.11	-0.00442	653007.61	4188160.16	-0.00468
652983.28	4188160.04	-0.00475	652958.95	4188159.91	-0.00481
653604.00	4191168.00	-0.00115	653588.00	4190933.00	-0.00171
653594.00	4189999.00	-0.00729	653476.00	4189883.00	-0.00960
653354.00	4189808.00	-0.01285	653542.00	4189703.00	-0.00911
653628.00	4189498.00	-0.00836	653633.00	4189382.00	-0.00850
653629.00	4189120.00	-0.00889	653407.00	4188788.00	-0.01357

653666.00	4188604.00	-0.00747	653683.00	4188423.00	-0.00605
653572.00	4188259.00	-0.00546	653620.00	4187985.00	-0.00351
653337.00	4187981.00	-0.00369	652989.00	4188122.00	-0.00434
651751.00	4188075.00	-0.00170	651729.00	4188986.00	-0.00284
651726.00	4189755.00	-0.00358	652233.00	4190966.00	-0.00330

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE11 ***
INCLUDING SOURCE(S): L0002733 , L0002734 , L0002735 , L0002736 , L0002737 ,
L0002738 , L0002739 , L0002740 , L0002741 , L0002742 , L0002743 , L0002744 , L0002745 ,
L0002746 , L0002747 , L0002748 , L0002749 , L0002750 , L0002751 , L0002752 , L0002753 ,
L0002754 , L0002755 , L0002756 , L0002757 , L0002758 , L0002759 , L0002760 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00238	652658.00	4191223.00	-0.00184
653409.00	4191269.00	-0.00113			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0002787 , L0002788 , L0002789 , L0002790 , L0002791 ,
L0002792 , L0002793 , L0002794 , L0002795 , L0002796 , L0002797 , L0002798 , L0002799 ,
L0002800 , L0002801 , L0002802 , L0002803 , L0002804 , L0002805 , L0002806 , L0002807 ,
L0002808 , L0002809 , L0002810 , L0002811 , L0002812 , L0002813 , L0002814 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00593	652891.80	4188749.57	-0.03052
652898.61	4188748.60	-0.03166	652730.73	4191196.29	-0.00166
653028.05	4191206.02	-0.00147	653168.20	4189206.02	-0.02020
653262.60	4189205.05	-0.01554	653289.85	4188796.29	-0.01517
653273.79	4188795.32	-0.01580	653278.66	4188701.89	-0.01555
653231.46	4188709.19	-0.01772	653231.94	4188697.51	-0.01769
653205.18	4188697.02	-0.01919	653253.35	4188006.51	-0.00459
653168.68	4188005.54	-0.00448	653158.46	4188015.27	-0.00455
653154.57	4188111.13	-0.00577	653138.03	4188112.11	-0.00574
653136.57	4188089.23	-0.00539	653070.87	4188087.29	-0.00505
653060.65	4188096.53	-0.00513	653048.49	4188105.78	-0.00520
653034.86	4188105.78	-0.00513	653031.94	4188160.28	-0.00599
652932.84	4188184.36	-0.00638	652931.05	4188208.94	-0.00690
652929.27	4188233.51	-0.00751	652927.48	4188258.09	-0.00822
652925.70	4188282.66	-0.00904	652923.92	4188307.24	-0.00999
652922.13	4188331.81	-0.01108	652920.35	4188356.38	-0.01234
652918.56	4188380.96	-0.01381	652916.78	4188405.53	-0.01554
652914.99	4188430.11	-0.01758	652913.21	4188454.68	-0.02001
652911.43	4188479.25	-0.02246	652909.64	4188503.83	-0.02453
652907.86	4188528.40	-0.02609	652906.07	4188552.98	-0.02722
652904.29	4188577.55	-0.02805	652902.51	4188602.13	-0.02867
652900.72	4188626.70	-0.02916	652898.94	4188651.27	-0.02954
652897.15	4188675.85	-0.02985	652895.37	4188700.42	-0.03012
652893.58	4188725.00	-0.03033	652896.91	4188773.32	-0.03184
652895.22	4188798.05	-0.03197	652893.52	4188822.77	-0.03212

652891.83	4188847.50	-0.03224	652890.13	4188872.22	-0.03233
652888.44	4188896.94	-0.03245	652886.74	4188921.67	-0.03251
652885.04	4188946.39	-0.03259	652883.35	4188971.12	-0.03266
652881.65	4188995.84	-0.03270	652879.96	4189020.57	-0.03277
652878.26	4189045.29	-0.03281	652876.57	4189070.01	-0.03284
652874.87	4189094.74	-0.03290	652873.17	4189119.46	-0.03291
652871.48	4189144.19	-0.03295	652869.78	4189168.91	-0.03298
652868.09	4189193.63	-0.03299	652866.39	4189218.36	-0.03303
652864.69	4189243.08	-0.03302	652863.00	4189267.81	-0.03303
652861.30	4189292.53	-0.03306	652859.61	4189317.26	-0.03305
652857.91	4189341.98	-0.03306	652856.22	4189366.70	-0.03307
652854.52	4189391.43	-0.03305	652852.82	4189416.15	-0.03306
652851.13	4189440.88	-0.03305	652849.43	4189465.60	-0.03303
652847.74	4189490.32	-0.03304	652846.04	4189515.05	-0.03300
652844.35	4189539.77	-0.03300	652842.65	4189564.50	-0.03299

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0002787 , L0002788 , L0002789 , L0002790 , L0002791 ,
L0002792 , L0002793 , L0002794 , L0002795 , L0002796 , L0002797 , L0002798 , L0002799 ,
L0002800 , L0002801 , L0002802 , L0002803 , L0002804 , L0002805 , L0002806 , L0002807 ,
L0002808 , L0002809 , L0002810 , L0002811 , L0002812 , L0002813 , L0002814 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.03294	652839.26	4189613.94	-0.03295
652837.56	4189638.67	-0.03290	652835.87	4189663.39	-0.03287
652834.17	4189688.12	-0.03285	652832.48	4189712.84	-0.03280
652830.78	4189737.57	-0.03278	652829.08	4189762.29	-0.03273
652827.39	4189787.01	-0.03267	652825.69	4189811.74	-0.03265
652824.00	4189836.46	-0.03257	652822.30	4189861.19	-0.03252
652820.61	4189885.91	-0.03247	652818.91	4189910.63	-0.03238
652817.21	4189935.36	-0.03233	652815.52	4189960.08	-0.03225
652813.82	4189984.81	-0.03215	652812.13	4190009.53	-0.03208
652810.43	4190034.26	-0.03196	652808.73	4190058.98	-0.03186
652807.04	4190083.70	-0.03176	652805.34	4190108.43	-0.03161
652803.65	4190133.15	-0.03150	652801.95	4190157.88	-0.03134
652800.26	4190182.60	-0.03116	652798.56	4190207.32	-0.03101
652796.86	4190232.05	-0.03078	652795.17	4190256.77	-0.03057
652793.47	4190281.50	-0.03034	652791.78	4190306.22	-0.03004
652790.08	4190330.95	-0.02976	652788.39	4190355.67	-0.02940
652786.69	4190380.39	-0.02900	652784.99	4190405.12	-0.02857
652783.30	4190429.84	-0.02803	652781.60	4190454.57	-0.02744
652779.91	4190479.29	-0.02674	652778.21	4190504.01	-0.02588
652776.52	4190528.74	-0.02493	652774.82	4190553.46	-0.02376
652773.12	4190578.19	-0.02239	652771.43	4190602.91	-0.02082
652769.73	4190627.63	-0.01890	652768.04	4190652.36	-0.01667
652766.34	4190677.08	-0.01392	652764.65	4190701.81	-0.01117
652762.95	4190726.53	-0.00894	652761.25	4190751.26	-0.00732
652759.56	4190775.98	-0.00617	652757.86	4190800.70	-0.00533
652756.17	4190825.43	-0.00470	652754.47	4190850.15	-0.00420
652752.77	4190874.88	-0.00380	652751.08	4190899.60	-0.00347
652749.38	4190924.32	-0.00319	652747.69	4190949.05	-0.00295

652745.99	4190973.77	-0.00274	652744.30	4190998.50	-0.00256
652742.60	4191023.22	-0.00240	652740.90	4191047.95	-0.00226
652739.21	4191072.67	-0.00214	652737.51	4191097.39	-0.00202
652735.82	4191122.12	-0.00192	652734.12	4191146.84	-0.00183
652732.43	4191171.57	-0.00174	652755.51	4191197.10	-0.00163
652780.28	4191197.91	-0.00162	652805.06	4191198.72	-0.00163
652829.84	4191199.53	-0.00163	652854.61	4191200.34	-0.00163
652879.39	4191201.16	-0.00162	652904.17	4191201.97	-0.00160
652928.94	4191202.78	-0.00157	652953.72	4191203.59	-0.00155
652978.50	4191204.40	-0.00152	653003.27	4191205.21	-0.00150
653029.78	4191181.33	-0.00153	653031.51	4191156.64	-0.00158
653033.24	4191131.95	-0.00164	653034.97	4191107.25	-0.00171

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0002787 , L0002788 , L0002789 , L0002790 , L0002791 ,
L0002792 , L0002793 , L0002794 , L0002795 , L0002796 , L0002797 , L0002798 , L0002799 ,
L0002800 , L0002801 , L0002802 , L0002803 , L0002804 , L0002805 , L0002806 , L0002807 ,
L0002808 , L0002809 , L0002810 , L0002811 , L0002812 , L0002813 , L0002814 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.00178	653038.43	4191057.87	-0.00185
653040.16	4191033.18	-0.00194	653041.89	4191008.49	-0.00203
653043.62	4190983.80	-0.00212	653045.35	4190959.11	-0.00223
653047.08	4190934.42	-0.00235	653048.81	4190909.72	-0.00247
653050.54	4190885.03	-0.00262	653052.27	4190860.34	-0.00279
653054.00	4190835.65	-0.00299	653055.73	4190810.96	-0.00324
653057.46	4190786.27	-0.00355	653059.19	4190761.58	-0.00395
653060.92	4190736.88	-0.00447	653062.65	4190712.19	-0.00511
653064.39	4190687.50	-0.00588	653066.12	4190662.81	-0.00677
653067.85	4190638.12	-0.00774	653069.58	4190613.43	-0.00873
653071.31	4190588.74	-0.00971	653073.04	4190564.04	-0.01063
653074.77	4190539.35	-0.01149	653076.50	4190514.66	-0.01228
653078.23	4190489.97	-0.01301	653079.96	4190465.28	-0.01366
653081.69	4190440.59	-0.01425	653083.42	4190415.90	-0.01477
653085.15	4190391.21	-0.01524	653086.88	4190366.51	-0.01566
653088.61	4190341.82	-0.01604	653090.34	4190317.13	-0.01638
653092.07	4190292.44	-0.01668	653093.80	4190267.75	-0.01696
653095.53	4190243.06	-0.01721	653097.26	4190218.37	-0.01744
653098.99	4190193.67	-0.01765	653100.72	4190168.98	-0.01784
653102.45	4190144.29	-0.01802	653104.18	4190119.60	-0.01819
653105.91	4190094.91	-0.01834	653107.64	4190070.22	-0.01849
653109.37	4190045.53	-0.01862	653111.10	4190020.83	-0.01875
653112.83	4189996.14	-0.01887	653114.56	4189971.45	-0.01898
653116.29	4189946.76	-0.01908	653118.02	4189922.07	-0.01917
653119.75	4189897.38	-0.01926	653121.48	4189872.69	-0.01935
653123.21	4189848.00	-0.01943	653124.94	4189823.30	-0.01950
653126.67	4189798.61	-0.01957	653128.40	4189773.92	-0.01963
653130.13	4189749.23	-0.01969	653131.86	4189724.54	-0.01974
653133.60	4189699.85	-0.01979	653135.33	4189675.16	-0.01984
653137.06	4189650.46	-0.01989	653138.79	4189625.77	-0.01993
653140.52	4189601.08	-0.01996	653142.25	4189576.39	-0.02000
653143.98	4189551.70	-0.02003	653145.71	4189527.01	-0.02006

653147.44	4189502.32	-0.02008	653149.17	4189477.62	-0.02011
653150.90	4189452.93	-0.02013	653152.63	4189428.24	-0.02015
653154.36	4189403.55	-0.02016	653156.09	4189378.86	-0.02018
653157.82	4189354.17	-0.02019	653159.55	4189329.48	-0.02019
653161.28	4189304.79	-0.02020	653163.01	4189280.09	-0.02020
653164.74	4189255.40	-0.02021	653166.47	4189230.71	-0.02020
653191.80	4189205.78	-0.01880	653215.40	4189205.54	-0.01758
653239.00	4189205.29	-0.01650	653264.20	4189181.01	-0.01555

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0002787 , L0002788 , L0002789 , L0002790 , L0002791 ,
L0002792 , L0002793 , L0002794 , L0002795 , L0002796 , L0002797 , L0002798 , L0002799 ,
L0002800 , L0002801 , L0002802 , L0002803 , L0002804 , L0002805 , L0002806 , L0002807 ,
L0002808 , L0002809 , L0002810 , L0002811 , L0002812 , L0002813 , L0002814 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.01555	653267.41	4189132.92	-0.01554
653269.01	4189108.87	-0.01554	653270.61	4189084.83	-0.01553
653272.22	4189060.78	-0.01552	653273.82	4189036.74	-0.01551
653275.42	4189012.69	-0.01549	653277.03	4188988.65	-0.01547
653278.63	4188964.60	-0.01544	653280.23	4188940.56	-0.01542
653281.84	4188916.51	-0.01539	653283.44	4188892.47	-0.01535
653285.04	4188868.42	-0.01531	653286.64	4188844.38	-0.01527
653288.25	4188820.33	-0.01522	653275.01	4188771.96	-0.01575
653276.23	4188748.61	-0.01569	653277.44	4188725.25	-0.01563
653255.06	4188705.54	-0.01657	653218.56	4188697.26	-0.01841
653206.90	4188672.36	-0.01907	653208.62	4188647.70	-0.01892
653210.34	4188623.04	-0.01875	653212.06	4188598.38	-0.01853
653213.78	4188573.71	-0.01827	653215.50	4188549.05	-0.01792
653217.22	4188524.39	-0.01747	653218.94	4188499.73	-0.01690
653220.66	4188475.07	-0.01620	653222.38	4188450.41	-0.01538
653224.10	4188425.75	-0.01447	653225.82	4188401.09	-0.01350
653227.54	4188376.43	-0.01254	653229.27	4188351.76	-0.01161
653230.99	4188327.10	-0.01074	653232.71	4188302.44	-0.00993
653234.43	4188277.78	-0.00919	653236.15	4188253.12	-0.00852
653237.87	4188228.46	-0.00791	653239.59	4188203.80	-0.00736
653241.31	4188179.14	-0.00687	653243.03	4188154.48	-0.00644
653244.75	4188129.82	-0.00605	653246.47	4188105.15	-0.00569
653248.19	4188080.49	-0.00538	653249.91	4188055.83	-0.00509
653251.63	4188031.17	-0.00483	653232.18	4188006.27	-0.00458
653211.02	4188006.03	-0.00456	653189.85	4188005.78	-0.00453
653157.49	4188039.24	-0.00481	653156.51	4188063.20	-0.00510
653155.54	4188087.17	-0.00542	653114.67	4188088.58	-0.00529
653092.77	4188087.94	-0.00517	653033.89	4188123.95	-0.00539
653032.91	4188142.11	-0.00567	653007.61	4188160.16	-0.00586
652983.28	4188160.04	-0.00581	652958.95	4188159.91	-0.00585
653604.00	4191168.00	-0.00114	653588.00	4190933.00	-0.00170
653594.00	4189999.00	-0.00645	653476.00	4189883.00	-0.00833
653354.00	4189808.00	-0.01084	653542.00	4189703.00	-0.00801
653628.00	4189498.00	-0.00745	653633.00	4189382.00	-0.00759
653629.00	4189120.00	-0.00795	653407.00	4188788.00	-0.01171

653666.00	4188604.00	-0.00711	653683.00	4188423.00	-0.00609
653572.00	4188259.00	-0.00579	653620.00	4187985.00	-0.00385
653337.00	4187981.00	-0.00433	652989.00	4188122.00	-0.00523
651751.00	4188075.00	-0.00193	651729.00	4188986.00	-0.00323
651726.00	4189755.00	-0.00396	652233.00	4190966.00	-0.00350

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE12 ***
INCLUDING SOURCE(S): L0002787 , L0002788 , L0002789 , L0002790 , L0002791 ,
L0002792 , L0002793 , L0002794 , L0002795 , L0002796 , L0002797 , L0002798 , L0002799 ,
L0002800 , L0002801 , L0002802 , L0002803 , L0002804 , L0002805 , L0002806 , L0002807 ,
L0002808 , L0002809 , L0002810 , L0002811 , L0002812 , L0002813 , L0002814 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00244	652658.00	4191223.00	-0.00173
653409.00	4191269.00	-0.00110			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 390
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0002843 , L0002844 , L0002845 , L0002846 , L0002847 ,
L0002848 , L0002849 , L0002850 , L0002851 , L0002852 , L0002853 , L0002854 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00009	652891.80	4188749.57	0.00014
652898.61	4188748.60	0.00014	652730.73	4191196.29	0.00294
653028.05	4191206.02	0.00343	653168.20	4189206.02	0.00020
653262.60	4189205.05	0.00021	653289.85	4188796.29	0.00015
653273.79	4188795.32	0.00015	653278.66	4188701.89	0.00014
653231.46	4188709.19	0.00013	653231.94	4188697.51	0.00013
653205.18	4188697.02	0.00013	653253.35	4188006.51	0.00008
653168.68	4188005.54	0.00008	653158.46	4188015.27	0.00008
653154.57	4188111.13	0.00009	653138.03	4188112.11	0.00009
653136.57	4188089.23	0.00009	653070.87	4188087.29	0.00009
653060.65	4188096.53	0.00009	653048.49	4188105.78	0.00009
653034.86	4188105.78	0.00009	653031.94	4188160.28	0.00009
652932.84	4188184.36	0.00009	652931.05	4188208.94	0.00009
652929.27	4188233.51	0.00010	652927.48	4188258.09	0.00010
652925.70	4188282.66	0.00010	652923.92	4188307.24	0.00010
652922.13	4188331.81	0.00010	652920.35	4188356.38	0.00010
652918.56	4188380.96	0.00011	652916.78	4188405.53	0.00011
652914.99	4188430.11	0.00011	652913.21	4188454.68	0.00011
652911.43	4188479.25	0.00011	652909.64	4188503.83	0.00011
652907.86	4188528.40	0.00012	652906.07	4188552.98	0.00012
652904.29	4188577.55	0.00012	652902.51	4188602.13	0.00012
652900.72	4188626.70	0.00013	652898.94	4188651.27	0.00013
652897.15	4188675.85	0.00013	652895.37	4188700.42	0.00013
652893.58	4188725.00	0.00014	652896.91	4188773.32	0.00014
652895.22	4188798.05	0.00014	652893.52	4188822.77	0.00015
652891.83	4188847.50	0.00015	652890.13	4188872.22	0.00015
652888.44	4188896.94	0.00016	652886.74	4188921.67	0.00016
652885.04	4188946.39	0.00016	652883.35	4188971.12	0.00017

652881.65	4188995.84	0.00017	652879.96	4189020.57	0.00017
652878.26	4189045.29	0.00018	652876.57	4189070.01	0.00018
652874.87	4189094.74	0.00019	652873.17	4189119.46	0.00019
652871.48	4189144.19	0.00020	652869.78	4189168.91	0.00020
652868.09	4189193.63	0.00021	652866.39	4189218.36	0.00021
652864.69	4189243.08	0.00022	652863.00	4189267.81	0.00022
652861.30	4189292.53	0.00023	652859.61	4189317.26	0.00024
652857.91	4189341.98	0.00024	652856.22	4189366.70	0.00025
652854.52	4189391.43	0.00026	652852.82	4189416.15	0.00027
652851.13	4189440.88	0.00027	652849.43	4189465.60	0.00028
652847.74	4189490.32	0.00029	652846.04	4189515.05	0.00030
652844.35	4189539.77	0.00031	652842.65	4189564.50	0.00032

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0002843 , L0002844 , L0002845 , L0002846 , L0002847 ,
L0002848 , L0002849 , L0002850 , L0002851 , L0002852 , L0002853 , L0002854 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00033	652839.26	4189613.94	0.00034
652837.56	4189638.67	0.00036	652835.87	4189663.39	0.00037
652834.17	4189688.12	0.00038	652832.48	4189712.84	0.00040
652830.78	4189737.57	0.00041	652829.08	4189762.29	0.00042
652827.39	4189787.01	0.00044	652825.69	4189811.74	0.00046
652824.00	4189836.46	0.00048	652822.30	4189861.19	0.00050
652820.61	4189885.91	0.00052	652818.91	4189910.63	0.00054
652817.21	4189935.36	0.00056	652815.52	4189960.08	0.00058
652813.82	4189984.81	0.00061	652812.13	4190009.53	0.00064
652810.43	4190034.26	0.00066	652808.73	4190058.98	0.00070
652807.04	4190083.70	0.00073	652805.34	4190108.43	0.00076
652803.65	4190133.15	0.00080	652801.95	4190157.88	0.00084
652800.26	4190182.60	0.00089	652798.56	4190207.32	0.00094
652796.86	4190232.05	0.00099	652795.17	4190256.77	0.00104
652793.47	4190281.50	0.00109	652791.78	4190306.22	0.00115
652790.08	4190330.95	0.00121	652788.39	4190355.67	0.00128
652786.69	4190380.39	0.00134	652784.99	4190405.12	0.00141
652783.30	4190429.84	0.00148	652781.60	4190454.57	0.00156
652779.91	4190479.29	0.00165	652778.21	4190504.01	0.00174
652776.52	4190528.74	0.00184	652774.82	4190553.46	0.00196
652773.12	4190578.19	0.00208	652771.43	4190602.91	0.00220
652769.73	4190627.63	0.00233	652768.04	4190652.36	0.00247
652766.34	4190677.08	0.00262	652764.65	4190701.81	0.00278
652762.95	4190726.53	0.00295	652761.25	4190751.26	0.00310
652759.56	4190775.98	0.00325	652757.86	4190800.70	0.00338
652756.17	4190825.43	0.00350	652754.47	4190850.15	0.00359
652752.77	4190874.88	0.00367	652751.08	4190899.60	0.00372
652749.38	4190924.32	0.00376	652747.69	4190949.05	0.00377
652745.99	4190973.77	0.00376	652744.30	4190998.50	0.00374
652742.60	4191023.22	0.00370	652740.90	4191047.95	0.00364
652739.21	4191072.67	0.00356	652737.51	4191097.39	0.00346
652735.82	4191122.12	0.00335	652734.12	4191146.84	0.00322
652732.43	4191171.57	0.00309	652755.51	4191197.10	0.00315
652780.28	4191197.91	0.00337	652805.06	4191198.72	0.00363

652829.84	4191199.53	0.00393	652854.61	4191200.34	0.00428
652879.39	4191201.16	0.00464	652904.17	4191201.97	0.00304
652928.94	4191202.78	0.00259	652953.72	4191203.59	0.00212
652978.50	4191204.40	0.00190	653003.27	4191205.21	0.00380
653029.78	4191181.33	0.00483	653031.51	4191156.64	0.00616
653033.24	4191131.95	0.00725	653034.97	4191107.25	0.00807

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0002843 , L0002844 , L0002845 , L0002846 , L0002847 ,
L0002848 , L0002849 , L0002850 , L0002851 , L0002852 , L0002853 , L0002854 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00870	653038.43	4191057.87	0.00917
653040.16	4191033.18	0.00953	653041.89	4191008.49	0.00982
653043.62	4190983.80	0.01005	653045.35	4190959.11	0.01023
653047.08	4190934.42	0.01038	653048.81	4190909.72	0.01049
653050.54	4190885.03	0.01057	653052.27	4190860.34	0.01064
653054.00	4190835.65	0.01067	653055.73	4190810.96	0.01068
653057.46	4190786.27	0.01067	653059.19	4190761.58	0.01062
653060.92	4190736.88	0.01052	653062.65	4190712.19	0.01032
653064.39	4190687.50	0.00991	653066.12	4190662.81	0.00910
653067.85	4190638.12	0.00784	653069.58	4190613.43	0.00647
653071.31	4190588.74	0.00527	653073.04	4190564.04	0.00435
653074.77	4190539.35	0.00365	653076.50	4190514.66	0.00312
653078.23	4190489.97	0.00272	653079.96	4190465.28	0.00239
653081.69	4190440.59	0.00213	653083.42	4190415.90	0.00191
653085.15	4190391.21	0.00173	653086.88	4190366.51	0.00158
653088.61	4190341.82	0.00144	653090.34	4190317.13	0.00133
653092.07	4190292.44	0.00123	653093.80	4190267.75	0.00114
653095.53	4190243.06	0.00106	653097.26	4190218.37	0.00099
653098.99	4190193.67	0.00093	653100.72	4190168.98	0.00087
653102.45	4190144.29	0.00082	653104.18	4190119.60	0.00077
653105.91	4190094.91	0.00073	653107.64	4190070.22	0.00069
653109.37	4190045.53	0.00066	653111.10	4190020.83	0.00063
653112.83	4189996.14	0.00060	653114.56	4189971.45	0.00057
653116.29	4189946.76	0.00054	653118.02	4189922.07	0.00052
653119.75	4189897.38	0.00050	653121.48	4189872.69	0.00048
653123.21	4189848.00	0.00046	653124.94	4189823.30	0.00044
653126.67	4189798.61	0.00042	653128.40	4189773.92	0.00041
653130.13	4189749.23	0.00039	653131.86	4189724.54	0.00038
653133.60	4189699.85	0.00037	653135.33	4189675.16	0.00035
653137.06	4189650.46	0.00034	653138.79	4189625.77	0.00033
653140.52	4189601.08	0.00032	653142.25	4189576.39	0.00031
653143.98	4189551.70	0.00030	653145.71	4189527.01	0.00029
653147.44	4189502.32	0.00028	653149.17	4189477.62	0.00027
653150.90	4189452.93	0.00027	653152.63	4189428.24	0.00026
653154.36	4189403.55	0.00025	653156.09	4189378.86	0.00025
653157.82	4189354.17	0.00024	653159.55	4189329.48	0.00023
653161.28	4189304.79	0.00023	653163.01	4189280.09	0.00022
653164.74	4189255.40	0.00022	653166.47	4189230.71	0.00021
653191.80	4189205.78	0.00021	653215.40	4189205.54	0.00021
653239.00	4189205.29	0.00021	653264.20	4189181.01	0.00021

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0002843 , L0002844 , L0002845 , L0002846 , L0002847 ,
L0002848 , L0002849 , L0002850 , L0002851 , L0002852 , L0002853 , L0002854 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00020	653267.41	4189132.92	0.00020
653269.01	4189108.87	0.00019	653270.61	4189084.83	0.00019
653272.22	4189060.78	0.00018	653273.82	4189036.74	0.00018
653275.42	4189012.69	0.00018	653277.03	4188988.65	0.00017
653278.63	4188964.60	0.00017	653280.23	4188940.56	0.00017
653281.84	4188916.51	0.00016	653283.44	4188892.47	0.00016
653285.04	4188868.42	0.00016	653286.64	4188844.38	0.00015
653288.25	4188820.33	0.00015	653275.01	4188771.96	0.00014
653276.23	4188748.61	0.00014	653277.44	4188725.25	0.00014
653255.06	4188705.54	0.00013	653218.56	4188697.26	0.00013
653206.90	4188672.36	0.00013	653208.62	4188647.70	0.00013
653210.34	4188623.04	0.00013	653212.06	4188598.38	0.00012
653213.78	4188573.71	0.00012	653215.50	4188549.05	0.00012
653217.22	4188524.39	0.00012	653218.94	4188499.73	0.00011
653220.66	4188475.07	0.00011	653222.38	4188450.41	0.00011
653224.10	4188425.75	0.00011	653225.82	4188401.09	0.00011
653227.54	4188376.43	0.00011	653229.27	4188351.76	0.00010
653230.99	4188327.10	0.00010	653232.71	4188302.44	0.00010
653234.43	4188277.78	0.00010	653236.15	4188253.12	0.00010
653237.87	4188228.46	0.00010	653239.59	4188203.80	0.00009
653241.31	4188179.14	0.00009	653243.03	4188154.48	0.00009
653244.75	4188129.82	0.00009	653246.47	4188105.15	0.00009
653248.19	4188080.49	0.00009	653249.91	4188055.83	0.00009
653251.63	4188031.17	0.00009	653232.18	4188006.27	0.00008
653211.02	4188006.03	0.00008	653189.85	4188005.78	0.00008
653157.49	4188039.24	0.00009	653156.51	4188063.20	0.00009
653155.54	4188087.17	0.00009	653114.67	4188088.58	0.00009
653092.77	4188087.94	0.00009	653033.89	4188123.95	0.00009
653032.91	4188142.11	0.00009	653007.61	4188160.16	0.00009
652983.28	4188160.04	0.00009	652958.95	4188159.91	0.00009
653604.00	4191168.00	0.00100	653588.00	4190933.00	0.00154
653594.00	4189999.00	0.00060	653476.00	4189883.00	0.00054
653354.00	4189808.00	0.00049	653542.00	4189703.00	0.00042
653628.00	4189498.00	0.00032	653633.00	4189382.00	0.00029
653629.00	4189120.00	0.00022	653407.00	4188788.00	0.00015
653666.00	4188604.00	0.00014	653683.00	4188423.00	0.00012
653572.00	4188259.00	0.00011	653620.00	4187985.00	0.00009
653337.00	4187981.00	0.00008	652989.00	4188122.00	0.00009
651751.00	4188075.00	0.00010	651729.00	4188986.00	0.00013
651726.00	4189755.00	0.00019	652233.00	4190966.00	0.00093

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE13 ***
INCLUDING SOURCE(S): L0002843 , L0002844 , L0002845 , L0002846 , L0002847 ,
L0002848 , L0002849 , L0002850 , L0002851 , L0002852 , L0002853 , L0002854 ,

Lathrop4b
*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00085	652658.00	4191223.00	0.00234
653409.00	4191269.00	0.00097			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0002855 , L0002856 , L0002857 , L0002858 , L0002859 ,
L0002860 , L0002861 , L0002862 , L0002863 , L0002864 , L0002865 , L0002866 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00019	652891.80	4188749.57	-0.00028
652898.61	4188748.60	-0.00028	652730.73	4191196.29	-0.00916
653028.05	4191206.02	-0.00620	653168.20	4189206.02	-0.00043
653262.60	4189205.05	-0.00045	653289.85	4188796.29	-0.00031
653273.79	4188795.32	-0.00030	653278.66	4188701.89	-0.00028
653231.46	4188709.19	-0.00028	653231.94	4188697.51	-0.00028
653205.18	4188697.02	-0.00028	653253.35	4188006.51	-0.00017
653168.68	4188005.54	-0.00017	653158.46	4188015.27	-0.00017
653154.57	4188111.13	-0.00018	653138.03	4188112.11	-0.00018
653136.57	4188089.23	-0.00018	653070.87	4188087.29	-0.00018
653060.65	4188096.53	-0.00018	653048.49	4188105.78	-0.00018
653034.86	4188105.78	-0.00018	653031.94	4188160.28	-0.00019
652932.84	4188184.36	-0.00019	652931.05	4188208.94	-0.00019
652929.27	4188233.51	-0.00020	652927.48	4188258.09	-0.00020
652925.70	4188282.66	-0.00020	652923.92	4188307.24	-0.00021
652922.13	4188331.81	-0.00021	652920.35	4188356.38	-0.00021
652918.56	4188380.96	-0.00022	652916.78	4188405.53	-0.00022
652914.99	4188430.11	-0.00022	652913.21	4188454.68	-0.00023
652911.43	4188479.25	-0.00023	652909.64	4188503.83	-0.00023
652907.86	4188528.40	-0.00024	652906.07	4188552.98	-0.00024
652904.29	4188577.55	-0.00025	652902.51	4188602.13	-0.00025
652900.72	4188626.70	-0.00026	652898.94	4188651.27	-0.00026
652897.15	4188675.85	-0.00027	652895.37	4188700.42	-0.00027
652893.58	4188725.00	-0.00028	652896.91	4188773.32	-0.00029
652895.22	4188798.05	-0.00029	652893.52	4188822.77	-0.00030
652891.83	4188847.50	-0.00030	652890.13	4188872.22	-0.00031
652888.44	4188896.94	-0.00032	652886.74	4188921.67	-0.00032
652885.04	4188946.39	-0.00033	652883.35	4188971.12	-0.00034
652881.65	4188995.84	-0.00034	652879.96	4189020.57	-0.00035
652878.26	4189045.29	-0.00036	652876.57	4189070.01	-0.00037
652874.87	4189094.74	-0.00038	652873.17	4189119.46	-0.00038
652871.48	4189144.19	-0.00039	652869.78	4189168.91	-0.00040
652868.09	4189193.63	-0.00041	652866.39	4189218.36	-0.00042
652864.69	4189243.08	-0.00044	652863.00	4189267.81	-0.00045
652861.30	4189292.53	-0.00046	652859.61	4189317.26	-0.00047
652857.91	4189341.98	-0.00048	652856.22	4189366.70	-0.00050
652854.52	4189391.43	-0.00051	652852.82	4189416.15	-0.00053
652851.13	4189440.88	-0.00054	652849.43	4189465.60	-0.00056
652847.74	4189490.32	-0.00058	652846.04	4189515.05	-0.00060
652844.35	4189539.77	-0.00062	652842.65	4189564.50	-0.00064

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0002855 , L0002856 , L0002857 , L0002858 , L0002859 ,
L0002860 , L0002861 , L0002862 , L0002863 , L0002864 , L0002865 , L0002866 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.00066	652839.26	4189613.94	-0.00068
652837.56	4189638.67	-0.00070	652835.87	4189663.39	-0.00073
652834.17	4189688.12	-0.00076	652832.48	4189712.84	-0.00078
652830.78	4189737.57	-0.00082	652829.08	4189762.29	-0.00085
652827.39	4189787.01	-0.00088	652825.69	4189811.74	-0.00092
652824.00	4189836.46	-0.00096	652822.30	4189861.19	-0.00100
652820.61	4189885.91	-0.00104	652818.91	4189910.63	-0.00109
652817.21	4189935.36	-0.00114	652815.52	4189960.08	-0.00119
652813.82	4189984.81	-0.00124	652812.13	4190009.53	-0.00130
652810.43	4190034.26	-0.00137	652808.73	4190058.98	-0.00143
652807.04	4190083.70	-0.00151	652805.34	4190108.43	-0.00159
652803.65	4190133.15	-0.00167	652801.95	4190157.88	-0.00176
652800.26	4190182.60	-0.00186	652798.56	4190207.32	-0.00197
652796.86	4190232.05	-0.00208	652795.17	4190256.77	-0.00221
652793.47	4190281.50	-0.00235	652791.78	4190306.22	-0.00250
652790.08	4190330.95	-0.00266	652788.39	4190355.67	-0.00285
652786.69	4190380.39	-0.00304	652784.99	4190405.12	-0.00326
652783.30	4190429.84	-0.00349	652781.60	4190454.57	-0.00374
652779.91	4190479.29	-0.00400	652778.21	4190504.01	-0.00427
652776.52	4190528.74	-0.00457	652774.82	4190553.46	-0.00489
652773.12	4190578.19	-0.00524	652771.43	4190602.91	-0.00565
652769.73	4190627.63	-0.00611	652768.04	4190652.36	-0.00663
652766.34	4190677.08	-0.00719	652764.65	4190701.81	-0.00777
652762.95	4190726.53	-0.00841	652761.25	4190751.26	-0.00913
652759.56	4190775.98	-0.00989	652757.86	4190800.70	-0.01062
652756.17	4190825.43	-0.01128	652754.47	4190850.15	-0.01187
652752.77	4190874.88	-0.01236	652751.08	4190899.60	-0.01273
652749.38	4190924.32	-0.01298	652747.69	4190949.05	-0.01312
652745.99	4190973.77	-0.01315	652744.30	4190998.50	-0.01308
652742.60	4191023.22	-0.01291	652740.90	4191047.95	-0.01265
652739.21	4191072.67	-0.01228	652737.51	4191097.39	-0.01181
652735.82	4191122.12	-0.01125	652734.12	4191146.84	-0.01064
652732.43	4191171.57	-0.00995	652755.51	4191197.10	-0.00992
652780.28	4191197.91	-0.01077	652805.06	4191198.72	-0.01168
652829.84	4191199.53	-0.01255	652854.61	4191200.34	-0.01298
652879.39	4191201.16	-0.01179	652904.17	4191201.97	-0.00880
652928.94	4191202.78	-0.00779	652953.72	4191203.59	-0.00757
652978.50	4191204.40	-0.00712	653003.27	4191205.21	-0.00666
653029.78	4191181.33	-0.00828	653031.51	4191156.64	-0.01077
653033.24	4191131.95	-0.01330	653034.97	4191107.25	-0.01559

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0002855 , L0002856 , L0002857 , L0002858 , L0002859 ,
L0002860 , L0002861 , L0002862 , L0002863 , L0002864 , L0002865 , L0002866 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.01754	653038.43	4191057.87	-0.01914
653040.16	4191033.18	-0.02044	653041.89	4191008.49	-0.02146
653043.62	4190983.80	-0.02227	653045.35	4190959.11	-0.02290
653047.08	4190934.42	-0.02339	653048.81	4190909.72	-0.02375
653050.54	4190885.03	-0.02399	653052.27	4190860.34	-0.02411
653054.00	4190835.65	-0.02409	653055.73	4190810.96	-0.02386
653057.46	4190786.27	-0.02327	653059.19	4190761.58	-0.02214
653060.92	4190736.88	-0.02034	653062.65	4190712.19	-0.01802
653064.39	4190687.50	-0.01556	653066.12	4190662.81	-0.01328
653067.85	4190638.12	-0.01131	653069.58	4190613.43	-0.00968
653071.31	4190588.74	-0.00836	653073.04	4190564.04	-0.00729
653074.77	4190539.35	-0.00642	653076.50	4190514.66	-0.00571
653078.23	4190489.97	-0.00512	653079.96	4190465.28	-0.00462
653081.69	4190440.59	-0.00419	653083.42	4190415.90	-0.00382
653085.15	4190391.21	-0.00349	653086.88	4190366.51	-0.00321
653088.61	4190341.82	-0.00296	653090.34	4190317.13	-0.00274
653092.07	4190292.44	-0.00254	653093.80	4190267.75	-0.00237
653095.53	4190243.06	-0.00221	653097.26	4190218.37	-0.00207
653098.99	4190193.67	-0.00194	653100.72	4190168.98	-0.00182
653102.45	4190144.29	-0.00172	653104.18	4190119.60	-0.00162
653105.91	4190094.91	-0.00154	653107.64	4190070.22	-0.00146
653109.37	4190045.53	-0.00138	653111.10	4190020.83	-0.00132
653112.83	4189996.14	-0.00125	653114.56	4189971.45	-0.00120
653116.29	4189946.76	-0.00114	653118.02	4189922.07	-0.00109
653119.75	4189897.38	-0.00105	653121.48	4189872.69	-0.00100
653123.21	4189848.00	-0.00096	653124.94	4189823.30	-0.00092
653126.67	4189798.61	-0.00089	653128.40	4189773.92	-0.00086
653130.13	4189749.23	-0.00082	653131.86	4189724.54	-0.00080
653133.60	4189699.85	-0.00077	653135.33	4189675.16	-0.00074
653137.06	4189650.46	-0.00072	653138.79	4189625.77	-0.00069
653140.52	4189601.08	-0.00067	653142.25	4189576.39	-0.00065
653143.98	4189551.70	-0.00063	653145.71	4189527.01	-0.00061
653147.44	4189502.32	-0.00059	653149.17	4189477.62	-0.00057
653150.90	4189452.93	-0.00056	653152.63	4189428.24	-0.00054
653154.36	4189403.55	-0.00053	653156.09	4189378.86	-0.00051
653157.82	4189354.17	-0.00050	653159.55	4189329.48	-0.00049
653161.28	4189304.79	-0.00047	653163.01	4189280.09	-0.00046
653164.74	4189255.40	-0.00045	653166.47	4189230.71	-0.00044
653191.80	4189205.78	-0.00043	653215.40	4189205.54	-0.00044
653239.00	4189205.29	-0.00044	653264.20	4189181.01	-0.00043

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0002855 , L0002856 , L0002857 , L0002858 , L0002859 ,
L0002860 , L0002861 , L0002862 , L0002863 , L0002864 , L0002865 , L0002866 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.00042	653267.41	4189132.92	-0.00041
653269.01	4189108.87	-0.00040	653270.61	4189084.83	-0.00040
653272.22	4189060.78	-0.00039	653273.82	4189036.74	-0.00038
653275.42	4189012.69	-0.00037	653277.03	4188988.65	-0.00036

653278.63	4188964.60	-0.00035	653280.23	4188940.56	-0.00035
653281.84	4188916.51	-0.00034	653283.44	4188892.47	-0.00033
653285.04	4188868.42	-0.00033	653286.64	4188844.38	-0.00032
653288.25	4188820.33	-0.00031	653275.01	4188771.96	-0.00030
653276.23	4188748.61	-0.00029	653277.44	4188725.25	-0.00029
653255.06	4188705.54	-0.00028	653218.56	4188697.26	-0.00028
653206.90	4188672.36	-0.00027	653208.62	4188647.70	-0.00027
653210.34	4188623.04	-0.00026	653212.06	4188598.38	-0.00026
653213.78	4188573.71	-0.00025	653215.50	4188549.05	-0.00025
653217.22	4188524.39	-0.00024	653218.94	4188499.73	-0.00024
653220.66	4188475.07	-0.00023	653222.38	4188450.41	-0.00023
653224.10	4188425.75	-0.00023	653225.82	4188401.09	-0.00022
653227.54	4188376.43	-0.00022	653229.27	4188351.76	-0.00022
653230.99	4188327.10	-0.00021	653232.71	4188302.44	-0.00021
653234.43	4188277.78	-0.00021	653236.15	4188253.12	-0.00020
653237.87	4188228.46	-0.00020	653239.59	4188203.80	-0.00020
653241.31	4188179.14	-0.00019	653243.03	4188154.48	-0.00019
653244.75	4188129.82	-0.00019	653246.47	4188105.15	-0.00019
653248.19	4188080.49	-0.00018	653249.91	4188055.83	-0.00018
653251.63	4188031.17	-0.00018	653232.18	4188006.27	-0.00017
653211.02	4188006.03	-0.00017	653189.85	4188005.78	-0.00017
653157.49	4188039.24	-0.00018	653156.51	4188063.20	-0.00018
653155.54	4188087.17	-0.00018	653114.67	4188088.58	-0.00018
653092.77	4188087.94	-0.00018	653033.89	4188123.95	-0.00019
653032.91	4188142.11	-0.00019	653007.61	4188160.16	-0.00019
652983.28	4188160.04	-0.00019	652958.95	4188159.91	-0.00019
653604.00	4191168.00	-0.00217	653588.00	4190933.00	-0.00323
653594.00	4189999.00	-0.00119	653476.00	4189883.00	-0.00108
653354.00	4189808.00	-0.00102	653542.00	4189703.00	-0.00084
653628.00	4189498.00	-0.00066	653633.00	4189382.00	-0.00059
653629.00	4189120.00	-0.00047	653407.00	4188788.00	-0.00032
653666.00	4188604.00	-0.00030	653683.00	4188423.00	-0.00026
653572.00	4188259.00	-0.00022	653620.00	4187985.00	-0.00019
653337.00	4187981.00	-0.00017	652989.00	4188122.00	-0.00018
651751.00	4188075.00	-0.00020	651729.00	4188986.00	-0.00028
651726.00	4189755.00	-0.00041	652233.00	4190966.00	-0.00230

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE14 ***
INCLUDING SOURCE(S): L0002855 , L0002856 , L0002857 , L0002858 , L0002859 ,
L0002860 , L0002861 , L0002862 , L0002863 , L0002864 , L0002865 , L0002866 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00210	652658.00	4191223.00	-0.00680
653409.00	4191269.00	-0.00211			

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0002867 , L0002868 , L0002869 , L0002870 , L0002871 ,
L0002872 , L0002873 , L0002874 , L0002875 , L0002876 , L0002877 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00017	652891.80	4188749.57	-0.00025
652898.61	4188748.60	-0.00025	652730.73	4191196.29	-0.00935
653028.05	4191206.02	-0.00585	653168.20	4189206.02	-0.00039
653262.60	4189205.05	-0.00040	653289.85	4188796.29	-0.00028
653273.79	4188795.32	-0.00028	653278.66	4188701.89	-0.00026
653231.46	4188709.19	-0.00025	653231.94	4188697.51	-0.00025
653205.18	4188697.02	-0.00025	653253.35	4188006.51	-0.00016
653168.68	4188005.54	-0.00016	653158.46	4188015.27	-0.00016
653154.57	4188111.13	-0.00017	653138.03	4188112.11	-0.00017
653136.57	4188089.23	-0.00016	653070.87	4188087.29	-0.00016
653060.65	4188096.53	-0.00017	653048.49	4188105.78	-0.00017
653034.86	4188105.78	-0.00017	653031.94	4188160.28	-0.00017
652932.84	4188184.36	-0.00017	652931.05	4188208.94	-0.00018
652929.27	4188233.51	-0.00018	652927.48	4188258.09	-0.00018
652925.70	4188282.66	-0.00018	652923.92	4188307.24	-0.00019
652922.13	4188331.81	-0.00019	652920.35	4188356.38	-0.00019
652918.56	4188380.96	-0.00020	652916.78	4188405.53	-0.00020
652914.99	4188430.11	-0.00020	652913.21	4188454.68	-0.00021
652911.43	4188479.25	-0.00021	652909.64	4188503.83	-0.00021
652907.86	4188528.40	-0.00022	652906.07	4188552.98	-0.00022
652904.29	4188577.55	-0.00022	652902.51	4188602.13	-0.00023
652900.72	4188626.70	-0.00023	652898.94	4188651.27	-0.00024
652897.15	4188675.85	-0.00024	652895.37	4188700.42	-0.00024
652893.58	4188725.00	-0.00025	652896.91	4188773.32	-0.00026
652895.22	4188798.05	-0.00026	652893.52	4188822.77	-0.00027
652891.83	4188847.50	-0.00027	652890.13	4188872.22	-0.00028
652888.44	4188896.94	-0.00028	652886.74	4188921.67	-0.00029
652885.04	4188946.39	-0.00030	652883.35	4188971.12	-0.00030
652881.65	4188995.84	-0.00031	652879.96	4189020.57	-0.00032
652878.26	4189045.29	-0.00032	652876.57	4189070.01	-0.00033
652874.87	4189094.74	-0.00034	652873.17	4189119.46	-0.00035
652871.48	4189144.19	-0.00035	652869.78	4189168.91	-0.00036
652868.09	4189193.63	-0.00037	652866.39	4189218.36	-0.00038
652864.69	4189243.08	-0.00039	652863.00	4189267.81	-0.00040
652861.30	4189292.53	-0.00041	652859.61	4189317.26	-0.00042
652857.91	4189341.98	-0.00043	652856.22	4189366.70	-0.00044
652854.52	4189391.43	-0.00046	652852.82	4189416.15	-0.00047
652851.13	4189440.88	-0.00048	652849.43	4189465.60	-0.00050
652847.74	4189490.32	-0.00051	652846.04	4189515.05	-0.00053
652844.35	4189539.77	-0.00054	652842.65	4189564.50	-0.00056

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0002867 , L0002868 , L0002869 , L0002870 , L0002871 ,
L0002872 , L0002873 , L0002874 , L0002875 , L0002876 , L0002877 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.00058	652839.26	4189613.94	-0.00060
652837.56	4189638.67	-0.00062	652835.87	4189663.39	-0.00064
652834.17	4189688.12	-0.00066	652832.48	4189712.84	-0.00069
652830.78	4189737.57	-0.00071	652829.08	4189762.29	-0.00074
652827.39	4189787.01	-0.00077	652825.69	4189811.74	-0.00080

652824.00	4189836.46	-0.00083	652822.30	4189861.19	-0.00087
652820.61	4189885.91	-0.00091	652818.91	4189910.63	-0.00095
652817.21	4189935.36	-0.00099	652815.52	4189960.08	-0.00103
652813.82	4189984.81	-0.00108	652812.13	4190009.53	-0.00113
652810.43	4190034.26	-0.00119	652808.73	4190058.98	-0.00125
652807.04	4190083.70	-0.00131	652805.34	4190108.43	-0.00138
652803.65	4190133.15	-0.00146	652801.95	4190157.88	-0.00154
652800.26	4190182.60	-0.00162	652798.56	4190207.32	-0.00172
652796.86	4190232.05	-0.00182	652795.17	4190256.77	-0.00193
652793.47	4190281.50	-0.00205	652791.78	4190306.22	-0.00218
652790.08	4190330.95	-0.00232	652788.39	4190355.67	-0.00248
652786.69	4190380.39	-0.00266	652784.99	4190405.12	-0.00286
652783.30	4190429.84	-0.00307	652781.60	4190454.57	-0.00331
652779.91	4190479.29	-0.00356	652778.21	4190504.01	-0.00384
652776.52	4190528.74	-0.00414	652774.82	4190553.46	-0.00446
652773.12	4190578.19	-0.00480	652771.43	4190602.91	-0.00517
652769.73	4190627.63	-0.00558	652768.04	4190652.36	-0.00606
652766.34	4190677.08	-0.00660	652764.65	4190701.81	-0.00721
652762.95	4190726.53	-0.00786	652761.25	4190751.26	-0.00856
652759.56	4190775.98	-0.00935	652757.86	4190800.70	-0.01020
652756.17	4190825.43	-0.01103	652754.47	4190850.15	-0.01178
652752.77	4190874.88	-0.01242	652751.08	4190899.60	-0.01293
652749.38	4190924.32	-0.01329	652747.69	4190949.05	-0.01350
652745.99	4190973.77	-0.01358	652744.30	4190998.50	-0.01354
652742.60	4191023.22	-0.01339	652740.90	4191047.95	-0.01312
652739.21	4191072.67	-0.01275	652737.51	4191097.39	-0.01226
652735.82	4191122.12	-0.01166	652734.12	4191146.84	-0.01099
652732.43	4191171.57	-0.01023	652755.51	4191197.10	-0.01017
652780.28	4191197.91	-0.01108	652805.06	4191198.72	-0.01203
652829.84	4191199.53	-0.01280	652854.61	4191200.34	-0.01249
652879.39	4191201.16	-0.00956	652904.17	4191201.97	-0.00774
652928.94	4191202.78	-0.00772	652953.72	4191203.59	-0.00731
652978.50	4191204.40	-0.00681	653003.27	4191205.21	-0.00631
653029.78	4191181.33	-0.00763	653031.51	4191156.64	-0.00968
653033.24	4191131.95	-0.01175	653034.97	4191107.25	-0.01364

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0002867 , L0002868 , L0002869 , L0002870 , L0002871 ,
L0002872 , L0002873 , L0002874 , L0002875 , L0002876 , L0002877 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.01528	653038.43	4191057.87	-0.01665
653040.16	4191033.18	-0.01776	653041.89	4191008.49	-0.01865
653043.62	4190983.80	-0.01936	653045.35	4190959.11	-0.01989
653047.08	4190934.42	-0.02029	653048.81	4190909.72	-0.02056
653050.54	4190885.03	-0.02069	653052.27	4190860.34	-0.02065
653054.00	4190835.65	-0.02037	653055.73	4190810.96	-0.01975
653057.46	4190786.27	-0.01866	653059.19	4190761.58	-0.01712
653060.92	4190736.88	-0.01526	653062.65	4190712.19	-0.01335
653064.39	4190687.50	-0.01158	653066.12	4190662.81	-0.01002
653067.85	4190638.12	-0.00869	653069.58	4190613.43	-0.00758
653071.31	4190588.74	-0.00666	653073.04	4190564.04	-0.00590

653074.77	4190539.35	-0.00527	653076.50	4190514.66	-0.00474
653078.23	4190489.97	-0.00429	653079.96	4190465.28	-0.00390
653081.69	4190440.59	-0.00357	653083.42	4190415.90	-0.00327
653085.15	4190391.21	-0.00301	653086.88	4190366.51	-0.00279
653088.61	4190341.82	-0.00258	653090.34	4190317.13	-0.00240
653092.07	4190292.44	-0.00223	653093.80	4190267.75	-0.00209
653095.53	4190243.06	-0.00195	653097.26	4190218.37	-0.00183
653098.99	4190193.67	-0.00172	653100.72	4190168.98	-0.00162
653102.45	4190144.29	-0.00153	653104.18	4190119.60	-0.00145
653105.91	4190094.91	-0.00137	653107.64	4190070.22	-0.00130
653109.37	4190045.53	-0.00124	653111.10	4190020.83	-0.00118
653112.83	4189996.14	-0.00112	653114.56	4189971.45	-0.00107
653116.29	4189946.76	-0.00103	653118.02	4189922.07	-0.00098
653119.75	4189897.38	-0.00094	653121.48	4189872.69	-0.00090
653123.21	4189848.00	-0.00087	653124.94	4189823.30	-0.00083
653126.67	4189798.61	-0.00080	653128.40	4189773.92	-0.00077
653130.13	4189749.23	-0.00074	653131.86	4189724.54	-0.00072
653133.60	4189699.85	-0.00069	653135.33	4189675.16	-0.00067
653137.06	4189650.46	-0.00065	653138.79	4189625.77	-0.00063
653140.52	4189601.08	-0.00061	653142.25	4189576.39	-0.00059
653143.98	4189551.70	-0.00057	653145.71	4189527.01	-0.00055
653147.44	4189502.32	-0.00054	653149.17	4189477.62	-0.00052
653150.90	4189452.93	-0.00050	653152.63	4189428.24	-0.00049
653154.36	4189403.55	-0.00048	653156.09	4189378.86	-0.00046
653157.82	4189354.17	-0.00045	653159.55	4189329.48	-0.00044
653161.28	4189304.79	-0.00043	653163.01	4189280.09	-0.00042
653164.74	4189255.40	-0.00041	653166.47	4189230.71	-0.00040
653191.80	4189205.78	-0.00039	653215.40	4189205.54	-0.00040
653239.00	4189205.29	-0.00040	653264.20	4189181.01	-0.00039

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0002867 , L0002868 , L0002869 , L0002870 , L0002871 ,
L0002872 , L0002873 , L0002874 , L0002875 , L0002876 , L0002877 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.00038	653267.41	4189132.92	-0.00038
653269.01	4189108.87	-0.00037	653270.61	4189084.83	-0.00036
653272.22	4189060.78	-0.00035	653273.82	4189036.74	-0.00034
653275.42	4189012.69	-0.00034	653277.03	4188988.65	-0.00033
653278.63	4188964.60	-0.00032	653280.23	4188940.56	-0.00031
653281.84	4188916.51	-0.00031	653283.44	4188892.47	-0.00030
653285.04	4188868.42	-0.00030	653286.64	4188844.38	-0.00029
653288.25	4188820.33	-0.00028	653275.01	4188771.96	-0.00027
653276.23	4188748.61	-0.00027	653277.44	4188725.25	-0.00026
653255.06	4188705.54	-0.00026	653218.56	4188697.26	-0.00025
653206.90	4188672.36	-0.00025	653208.62	4188647.70	-0.00024
653210.34	4188623.04	-0.00024	653212.06	4188598.38	-0.00023
653213.78	4188573.71	-0.00023	653215.50	4188549.05	-0.00022
653217.22	4188524.39	-0.00022	653218.94	4188499.73	-0.00022
653220.66	4188475.07	-0.00021	653222.38	4188450.41	-0.00021
653224.10	4188425.75	-0.00021	653225.82	4188401.09	-0.00020
653227.54	4188376.43	-0.00020	653229.27	4188351.76	-0.00020

653230.99	4188327.10	-0.00019	653232.71	4188302.44	-0.00019
653234.43	4188277.78	-0.00019	653236.15	4188253.12	-0.00018
653237.87	4188228.46	-0.00018	653239.59	4188203.80	-0.00018
653241.31	4188179.14	-0.00018	653243.03	4188154.48	-0.00017
653244.75	4188129.82	-0.00017	653246.47	4188105.15	-0.00017
653248.19	4188080.49	-0.00017	653249.91	4188055.83	-0.00016
653251.63	4188031.17	-0.00016	653232.18	4188006.27	-0.00016
653211.02	4188006.03	-0.00016	653189.85	4188005.78	-0.00016
653157.49	4188039.24	-0.00016	653156.51	4188063.20	-0.00016
653155.54	4188087.17	-0.00016	653114.67	4188088.58	-0.00016
653092.77	4188087.94	-0.00016	653033.89	4188123.95	-0.00017
653032.91	4188142.11	-0.00017	653007.61	4188160.16	-0.00017
652983.28	4188160.04	-0.00017	652958.95	4188159.91	-0.00017
653604.00	4191168.00	-0.00201	653588.00	4190933.00	-0.00290
653594.00	4189999.00	-0.00105	653476.00	4189883.00	-0.00096
653354.00	4189808.00	-0.00091	653542.00	4189703.00	-0.00075
653628.00	4189498.00	-0.00059	653633.00	4189382.00	-0.00053
653629.00	4189120.00	-0.00042	653407.00	4188788.00	-0.00029
653666.00	4188604.00	-0.00027	653683.00	4188423.00	-0.00024
653572.00	4188259.00	-0.00020	653620.00	4187985.00	-0.00017
653337.00	4187981.00	-0.00016	652989.00	4188122.00	-0.00017
651751.00	4188075.00	-0.00019	651729.00	4188986.00	-0.00025
651726.00	4189755.00	-0.00038	652233.00	4190966.00	-0.00217

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE15 ***
INCLUDING SOURCE(S): L0002867 , L0002868 , L0002869 , L0002870 , L0002871 ,
L0002872 , L0002873 , L0002874 , L0002875 , L0002876 , L0002877 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00200	652658.00	4191223.00	-0.00683
653409.00	4191269.00	-0.00198			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0002878 , L0002879 , L0002880 , L0002881 , L0002882 ,
L0002883 , L0002884 , L0002885 , L0002886 , L0002887 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00015	652891.80	4188749.57	-0.00022
652898.61	4188748.60	-0.00022	652730.73	4191196.29	-0.01095
653028.05	4191206.02	-0.00525	653168.20	4189206.02	-0.00035
653262.60	4189205.05	-0.00036	653289.85	4188796.29	-0.00025
653273.79	4188795.32	-0.00025	653278.66	4188701.89	-0.00023
653231.46	4188709.19	-0.00023	653231.94	4188697.51	-0.00023
653205.18	4188697.02	-0.00022	653253.35	4188006.51	-0.00014
653168.68	4188005.54	-0.00014	653158.46	4188015.27	-0.00014
653154.57	4188111.13	-0.00015	653138.03	4188112.11	-0.00015
653136.57	4188089.23	-0.00015	653070.87	4188087.29	-0.00015
653060.65	4188096.53	-0.00015	653048.49	4188105.78	-0.00015
653034.86	4188105.78	-0.00015	653031.94	4188160.28	-0.00015

652932.84	4188184.36	-0.00016	652931.05	4188208.94	-0.00016
652929.27	4188233.51	-0.00016	652927.48	4188258.09	-0.00016
652925.70	4188282.66	-0.00016	652923.92	4188307.24	-0.00017
652922.13	4188331.81	-0.00017	652920.35	4188356.38	-0.00017
652918.56	4188380.96	-0.00017	652916.78	4188405.53	-0.00018
652914.99	4188430.11	-0.00018	652913.21	4188454.68	-0.00018
652911.43	4188479.25	-0.00019	652909.64	4188503.83	-0.00019
652907.86	4188528.40	-0.00019	652906.07	4188552.98	-0.00020
652904.29	4188577.55	-0.00020	652902.51	4188602.13	-0.00020
652900.72	4188626.70	-0.00021	652898.94	4188651.27	-0.00021
652897.15	4188675.85	-0.00021	652895.37	4188700.42	-0.00022
652893.58	4188725.00	-0.00022	652896.91	4188773.32	-0.00023
652895.22	4188798.05	-0.00023	652893.52	4188822.77	-0.00024
652891.83	4188847.50	-0.00024	652890.13	4188872.22	-0.00025
652888.44	4188896.94	-0.00025	652886.74	4188921.67	-0.00026
652885.04	4188946.39	-0.00026	652883.35	4188971.12	-0.00027
652881.65	4188995.84	-0.00027	652879.96	4189020.57	-0.00028
652878.26	4189045.29	-0.00028	652876.57	4189070.01	-0.00029
652874.87	4189094.74	-0.00030	652873.17	4189119.46	-0.00030
652871.48	4189144.19	-0.00031	652869.78	4189168.91	-0.00032
652868.09	4189193.63	-0.00032	652866.39	4189218.36	-0.00033
652864.69	4189243.08	-0.00034	652863.00	4189267.81	-0.00035
652861.30	4189292.53	-0.00036	652859.61	4189317.26	-0.00037
652857.91	4189341.98	-0.00037	652856.22	4189366.70	-0.00038
652854.52	4189391.43	-0.00039	652852.82	4189416.15	-0.00041
652851.13	4189440.88	-0.00042	652849.43	4189465.60	-0.00043
652847.74	4189490.32	-0.00044	652846.04	4189515.05	-0.00045
652844.35	4189539.77	-0.00047	652842.65	4189564.50	-0.00048

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0002878 , L0002879 , L0002880 , L0002881 , L0002882 ,
L0002883 , L0002884 , L0002885 , L0002886 , L0002887 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.00049	652839.26	4189613.94	-0.00051
652837.56	4189638.67	-0.00053	652835.87	4189663.39	-0.00054
652834.17	4189688.12	-0.00056	652832.48	4189712.84	-0.00058
652830.78	4189737.57	-0.00060	652829.08	4189762.29	-0.00062
652827.39	4189787.01	-0.00064	652825.69	4189811.74	-0.00067
652824.00	4189836.46	-0.00069	652822.30	4189861.19	-0.00072
652820.61	4189885.91	-0.00075	652818.91	4189910.63	-0.00078
652817.21	4189935.36	-0.00081	652815.52	4189960.08	-0.00085
652813.82	4189984.81	-0.00089	652812.13	4190009.53	-0.00093
652810.43	4190034.26	-0.00097	652808.73	4190058.98	-0.00102
652807.04	4190083.70	-0.00107	652805.34	4190108.43	-0.00112
652803.65	4190133.15	-0.00118	652801.95	4190157.88	-0.00124
652800.26	4190182.60	-0.00131	652798.56	4190207.32	-0.00139
652796.86	4190232.05	-0.00147	652795.17	4190256.77	-0.00156
652793.47	4190281.50	-0.00166	652791.78	4190306.22	-0.00176
652790.08	4190330.95	-0.00188	652788.39	4190355.67	-0.00201
652786.69	4190380.39	-0.00216	652784.99	4190405.12	-0.00232
652783.30	4190429.84	-0.00249	652781.60	4190454.57	-0.00269

652779.91	4190479.29	-0.00292	652778.21	4190504.01	-0.00317
652776.52	4190528.74	-0.00345	652774.82	4190553.46	-0.00377
652773.12	4190578.19	-0.00414	652771.43	4190602.91	-0.00455
652769.73	4190627.63	-0.00500	652768.04	4190652.36	-0.00550
652766.34	4190677.08	-0.00604	652764.65	4190701.81	-0.00664
652762.95	4190726.53	-0.00732	652761.25	4190751.26	-0.00812
652759.56	4190775.98	-0.00904	652757.86	4190800.70	-0.01004
652756.17	4190825.43	-0.01119	652754.47	4190850.15	-0.01249
652752.77	4190874.88	-0.01379	652751.08	4190899.60	-0.01494
652749.38	4190924.32	-0.01585	652747.69	4190949.05	-0.01647
652745.99	4190973.77	-0.01679	652744.30	4190998.50	-0.01687
652742.60	4191023.22	-0.01674	652740.90	4191047.95	-0.01644
652739.21	4191072.67	-0.01598	652737.51	4191097.39	-0.01533
652735.82	4191122.12	-0.01449	652734.12	4191146.84	-0.01349
652732.43	4191171.57	-0.01234	652755.51	4191197.10	-0.01196
652780.28	4191197.91	-0.01291	652805.06	4191198.72	-0.01325
652829.84	4191199.53	-0.01157	652854.61	4191200.34	-0.00850
652879.39	4191201.16	-0.00784	652904.17	4191201.97	-0.00751
652928.94	4191202.78	-0.00704	652953.72	4191203.59	-0.00656
652978.50	4191204.40	-0.00609	653003.27	4191205.21	-0.00565
653029.78	4191181.33	-0.00657	653031.51	4191156.64	-0.00804
653033.24	4191131.95	-0.00955	653034.97	4191107.25	-0.01096

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0002878 , L0002879 , L0002880 , L0002881 , L0002882 ,
L0002883 , L0002884 , L0002885 , L0002886 , L0002887 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.01224	653038.43	4191057.87	-0.01335
653040.16	4191033.18	-0.01430	653041.89	4191008.49	-0.01507
653043.62	4190983.80	-0.01567	653045.35	4190959.11	-0.01610
653047.08	4190934.42	-0.01634	653048.81	4190909.72	-0.01634
653050.54	4190885.03	-0.01606	653052.27	4190860.34	-0.01547
653054.00	4190835.65	-0.01457	653055.73	4190810.96	-0.01342
653057.46	4190786.27	-0.01213	653059.19	4190761.58	-0.01084
653060.92	4190736.88	-0.00963	653062.65	4190712.19	-0.00853
653064.39	4190687.50	-0.00756	653066.12	4190662.81	-0.00671
653067.85	4190638.12	-0.00598	653069.58	4190613.43	-0.00536
653071.31	4190588.74	-0.00482	653073.04	4190564.04	-0.00437
653074.77	4190539.35	-0.00398	653076.50	4190514.66	-0.00364
653078.23	4190489.97	-0.00335	653079.96	4190465.28	-0.00309
653081.69	4190440.59	-0.00286	653083.42	4190415.90	-0.00265
653085.15	4190391.21	-0.00247	653086.88	4190366.51	-0.00230
653088.61	4190341.82	-0.00215	653090.34	4190317.13	-0.00201
653092.07	4190292.44	-0.00189	653093.80	4190267.75	-0.00177
653095.53	4190243.06	-0.00167	653097.26	4190218.37	-0.00157
653098.99	4190193.67	-0.00148	653100.72	4190168.98	-0.00140
653102.45	4190144.29	-0.00133	653104.18	4190119.60	-0.00126
653105.91	4190094.91	-0.00120	653107.64	4190070.22	-0.00114
653109.37	4190045.53	-0.00108	653111.10	4190020.83	-0.00103
653112.83	4189996.14	-0.00099	653114.56	4189971.45	-0.00094
653116.29	4189946.76	-0.00090	653118.02	4189922.07	-0.00087

653119.75	4189897.38	-0.00083	653121.48	4189872.69	-0.00080
653123.21	4189848.00	-0.00077	653124.94	4189823.30	-0.00074
653126.67	4189798.61	-0.00071	653128.40	4189773.92	-0.00068
653130.13	4189749.23	-0.00066	653131.86	4189724.54	-0.00064
653133.60	4189699.85	-0.00062	653135.33	4189675.16	-0.00059
653137.06	4189650.46	-0.00058	653138.79	4189625.77	-0.00056
653140.52	4189601.08	-0.00054	653142.25	4189576.39	-0.00052
653143.98	4189551.70	-0.00051	653145.71	4189527.01	-0.00049
653147.44	4189502.32	-0.00048	653149.17	4189477.62	-0.00046
653150.90	4189452.93	-0.00045	653152.63	4189428.24	-0.00044
653154.36	4189403.55	-0.00043	653156.09	4189378.86	-0.00041
653157.82	4189354.17	-0.00040	653159.55	4189329.48	-0.00039
653161.28	4189304.79	-0.00038	653163.01	4189280.09	-0.00037
653164.74	4189255.40	-0.00036	653166.47	4189230.71	-0.00036
653191.80	4189205.78	-0.00035	653215.40	4189205.54	-0.00035
653239.00	4189205.29	-0.00036	653264.20	4189181.01	-0.00035

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0002878 , L0002879 , L0002880 , L0002881 , L0002882 ,
L0002883 , L0002884 , L0002885 , L0002886 , L0002887 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.00035	653267.41	4189132.92	-0.00034
653269.01	4189108.87	-0.00033	653270.61	4189084.83	-0.00032
653272.22	4189060.78	-0.00032	653273.82	4189036.74	-0.00031
653275.42	4189012.69	-0.00030	653277.03	4188988.65	-0.00030
653278.63	4188964.60	-0.00029	653280.23	4188940.56	-0.00028
653281.84	4188916.51	-0.00028	653283.44	4188892.47	-0.00027
653285.04	4188868.42	-0.00027	653286.64	4188844.38	-0.00026
653288.25	4188820.33	-0.00026	653275.01	4188771.96	-0.00024
653276.23	4188748.61	-0.00024	653277.44	4188725.25	-0.00024
653255.06	4188705.54	-0.00023	653218.56	4188697.26	-0.00023
653206.90	4188672.36	-0.00022	653208.62	4188647.70	-0.00022
653210.34	4188623.04	-0.00021	653212.06	4188598.38	-0.00021
653213.78	4188573.71	-0.00021	653215.50	4188549.05	-0.00020
653217.22	4188524.39	-0.00020	653218.94	4188499.73	-0.00019
653220.66	4188475.07	-0.00019	653222.38	4188450.41	-0.00019
653224.10	4188425.75	-0.00019	653225.82	4188401.09	-0.00018
653227.54	4188376.43	-0.00018	653229.27	4188351.76	-0.00018
653230.99	4188327.10	-0.00017	653232.71	4188302.44	-0.00017
653234.43	4188277.78	-0.00017	653236.15	4188253.12	-0.00017
653237.87	4188228.46	-0.00016	653239.59	4188203.80	-0.00016
653241.31	4188179.14	-0.00016	653243.03	4188154.48	-0.00016
653244.75	4188129.82	-0.00015	653246.47	4188105.15	-0.00015
653248.19	4188080.49	-0.00015	653249.91	4188055.83	-0.00015
653251.63	4188031.17	-0.00015	653232.18	4188006.27	-0.00014
653211.02	4188006.03	-0.00014	653189.85	4188005.78	-0.00014
653157.49	4188039.24	-0.00014	653156.51	4188063.20	-0.00015
653155.54	4188087.17	-0.00015	653114.67	4188088.58	-0.00015
653092.77	4188087.94	-0.00015	653033.89	4188123.95	-0.00015
653032.91	4188142.11	-0.00015	653007.61	4188160.16	-0.00015
652983.28	4188160.04	-0.00015	652958.95	4188159.91	-0.00015

653604.00	4191168.00	-0.00182	653588.00	4190933.00	-0.00248
653594.00	4189999.00	-0.00089	653476.00	4189883.00	-0.00082
653354.00	4189808.00	-0.00079	653542.00	4189703.00	-0.00064
653628.00	4189498.00	-0.00051	653633.00	4189382.00	-0.00046
653629.00	4189120.00	-0.00038	653407.00	4188788.00	-0.00026
653666.00	4188604.00	-0.00024	653683.00	4188423.00	-0.00021
653572.00	4188259.00	-0.00018	653620.00	4187985.00	-0.00016
653337.00	4187981.00	-0.00014	652989.00	4188122.00	-0.00015
651751.00	4188075.00	-0.00017	651729.00	4188986.00	-0.00024
651726.00	4189755.00	-0.00034	652233.00	4190966.00	-0.00212

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE16 ***
INCLUDING SOURCE(S): L0002878 , L0002879 , L0002880 , L0002881 , L0002882 ,
L0002883 , L0002884 , L0002885 , L0002886 , L0002887 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00201	652658.00	4191223.00	-0.00766
653409.00	4191269.00	-0.00186			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0002888 , L0002889 , L0002890 , L0002891 , L0002892 ,
L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00014	652891.80	4188749.57	-0.00020
652898.61	4188748.60	-0.00020	652730.73	4191196.29	-0.01162
653028.05	4191206.02	-0.00491	653168.20	4189206.02	-0.00031
653262.60	4189205.05	-0.00032	653289.85	4188796.29	-0.00022
653273.79	4188795.32	-0.00022	653278.66	4188701.89	-0.00021
653231.46	4188709.19	-0.00020	653231.94	4188697.51	-0.00020
653205.18	4188697.02	-0.00020	653253.35	4188006.51	-0.00013
653168.68	4188005.54	-0.00013	653158.46	4188015.27	-0.00013
653154.57	4188111.13	-0.00013	653138.03	4188112.11	-0.00013
653136.57	4188089.23	-0.00013	653070.87	4188087.29	-0.00013
653060.65	4188096.53	-0.00013	653048.49	4188105.78	-0.00013
653034.86	4188105.78	-0.00013	653031.94	4188160.28	-0.00014
652932.84	4188184.36	-0.00014	652931.05	4188208.94	-0.00014
652929.27	4188233.51	-0.00014	652927.48	4188258.09	-0.00014
652925.70	4188282.66	-0.00015	652923.92	4188307.24	-0.00015
652922.13	4188331.81	-0.00015	652920.35	4188356.38	-0.00015
652918.56	4188380.96	-0.00016	652916.78	4188405.53	-0.00016
652914.99	4188430.11	-0.00016	652913.21	4188454.68	-0.00016
652911.43	4188479.25	-0.00017	652909.64	4188503.83	-0.00017
652907.86	4188528.40	-0.00017	652906.07	4188552.98	-0.00017
652904.29	4188577.55	-0.00018	652902.51	4188602.13	-0.00018
652900.72	4188626.70	-0.00018	652898.94	4188651.27	-0.00019
652897.15	4188675.85	-0.00019	652895.37	4188700.42	-0.00019
652893.58	4188725.00	-0.00020	652896.91	4188773.32	-0.00020
652895.22	4188798.05	-0.00021	652893.52	4188822.77	-0.00021

652891.83	4188847.50	-0.00021	652890.13	4188872.22	-0.00022
652888.44	4188896.94	-0.00022	652886.74	4188921.67	-0.00023
652885.04	4188946.39	-0.00023	652883.35	4188971.12	-0.00024
652881.65	4188995.84	-0.00024	652879.96	4189020.57	-0.00025
652878.26	4189045.29	-0.00025	652876.57	4189070.01	-0.00026
652874.87	4189094.74	-0.00026	652873.17	4189119.46	-0.00027
652871.48	4189144.19	-0.00027	652869.78	4189168.91	-0.00028
652868.09	4189193.63	-0.00029	652866.39	4189218.36	-0.00029
652864.69	4189243.08	-0.00030	652863.00	4189267.81	-0.00031
652861.30	4189292.53	-0.00031	652859.61	4189317.26	-0.00032
652857.91	4189341.98	-0.00033	652856.22	4189366.70	-0.00034
652854.52	4189391.43	-0.00035	652852.82	4189416.15	-0.00036
652851.13	4189440.88	-0.00036	652849.43	4189465.60	-0.00037
652847.74	4189490.32	-0.00039	652846.04	4189515.05	-0.00040
652844.35	4189539.77	-0.00041	652842.65	4189564.50	-0.00042

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0002888 , L0002889 , L0002890 , L0002891 , L0002892 ,
L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	-0.00043	652839.26	4189613.94	-0.00044
652837.56	4189638.67	-0.00046	652835.87	4189663.39	-0.00047
652834.17	4189688.12	-0.00049	652832.48	4189712.84	-0.00050
652830.78	4189737.57	-0.00052	652829.08	4189762.29	-0.00054
652827.39	4189787.01	-0.00056	652825.69	4189811.74	-0.00058
652824.00	4189836.46	-0.00060	652822.30	4189861.19	-0.00062
652820.61	4189885.91	-0.00064	652818.91	4189910.63	-0.00067
652817.21	4189935.36	-0.00070	652815.52	4189960.08	-0.00073
652813.82	4189984.81	-0.00076	652812.13	4190009.53	-0.00079
652810.43	4190034.26	-0.00082	652808.73	4190058.98	-0.00086
652807.04	4190083.70	-0.00090	652805.34	4190108.43	-0.00095
652803.65	4190133.15	-0.00099	652801.95	4190157.88	-0.00105
652800.26	4190182.60	-0.00110	652798.56	4190207.32	-0.00116
652796.86	4190232.05	-0.00123	652795.17	4190256.77	-0.00130
652793.47	4190281.50	-0.00138	652791.78	4190306.22	-0.00147
652790.08	4190330.95	-0.00156	652788.39	4190355.67	-0.00167
652786.69	4190380.39	-0.00179	652784.99	4190405.12	-0.00192
652783.30	4190429.84	-0.00206	652781.60	4190454.57	-0.00222
652779.91	4190479.29	-0.00240	652778.21	4190504.01	-0.00261
652776.52	4190528.74	-0.00284	652774.82	4190553.46	-0.00310
652773.12	4190578.19	-0.00340	652771.43	4190602.91	-0.00375
652769.73	4190627.63	-0.00414	652768.04	4190652.36	-0.00460
652766.34	4190677.08	-0.00512	652764.65	4190701.81	-0.00570
652762.95	4190726.53	-0.00634	652761.25	4190751.26	-0.00706
652759.56	4190775.98	-0.00788	652757.86	4190800.70	-0.00885
652756.17	4190825.43	-0.00997	652754.47	4190850.15	-0.01123
652752.77	4190874.88	-0.01272	652751.08	4190899.60	-0.01431
652749.38	4190924.32	-0.01576	652747.69	4190949.05	-0.01690
652745.99	4190973.77	-0.01766	652744.30	4190998.50	-0.01803
652742.60	4191023.22	-0.01807	652740.90	4191047.95	-0.01786
652739.21	4191072.67	-0.01742	652737.51	4191097.39	-0.01675

652735.82	4191122.12	-0.01584	652734.12	4191146.84	-0.01469
652732.43	4191171.57	-0.01331	652755.51	4191197.10	-0.01271
652780.28	4191197.91	-0.01343	652805.06	4191198.72	-0.01237
652829.84	4191199.53	-0.00886	652854.61	4191200.34	-0.00787
652879.39	4191201.16	-0.00772	652904.17	4191201.97	-0.00721
652928.94	4191202.78	-0.00669	652953.72	4191203.59	-0.00619
652978.50	4191204.40	-0.00572	653003.27	4191205.21	-0.00529
653029.78	4191181.33	-0.00604	653031.51	4191156.64	-0.00729
653033.24	4191131.95	-0.00855	653034.97	4191107.25	-0.00975

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0002888 , L0002889 , L0002890 , L0002891 , L0002892 ,
L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.01084	653038.43	4191057.87	-0.01179
653040.16	4191033.18	-0.01260	653041.89	4191008.49	-0.01325
653043.62	4190983.80	-0.01371	653045.35	4190959.11	-0.01396
653047.08	4190934.42	-0.01396	653048.81	4190909.72	-0.01368
653050.54	4190885.03	-0.01311	653052.27	4190860.34	-0.01229
653054.00	4190835.65	-0.01130	653055.73	4190810.96	-0.01023
653057.46	4190786.27	-0.00919	653059.19	4190761.58	-0.00822
653060.92	4190736.88	-0.00733	653062.65	4190712.19	-0.00653
653064.39	4190687.50	-0.00583	653066.12	4190662.81	-0.00523
653067.85	4190638.12	-0.00471	653069.58	4190613.43	-0.00426
653071.31	4190588.74	-0.00387	653073.04	4190564.04	-0.00353
653074.77	4190539.35	-0.00324	653076.50	4190514.66	-0.00299
653078.23	4190489.97	-0.00277	653079.96	4190465.28	-0.00257
653081.69	4190440.59	-0.00239	653083.42	4190415.90	-0.00223
653085.15	4190391.21	-0.00208	653086.88	4190366.51	-0.00195
653088.61	4190341.82	-0.00183	653090.34	4190317.13	-0.00172
653092.07	4190292.44	-0.00162	653093.80	4190267.75	-0.00152
653095.53	4190243.06	-0.00144	653097.26	4190218.37	-0.00136
653098.99	4190193.67	-0.00128	653100.72	4190168.98	-0.00121
653102.45	4190144.29	-0.00115	653104.18	4190119.60	-0.00109
653105.91	4190094.91	-0.00104	653107.64	4190070.22	-0.00099
653109.37	4190045.53	-0.00095	653111.10	4190020.83	-0.00090
653112.83	4189996.14	-0.00086	653114.56	4189971.45	-0.00083
653116.29	4189946.76	-0.00079	653118.02	4189922.07	-0.00076
653119.75	4189897.38	-0.00073	653121.48	4189872.69	-0.00070
653123.21	4189848.00	-0.00067	653124.94	4189823.30	-0.00065
653126.67	4189798.61	-0.00063	653128.40	4189773.92	-0.00060
653130.13	4189749.23	-0.00058	653131.86	4189724.54	-0.00056
653133.60	4189699.85	-0.00054	653135.33	4189675.16	-0.00053
653137.06	4189650.46	-0.00051	653138.79	4189625.77	-0.00049
653140.52	4189601.08	-0.00048	653142.25	4189576.39	-0.00046
653143.98	4189551.70	-0.00045	653145.71	4189527.01	-0.00044
653147.44	4189502.32	-0.00042	653149.17	4189477.62	-0.00041
653150.90	4189452.93	-0.00040	653152.63	4189428.24	-0.00039
653154.36	4189403.55	-0.00038	653156.09	4189378.86	-0.00037
653157.82	4189354.17	-0.00036	653159.55	4189329.48	-0.00035
653161.28	4189304.79	-0.00034	653163.01	4189280.09	-0.00033

653164.74	4189255.40	-0.00032	653166.47	4189230.71	-0.00032
653191.80	4189205.78	-0.00031	653215.40	4189205.54	-0.00031
653239.00	4189205.29	-0.00032	653264.20	4189181.01	-0.00031

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE17 ***
INCLUDING SOURCE(S): L0002888 , L0002889 , L0002890 , L0002891 , L0002892 ,
L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.00031	653267.41	4189132.92	-0.00030
653269.01	4189108.87	-0.00029	653270.61	4189084.83	-0.00029
653272.22	4189060.78	-0.00028	653273.82	4189036.74	-0.00027
653275.42	4189012.69	-0.00027	653277.03	4188988.65	-0.00026
653278.63	4188964.60	-0.00026	653280.23	4188940.56	-0.00025
653281.84	4188916.51	-0.00025	653283.44	4188892.47	-0.00024
653285.04	4188868.42	-0.00024	653286.64	4188844.38	-0.00023
653288.25	4188820.33	-0.00023	653275.01	4188771.96	-0.00022
653276.23	4188748.61	-0.00021	653277.44	4188725.25	-0.00021
653255.06	4188705.54	-0.00020	653218.56	4188697.26	-0.00020
653206.90	4188672.36	-0.00020	653208.62	4188647.70	-0.00019
653210.34	4188623.04	-0.00019	653212.06	4188598.38	-0.00019
653213.78	4188573.71	-0.00018	653215.50	4188549.05	-0.00018
653217.22	4188524.39	-0.00018	653218.94	4188499.73	-0.00017
653220.66	4188475.07	-0.00017	653222.38	4188450.41	-0.00017
653224.10	4188425.75	-0.00017	653225.82	4188401.09	-0.00016
653227.54	4188376.43	-0.00016	653229.27	4188351.76	-0.00016
653230.99	4188327.10	-0.00015	653232.71	4188302.44	-0.00015
653234.43	4188277.78	-0.00015	653236.15	4188253.12	-0.00015
653237.87	4188228.46	-0.00015	653239.59	4188203.80	-0.00014
653241.31	4188179.14	-0.00014	653243.03	4188154.48	-0.00014
653244.75	4188129.82	-0.00014	653246.47	4188105.15	-0.00014
653248.19	4188080.49	-0.00013	653249.91	4188055.83	-0.00013
653251.63	4188031.17	-0.00013	653232.18	4188006.27	-0.00013
653211.02	4188006.03	-0.00013	653189.85	4188005.78	-0.00013
653157.49	4188039.24	-0.00013	653156.51	4188063.20	-0.00013
653155.54	4188087.17	-0.00013	653114.67	4188088.58	-0.00013
653092.77	4188087.94	-0.00013	653033.89	4188123.95	-0.00013
653032.91	4188142.11	-0.00013	653007.61	4188160.16	-0.00014
652983.28	4188160.04	-0.00014	652958.95	4188159.91	-0.00014
653604.00	4191168.00	-0.00165	653588.00	4190933.00	-0.00217
653594.00	4189999.00	-0.00077	653476.00	4189883.00	-0.00071
653354.00	4189808.00	-0.00069	653542.00	4189703.00	-0.00056
653628.00	4189498.00	-0.00044	653633.00	4189382.00	-0.00040
653629.00	4189120.00	-0.00033	653407.00	4188788.00	-0.00023
653666.00	4188604.00	-0.00022	653683.00	4188423.00	-0.00019
653572.00	4188259.00	-0.00016	653620.00	4187985.00	-0.00014
653337.00	4187981.00	-0.00013	652989.00	4188122.00	-0.00013
651751.00	4188075.00	-0.00015	651729.00	4188986.00	-0.00021
651726.00	4189755.00	-0.00030	652233.00	4190966.00	-0.00196

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

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                     *** THE PERIOD ( 43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE17  ***
                         INCLUDING SOURCE(S):     L0002888    , L0002889    , L0002890    , L0002891    , L0002892    ,
          L0002893    , L0002894    , L0002895    , L0002896    ,

                                   *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                               ** CONC OF DPM      IN MICROGRAMS/M**3                          **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.00190	652658.00	4191223.00	-0.00788
653409.00	4191269.00	-0.00173			

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♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                       ***       06/14/12
                                   *** Lathrop Railyard Expansion                                     ***       16:41:19
                                                                                                                PAGE 415
 **MODELOPTs:  NonDFAULT CONC                                  FLAT
                                                     NODRYDPLT NOWETDPLT

                     *** THE PERIOD ( 43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE18  ***
                         INCLUDING SOURCE(S):     L0002897    , L0002898    , L0002899    , L0002900    , L0002901    ,
          L0002902    , L0002903    , L0002904    , L0002905    , L0002906    , L0002907    , L0002908    , L0002909    ,
          L0002910    , L0002911    , L0002912    , L0002913    , L0002914    , L0002915    , L0002916    , L0002917    ,
          L0002918    , L0002919    , L0002920    , L0002921    , L0002922    , L0002923    , L0002924    ,  . . .      ,

                                   *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                               ** CONC OF DPM      IN MICROGRAMS/M**3                          **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00255	652891.80	4188749.57	0.00253
652898.61	4188748.60	0.00260	652730.73	4191196.29	0.00278
653028.05	4191206.02	0.00067	653168.20	4189206.02	0.00092
653262.60	4189205.05	0.00074	653289.85	4188796.29	0.00074
653273.79	4188795.32	0.00076	653278.66	4188701.89	0.00076
653231.46	4188709.19	0.00085	653231.94	4188697.51	0.00085
653205.18	4188697.02	0.00091	653253.35	4188006.51	0.00085
653168.68	4188005.54	0.00111	653158.46	4188015.27	0.00115
653154.57	4188111.13	0.00115	653138.03	4188112.11	0.00122
653136.57	4188089.23	0.00124	653070.87	4188087.29	0.00165
653060.65	4188096.53	0.00174	653048.49	4188105.78	0.00186
653034.86	4188105.78	0.00202	653031.94	4188160.28	0.00202
652932.84	4188184.36	0.00188	652931.05	4188208.94	0.00255
652929.27	4188233.51	0.00187	652927.48	4188258.09	0.00257
652925.70	4188282.66	0.00187	652923.92	4188307.24	0.00257
652922.13	4188331.81	0.00186	652920.35	4188356.38	0.00256
652918.56	4188380.96	0.00186	652916.78	4188405.53	0.00257
652914.99	4188430.11	0.00185	652913.21	4188454.68	0.00256
652911.43	4188479.25	0.00185	652909.64	4188503.83	0.00256
652907.86	4188528.40	0.00184	652906.07	4188552.98	0.00255
652904.29	4188577.55	0.00184	652902.51	4188602.13	0.00255
652900.72	4188626.70	0.00183	652898.94	4188651.27	0.00255
652897.15	4188675.85	0.00182	652895.37	4188700.42	0.00254
652893.58	4188725.00	0.00182	652896.91	4188773.32	0.00182
652895.22	4188798.05	0.00259	652893.52	4188822.77	0.00182
652891.83	4188847.50	0.00259	652890.13	4188872.22	0.00182
652888.44	4188896.94	0.00259	652886.74	4188921.67	0.00182
652885.04	4188946.39	0.00259	652883.35	4188971.12	0.00182
652881.65	4188995.84	0.00259	652879.96	4189020.57	0.00181
652878.26	4189045.29	0.00259	652876.57	4189070.01	0.00181
652874.87	4189094.74	0.00259	652873.17	4189119.46	0.00181
652871.48	4189144.19	0.00258	652869.78	4189168.91	0.00181
652868.09	4189193.63	0.00258	652866.39	4189218.36	0.00181
652864.69	4189243.08	0.00258	652863.00	4189267.81	0.00181
652861.30	4189292.53	0.00258	652859.61	4189317.26	0.00180

652857.91	4189341.98	0.00257	652856.22	4189366.70	0.00180
652854.52	4189391.43	0.00257	652852.82	4189416.15	0.00249
652851.13	4189440.88	0.00257	652849.43	4189465.60	0.00254
652847.74	4189490.32	0.00256	652846.04	4189515.05	0.00258
652844.35	4189539.77	0.00256	652842.65	4189564.50	0.00262

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,
L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,
L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,
L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00256	652839.26	4189613.94	0.00266
652837.56	4189638.67	0.00255	652835.87	4189663.39	0.00269
652834.17	4189688.12	0.00255	652832.48	4189712.84	0.00271
652830.78	4189737.57	0.00255	652829.08	4189762.29	0.00274
652827.39	4189787.01	0.00254	652825.69	4189811.74	0.00275
652824.00	4189836.46	0.00254	652822.30	4189861.19	0.00276
652820.61	4189885.91	0.00253	652818.91	4189910.63	0.00280
652817.21	4189935.36	0.00253	652815.52	4189960.08	0.00282
652813.82	4189984.81	0.00253	652812.13	4190009.53	0.00281
652810.43	4190034.26	0.00252	652808.73	4190058.98	0.00284
652807.04	4190083.70	0.00252	652805.34	4190108.43	0.00284
652803.65	4190133.15	0.00251	652801.95	4190157.88	0.00286
652800.26	4190182.60	0.00251	652798.56	4190207.32	0.00287
652796.86	4190232.05	0.00250	652795.17	4190256.77	0.00288
652793.47	4190281.50	0.00250	652791.78	4190306.22	0.00288
652790.08	4190330.95	0.00249	652788.39	4190355.67	0.00288
652786.69	4190380.39	0.00249	652784.99	4190405.12	0.00289
652783.30	4190429.84	0.00248	652781.60	4190454.57	0.00289
652779.91	4190479.29	0.00248	652778.21	4190504.01	0.00289
652776.52	4190528.74	0.00247	652774.82	4190553.46	0.00289
652773.12	4190578.19	0.00247	652771.43	4190602.91	0.00289
652769.73	4190627.63	0.00246	652768.04	4190652.36	0.00288
652766.34	4190677.08	0.00245	652764.65	4190701.81	0.00289
652762.95	4190726.53	0.00244	652761.25	4190751.26	0.00288
652759.56	4190775.98	0.00244	652757.86	4190800.70	0.00289
652756.17	4190825.43	0.00243	652754.47	4190850.15	0.00288
652752.77	4190874.88	0.00242	652751.08	4190899.60	0.00287
652749.38	4190924.32	0.00240	652747.69	4190949.05	0.00287
652745.99	4190973.77	0.00239	652744.30	4190998.50	0.00285
652742.60	4191023.22	0.00238	652740.90	4191047.95	0.00285
652739.21	4191072.67	0.00236	652737.51	4191097.39	0.00283
652735.82	4191122.12	0.00234	652734.12	4191146.84	0.00282
652732.43	4191171.57	0.00231	652755.51	4191197.10	0.00301
652780.28	4191197.91	0.00241	652805.06	4191198.72	0.00198
652829.84	4191199.53	0.00166	652854.61	4191200.34	0.00143
652879.39	4191201.16	0.00125	652904.17	4191201.97	0.00110
652928.94	4191202.78	0.00099	652953.72	4191203.59	0.00089
652978.50	4191204.40	0.00080	653003.27	4191205.21	0.00073
653029.78	4191181.33	0.00069	653031.51	4191156.64	0.00070

653033.24	4191131.95	0.00072	653034.97	4191107.25	0.00073

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,
L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,
L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,
L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00074	653038.43	4191057.87	0.00075
653040.16	4191033.18	0.00076	653041.89	4191008.49	0.00077
653043.62	4190983.80	0.00078	653045.35	4190959.11	0.00079
653047.08	4190934.42	0.00079	653048.81	4190909.72	0.00080
653050.54	4190885.03	0.00081	653052.27	4190860.34	0.00081
653054.00	4190835.65	0.00082	653055.73	4190810.96	0.00082
653057.46	4190786.27	0.00083	653059.19	4190761.58	0.00083
653060.92	4190736.88	0.00084	653062.65	4190712.19	0.00084
653064.39	4190687.50	0.00084	653066.12	4190662.81	0.00085
653067.85	4190638.12	0.00085	653069.58	4190613.43	0.00085
653071.31	4190588.74	0.00086	653073.04	4190564.04	0.00086
653074.77	4190539.35	0.00086	653076.50	4190514.66	0.00086
653078.23	4190489.97	0.00087	653079.96	4190465.28	0.00087
653081.69	4190440.59	0.00087	653083.42	4190415.90	0.00087
653085.15	4190391.21	0.00088	653086.88	4190366.51	0.00088
653088.61	4190341.82	0.00088	653090.34	4190317.13	0.00088
653092.07	4190292.44	0.00088	653093.80	4190267.75	0.00089
653095.53	4190243.06	0.00089	653097.26	4190218.37	0.00089
653098.99	4190193.67	0.00089	653100.72	4190168.98	0.00089
653102.45	4190144.29	0.00089	653104.18	4190119.60	0.00089
653105.91	4190094.91	0.00090	653107.64	4190070.22	0.00090
653109.37	4190045.53	0.00090	653111.10	4190020.83	0.00090
653112.83	4189996.14	0.00090	653114.56	4189971.45	0.00090
653116.29	4189946.76	0.00090	653118.02	4189922.07	0.00090
653119.75	4189897.38	0.00090	653121.48	4189872.69	0.00090
653123.21	4189848.00	0.00091	653124.94	4189823.30	0.00091
653126.67	4189798.61	0.00091	653128.40	4189773.92	0.00091
653130.13	4189749.23	0.00091	653131.86	4189724.54	0.00091
653133.60	4189699.85	0.00091	653135.33	4189675.16	0.00091
653137.06	4189650.46	0.00091	653138.79	4189625.77	0.00091
653140.52	4189601.08	0.00091	653142.25	4189576.39	0.00091
653143.98	4189551.70	0.00091	653145.71	4189527.01	0.00091
653147.44	4189502.32	0.00091	653149.17	4189477.62	0.00091
653150.90	4189452.93	0.00091	653152.63	4189428.24	0.00091
653154.36	4189403.55	0.00092	653156.09	4189378.86	0.00092
653157.82	4189354.17	0.00092	653159.55	4189329.48	0.00092
653161.28	4189304.79	0.00092	653163.01	4189280.09	0.00092
653164.74	4189255.40	0.00092	653166.47	4189230.71	0.00092
653191.80	4189205.78	0.00086	653215.40	4189205.54	0.00082
653239.00	4189205.29	0.00078	653264.20	4189181.01	0.00074

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,
L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,
L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,
L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00074	653267.41	4189132.92	0.00074
653269.01	4189108.87	0.00074	653270.61	4189084.83	0.00074
653272.22	4189060.78	0.00074	653273.82	4189036.74	0.00074
653275.42	4189012.69	0.00074	653277.03	4188988.65	0.00074
653278.63	4188964.60	0.00074	653280.23	4188940.56	0.00074
653281.84	4188916.51	0.00074	653283.44	4188892.47	0.00074
653285.04	4188868.42	0.00074	653286.64	4188844.38	0.00074
653288.25	4188820.33	0.00074	653275.01	4188771.96	0.00076
653276.23	4188748.61	0.00076	653277.44	4188725.25	0.00076
653255.06	4188705.54	0.00080	653218.56	4188697.26	0.00088
653206.90	4188672.36	0.00091	653208.62	4188647.70	0.00091
653210.34	4188623.04	0.00091	653212.06	4188598.38	0.00091
653213.78	4188573.71	0.00090	653215.50	4188549.05	0.00090
653217.22	4188524.39	0.00090	653218.94	4188499.73	0.00090
653220.66	4188475.07	0.00090	653222.38	4188450.41	0.00090
653224.10	4188425.75	0.00090	653225.82	4188401.09	0.00090
653227.54	4188376.43	0.00090	653229.27	4188351.76	0.00089
653230.99	4188327.10	0.00089	653232.71	4188302.44	0.00089
653234.43	4188277.78	0.00089	653236.15	4188253.12	0.00089
653237.87	4188228.46	0.00088	653239.59	4188203.80	0.00088
653241.31	4188179.14	0.00088	653243.03	4188154.48	0.00088
653244.75	4188129.82	0.00087	653246.47	4188105.15	0.00087
653248.19	4188080.49	0.00087	653249.91	4188055.83	0.00086
653251.63	4188031.17	0.00086	653232.18	4188006.27	0.00091
653211.02	4188006.03	0.00096	653189.85	4188005.78	0.00103
653157.49	4188039.24	0.00115	653156.51	4188063.20	0.00115
653155.54	4188087.17	0.00115	653114.67	4188088.58	0.00135
653092.77	4188087.94	0.00149	653033.89	4188123.95	0.00202
653032.91	4188142.11	0.00202	653007.61	4188160.16	0.00239
652983.28	4188160.04	0.00291	652958.95	4188159.91	0.00335
653604.00	4191168.00	0.00023	653588.00	4190933.00	0.00028
653594.00	4189999.00	0.00038	653476.00	4189883.00	0.00046
653354.00	4189808.00	0.00057	653542.00	4189703.00	0.00043
653628.00	4189498.00	0.00040	653633.00	4189382.00	0.00040
653629.00	4189120.00	0.00042	653407.00	4188788.00	0.00059
653666.00	4188604.00	0.00041	653683.00	4188423.00	0.00040
653572.00	4188259.00	0.00047	653620.00	4187985.00	0.00042
653337.00	4187981.00	0.00070	652989.00	4188122.00	0.00283
651751.00	4188075.00	0.00013	651729.00	4188986.00	0.00021
651726.00	4189755.00	0.00024	652233.00	4190966.00	0.00045

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE18 ***
INCLUDING SOURCE(S): L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,
L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,

L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,

L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00039	652658.00	4191223.00	0.00150
653409.00	4191269.00	0.00027			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 420
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE18 ***
INCLUDING SOURCE(S): L0012897 , L0012898 , L0012899 , L0012900 , L0012901 ,

L0012902 , L0012903 , L0012904 , L0012905 , L0012906 , L0012907 , L0012908 , L0012909 ,

L0012910 , L0012911 , L0012912 , L0012913 , L0012914 , L0012915 , L0012916 , L0012917 ,

L0012918 , L0012919 , L0012920 , L0012921 , L0012922 , L0012923 , L0012924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00127	652891.80	4188749.57	0.00129
652898.61	4188748.60	0.00133	652730.73	4191196.29	0.00102
653028.05	4191206.02	0.00097	653168.20	4189206.02	0.00150
653262.60	4189205.05	0.00138	653289.85	4188796.29	0.00140
653273.79	4188795.32	0.00142	653278.66	4188701.89	0.00142
653231.46	4188709.19	0.00148	653231.94	4188697.51	0.00148
653205.18	4188697.02	0.00151	653253.35	4188006.51	0.00149
653168.68	4188005.54	0.00159	653158.46	4188015.27	0.00160
653154.57	4188111.13	0.00161	653138.03	4188112.11	0.00162
653136.57	4188089.23	0.00163	653070.87	4188087.29	0.00168
653060.65	4188096.53	0.00169	653048.49	4188105.78	0.00169
653034.86	4188105.78	0.00169	653031.94	4188160.28	0.00170
652932.84	4188184.36	0.00118	652931.05	4188208.94	0.00127
652929.27	4188233.51	0.00118	652927.48	4188258.09	0.00128
652925.70	4188282.66	0.00118	652923.92	4188307.24	0.00128
652922.13	4188331.81	0.00118	652920.35	4188356.38	0.00128
652918.56	4188380.96	0.00118	652916.78	4188405.53	0.00129
652914.99	4188430.11	0.00119	652913.21	4188454.68	0.00129
652911.43	4188479.25	0.00119	652909.64	4188503.83	0.00129
652907.86	4188528.40	0.00119	652906.07	4188552.98	0.00129
652904.29	4188577.55	0.00119	652902.51	4188602.13	0.00129
652900.72	4188626.70	0.00119	652898.94	4188651.27	0.00129
652897.15	4188675.85	0.00119	652895.37	4188700.42	0.00129
652893.58	4188725.00	0.00118	652896.91	4188773.32	0.00120
652895.22	4188798.05	0.00133	652893.52	4188822.77	0.00120
652891.83	4188847.50	0.00133	652890.13	4188872.22	0.00120
652888.44	4188896.94	0.00133	652886.74	4188921.67	0.00120
652885.04	4188946.39	0.00133	652883.35	4188971.12	0.00120
652881.65	4188995.84	0.00133	652879.96	4189020.57	0.00120
652878.26	4189045.29	0.00133	652876.57	4189070.01	0.00120
652874.87	4189094.74	0.00133	652873.17	4189119.46	0.00120
652871.48	4189144.19	0.00133	652869.78	4189168.91	0.00120
652868.09	4189193.63	0.00133	652866.39	4189218.36	0.00120
652864.69	4189243.08	0.00133	652863.00	4189267.81	0.00119
652861.30	4189292.53	0.00133	652859.61	4189317.26	0.00119
652857.91	4189341.98	0.00132	652856.22	4189366.70	0.00119

652854.52	4189391.43	0.00132	652852.82	4189416.15	0.00130
652851.13	4189440.88	0.00132	652849.43	4189465.60	0.00130
652847.74	4189490.32	0.00132	652846.04	4189515.05	0.00131
652844.35	4189539.77	0.00132	652842.65	4189564.50	0.00131

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 421
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE18 ***
INCLUDING SOURCE(S): L0012897 , L0012898 , L0012899 , L0012900 , L0012901 ,
L0012902 , L0012903 , L0012904 , L0012905 , L0012906 , L0012907 , L0012908 , L0012909 ,
L0012910 , L0012911 , L0012912 , L0012913 , L0012914 , L0012915 , L0012916 , L0012917 ,
L0012918 , L0012919 , L0012920 , L0012921 , L0012922 , L0012923 , L0012924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00131	652839.26	4189613.94	0.00132
652837.56	4189638.67	0.00131	652835.87	4189663.39	0.00132
652834.17	4189688.12	0.00131	652832.48	4189712.84	0.00132
652830.78	4189737.57	0.00130	652829.08	4189762.29	0.00132
652827.39	4189787.01	0.00130	652825.69	4189811.74	0.00132
652824.00	4189836.46	0.00129	652822.30	4189861.19	0.00132
652820.61	4189885.91	0.00129	652818.91	4189910.63	0.00132
652817.21	4189935.36	0.00129	652815.52	4189960.08	0.00132
652813.82	4189984.81	0.00128	652812.13	4190009.53	0.00131
652810.43	4190034.26	0.00128	652808.73	4190058.98	0.00131
652807.04	4190083.70	0.00127	652805.34	4190108.43	0.00131
652803.65	4190133.15	0.00126	652801.95	4190157.88	0.00131
652800.26	4190182.60	0.00126	652798.56	4190207.32	0.00130
652796.86	4190232.05	0.00125	652795.17	4190256.77	0.00130
652793.47	4190281.50	0.00124	652791.78	4190306.22	0.00129
652790.08	4190330.95	0.00123	652788.39	4190355.67	0.00129
652786.69	4190380.39	0.00123	652784.99	4190405.12	0.00128
652783.30	4190429.84	0.00122	652781.60	4190454.57	0.00127
652779.91	4190479.29	0.00121	652778.21	4190504.01	0.00127
652776.52	4190528.74	0.00120	652774.82	4190553.46	0.00126
652773.12	4190578.19	0.00119	652771.43	4190602.91	0.00125
652769.73	4190627.63	0.00118	652768.04	4190652.36	0.00124
652766.34	4190677.08	0.00116	652764.65	4190701.81	0.00123
652762.95	4190726.53	0.00115	652761.25	4190751.26	0.00121
652759.56	4190775.98	0.00114	652757.86	4190800.70	0.00120
652756.17	4190825.43	0.00112	652754.47	4190850.15	0.00118
652752.77	4190874.88	0.00110	652751.08	4190899.60	0.00117
652749.38	4190924.32	0.00109	652747.69	4190949.05	0.00115
652745.99	4190973.77	0.00106	652744.30	4190998.50	0.00113
652742.60	4191023.22	0.00104	652740.90	4191047.95	0.00110
652739.21	4191072.67	0.00102	652737.51	4191097.39	0.00108
652735.82	4191122.12	0.00099	652734.12	4191146.84	0.00105
652732.43	4191171.57	0.00096	652755.51	4191197.10	0.00126
652780.28	4191197.91	0.00127	652805.06	4191198.72	0.00127
652829.84	4191199.53	0.00125	652854.61	4191200.34	0.00122
652879.39	4191201.16	0.00119	652904.17	4191201.97	0.00115
652928.94	4191202.78	0.00112	652953.72	4191203.59	0.00108
652978.50	4191204.40	0.00104	653003.27	4191205.21	0.00100
653029.78	4191181.33	0.00099	653031.51	4191156.64	0.00101

653033.24	4191131.95	0.00103	653034.97	4191107.25	0.00105

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE18 ***
INCLUDING SOURCE(S): L0012897 , L0012898 , L0012899 , L0012900 , L0012901 ,
L0012902 , L0012903 , L0012904 , L0012905 , L0012906 , L0012907 , L0012908 , L0012909 ,
L0012910 , L0012911 , L0012912 , L0012913 , L0012914 , L0012915 , L0012916 , L0012917 ,
L0012918 , L0012919 , L0012920 , L0012921 , L0012922 , L0012923 , L0012924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00107	653038.43	4191057.87	0.00109
653040.16	4191033.18	0.00110	653041.89	4191008.49	0.00112
653043.62	4190983.80	0.00113	653045.35	4190959.11	0.00114
653047.08	4190934.42	0.00116	653048.81	4190909.72	0.00117
653050.54	4190885.03	0.00118	653052.27	4190860.34	0.00119
653054.00	4190835.65	0.00120	653055.73	4190810.96	0.00122
653057.46	4190786.27	0.00123	653059.19	4190761.58	0.00124
653060.92	4190736.88	0.00124	653062.65	4190712.19	0.00125
653064.39	4190687.50	0.00126	653066.12	4190662.81	0.00127
653067.85	4190638.12	0.00128	653069.58	4190613.43	0.00129
653071.31	4190588.74	0.00130	653073.04	4190564.04	0.00130
653074.77	4190539.35	0.00131	653076.50	4190514.66	0.00132
653078.23	4190489.97	0.00132	653079.96	4190465.28	0.00133
653081.69	4190440.59	0.00134	653083.42	4190415.90	0.00134
653085.15	4190391.21	0.00135	653086.88	4190366.51	0.00136
653088.61	4190341.82	0.00136	653090.34	4190317.13	0.00137
653092.07	4190292.44	0.00137	653093.80	4190267.75	0.00138
653095.53	4190243.06	0.00138	653097.26	4190218.37	0.00139
653098.99	4190193.67	0.00139	653100.72	4190168.98	0.00140
653102.45	4190144.29	0.00140	653104.18	4190119.60	0.00140
653105.91	4190094.91	0.00141	653107.64	4190070.22	0.00141
653109.37	4190045.53	0.00142	653111.10	4190020.83	0.00142
653112.83	4189996.14	0.00142	653114.56	4189971.45	0.00143
653116.29	4189946.76	0.00143	653118.02	4189922.07	0.00144
653119.75	4189897.38	0.00144	653121.48	4189872.69	0.00144
653123.21	4189848.00	0.00145	653124.94	4189823.30	0.00145
653126.67	4189798.61	0.00145	653128.40	4189773.92	0.00145
653130.13	4189749.23	0.00146	653131.86	4189724.54	0.00146
653133.60	4189699.85	0.00146	653135.33	4189675.16	0.00146
653137.06	4189650.46	0.00147	653138.79	4189625.77	0.00147
653140.52	4189601.08	0.00147	653142.25	4189576.39	0.00147
653143.98	4189551.70	0.00148	653145.71	4189527.01	0.00148
653147.44	4189502.32	0.00148	653149.17	4189477.62	0.00148
653150.90	4189452.93	0.00148	653152.63	4189428.24	0.00149
653154.36	4189403.55	0.00149	653156.09	4189378.86	0.00149
653157.82	4189354.17	0.00149	653159.55	4189329.48	0.00149
653161.28	4189304.79	0.00149	653163.01	4189280.09	0.00149
653164.74	4189255.40	0.00150	653166.47	4189230.71	0.00150
653191.80	4189205.78	0.00147	653215.40	4189205.54	0.00144
653239.00	4189205.29	0.00141	653264.20	4189181.01	0.00138

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE18 ***
INCLUDING SOURCE(S): L0012897 , L0012898 , L0012899 , L0012900 , L0012901 ,
L0012902 , L0012903 , L0012904 , L0012905 , L0012906 , L0012907 , L0012908 , L0012909 ,
L0012910 , L0012911 , L0012912 , L0012913 , L0012914 , L0012915 , L0012916 , L0012917 ,
L0012918 , L0012919 , L0012920 , L0012921 , L0012922 , L0012923 , L0012924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00139	653267.41	4189132.92	0.00139
653269.01	4189108.87	0.00139	653270.61	4189084.83	0.00139
653272.22	4189060.78	0.00139	653273.82	4189036.74	0.00139
653275.42	4189012.69	0.00139	653277.03	4188988.65	0.00139
653278.63	4188964.60	0.00139	653280.23	4188940.56	0.00140
653281.84	4188916.51	0.00140	653283.44	4188892.47	0.00140
653285.04	4188868.42	0.00140	653286.64	4188844.38	0.00140
653288.25	4188820.33	0.00140	653275.01	4188771.96	0.00142
653276.23	4188748.61	0.00142	653277.44	4188725.25	0.00142
653255.06	4188705.54	0.00145	653218.56	4188697.26	0.00149
653206.90	4188672.36	0.00151	653208.62	4188647.70	0.00151
653210.34	4188623.04	0.00151	653212.06	4188598.38	0.00151
653213.78	4188573.71	0.00151	653215.50	4188549.05	0.00151
653217.22	4188524.39	0.00151	653218.94	4188499.73	0.00151
653220.66	4188475.07	0.00151	653222.38	4188450.41	0.00151
653224.10	4188425.75	0.00151	653225.82	4188401.09	0.00151
653227.54	4188376.43	0.00151	653229.27	4188351.76	0.00151
653230.99	4188327.10	0.00151	653232.71	4188302.44	0.00150
653234.43	4188277.78	0.00150	653236.15	4188253.12	0.00150
653237.87	4188228.46	0.00150	653239.59	4188203.80	0.00150
653241.31	4188179.14	0.00150	653243.03	4188154.48	0.00150
653244.75	4188129.82	0.00150	653246.47	4188105.15	0.00150
653248.19	4188080.49	0.00149	653249.91	4188055.83	0.00149
653251.63	4188031.17	0.00149	653232.18	4188006.27	0.00151
653211.02	4188006.03	0.00154	653189.85	4188005.78	0.00156
653157.49	4188039.24	0.00160	653156.51	4188063.20	0.00160
653155.54	4188087.17	0.00160	653114.67	4188088.58	0.00165
653092.77	4188087.94	0.00167	653033.89	4188123.95	0.00169
653032.91	4188142.11	0.00170	653007.61	4188160.16	0.00169
652983.28	4188160.04	0.00167	652958.95	4188159.91	0.00159
653604.00	4191168.00	0.00055	653588.00	4190933.00	0.00068
653594.00	4189999.00	0.00095	653476.00	4189883.00	0.00106
653354.00	4189808.00	0.00119	653542.00	4189703.00	0.00105
653628.00	4189498.00	0.00102	653633.00	4189382.00	0.00103
653629.00	4189120.00	0.00107	653407.00	4188788.00	0.00128
653666.00	4188604.00	0.00109	653683.00	4188423.00	0.00108
653572.00	4188259.00	0.00117	653620.00	4187985.00	0.00112
653337.00	4187981.00	0.00139	652989.00	4188122.00	0.00167
651751.00	4188075.00	0.00052	651729.00	4188986.00	0.00064
651726.00	4189755.00	0.00065	652233.00	4190966.00	0.00072

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE18 ***
INCLUDING SOURCE(S): L0012897 , L0012898 , L0012899 , L0012900 , L0012901 ,
L0012902 , L0012903 , L0012904 , L0012905 , L0012906 , L0012907 , L0012908 , L0012909 ,
L0012910 , L0012911 , L0012912 , L0012913 , L0012914 , L0012915 , L0012916 , L0012917 ,

L0012918 , L0012919 , L0012920 , L0012921 , L0012922 , L0012923 , L0012924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00064	652658.00	4191223.00	0.00076
653409.00	4191269.00	0.00058			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 425
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0002976 , L0002977 , L0002978 , L0002979 , L0002980 ,
L0002981 , L0002982 , L0002983 , L0002984 , L0002985 , L0002986 , L0002987 , L0002988 ,
L0002989 , L0002990 , L0002991 , L0002992 , L0002993 , L0002994 , L0002995 , L0002996 ,
L0002997 , L0002998 , L0002999 , L0003000 , L0003001 , L0003002 , L0003003 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00026	652891.80	4188749.57	0.00116
652898.61	4188748.60	0.00116	652730.73	4191196.29	0.00009
653028.05	4191206.02	0.00007	653168.20	4189206.02	0.00087
653262.60	4189205.05	0.00067	653289.85	4188796.29	0.00065
653273.79	4188795.32	0.00068	653278.66	4188701.89	0.00067
653231.46	4188709.19	0.00076	653231.94	4188697.51	0.00076
653205.18	4188697.02	0.00083	653253.35	4188006.51	0.00023
653168.68	4188005.54	0.00022	653158.46	4188015.27	0.00023
653154.57	4188111.13	0.00033	653138.03	4188112.11	0.00033
653136.57	4188089.23	0.00030	653070.87	4188087.29	0.00027
653060.65	4188096.53	0.00028	653048.49	4188105.78	0.00029
653034.86	4188105.78	0.00028	653031.94	4188160.28	0.00037
652932.84	4188184.36	0.00029	652931.05	4188208.94	0.00034
652929.27	4188233.51	0.00039	652927.48	4188258.09	0.00048
652925.70	4188282.66	0.00058	652923.92	4188307.24	0.00061
652922.13	4188331.81	0.00071	652920.35	4188356.38	0.00060
652918.56	4188380.96	0.00071	652916.78	4188405.53	0.00069
652914.99	4188430.11	0.00089	652913.21	4188454.68	0.00092
652911.43	4188479.25	0.00104	652909.64	4188503.83	0.00102
652907.86	4188528.40	0.00111	652906.07	4188552.98	0.00107
652904.29	4188577.55	0.00115	652902.51	4188602.13	0.00110
652900.72	4188626.70	0.00118	652898.94	4188651.27	0.00113
652897.15	4188675.85	0.00120	652895.37	4188700.42	0.00114
652893.58	4188725.00	0.00121	652896.91	4188773.32	0.00115
652895.22	4188798.05	0.00117	652893.52	4188822.77	0.00116
652891.83	4188847.50	0.00118	652890.13	4188872.22	0.00117
652888.44	4188896.94	0.00118	652886.74	4188921.67	0.00118
652885.04	4188946.39	0.00119	652883.35	4188971.12	0.00118
652881.65	4188995.84	0.00119	652879.96	4189020.57	0.00119
652878.26	4189045.29	0.00119	652876.57	4189070.01	0.00119
652874.87	4189094.74	0.00119	652873.17	4189119.46	0.00120
652871.48	4189144.19	0.00120	652869.78	4189168.91	0.00120
652868.09	4189193.63	0.00120	652866.39	4189218.36	0.00120
652864.69	4189243.08	0.00120	652863.00	4189267.81	0.00121
652861.30	4189292.53	0.00120	652859.61	4189317.26	0.00121
652857.91	4189341.98	0.00119	652856.22	4189366.70	0.00121

652854.52	4189391.43	0.00119	652852.82	4189416.15	0.00121
652851.13	4189440.88	0.00119	652849.43	4189465.60	0.00121
652847.74	4189490.32	0.00119	652846.04	4189515.05	0.00121
652844.35	4189539.77	0.00118	652842.65	4189564.50	0.00121

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0002976 , L0002977 , L0002978 , L0002979 , L0002980 ,
L0002981 , L0002982 , L0002983 , L0002984 , L0002985 , L0002986 , L0002987 , L0002988 ,
L0002989 , L0002990 , L0002991 , L0002992 , L0002993 , L0002994 , L0002995 , L0002996 ,
L0002997 , L0002998 , L0002999 , L0003000 , L0003001 , L0003002 , L0003003 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00118	652839.26	4189613.94	0.00121
652837.56	4189638.67	0.00118	652835.87	4189663.39	0.00121
652834.17	4189688.12	0.00117	652832.48	4189712.84	0.00121
652830.78	4189737.57	0.00116	652829.08	4189762.29	0.00121
652827.39	4189787.01	0.00111	652825.69	4189811.74	0.00121
652824.00	4189836.46	0.00111	652822.30	4189861.19	0.00121
652820.61	4189885.91	0.00110	652818.91	4189910.63	0.00121
652817.21	4189935.36	0.00110	652815.52	4189960.08	0.00120
652813.82	4189984.81	0.00109	652812.13	4190009.53	0.00120
652810.43	4190034.26	0.00115	652808.73	4190058.98	0.00120
652807.04	4190083.70	0.00114	652805.34	4190108.43	0.00119
652803.65	4190133.15	0.00114	652801.95	4190157.88	0.00118
652800.26	4190182.60	0.00113	652798.56	4190207.32	0.00118
652796.86	4190232.05	0.00113	652795.17	4190256.77	0.00117
652793.47	4190281.50	0.00112	652791.78	4190306.22	0.00116
652790.08	4190330.95	0.00110	652788.39	4190355.67	0.00114
652786.69	4190380.39	0.00109	652784.99	4190405.12	0.00113
652783.30	4190429.84	0.00112	652781.60	4190454.57	0.00110
652779.91	4190479.29	0.00104	652778.21	4190504.01	0.00107
652776.52	4190528.74	0.00101	652774.82	4190553.46	0.00103
652773.12	4190578.19	0.00096	652771.43	4190602.91	0.00096
652769.73	4190627.63	0.00087	652768.04	4190652.36	0.00084
652766.34	4190677.08	0.00069	652764.65	4190701.81	0.00056
652762.95	4190726.53	0.00053	652761.25	4190751.26	0.00056
652759.56	4190775.98	0.00053	652757.86	4190800.70	0.00056
652756.17	4190825.43	0.00042	652754.47	4190850.15	0.00033
652752.77	4190874.88	0.00027	652751.08	4190899.60	0.00023
652749.38	4190924.32	0.00021	652747.69	4190949.05	0.00018
652745.99	4190973.77	0.00017	652744.30	4190998.50	0.00015
652742.60	4191023.22	0.00014	652740.90	4191047.95	0.00013
652739.21	4191072.67	0.00012	652737.51	4191097.39	0.00011
652735.82	4191122.12	0.00011	652734.12	4191146.84	0.00010
652732.43	4191171.57	0.00009	652755.51	4191197.10	0.00009
652780.28	4191197.91	0.00008	652805.06	4191198.72	0.00008
652829.84	4191199.53	0.00008	652854.61	4191200.34	0.00008
652879.39	4191201.16	0.00008	652904.17	4191201.97	0.00008
652928.94	4191202.78	0.00008	652953.72	4191203.59	0.00008
652978.50	4191204.40	0.00008	653003.27	4191205.21	0.00007
653029.78	4191181.33	0.00008	653031.51	4191156.64	0.00008
653033.24	4191131.95	0.00009	653034.97	4191107.25	0.00009

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0002976 , L0002977 , L0002978 , L0002979 , L0002980 ,
L0002981 , L0002982 , L0002983 , L0002984 , L0002985 , L0002986 , L0002987 , L0002988 ,
L0002989 , L0002990 , L0002991 , L0002992 , L0002993 , L0002994 , L0002995 , L0002996 ,
L0002997 , L0002998 , L0002999 , L0003000 , L0003001 , L0003002 , L0003003 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00009	653038.43	4191057.87	0.00010
653040.16	4191033.18	0.00010	653041.89	4191008.49	0.00011
653043.62	4190983.80	0.00012	653045.35	4190959.11	0.00013
653047.08	4190934.42	0.00014	653048.81	4190909.72	0.00015
653050.54	4190885.03	0.00016	653052.27	4190860.34	0.00018
653054.00	4190835.65	0.00020	653055.73	4190810.96	0.00023
653057.46	4190786.27	0.00026	653059.19	4190761.58	0.00029
653060.92	4190736.88	0.00033	653062.65	4190712.19	0.00036
653064.39	4190687.50	0.00040	653066.12	4190662.81	0.00043
653067.85	4190638.12	0.00047	653069.58	4190613.43	0.00050
653071.31	4190588.74	0.00053	653073.04	4190564.04	0.00056
653074.77	4190539.35	0.00059	653076.50	4190514.66	0.00061
653078.23	4190489.97	0.00064	653079.96	4190465.28	0.00066
653081.69	4190440.59	0.00068	653083.42	4190415.90	0.00069
653085.15	4190391.21	0.00071	653086.88	4190366.51	0.00072
653088.61	4190341.82	0.00074	653090.34	4190317.13	0.00075
653092.07	4190292.44	0.00076	653093.80	4190267.75	0.00077
653095.53	4190243.06	0.00078	653097.26	4190218.37	0.00078
653098.99	4190193.67	0.00079	653100.72	4190168.98	0.00080
653102.45	4190144.29	0.00080	653104.18	4190119.60	0.00081
653105.91	4190094.91	0.00081	653107.64	4190070.22	0.00082
653109.37	4190045.53	0.00082	653111.10	4190020.83	0.00083
653112.83	4189996.14	0.00083	653114.56	4189971.45	0.00083
653116.29	4189946.76	0.00084	653118.02	4189922.07	0.00084
653119.75	4189897.38	0.00084	653121.48	4189872.69	0.00085
653123.21	4189848.00	0.00085	653124.94	4189823.30	0.00085
653126.67	4189798.61	0.00085	653128.40	4189773.92	0.00085
653130.13	4189749.23	0.00086	653131.86	4189724.54	0.00086
653133.60	4189699.85	0.00086	653135.33	4189675.16	0.00086
653137.06	4189650.46	0.00086	653138.79	4189625.77	0.00086
653140.52	4189601.08	0.00087	653142.25	4189576.39	0.00087
653143.98	4189551.70	0.00087	653145.71	4189527.01	0.00087
653147.44	4189502.32	0.00087	653149.17	4189477.62	0.00087
653150.90	4189452.93	0.00087	653152.63	4189428.24	0.00087
653154.36	4189403.55	0.00087	653156.09	4189378.86	0.00087
653157.82	4189354.17	0.00087	653159.55	4189329.48	0.00087
653161.28	4189304.79	0.00087	653163.01	4189280.09	0.00087
653164.74	4189255.40	0.00087	653166.47	4189230.71	0.00087
653191.80	4189205.78	0.00081	653215.40	4189205.54	0.00076
653239.00	4189205.29	0.00071	653264.20	4189181.01	0.00067

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0002976 , L0002977 , L0002978 , L0002979 , L0002980 ,
L0002981 , L0002982 , L0002983 , L0002984 , L0002985 , L0002986 , L0002987 , L0002988 ,
L0002989 , L0002990 , L0002991 , L0002992 , L0002993 , L0002994 , L0002995 , L0002996 ,
L0002997 , L0002998 , L0002999 , L0003000 , L0003001 , L0003002 , L0003003 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00067	653267.41	4189132.92	0.00067
653269.01	4189108.87	0.00067	653270.61	4189084.83	0.00067
653272.22	4189060.78	0.00067	653273.82	4189036.74	0.00067
653275.42	4189012.69	0.00066	653277.03	4188988.65	0.00066
653278.63	4188964.60	0.00066	653280.23	4188940.56	0.00066
653281.84	4188916.51	0.00066	653283.44	4188892.47	0.00066
653285.04	4188868.42	0.00066	653286.64	4188844.38	0.00065
653288.25	4188820.33	0.00065	653275.01	4188771.96	0.00068
653276.23	4188748.61	0.00067	653277.44	4188725.25	0.00067
653255.06	4188705.54	0.00071	653218.56	4188697.26	0.00080
653206.90	4188672.36	0.00083	653208.62	4188647.70	0.00082
653210.34	4188623.04	0.00082	653212.06	4188598.38	0.00081
653213.78	4188573.71	0.00080	653215.50	4188549.05	0.00079
653217.22	4188524.39	0.00078	653218.94	4188499.73	0.00077
653220.66	4188475.07	0.00076	653222.38	4188450.41	0.00074
653224.10	4188425.75	0.00071	653225.82	4188401.09	0.00069
653227.54	4188376.43	0.00066	653229.27	4188351.76	0.00063
653230.99	4188327.10	0.00059	653232.71	4188302.44	0.00056
653234.43	4188277.78	0.00052	653236.15	4188253.12	0.00048
653237.87	4188228.46	0.00045	653239.59	4188203.80	0.00042
653241.31	4188179.14	0.00039	653243.03	4188154.48	0.00036
653244.75	4188129.82	0.00033	653246.47	4188105.15	0.00031
653248.19	4188080.49	0.00029	653249.91	4188055.83	0.00027
653251.63	4188031.17	0.00025	653232.18	4188006.27	0.00023
653211.02	4188006.03	0.00023	653189.85	4188005.78	0.00023
653157.49	4188039.24	0.00025	653156.51	4188063.20	0.00027
653155.54	4188087.17	0.00030	653114.67	4188088.58	0.00029
653092.77	4188087.94	0.00028	653033.89	4188123.95	0.00030
653032.91	4188142.11	0.00033	653007.61	4188160.16	0.00034
652983.28	4188160.04	0.00031	652958.95	4188159.91	0.00029
653604.00	4191168.00	0.00006	653588.00	4190933.00	0.00010
653594.00	4189999.00	0.00028	653476.00	4189883.00	0.00036
653354.00	4189808.00	0.00047	653542.00	4189703.00	0.00035
653628.00	4189498.00	0.00032	653633.00	4189382.00	0.00032
653629.00	4189120.00	0.00033	653407.00	4188788.00	0.00050
653666.00	4188604.00	0.00030	653683.00	4188423.00	0.00027
653572.00	4188259.00	0.00027	653620.00	4187985.00	0.00018
653337.00	4187981.00	0.00021	652989.00	4188122.00	0.00026
651751.00	4188075.00	0.00005	651729.00	4188986.00	0.00011
651726.00	4189755.00	0.00016	652233.00	4190966.00	0.00021

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 429
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE19 ***
INCLUDING SOURCE(S): L0002976 , L0002977 , L0002978 , L0002979 , L0002980 ,
L0002981 , L0002982 , L0002983 , L0002984 , L0002985 , L0002986 , L0002987 , L0002988 ,
L0002989 , L0002990 , L0002991 , L0002992 , L0002993 , L0002994 , L0002995 , L0002996 ,

L0002997 , L0002998 , L0002999 , L0003000 , L0003001 , L0003002 , L0003003 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00015	652658.00	4191223.00	0.00010
653409.00	4191269.00	0.00006			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 430
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE19 ***
INCLUDING SOURCE(S): L0012976 , L0012977 , L0012978 , L0012979 , L0012980 ,
L0012981 , L0012982 , L0012983 , L0012984 , L0012985 , L0012986 , L0012987 , L0012988 ,
L0012989 , L0012990 , L0012991 , L0012992 , L0012993 , L0012994 , L0012995 , L0012996 ,
L0012997 , L0012998 , L0012999 , L0013000 , L0013001 , L0013002 , L0013003 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00052	652891.80	4188749.57	0.00080
652898.61	4188748.60	0.00079	652730.73	4191196.29	0.00014
653028.05	4191206.02	0.00013	653168.20	4189206.02	0.00121
653262.60	4189205.05	0.00111	653289.85	4188796.29	0.00113
653273.79	4188795.32	0.00115	653278.66	4188701.89	0.00115
653231.46	4188709.19	0.00120	653231.94	4188697.51	0.00120
653205.18	4188697.02	0.00123	653253.35	4188006.51	0.00055
653168.68	4188005.54	0.00053	653158.46	4188015.27	0.00053
653154.57	4188111.13	0.00063	653138.03	4188112.11	0.00062
653136.57	4188089.23	0.00059	653070.87	4188087.29	0.00056
653060.65	4188096.53	0.00056	653048.49	4188105.78	0.00056
653034.86	4188105.78	0.00055	653031.94	4188160.28	0.00062
652932.84	4188184.36	0.00054	652931.05	4188208.94	0.00057
652929.27	4188233.51	0.00059	652927.48	4188258.09	0.00063
652925.70	4188282.66	0.00066	652923.92	4188307.24	0.00067
652922.13	4188331.81	0.00071	652920.35	4188356.38	0.00067
652918.56	4188380.96	0.00070	652916.78	4188405.53	0.00068
652914.99	4188430.11	0.00073	652913.21	4188454.68	0.00073
652911.43	4188479.25	0.00077	652909.64	4188503.83	0.00075
652907.86	4188528.40	0.00079	652906.07	4188552.98	0.00077
652904.29	4188577.55	0.00080	652902.51	4188602.13	0.00078
652900.72	4188626.70	0.00082	652898.94	4188651.27	0.00079
652897.15	4188675.85	0.00082	652895.37	4188700.42	0.00080
652893.58	4188725.00	0.00083	652896.91	4188773.32	0.00081
652895.22	4188798.05	0.00080	652893.52	4188822.77	0.00082
652891.83	4188847.50	0.00080	652890.13	4188872.22	0.00082
652888.44	4188896.94	0.00080	652886.74	4188921.67	0.00082
652885.04	4188946.39	0.00080	652883.35	4188971.12	0.00082
652881.65	4188995.84	0.00080	652879.96	4189020.57	0.00082
652878.26	4189045.29	0.00080	652876.57	4189070.01	0.00082
652874.87	4189094.74	0.00080	652873.17	4189119.46	0.00082
652871.48	4189144.19	0.00080	652869.78	4189168.91	0.00082
652868.09	4189193.63	0.00080	652866.39	4189218.36	0.00082
652864.69	4189243.08	0.00079	652863.00	4189267.81	0.00082
652861.30	4189292.53	0.00079	652859.61	4189317.26	0.00081
652857.91	4189341.98	0.00079	652856.22	4189366.70	0.00081
652854.52	4189391.43	0.00078	652852.82	4189416.15	0.00081

652851.13	4189440.88	0.00078	652849.43	4189465.60	0.00080
652847.74	4189490.32	0.00077	652846.04	4189515.05	0.00080
652844.35	4189539.77	0.00077	652842.65	4189564.50	0.00079

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE19 ***
INCLUDING SOURCE(S): L0012976 , L0012977 , L0012978 , L0012979 , L0012980 ,
L0012981 , L0012982 , L0012983 , L0012984 , L0012985 , L0012986 , L0012987 , L0012988 ,
L0012989 , L0012990 , L0012991 , L0012992 , L0012993 , L0012994 , L0012995 , L0012996 ,
L0012997 , L0012998 , L0012999 , L0013000 , L0013001 , L0013002 , L0013003 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00076	652839.26	4189613.94	0.00079
652837.56	4189638.67	0.00075	652835.87	4189663.39	0.00078
652834.17	4189688.12	0.00075	652832.48	4189712.84	0.00077
652830.78	4189737.57	0.00074	652829.08	4189762.29	0.00076
652827.39	4189787.01	0.00072	652825.69	4189811.74	0.00076
652824.00	4189836.46	0.00071	652822.30	4189861.19	0.00075
652820.61	4189885.91	0.00071	652818.91	4189910.63	0.00074
652817.21	4189935.36	0.00069	652815.52	4189960.08	0.00073
652813.82	4189984.81	0.00068	652812.13	4190009.53	0.00072
652810.43	4190034.26	0.00068	652808.73	4190058.98	0.00070
652807.04	4190083.70	0.00067	652805.34	4190108.43	0.00069
652803.65	4190133.15	0.00066	652801.95	4190157.88	0.00068
652800.26	4190182.60	0.00064	652798.56	4190207.32	0.00066
652796.86	4190232.05	0.00063	652795.17	4190256.77	0.00064
652793.47	4190281.50	0.00061	652791.78	4190306.22	0.00062
652790.08	4190330.95	0.00059	652788.39	4190355.67	0.00060
652786.69	4190380.39	0.00056	652784.99	4190405.12	0.00057
652783.30	4190429.84	0.00055	652781.60	4190454.57	0.00055
652779.91	4190479.29	0.00051	652778.21	4190504.01	0.00051
652776.52	4190528.74	0.00048	652774.82	4190553.46	0.00047
652773.12	4190578.19	0.00044	652771.43	4190602.91	0.00043
652769.73	4190627.63	0.00039	652768.04	4190652.36	0.00037
652766.34	4190677.08	0.00032	652764.65	4190701.81	0.00028
652762.95	4190726.53	0.00028	652761.25	4190751.26	0.00028
652759.56	4190775.98	0.00028	652757.86	4190800.70	0.00028
652756.17	4190825.43	0.00026	652754.47	4190850.15	0.00024
652752.77	4190874.88	0.00023	652751.08	4190899.60	0.00021
652749.38	4190924.32	0.00020	652747.69	4190949.05	0.00020
652745.99	4190973.77	0.00019	652744.30	4190998.50	0.00018
652742.60	4191023.22	0.00018	652740.90	4191047.95	0.00017
652739.21	4191072.67	0.00016	652737.51	4191097.39	0.00016
652735.82	4191122.12	0.00016	652734.12	4191146.84	0.00015
652732.43	4191171.57	0.00015	652755.51	4191197.10	0.00014
652780.28	4191197.91	0.00015	652805.06	4191198.72	0.00015
652829.84	4191199.53	0.00014	652854.61	4191200.34	0.00014
652879.39	4191201.16	0.00014	652904.17	4191201.97	0.00014
652928.94	4191202.78	0.00014	652953.72	4191203.59	0.00014
652978.50	4191204.40	0.00013	653003.27	4191205.21	0.00013
653029.78	4191181.33	0.00013	653031.51	4191156.64	0.00013
653033.24	4191131.95	0.00014	653034.97	4191107.25	0.00014

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: PLINE19 ***
INCLUDING SOURCE(S):   L0012976   , L0012977   , L0012978   , L0012979   , L0012980   ,
L0012981   , L0012982   , L0012983   , L0012984   , L0012985   , L0012986   , L0012987   , L0012988   ,
L0012989   , L0012990   , L0012991   , L0012992   , L0012993   , L0012994   , L0012995   , L0012996   ,
L0012997   , L0012998   , L0012999   , L0013000   , L0013001   , L0013002   , L0013003   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00014	653038.43	4191057.87	0.00015
653040.16	4191033.18	0.00015	653041.89	4191008.49	0.00015
653043.62	4190983.80	0.00016	653045.35	4190959.11	0.00017
653047.08	4190934.42	0.00017	653048.81	4190909.72	0.00018
653050.54	4190885.03	0.00020	653052.27	4190860.34	0.00021
653054.00	4190835.65	0.00024	653055.73	4190810.96	0.00027
653057.46	4190786.27	0.00030	653059.19	4190761.58	0.00035
653060.92	4190736.88	0.00039	653062.65	4190712.19	0.00044
653064.39	4190687.50	0.00048	653066.12	4190662.81	0.00053
653067.85	4190638.12	0.00057	653069.58	4190613.43	0.00061
653071.31	4190588.74	0.00065	653073.04	4190564.04	0.00069
653074.77	4190539.35	0.00072	653076.50	4190514.66	0.00075
653078.23	4190489.97	0.00078	653079.96	4190465.28	0.00081
653081.69	4190440.59	0.00083	653083.42	4190415.90	0.00085
653085.15	4190391.21	0.00087	653086.88	4190366.51	0.00089
653088.61	4190341.82	0.00091	653090.34	4190317.13	0.00093
653092.07	4190292.44	0.00094	653093.80	4190267.75	0.00096
653095.53	4190243.06	0.00097	653097.26	4190218.37	0.00098
653098.99	4190193.67	0.00099	653100.72	4190168.98	0.00101
653102.45	4190144.29	0.00102	653104.18	4190119.60	0.00103
653105.91	4190094.91	0.00104	653107.64	4190070.22	0.00105
653109.37	4190045.53	0.00105	653111.10	4190020.83	0.00106
653112.83	4189996.14	0.00107	653114.56	4189971.45	0.00108
653116.29	4189946.76	0.00109	653118.02	4189922.07	0.00109
653119.75	4189897.38	0.00110	653121.48	4189872.69	0.00111
653123.21	4189848.00	0.00111	653124.94	4189823.30	0.00112
653126.67	4189798.61	0.00113	653128.40	4189773.92	0.00113
653130.13	4189749.23	0.00114	653131.86	4189724.54	0.00114
653133.60	4189699.85	0.00115	653135.33	4189675.16	0.00115
653137.06	4189650.46	0.00116	653138.79	4189625.77	0.00116
653140.52	4189601.08	0.00117	653142.25	4189576.39	0.00117
653143.98	4189551.70	0.00117	653145.71	4189527.01	0.00118
653147.44	4189502.32	0.00118	653149.17	4189477.62	0.00119
653150.90	4189452.93	0.00119	653152.63	4189428.24	0.00119
653154.36	4189403.55	0.00119	653156.09	4189378.86	0.00120
653157.82	4189354.17	0.00120	653159.55	4189329.48	0.00120
653161.28	4189304.79	0.00121	653163.01	4189280.09	0.00121
653164.74	4189255.40	0.00121	653166.47	4189230.71	0.00121
653191.80	4189205.78	0.00119	653215.40	4189205.54	0.00116
653239.00	4189205.29	0.00113	653264.20	4189181.01	0.00111

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: PLINE19 ***

Lathrop4b

INCLUDING SOURCE(S): L0012976 , L0012977 , L0012978 , L0012979 , L0012980 ,
L0012981 , L0012982 , L0012983 , L0012984 , L0012985 , L0012986 , L0012987 , L0012988 ,
L0012989 , L0012990 , L0012991 , L0012992 , L0012993 , L0012994 , L0012995 , L0012996 ,
L0012997 , L0012998 , L0012999 , L0013000 , L0013001 , L0013002 , L0013003 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00111	653267.41	4189132.92	0.00111
653269.01	4189108.87	0.00112	653270.61	4189084.83	0.00112
653272.22	4189060.78	0.00112	653273.82	4189036.74	0.00112
653275.42	4189012.69	0.00112	653277.03	4188988.65	0.00112
653278.63	4188964.60	0.00113	653280.23	4188940.56	0.00113
653281.84	4188916.51	0.00113	653283.44	4188892.47	0.00113
653285.04	4188868.42	0.00113	653286.64	4188844.38	0.00113
653288.25	4188820.33	0.00113	653275.01	4188771.96	0.00115
653276.23	4188748.61	0.00115	653277.44	4188725.25	0.00115
653255.06	4188705.54	0.00117	653218.56	4188697.26	0.00121
653206.90	4188672.36	0.00122	653208.62	4188647.70	0.00122
653210.34	4188623.04	0.00122	653212.06	4188598.38	0.00122
653213.78	4188573.71	0.00121	653215.50	4188549.05	0.00121
653217.22	4188524.39	0.00120	653218.94	4188499.73	0.00119
653220.66	4188475.07	0.00118	653222.38	4188450.41	0.00116
653224.10	4188425.75	0.00114	653225.82	4188401.09	0.00111
653227.54	4188376.43	0.00107	653229.27	4188351.76	0.00103
653230.99	4188327.10	0.00099	653232.71	4188302.44	0.00094
653234.43	4188277.78	0.00090	653236.15	4188253.12	0.00086
653237.87	4188228.46	0.00081	653239.59	4188203.80	0.00077
653241.31	4188179.14	0.00074	653243.03	4188154.48	0.00070
653244.75	4188129.82	0.00067	653246.47	4188105.15	0.00064
653248.19	4188080.49	0.00061	653249.91	4188055.83	0.00059
653251.63	4188031.17	0.00057	653232.18	4188006.27	0.00054
653211.02	4188006.03	0.00054	653189.85	4188005.78	0.00053
653157.49	4188039.24	0.00055	653156.51	4188063.20	0.00057
653155.54	4188087.17	0.00060	653114.67	4188088.58	0.00058
653092.77	4188087.94	0.00057	653033.89	4188123.95	0.00057
653032.91	4188142.11	0.00059	653007.61	4188160.16	0.00059
652983.28	4188160.04	0.00056	652958.95	4188159.91	0.00054
653604.00	4191168.00	0.00012	653588.00	4190933.00	0.00019
653594.00	4189999.00	0.00065	653476.00	4189883.00	0.00076
653354.00	4189808.00	0.00088	653542.00	4189703.00	0.00077
653628.00	4189498.00	0.00076	653633.00	4189382.00	0.00077
653629.00	4189120.00	0.00082	653407.00	4188788.00	0.00102
653666.00	4188604.00	0.00080	653683.00	4188423.00	0.00073
653572.00	4188259.00	0.00070	653620.00	4187985.00	0.00052
653337.00	4187981.00	0.00053	652989.00	4188122.00	0.00053
651751.00	4188075.00	0.00026	651729.00	4188986.00	0.00034
651726.00	4189755.00	0.00040	652233.00	4190966.00	0.00034

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PLINE19 ***
INCLUDING SOURCE(S): L0012976 , L0012977 , L0012978 , L0012979 , L0012980 ,
L0012981 , L0012982 , L0012983 , L0012984 , L0012985 , L0012986 , L0012987 , L0012988 ,
L0012989 , L0012990 , L0012991 , L0012992 , L0012993 , L0012994 , L0012995 , L0012996 ,
L0012997 , L0012998 , L0012999 , L0013000 , L0013001 , L0013002 , L0013003 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00027	652658.00	4191223.00	0.00015
653409.00	4191269.00	0.00011			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0003121 , L0003122 , L0003123 , L0003124 , L0003125 ,
L0003126 , L0003127 , L0003128 , L0003129 , L0003130 , L0003131 , L0003132 , L0003133 ,
L0003134 , L0003135 , L0003136 , L0003137 , L0003138 , L0003139 , L0003140 , L0003141 ,
L0003142 , L0003143 , L0003144 , L0003145 , L0003146 , L0003147 , L0003148 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00114	652891.80	4188749.57	0.00180
652898.61	4188748.60	0.00179	652730.73	4191196.29	0.03629
653028.05	4191206.02	0.04166	653168.20	4189206.02	0.00266
653262.60	4189205.05	0.00273	653289.85	4188796.29	0.00181
653273.79	4188795.32	0.00180	653278.66	4188701.89	0.00166
653231.46	4188709.19	0.00166	653231.94	4188697.51	0.00164
653205.18	4188697.02	0.00163	653253.35	4188006.51	0.00101
653168.68	4188005.54	0.00101	653158.46	4188015.27	0.00101
653154.57	4188111.13	0.00107	653138.03	4188112.11	0.00107
653136.57	4188089.23	0.00106	653070.87	4188087.29	0.00106
653060.65	4188096.53	0.00107	653048.49	4188105.78	0.00107
653034.86	4188105.78	0.00108	653031.94	4188160.28	0.00111
652932.84	4188184.36	0.00116	652931.05	4188208.94	0.00118
652929.27	4188233.51	0.00120	652927.48	4188258.09	0.00122
652925.70	4188282.66	0.00124	652923.92	4188307.24	0.00126
652922.13	4188331.81	0.00128	652920.35	4188356.38	0.00131
652918.56	4188380.96	0.00133	652916.78	4188405.53	0.00136
652914.99	4188430.11	0.00138	652913.21	4188454.68	0.00141
652911.43	4188479.25	0.00144	652909.64	4188503.83	0.00146
652907.86	4188528.40	0.00149	652906.07	4188552.98	0.00152
652904.29	4188577.55	0.00155	652902.51	4188602.13	0.00159
652900.72	4188626.70	0.00162	652898.94	4188651.27	0.00165
652897.15	4188675.85	0.00169	652895.37	4188700.42	0.00173
652893.58	4188725.00	0.00176	652896.91	4188773.32	0.00184
652895.22	4188798.05	0.00188	652893.52	4188822.77	0.00192
652891.83	4188847.50	0.00197	652890.13	4188872.22	0.00201
652888.44	4188896.94	0.00206	652886.74	4188921.67	0.00211
652885.04	4188946.39	0.00216	652883.35	4188971.12	0.00221
652881.65	4188995.84	0.00227	652879.96	4189020.57	0.00233
652878.26	4189045.29	0.00239	652876.57	4189070.01	0.00245
652874.87	4189094.74	0.00251	652873.17	4189119.46	0.00258
652871.48	4189144.19	0.00265	652869.78	4189168.91	0.00272
652868.09	4189193.63	0.00280	652866.39	4189218.36	0.00288
652864.69	4189243.08	0.00296	652863.00	4189267.81	0.00305
652861.30	4189292.53	0.00314	652859.61	4189317.26	0.00323
652857.91	4189341.98	0.00333	652856.22	4189366.70	0.00344
652854.52	4189391.43	0.00355	652852.82	4189416.15	0.00366

652851.13	4189440.88	0.00378	652849.43	4189465.60	0.00391
652847.74	4189490.32	0.00405	652846.04	4189515.05	0.00419
652844.35	4189539.77	0.00434	652842.65	4189564.50	0.00450

**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0003121 , L0003122 , L0003123 , L0003124 , L0003125 ,
L0003126 , L0003127 , L0003128 , L0003129 , L0003130 , L0003131 , L0003132 , L0003133 ,
L0003134 , L0003135 , L0003136 , L0003137 , L0003138 , L0003139 , L0003140 , L0003141 ,
L0003142 , L0003143 , L0003144 , L0003145 , L0003146 , L0003147 , L0003148 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00467	652839.26	4189613.94	0.00485
652837.56	4189638.67	0.00503	652835.87	4189663.39	0.00522
652834.17	4189688.12	0.00542	652832.48	4189712.84	0.00563
652830.78	4189737.57	0.00585	652829.08	4189762.29	0.00607
652827.39	4189787.01	0.00630	652825.69	4189811.74	0.00653
652824.00	4189836.46	0.00678	652822.30	4189861.19	0.00704
652820.61	4189885.91	0.00731	652818.91	4189910.63	0.00760
652817.21	4189935.36	0.00791	652815.52	4189960.08	0.00824
652813.82	4189984.81	0.00860	652812.13	4190009.53	0.00899
652810.43	4190034.26	0.00941	652808.73	4190058.98	0.00985
652807.04	4190083.70	0.01031	652805.34	4190108.43	0.01078
652803.65	4190133.15	0.01126	652801.95	4190157.88	0.01179
652800.26	4190182.60	0.01235	652798.56	4190207.32	0.01294
652796.86	4190232.05	0.01356	652795.17	4190256.77	0.01419
652793.47	4190281.50	0.01480	652791.78	4190306.22	0.01539
652790.08	4190330.95	0.01596	652788.39	4190355.67	0.01651
652786.69	4190380.39	0.01704	652784.99	4190405.12	0.01754
652783.30	4190429.84	0.01801	652781.60	4190454.57	0.01845
652779.91	4190479.29	0.01885	652778.21	4190504.01	0.01922
652776.52	4190528.74	0.01956	652774.82	4190553.46	0.01988
652773.12	4190578.19	0.02018	652771.43	4190602.91	0.02047
652769.73	4190627.63	0.02074	652768.04	4190652.36	0.02101
652766.34	4190677.08	0.02126	652764.65	4190701.81	0.02151
652762.95	4190726.53	0.02176	652761.25	4190751.26	0.02201
652759.56	4190775.98	0.02227	652757.86	4190800.70	0.02256
652756.17	4190825.43	0.02287	652754.47	4190850.15	0.02322
652752.77	4190874.88	0.02362	652751.08	4190899.60	0.02409
652749.38	4190924.32	0.02463	652747.69	4190949.05	0.02527
652745.99	4190973.77	0.02603	652744.30	4190998.50	0.02695
652742.60	4191023.22	0.02805	652740.90	4191047.95	0.02940
652739.21	4191072.67	0.03109	652737.51	4191097.39	0.03327
652735.82	4191122.12	0.03627	652734.12	4191146.84	0.03995
652732.43	4191171.57	0.03734	652755.51	4191197.10	0.03437
652780.28	4191197.91	0.03815	652805.06	4191198.72	0.03635
652829.84	4191199.53	0.04026	652854.61	4191200.34	0.03870
652879.39	4191201.16	0.04292	652904.17	4191201.97	0.04110
652928.94	4191202.78	0.04154	652953.72	4191203.59	0.03439
652978.50	4191204.40	0.03417	653003.27	4191205.21	0.03268
653029.78	4191181.33	0.04664	653031.51	4191156.64	0.05241
653033.24	4191131.95	0.05511	653034.97	4191107.25	0.05235

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0003121 , L0003122 , L0003123 , L0003124 , L0003125 ,
L0003126 , L0003127 , L0003128 , L0003129 , L0003130 , L0003131 , L0003132 , L0003133 ,
L0003134 , L0003135 , L0003136 , L0003137 , L0003138 , L0003139 , L0003140 , L0003141 ,
L0003142 , L0003143 , L0003144 , L0003145 , L0003146 , L0003147 , L0003148 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.04767	653038.43	4191057.87	0.05130
653040.16	4191033.18	0.04688	653041.89	4191008.49	0.04906
653043.62	4190983.80	0.04205	653045.35	4190959.11	0.04753
653047.08	4190934.42	0.04478	653048.81	4190909.72	0.04570
653050.54	4190885.03	0.04347	653052.27	4190860.34	0.04456
653054.00	4190835.65	0.04268	653055.73	4190810.96	0.04458
653057.46	4190786.27	0.04234	653059.19	4190761.58	0.04489
653060.92	4190736.88	0.04568	653062.65	4190712.19	0.04475
653064.39	4190687.50	0.04545	653066.12	4190662.81	0.04467
653067.85	4190638.12	0.04200	653069.58	4190613.43	0.04446
653071.31	4190588.74	0.04173	653073.04	4190564.04	0.04393
653074.77	4190539.35	0.04123	653076.50	4190514.66	0.04280
653078.23	4190489.97	0.04020	653079.96	4190465.28	0.04130
653081.69	4190440.59	0.03798	653083.42	4190415.90	0.03913
653085.15	4190391.21	0.03433	653086.88	4190366.51	0.03228
653088.61	4190341.82	0.03341	653090.34	4190317.13	0.03150
653092.07	4190292.44	0.03219	653093.80	4190267.75	0.03045
653095.53	4190243.06	0.03069	653097.26	4190218.37	0.02796
653098.99	4190193.67	0.02818	653100.72	4190168.98	0.02684
653102.45	4190144.29	0.02778	653104.18	4190119.60	0.02692
653105.91	4190094.91	0.02146	653107.64	4190070.22	0.01780
653109.37	4190045.53	0.01531	653111.10	4190020.83	0.01349
653112.83	4189996.14	0.01209	653114.56	4189971.45	0.01097
653116.29	4189946.76	0.01004	653118.02	4189922.07	0.00927
653119.75	4189897.38	0.00860	653121.48	4189872.69	0.00802
653123.21	4189848.00	0.00752	653124.94	4189823.30	0.00707
653126.67	4189798.61	0.00667	653128.40	4189773.92	0.00631
653130.13	4189749.23	0.00599	653131.86	4189724.54	0.00570
653133.60	4189699.85	0.00543	653135.33	4189675.16	0.00518
653137.06	4189650.46	0.00495	653138.79	4189625.77	0.00474
653140.52	4189601.08	0.00455	653142.25	4189576.39	0.00437
653143.98	4189551.70	0.00420	653145.71	4189527.01	0.00404
653147.44	4189502.32	0.00390	653149.17	4189477.62	0.00376
653150.90	4189452.93	0.00363	653152.63	4189428.24	0.00351
653154.36	4189403.55	0.00339	653156.09	4189378.86	0.00328
653157.82	4189354.17	0.00318	653159.55	4189329.48	0.00308
653161.28	4189304.79	0.00299	653163.01	4189280.09	0.00290
653164.74	4189255.40	0.00282	653166.47	4189230.71	0.00274
653191.80	4189205.78	0.00267	653215.40	4189205.54	0.00269
653239.00	4189205.29	0.00271	653264.20	4189181.01	0.00266

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0003121 , L0003122 , L0003123 , L0003124 , L0003125 ,

L0003126 , L0003127 , L0003128 , L0003129 , L0003130 , L0003131 , L0003132 , L0003133 ,
L0003134 , L0003135 , L0003136 , L0003137 , L0003138 , L0003139 , L0003140 , L0003141 ,
L0003142 , L0003143 , L0003144 , L0003145 , L0003146 , L0003147 , L0003148 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00259	653267.41	4189132.92	0.00252
653269.01	4189108.87	0.00245	653270.61	4189084.83	0.00239
653272.22	4189060.78	0.00233	653273.82	4189036.74	0.00228
653275.42	4189012.69	0.00222	653277.03	4188988.65	0.00217
653278.63	4188964.60	0.00212	653280.23	4188940.56	0.00207
653281.84	4188916.51	0.00202	653283.44	4188892.47	0.00198
653285.04	4188868.42	0.00193	653286.64	4188844.38	0.00189
653288.25	4188820.33	0.00185	653275.01	4188771.96	0.00177
653276.23	4188748.61	0.00173	653277.44	4188725.25	0.00170
653255.06	4188705.54	0.00166	653218.56	4188697.26	0.00164
653206.90	4188672.36	0.00160	653208.62	4188647.70	0.00157
653210.34	4188623.04	0.00154	653212.06	4188598.38	0.00151
653213.78	4188573.71	0.00148	653215.50	4188549.05	0.00146
653217.22	4188524.39	0.00143	653218.94	4188499.73	0.00140
653220.66	4188475.07	0.00138	653222.38	4188450.41	0.00135
653224.10	4188425.75	0.00133	653225.82	4188401.09	0.00131
653227.54	4188376.43	0.00128	653229.27	4188351.76	0.00126
653230.99	4188327.10	0.00124	653232.71	4188302.44	0.00122
653234.43	4188277.78	0.00120	653236.15	4188253.12	0.00118
653237.87	4188228.46	0.00116	653239.59	4188203.80	0.00114
653241.31	4188179.14	0.00112	653243.03	4188154.48	0.00111
653244.75	4188129.82	0.00109	653246.47	4188105.15	0.00107
653248.19	4188080.49	0.00106	653249.91	4188055.83	0.00104
653251.63	4188031.17	0.00103	653232.18	4188006.27	0.00101
653211.02	4188006.03	0.00101	653189.85	4188005.78	0.00101
653157.49	4188039.24	0.00103	653156.51	4188063.20	0.00104
653155.54	4188087.17	0.00106	653114.67	4188088.58	0.00106
653092.77	4188087.94	0.00106	653033.89	4188123.95	0.00109
653032.91	4188142.11	0.00110	653007.61	4188160.16	0.00112
652983.28	4188160.04	0.00112	652958.95	4188159.91	0.00113
653604.00	4191168.00	0.01778	653588.00	4190933.00	0.01533
653594.00	4189999.00	0.00887	653476.00	4189883.00	0.00820
653354.00	4189808.00	0.00749	653542.00	4189703.00	0.00574
653628.00	4189498.00	0.00417	653633.00	4189382.00	0.00363
653629.00	4189120.00	0.00275	653407.00	4188788.00	0.00187
653666.00	4188604.00	0.00172	653683.00	4188423.00	0.00149
653572.00	4188259.00	0.00128	653620.00	4187985.00	0.00108
653337.00	4187981.00	0.00100	652989.00	4188122.00	0.00109
651751.00	4188075.00	0.00104	651729.00	4188986.00	0.00146
651726.00	4189755.00	0.00234	652233.00	4190966.00	0.01029

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE20 ***
INCLUDING SOURCE(S): L0003121 , L0003122 , L0003123 , L0003124 , L0003125 ,

L0003126 , L0003127 , L0003128 , L0003129 , L0003130 , L0003131 , L0003132 , L0003133 ,
L0003134 , L0003135 , L0003136 , L0003137 , L0003138 , L0003139 , L0003140 , L0003141 ,
L0003142 , L0003143 , L0003144 , L0003145 , L0003146 , L0003147 , L0003148 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.01025	652658.00	4191223.00	0.02953
653409.00	4191269.00	0.02524			

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IWTP ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00026	652891.80	4188749.57	0.00010
652898.61	4188748.60	0.00010	652730.73	4191196.29	0.00001
653028.05	4191206.02	0.00001	653168.20	4189206.02	0.00003
653262.60	4189205.05	0.00003	653289.85	4188796.29	0.00004
653273.79	4188795.32	0.00004	653278.66	4188701.89	0.00005
653231.46	4188709.19	0.00005	653231.94	4188697.51	0.00005
653205.18	4188697.02	0.00005	653253.35	4188006.51	0.00209
653168.68	4188005.54	0.00068	653158.46	4188015.27	0.00064
653154.57	4188111.13	0.00068	653138.03	4188112.11	0.00064
653136.57	4188089.23	0.00058	653070.87	4188087.29	0.00036
653060.65	4188096.53	0.00034	653048.49	4188105.78	0.00033
653034.86	4188105.78	0.00030	653031.94	4188160.28	0.00045
652932.84	4188184.36	0.00029	652931.05	4188208.94	0.00032
652929.27	4188233.51	0.00034	652927.48	4188258.09	0.00036
652925.70	4188282.66	0.00039	652923.92	4188307.24	0.00041
652922.13	4188331.81	0.00042	652920.35	4188356.38	0.00041
652918.56	4188380.96	0.00039	652916.78	4188405.53	0.00037
652914.99	4188430.11	0.00033	652913.21	4188454.68	0.00030
652911.43	4188479.25	0.00027	652909.64	4188503.83	0.00025
652907.86	4188528.40	0.00022	652906.07	4188552.98	0.00020
652904.29	4188577.55	0.00018	652902.51	4188602.13	0.00016
652900.72	4188626.70	0.00015	652898.94	4188651.27	0.00014
652897.15	4188675.85	0.00012	652895.37	4188700.42	0.00011
652893.58	4188725.00	0.00011	652896.91	4188773.32	0.00009
652895.22	4188798.05	0.00008	652893.52	4188822.77	0.00008
652891.83	4188847.50	0.00007	652890.13	4188872.22	0.00007
652888.44	4188896.94	0.00007	652886.74	4188921.67	0.00006
652885.04	4188946.39	0.00006	652883.35	4188971.12	0.00006
652881.65	4188995.84	0.00005	652879.96	4189020.57	0.00005
652878.26	4189045.29	0.00005	652876.57	4189070.01	0.00005
652874.87	4189094.74	0.00004	652873.17	4189119.46	0.00004
652871.48	4189144.19	0.00004	652869.78	4189168.91	0.00004
652868.09	4189193.63	0.00004	652866.39	4189218.36	0.00004
652864.69	4189243.08	0.00004	652863.00	4189267.81	0.00004
652861.30	4189292.53	0.00003	652859.61	4189317.26	0.00003
652857.91	4189341.98	0.00003	652856.22	4189366.70	0.00003
652854.52	4189391.43	0.00003	652852.82	4189416.15	0.00003
652851.13	4189440.88	0.00003	652849.43	4189465.60	0.00003
652847.74	4189490.32	0.00003	652846.04	4189515.05	0.00003
652844.35	4189539.77	0.00003	652842.65	4189564.50	0.00003

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IWTP ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00003	652839.26	4189613.94	0.00003
652837.56	4189638.67	0.00003	652835.87	4189663.39	0.00003
652834.17	4189688.12	0.00003	652832.48	4189712.84	0.00002
652830.78	4189737.57	0.00002	652829.08	4189762.29	0.00002
652827.39	4189787.01	0.00002	652825.69	4189811.74	0.00002
652824.00	4189836.46	0.00002	652822.30	4189861.19	0.00002
652820.61	4189885.91	0.00002	652818.91	4189910.63	0.00002
652817.21	4189935.36	0.00002	652815.52	4189960.08	0.00002
652813.82	4189984.81	0.00002	652812.13	4190009.53	0.00002
652810.43	4190034.26	0.00002	652808.73	4190058.98	0.00002
652807.04	4190083.70	0.00002	652805.34	4190108.43	0.00002
652803.65	4190133.15	0.00002	652801.95	4190157.88	0.00002
652800.26	4190182.60	0.00002	652798.56	4190207.32	0.00002
652796.86	4190232.05	0.00002	652795.17	4190256.77	0.00002
652793.47	4190281.50	0.00002	652791.78	4190306.22	0.00002
652790.08	4190330.95	0.00002	652788.39	4190355.67	0.00002
652786.69	4190380.39	0.00002	652784.99	4190405.12	0.00002
652783.30	4190429.84	0.00002	652781.60	4190454.57	0.00002
652779.91	4190479.29	0.00002	652778.21	4190504.01	0.00001
652776.52	4190528.74	0.00001	652774.82	4190553.46	0.00001
652773.12	4190578.19	0.00001	652771.43	4190602.91	0.00001
652769.73	4190627.63	0.00001	652768.04	4190652.36	0.00001
652766.34	4190677.08	0.00001	652764.65	4190701.81	0.00001
652762.95	4190726.53	0.00001	652761.25	4190751.26	0.00001
652759.56	4190775.98	0.00001	652757.86	4190800.70	0.00001
652756.17	4190825.43	0.00001	652754.47	4190850.15	0.00001
652752.77	4190874.88	0.00001	652751.08	4190899.60	0.00001
652749.38	4190924.32	0.00001	652747.69	4190949.05	0.00001
652745.99	4190973.77	0.00001	652744.30	4190998.50	0.00001
652742.60	4191023.22	0.00001	652740.90	4191047.95	0.00001
652739.21	4191072.67	0.00001	652737.51	4191097.39	0.00001
652735.82	4191122.12	0.00001	652734.12	4191146.84	0.00001
652732.43	4191171.57	0.00001	652755.51	4191197.10	0.00001
652780.28	4191197.91	0.00001	652805.06	4191198.72	0.00001
652829.84	4191199.53	0.00001	652854.61	4191200.34	0.00001
652879.39	4191201.16	0.00001	652904.17	4191201.97	0.00001
652928.94	4191202.78	0.00001	652953.72	4191203.59	0.00001
652978.50	4191204.40	0.00001	653003.27	4191205.21	0.00001
653029.78	4191181.33	0.00001	653031.51	4191156.64	0.00001
653033.24	4191131.95	0.00001	653034.97	4191107.25	0.00001

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IWTP ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC

653036.70	4191082.56	0.00001	653038.43	4191057.87	0.00001
653040.16	4191033.18	0.00001	653041.89	4191008.49	0.00001
653043.62	4190983.80	0.00001	653045.35	4190959.11	0.00001
653047.08	4190934.42	0.00001	653048.81	4190909.72	0.00001
653050.54	4190885.03	0.00001	653052.27	4190860.34	0.00001
653054.00	4190835.65	0.00001	653055.73	4190810.96	0.00001
653057.46	4190786.27	0.00001	653059.19	4190761.58	0.00001
653060.92	4190736.88	0.00001	653062.65	4190712.19	0.00001
653064.39	4190687.50	0.00001	653066.12	4190662.81	0.00001
653067.85	4190638.12	0.00001	653069.58	4190613.43	0.00001
653071.31	4190588.74	0.00001	653073.04	4190564.04	0.00001
653074.77	4190539.35	0.00001	653076.50	4190514.66	0.00001
653078.23	4190489.97	0.00001	653079.96	4190465.28	0.00001
653081.69	4190440.59	0.00001	653083.42	4190415.90	0.00001
653085.15	4190391.21	0.00001	653086.88	4190366.51	0.00001
653088.61	4190341.82	0.00001	653090.34	4190317.13	0.00002
653092.07	4190292.44	0.00002	653093.80	4190267.75	0.00002
653095.53	4190243.06	0.00002	653097.26	4190218.37	0.00002
653098.99	4190193.67	0.00002	653100.72	4190168.98	0.00002
653102.45	4190144.29	0.00002	653104.18	4190119.60	0.00002
653105.91	4190094.91	0.00002	653107.64	4190070.22	0.00002
653109.37	4190045.53	0.00002	653111.10	4190020.83	0.00002
653112.83	4189996.14	0.00002	653114.56	4189971.45	0.00002
653116.29	4189946.76	0.00002	653118.02	4189922.07	0.00002
653119.75	4189897.38	0.00002	653121.48	4189872.69	0.00002
653123.21	4189848.00	0.00002	653124.94	4189823.30	0.00002
653126.67	4189798.61	0.00002	653128.40	4189773.92	0.00002
653130.13	4189749.23	0.00002	653131.86	4189724.54	0.00002
653133.60	4189699.85	0.00002	653135.33	4189675.16	0.00002
653137.06	4189650.46	0.00002	653138.79	4189625.77	0.00002
653140.52	4189601.08	0.00002	653142.25	4189576.39	0.00002
653143.98	4189551.70	0.00002	653145.71	4189527.01	0.00002
653147.44	4189502.32	0.00002	653149.17	4189477.62	0.00002
653150.90	4189452.93	0.00002	653152.63	4189428.24	0.00002
653154.36	4189403.55	0.00002	653156.09	4189378.86	0.00002
653157.82	4189354.17	0.00002	653159.55	4189329.48	0.00002
653161.28	4189304.79	0.00002	653163.01	4189280.09	0.00002
653164.74	4189255.40	0.00003	653166.47	4189230.71	0.00003
653191.80	4189205.78	0.00003	653215.40	4189205.54	0.00003
653239.00	4189205.29	0.00003	653264.20	4189181.01	0.00003

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IWTP ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00003	653267.41	4189132.92	0.00003
653269.01	4189108.87	0.00003	653270.61	4189084.83	0.00003
653272.22	4189060.78	0.00003	653273.82	4189036.74	0.00003
653275.42	4189012.69	0.00003	653277.03	4188988.65	0.00003
653278.63	4188964.60	0.00003	653280.23	4188940.56	0.00003
653281.84	4188916.51	0.00003	653283.44	4188892.47	0.00003
653285.04	4188868.42	0.00004	653286.64	4188844.38	0.00004

653288.25	4188820.33	0.00004	653275.01	4188771.96	0.00004
653276.23	4188748.61	0.00004	653277.44	4188725.25	0.00004
653255.06	4188705.54	0.00005	653218.56	4188697.26	0.00005
653206.90	4188672.36	0.00005	653208.62	4188647.70	0.00006
653210.34	4188623.04	0.00006	653212.06	4188598.38	0.00006
653213.78	4188573.71	0.00007	653215.50	4188549.05	0.00007
653217.22	4188524.39	0.00008	653218.94	4188499.73	0.00009
653220.66	4188475.07	0.00010	653222.38	4188450.41	0.00011
653224.10	4188425.75	0.00012	653225.82	4188401.09	0.00013
653227.54	4188376.43	0.00015	653229.27	4188351.76	0.00017
653230.99	4188327.10	0.00020	653232.71	4188302.44	0.00024
653234.43	4188277.78	0.00029	653236.15	4188253.12	0.00036
653237.87	4188228.46	0.00047	653239.59	4188203.80	0.00073
653241.31	4188179.14	0.00178	653243.03	4188154.48	0.00668
653244.75	4188129.82	0.01116	653246.47	4188105.15	0.00978
653248.19	4188080.49	0.00664	653249.91	4188055.83	0.00432
653251.63	4188031.17	0.00293	653232.18	4188006.27	0.00176
653211.02	4188006.03	0.00133	653189.85	4188005.78	0.00093
653157.49	4188039.24	0.00071	653156.51	4188063.20	0.00076
653155.54	4188087.17	0.00075	653114.67	4188088.58	0.00048
653092.77	4188087.94	0.00042	653033.89	4188123.95	0.00033
653032.91	4188142.11	0.00039	653007.61	4188160.16	0.00038
652983.28	4188160.04	0.00033	652958.95	4188159.91	0.00030
653604.00	4191168.00	0.00001	653588.00	4190933.00	0.00001
653594.00	4189999.00	0.00002	653476.00	4189883.00	0.00002
653354.00	4189808.00	0.00002	653542.00	4189703.00	0.00002
653628.00	4189498.00	0.00002	653633.00	4189382.00	0.00002
653629.00	4189120.00	0.00002	653407.00	4188788.00	0.00004
653666.00	4188604.00	0.00005	653683.00	4188423.00	0.00012
653572.00	4188259.00	0.00041	653620.00	4187985.00	0.00069
653337.00	4187981.00	0.00181	652989.00	4188122.00	0.00026
651751.00	4188075.00	0.00005	651729.00	4188986.00	0.00006
651726.00	4189755.00	0.00005	652233.00	4190966.00	0.00002

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IWTP ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00001	652658.00	4191223.00	0.00001
653409.00	4191269.00	0.00001			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GATE ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00004	652891.80	4188749.57	0.00005
652898.61	4188748.60	0.00005	652730.73	4191196.29	0.00022
653028.05	4191206.02	0.00009	653168.20	4189206.02	0.00007
653262.60	4189205.05	0.00007	653289.85	4188796.29	0.00006

653273.79	4188795.32	0.00005	653278.66	4188701.89	0.00005
653231.46	4188709.19	0.00005	653231.94	4188697.51	0.00005
653205.18	4188697.02	0.00005	653253.35	4188006.51	0.00004
653168.68	4188005.54	0.00004	653158.46	4188015.27	0.00004
653154.57	4188111.13	0.00004	653138.03	4188112.11	0.00004
653136.57	4188089.23	0.00004	653070.87	4188087.29	0.00004
653060.65	4188096.53	0.00004	653048.49	4188105.78	0.00004
653034.86	4188105.78	0.00004	653031.94	4188160.28	0.00004
652932.84	4188184.36	0.00004	652931.05	4188208.94	0.00004
652929.27	4188233.51	0.00004	652927.48	4188258.09	0.00004
652925.70	4188282.66	0.00004	652923.92	4188307.24	0.00004
652922.13	4188331.81	0.00004	652920.35	4188356.38	0.00004
652918.56	4188380.96	0.00004	652916.78	4188405.53	0.00004
652914.99	4188430.11	0.00004	652913.21	4188454.68	0.00004
652911.43	4188479.25	0.00004	652909.64	4188503.83	0.00004
652907.86	4188528.40	0.00004	652906.07	4188552.98	0.00004
652904.29	4188577.55	0.00004	652902.51	4188602.13	0.00005
652900.72	4188626.70	0.00005	652898.94	4188651.27	0.00005
652897.15	4188675.85	0.00005	652895.37	4188700.42	0.00005
652893.58	4188725.00	0.00005	652896.91	4188773.32	0.00005
652895.22	4188798.05	0.00005	652893.52	4188822.77	0.00005
652891.83	4188847.50	0.00005	652890.13	4188872.22	0.00005
652888.44	4188896.94	0.00005	652886.74	4188921.67	0.00005
652885.04	4188946.39	0.00005	652883.35	4188971.12	0.00005
652881.65	4188995.84	0.00005	652879.96	4189020.57	0.00006
652878.26	4189045.29	0.00006	652876.57	4189070.01	0.00006
652874.87	4189094.74	0.00006	652873.17	4189119.46	0.00006
652871.48	4189144.19	0.00006	652869.78	4189168.91	0.00006
652868.09	4189193.63	0.00006	652866.39	4189218.36	0.00006
652864.69	4189243.08	0.00006	652863.00	4189267.81	0.00006
652861.30	4189292.53	0.00006	652859.61	4189317.26	0.00007
652857.91	4189341.98	0.00007	652856.22	4189366.70	0.00007
652854.52	4189391.43	0.00007	652852.82	4189416.15	0.00007
652851.13	4189440.88	0.00007	652849.43	4189465.60	0.00007
652847.74	4189490.32	0.00007	652846.04	4189515.05	0.00007
652844.35	4189539.77	0.00007	652842.65	4189564.50	0.00007

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GATE ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00008	652839.26	4189613.94	0.00008
652837.56	4189638.67	0.00008	652835.87	4189663.39	0.00008
652834.17	4189688.12	0.00008	652832.48	4189712.84	0.00008
652830.78	4189737.57	0.00008	652829.08	4189762.29	0.00009
652827.39	4189787.01	0.00009	652825.69	4189811.74	0.00009
652824.00	4189836.46	0.00009	652822.30	4189861.19	0.00009
652820.61	4189885.91	0.00010	652818.91	4189910.63	0.00010
652817.21	4189935.36	0.00010	652815.52	4189960.08	0.00010
652813.82	4189984.81	0.00010	652812.13	4190009.53	0.00011
652810.43	4190034.26	0.00011	652808.73	4190058.98	0.00011
652807.04	4190083.70	0.00011	652805.34	4190108.43	0.00011

652803.65	4190133.15	0.00011	652801.95	4190157.88	0.00011
652800.26	4190182.60	0.00011	652798.56	4190207.32	0.00011
652796.86	4190232.05	0.00010	652795.17	4190256.77	0.00010
652793.47	4190281.50	0.00010	652791.78	4190306.22	0.00010
652790.08	4190330.95	0.00010	652788.39	4190355.67	0.00010
652786.69	4190380.39	0.00010	652784.99	4190405.12	0.00010
652783.30	4190429.84	0.00011	652781.60	4190454.57	0.00011
652779.91	4190479.29	0.00012	652778.21	4190504.01	0.00012
652776.52	4190528.74	0.00013	652774.82	4190553.46	0.00013
652773.12	4190578.19	0.00014	652771.43	4190602.91	0.00014
652769.73	4190627.63	0.00014	652768.04	4190652.36	0.00015
652766.34	4190677.08	0.00017	652764.65	4190701.81	0.00019
652762.95	4190726.53	0.00021	652761.25	4190751.26	0.00023
652759.56	4190775.98	0.00025	652757.86	4190800.70	0.00027
652756.17	4190825.43	0.00030	652754.47	4190850.15	0.00032
652752.77	4190874.88	0.00035	652751.08	4190899.60	0.00038
652749.38	4190924.32	0.00039	652747.69	4190949.05	0.00040
652745.99	4190973.77	0.00040	652744.30	4190998.50	0.00039
652742.60	4191023.22	0.00037	652740.90	4191047.95	0.00035
652739.21	4191072.67	0.00032	652737.51	4191097.39	0.00030
652735.82	4191122.12	0.00028	652734.12	4191146.84	0.00026
652732.43	4191171.57	0.00024	652755.51	4191197.10	0.00021
652780.28	4191197.91	0.00020	652805.06	4191198.72	0.00019
652829.84	4191199.53	0.00018	652854.61	4191200.34	0.00017
652879.39	4191201.16	0.00015	652904.17	4191201.97	0.00014
652928.94	4191202.78	0.00013	652953.72	4191203.59	0.00012
652978.50	4191204.40	0.00010	653003.27	4191205.21	0.00009
653029.78	4191181.33	0.00009	653031.51	4191156.64	0.00010
653033.24	4191131.95	0.00011	653034.97	4191107.25	0.00012

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GATE ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00013	653038.43	4191057.87	0.00015
653040.16	4191033.18	0.00016	653041.89	4191008.49	0.00018
653043.62	4190983.80	0.00020	653045.35	4190959.11	0.00023
653047.08	4190934.42	0.00027	653048.81	4190909.72	0.00032
653050.54	4190885.03	0.00038	653052.27	4190860.34	0.00046
653054.00	4190835.65	0.00057	653055.73	4190810.96	0.00073
653057.46	4190786.27	0.00097	653059.19	4190761.58	0.00130
653060.92	4190736.88	0.00151	653062.65	4190712.19	0.00028
653064.39	4190687.50	0.00001	653066.12	4190662.81	0.00101
653067.85	4190638.12	0.00155	653069.58	4190613.43	0.00139
653071.31	4190588.74	0.00116	653073.04	4190564.04	0.00097
653074.77	4190539.35	0.00083	653076.50	4190514.66	0.00071
653078.23	4190489.97	0.00062	653079.96	4190465.28	0.00055
653081.69	4190440.59	0.00050	653083.42	4190415.90	0.00045
653085.15	4190391.21	0.00041	653086.88	4190366.51	0.00037
653088.61	4190341.82	0.00034	653090.34	4190317.13	0.00031
653092.07	4190292.44	0.00029	653093.80	4190267.75	0.00027
653095.53	4190243.06	0.00025	653097.26	4190218.37	0.00024

653098.99	4190193.67	0.00022	653100.72	4190168.98	0.00021
653102.45	4190144.29	0.00020	653104.18	4190119.60	0.00019
653105.91	4190094.91	0.00018	653107.64	4190070.22	0.00017
653109.37	4190045.53	0.00016	653111.10	4190020.83	0.00016
653112.83	4189996.14	0.00015	653114.56	4189971.45	0.00015
653116.29	4189946.76	0.00014	653118.02	4189922.07	0.00014
653119.75	4189897.38	0.00013	653121.48	4189872.69	0.00013
653123.21	4189848.00	0.00012	653124.94	4189823.30	0.00012
653126.67	4189798.61	0.00011	653128.40	4189773.92	0.00011
653130.13	4189749.23	0.00011	653131.86	4189724.54	0.00010
653133.60	4189699.85	0.00010	653135.33	4189675.16	0.00010
653137.06	4189650.46	0.00010	653138.79	4189625.77	0.00009
653140.52	4189601.08	0.00009	653142.25	4189576.39	0.00009
653143.98	4189551.70	0.00009	653145.71	4189527.01	0.00009
653147.44	4189502.32	0.00008	653149.17	4189477.62	0.00008
653150.90	4189452.93	0.00008	653152.63	4189428.24	0.00008
653154.36	4189403.55	0.00008	653156.09	4189378.86	0.00008
653157.82	4189354.17	0.00007	653159.55	4189329.48	0.00007
653161.28	4189304.79	0.00007	653163.01	4189280.09	0.00007
653164.74	4189255.40	0.00007	653166.47	4189230.71	0.00007
653191.80	4189205.78	0.00007	653215.40	4189205.54	0.00007
653239.00	4189205.29	0.00007	653264.20	4189181.01	0.00007

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GATE ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00007	653267.41	4189132.92	0.00007
653269.01	4189108.87	0.00007	653270.61	4189084.83	0.00007
653272.22	4189060.78	0.00007	653273.82	4189036.74	0.00006
653275.42	4189012.69	0.00006	653277.03	4188988.65	0.00006
653278.63	4188964.60	0.00006	653280.23	4188940.56	0.00006
653281.84	4188916.51	0.00006	653283.44	4188892.47	0.00006
653285.04	4188868.42	0.00006	653286.64	4188844.38	0.00006
653288.25	4188820.33	0.00006	653275.01	4188771.96	0.00005
653276.23	4188748.61	0.00005	653277.44	4188725.25	0.00005
653255.06	4188705.54	0.00005	653218.56	4188697.26	0.00005
653206.90	4188672.36	0.00005	653208.62	4188647.70	0.00005
653210.34	4188623.04	0.00005	653212.06	4188598.38	0.00005
653213.78	4188573.71	0.00005	653215.50	4188549.05	0.00005
653217.22	4188524.39	0.00005	653218.94	4188499.73	0.00005
653220.66	4188475.07	0.00004	653222.38	4188450.41	0.00004
653224.10	4188425.75	0.00004	653225.82	4188401.09	0.00004
653227.54	4188376.43	0.00004	653229.27	4188351.76	0.00004
653230.99	4188327.10	0.00004	653232.71	4188302.44	0.00004
653234.43	4188277.78	0.00004	653236.15	4188253.12	0.00004
653237.87	4188228.46	0.00004	653239.59	4188203.80	0.00004
653241.31	4188179.14	0.00004	653243.03	4188154.48	0.00004
653244.75	4188129.82	0.00004	653246.47	4188105.15	0.00004
653248.19	4188080.49	0.00004	653249.91	4188055.83	0.00004
653251.63	4188031.17	0.00004	653232.18	4188006.27	0.00004
653211.02	4188006.03	0.00004	653189.85	4188005.78	0.00004

653157.49	4188039.24	0.00004	653156.51	4188063.20	0.00004
653155.54	4188087.17	0.00004	653114.67	4188088.58	0.00004
653092.77	4188087.94	0.00004	653033.89	4188123.95	0.00004
653032.91	4188142.11	0.00004	653007.61	4188160.16	0.00004
652983.28	4188160.04	0.00004	652958.95	4188159.91	0.00004
653604.00	4191168.00	0.00007	653588.00	4190933.00	0.00024
653594.00	4189999.00	0.00030	653476.00	4189883.00	0.00023
653354.00	4189808.00	0.00018	653542.00	4189703.00	0.00017
653628.00	4189498.00	0.00013	653633.00	4189382.00	0.00012
653629.00	4189120.00	0.00009	653407.00	4188788.00	0.00006
653666.00	4188604.00	0.00007	653683.00	4188423.00	0.00006
653572.00	4188259.00	0.00005	653620.00	4187985.00	0.00004
653337.00	4187981.00	0.00004	652989.00	4188122.00	0.00004
651751.00	4188075.00	0.00003	651729.00	4188986.00	0.00003
651726.00	4189755.00	0.00004	652233.00	4190966.00	0.00010

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GATE ***
INCLUDING SOURCE(S): STCK2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00011	652658.00	4191223.00	0.00021
653409.00	4191269.00	0.00005			

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,
L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00101	652891.80	4188749.57	0.00443
652898.61	4188748.60	0.00456	652730.73	4191196.29	0.00040
653028.05	4191206.02	0.00033	653168.20	4189206.02	0.00410
653262.60	4189205.05	0.00306	653289.85	4188796.29	0.00298
653273.79	4188795.32	0.00312	653278.66	4188701.89	0.00306
653231.46	4188709.19	0.00354	653231.94	4188697.51	0.00354
653205.18	4188697.02	0.00388	653253.35	4188006.51	0.00078
653168.68	4188005.54	0.00074	653158.46	4188015.27	0.00075
653154.57	4188111.13	0.00095	653138.03	4188112.11	0.00093
653136.57	4188089.23	0.00088	653070.87	4188087.29	0.00082
653060.65	4188096.53	0.00084	653048.49	4188105.78	0.00085
653034.86	4188105.78	0.00085	653031.94	4188160.28	0.00097
652932.84	4188184.36	0.00108	652931.05	4188208.94	0.00116
652929.27	4188233.51	0.00124	652927.48	4188258.09	0.00134
652925.70	4188282.66	0.00144	652923.92	4188307.24	0.00156
652922.13	4188331.81	0.00168	652920.35	4188356.38	0.00182
652918.56	4188380.96	0.00199	652916.78	4188405.53	0.00217
652914.99	4188430.11	0.00238	652913.21	4188454.68	0.00260
652911.43	4188479.25	0.00287	652909.64	4188503.83	0.00314

652907.86	4188528.40	0.00340	652906.07	4188552.98	0.00363
652904.29	4188577.55	0.00382	652902.51	4188602.13	0.00398
652900.72	4188626.70	0.00410	652898.94	4188651.27	0.00419
652897.15	4188675.85	0.00427	652895.37	4188700.42	0.00433
652893.58	4188725.00	0.00438	652896.91	4188773.32	0.00460
652895.22	4188798.05	0.00464	652893.52	4188822.77	0.00467
652891.83	4188847.50	0.00470	652890.13	4188872.22	0.00472
652888.44	4188896.94	0.00474	652886.74	4188921.67	0.00476
652885.04	4188946.39	0.00478	652883.35	4188971.12	0.00479
652881.65	4188995.84	0.00481	652879.96	4189020.57	0.00482
652878.26	4189045.29	0.00483	652876.57	4189070.01	0.00484
652874.87	4189094.74	0.00485	652873.17	4189119.46	0.00486
652871.48	4189144.19	0.00487	652869.78	4189168.91	0.00487
652868.09	4189193.63	0.00488	652866.39	4189218.36	0.00489
652864.69	4189243.08	0.00489	652863.00	4189267.81	0.00489
652861.30	4189292.53	0.00490	652859.61	4189317.26	0.00490
652857.91	4189341.98	0.00490	652856.22	4189366.70	0.00491
652854.52	4189391.43	0.00491	652852.82	4189416.15	0.00491
652851.13	4189440.88	0.00491	652849.43	4189465.60	0.00491
652847.74	4189490.32	0.00491	652846.04	4189515.05	0.00491
652844.35	4189539.77	0.00491	652842.65	4189564.50	0.00491

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,
L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00491	652839.26	4189613.94	0.00491
652837.56	4189638.67	0.00490	652835.87	4189663.39	0.00490
652834.17	4189688.12	0.00490	652832.48	4189712.84	0.00490
652830.78	4189737.57	0.00489	652829.08	4189762.29	0.00489
652827.39	4189787.01	0.00488	652825.69	4189811.74	0.00488
652824.00	4189836.46	0.00487	652822.30	4189861.19	0.00486
652820.61	4189885.91	0.00486	652818.91	4189910.63	0.00485
652817.21	4189935.36	0.00484	652815.52	4189960.08	0.00483
652813.82	4189984.81	0.00482	652812.13	4190009.53	0.00481
652810.43	4190034.26	0.00480	652808.73	4190058.98	0.00478
652807.04	4190083.70	0.00477	652805.34	4190108.43	0.00475
652803.65	4190133.15	0.00474	652801.95	4190157.88	0.00472
652800.26	4190182.60	0.00470	652798.56	4190207.32	0.00468
652796.86	4190232.05	0.00466	652795.17	4190256.77	0.00463
652793.47	4190281.50	0.00460	652791.78	4190306.22	0.00458
652790.08	4190330.95	0.00454	652788.39	4190355.67	0.00451
652786.69	4190380.39	0.00447	652784.99	4190405.12	0.00443
652783.30	4190429.84	0.00438	652781.60	4190454.57	0.00433
652779.91	4190479.29	0.00427	652778.21	4190504.01	0.00421
652776.52	4190528.74	0.00414	652774.82	4190553.46	0.00406
652773.12	4190578.19	0.00397	652771.43	4190602.91	0.00388
652769.73	4190627.63	0.00377	652768.04	4190652.36	0.00365

652766.34	4190677.08	0.00352	652764.65	4190701.81	0.00338
652762.95	4190726.53	0.00321	652761.25	4190751.26	0.00299
652759.56	4190775.98	0.00271	652757.86	4190800.70	0.00236
652756.17	4190825.43	0.00198	652754.47	4190850.15	0.00164
652752.77	4190874.88	0.00136	652751.08	4190899.60	0.00115
652749.38	4190924.32	0.00100	652747.69	4190949.05	0.00088
652745.99	4190973.77	0.00079	652744.30	4190998.50	0.00071
652742.60	4191023.22	0.00065	652740.90	4191047.95	0.00060
652739.21	4191072.67	0.00055	652737.51	4191097.39	0.00051
652735.82	4191122.12	0.00048	652734.12	4191146.84	0.00045
652732.43	4191171.57	0.00042	652755.51	4191197.10	0.00038
652780.28	4191197.91	0.00037	652805.06	4191198.72	0.00036
652829.84	4191199.53	0.00036	652854.61	4191200.34	0.00036
652879.39	4191201.16	0.00036	652904.17	4191201.97	0.00036
652928.94	4191202.78	0.00035	652953.72	4191203.59	0.00035
652978.50	4191204.40	0.00034	653003.27	4191205.21	0.00033
653029.78	4191181.33	0.00034	653031.51	4191156.64	0.00035
653033.24	4191131.95	0.00037	653034.97	4191107.25	0.00039

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,
L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00041	653038.43	4191057.87	0.00043
653040.16	4191033.18	0.00045	653041.89	4191008.49	0.00048
653043.62	4190983.80	0.00051	653045.35	4190959.11	0.00055
653047.08	4190934.42	0.00059	653048.81	4190909.72	0.00065
653050.54	4190885.03	0.00072	653052.27	4190860.34	0.00081
653054.00	4190835.65	0.00093	653055.73	4190810.96	0.00108
653057.46	4190786.27	0.00126	653059.19	4190761.58	0.00146
653060.92	4190736.88	0.00168	653062.65	4190712.19	0.00190
653064.39	4190687.50	0.00211	653066.12	4190662.81	0.00231
653067.85	4190638.12	0.00249	653069.58	4190613.43	0.00266
653071.31	4190588.74	0.00280	653073.04	4190564.04	0.00293
653074.77	4190539.35	0.00304	653076.50	4190514.66	0.00314
653078.23	4190489.97	0.00322	653079.96	4190465.28	0.00330
653081.69	4190440.59	0.00336	653083.42	4190415.90	0.00342
653085.15	4190391.21	0.00347	653086.88	4190366.51	0.00352
653088.61	4190341.82	0.00356	653090.34	4190317.13	0.00360
653092.07	4190292.44	0.00364	653093.80	4190267.75	0.00368
653095.53	4190243.06	0.00371	653097.26	4190218.37	0.00374
653098.99	4190193.67	0.00376	653100.72	4190168.98	0.00379
653102.45	4190144.29	0.00381	653104.18	4190119.60	0.00383
653105.91	4190094.91	0.00385	653107.64	4190070.22	0.00387
653109.37	4190045.53	0.00389	653111.10	4190020.83	0.00391
653112.83	4189996.14	0.00392	653114.56	4189971.45	0.00394
653116.29	4189946.76	0.00395	653118.02	4189922.07	0.00396
653119.75	4189897.38	0.00398	653121.48	4189872.69	0.00399
653123.21	4189848.00	0.00400	653124.94	4189823.30	0.00401

653126.67	4189798.61	0.00402	653128.40	4189773.92	0.00402
653130.13	4189749.23	0.00403	653131.86	4189724.54	0.00404
653133.60	4189699.85	0.00405	653135.33	4189675.16	0.00405
653137.06	4189650.46	0.00406	653138.79	4189625.77	0.00406
653140.52	4189601.08	0.00407	653142.25	4189576.39	0.00407
653143.98	4189551.70	0.00408	653145.71	4189527.01	0.00408
653147.44	4189502.32	0.00409	653149.17	4189477.62	0.00409
653150.90	4189452.93	0.00409	653152.63	4189428.24	0.00409
653154.36	4189403.55	0.00410	653156.09	4189378.86	0.00410
653157.82	4189354.17	0.00410	653159.55	4189329.48	0.00410
653161.28	4189304.79	0.00410	653163.01	4189280.09	0.00410
653164.74	4189255.40	0.00410	653166.47	4189230.71	0.00410
653191.80	4189205.78	0.00378	653215.40	4189205.54	0.00351
653239.00	4189205.29	0.00327	653264.20	4189181.01	0.00306

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,
L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00306	653267.41	4189132.92	0.00306
653269.01	4189108.87	0.00306	653270.61	4189084.83	0.00306
653272.22	4189060.78	0.00306	653273.82	4189036.74	0.00305
653275.42	4189012.69	0.00305	653277.03	4188988.65	0.00304
653278.63	4188964.60	0.00304	653280.23	4188940.56	0.00303
653281.84	4188916.51	0.00303	653283.44	4188892.47	0.00302
653285.04	4188868.42	0.00301	653286.64	4188844.38	0.00300
653288.25	4188820.33	0.00299	653275.01	4188771.96	0.00311
653276.23	4188748.61	0.00309	653277.44	4188725.25	0.00308
653255.06	4188705.54	0.00329	653218.56	4188697.26	0.00370
653206.90	4188672.36	0.00385	653208.62	4188647.70	0.00382
653210.34	4188623.04	0.00378	653212.06	4188598.38	0.00374
653213.78	4188573.71	0.00368	653215.50	4188549.05	0.00359
653217.22	4188524.39	0.00348	653218.94	4188499.73	0.00333
653220.66	4188475.07	0.00315	653222.38	4188450.41	0.00293
653224.10	4188425.75	0.00271	653225.82	4188401.09	0.00248
653227.54	4188376.43	0.00226	653229.27	4188351.76	0.00206
653230.99	4188327.10	0.00188	653232.71	4188302.44	0.00172
653234.43	4188277.78	0.00158	653236.15	4188253.12	0.00146
653237.87	4188228.46	0.00135	653239.59	4188203.80	0.00125
653241.31	4188179.14	0.00117	653243.03	4188154.48	0.00109
653244.75	4188129.82	0.00103	653246.47	4188105.15	0.00097
653248.19	4188080.49	0.00091	653249.91	4188055.83	0.00086
653251.63	4188031.17	0.00082	653232.18	4188006.27	0.00077
653211.02	4188006.03	0.00076	653189.85	4188005.78	0.00075
653157.49	4188039.24	0.00079	653156.51	4188063.20	0.00084
653155.54	4188087.17	0.00089	653114.67	4188088.58	0.00086
653092.77	4188087.94	0.00084	653033.89	4188123.95	0.00089
653032.91	4188142.11	0.00093	653007.61	4188160.16	0.00098

652983.28	4188160.04	0.00099	652958.95	4188159.91	0.00100
653604.00	4191168.00	0.00025	653588.00	4190933.00	0.00040
653594.00	4189999.00	0.00128	653476.00	4189883.00	0.00164
653354.00	4189808.00	0.00214	653542.00	4189703.00	0.00155
653628.00	4189498.00	0.00143	653633.00	4189382.00	0.00145
653629.00	4189120.00	0.00151	653407.00	4188788.00	0.00225
653666.00	4188604.00	0.00133	653683.00	4188423.00	0.00112
653572.00	4188259.00	0.00105	653620.00	4187985.00	0.00068
653337.00	4187981.00	0.00075	652989.00	4188122.00	0.00089
651751.00	4188075.00	0.00034	651729.00	4188986.00	0.00056
651726.00	4189755.00	0.00069	652233.00	4190966.00	0.00074

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE21 ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,
L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00053	652658.00	4191223.00	0.00041
653409.00	4191269.00	0.00023			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0003309 , L0003310 , L0003311 , L0003312 , L0003313 ,
L0003314 , L0003315 , L0003316 , L0003317 , L0003318 , L0003319 , L0003320 , L0003321 ,
L0003322 , L0003323 , L0003324 , L0003325 , L0003326 , L0003327 , L0003328 , L0003329 ,
L0003330 , L0003331 , L0003332 , L0003333 , L0003334 , L0003335 , L0003336 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00086	652891.80	4188749.57	0.00292
652898.61	4188748.60	0.00298	652730.73	4191196.29	0.00032
653028.05	4191206.02	0.00026	653168.20	4189206.02	0.00615
653262.60	4189205.05	0.00404	653289.85	4188796.29	0.00391
653273.79	4188795.32	0.00415	653278.66	4188701.89	0.00407
653231.46	4188709.19	0.00502	653231.94	4188697.51	0.00501
653205.18	4188697.02	0.00578	653253.35	4188006.51	0.00063
653168.68	4188005.54	0.00060	653158.46	4188015.27	0.00060
653154.57	4188111.13	0.00073	653138.03	4188112.11	0.00073
653136.57	4188089.23	0.00069	653070.87	4188087.29	0.00070
653060.65	4188096.53	0.00072	653048.49	4188105.78	0.00074
653034.86	4188105.78	0.00074	653031.94	4188160.28	0.00084
652932.84	4188184.36	0.00090	652931.05	4188208.94	0.00094
652929.27	4188233.51	0.00099	652927.48	4188258.09	0.00104
652925.70	4188282.66	0.00110	652923.92	4188307.24	0.00115
652922.13	4188331.81	0.00121	652920.35	4188356.38	0.00128
652918.56	4188380.96	0.00135	652916.78	4188405.53	0.00143
652914.99	4188430.11	0.00153	652913.21	4188454.68	0.00163
652911.43	4188479.25	0.00173	652909.64	4188503.83	0.00184

652907.86	4188528.40	0.00195	652906.07	4188552.98	0.00208
652904.29	4188577.55	0.00221	652902.51	4188602.13	0.00234
652900.72	4188626.70	0.00246	652898.94	4188651.27	0.00257
652897.15	4188675.85	0.00267	652895.37	4188700.42	0.00276
652893.58	4188725.00	0.00285	652896.91	4188773.32	0.00305
652895.22	4188798.05	0.00310	652893.52	4188822.77	0.00315
652891.83	4188847.50	0.00319	652890.13	4188872.22	0.00323
652888.44	4188896.94	0.00326	652886.74	4188921.67	0.00329
652885.04	4188946.39	0.00331	652883.35	4188971.12	0.00333
652881.65	4188995.84	0.00335	652879.96	4189020.57	0.00337
652878.26	4189045.29	0.00338	652876.57	4189070.01	0.00340
652874.87	4189094.74	0.00341	652873.17	4189119.46	0.00342
652871.48	4189144.19	0.00343	652869.78	4189168.91	0.00343
652868.09	4189193.63	0.00344	652866.39	4189218.36	0.00345
652864.69	4189243.08	0.00345	652863.00	4189267.81	0.00346
652861.30	4189292.53	0.00346	652859.61	4189317.26	0.00347
652857.91	4189341.98	0.00347	652856.22	4189366.70	0.00347
652854.52	4189391.43	0.00347	652852.82	4189416.15	0.00347
652851.13	4189440.88	0.00347	652849.43	4189465.60	0.00347
652847.74	4189490.32	0.00347	652846.04	4189515.05	0.00347
652844.35	4189539.77	0.00346	652842.65	4189564.50	0.00346

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**MODELOPTs: NonDFAULT CONC   FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S):   L0003309   , L0003310   , L0003311   , L0003312   , L0003313   ,
L0003314   , L0003315   , L0003316   , L0003317   , L0003318   , L0003319   , L0003320   , L0003321   ,
L0003322   , L0003323   , L0003324   , L0003325   , L0003326   , L0003327   , L0003328   , L0003329   ,
L0003330   , L0003331   , L0003332   , L0003333   , L0003334   , L0003335   , L0003336   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM   IN MICROGRAMS/M**3   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00346	652839.26	4189613.94	0.00345
652837.56	4189638.67	0.00345	652835.87	4189663.39	0.00344
652834.17	4189688.12	0.00343	652832.48	4189712.84	0.00343
652830.78	4189737.57	0.00342	652829.08	4189762.29	0.00341
652827.39	4189787.01	0.00340	652825.69	4189811.74	0.00339
652824.00	4189836.46	0.00338	652822.30	4189861.19	0.00337
652820.61	4189885.91	0.00335	652818.91	4189910.63	0.00334
652817.21	4189935.36	0.00332	652815.52	4189960.08	0.00331
652813.82	4189984.81	0.00329	652812.13	4190009.53	0.00327
652810.43	4190034.26	0.00325	652808.73	4190058.98	0.00323
652807.04	4190083.70	0.00320	652805.34	4190108.43	0.00318
652803.65	4190133.15	0.00315	652801.95	4190157.88	0.00312
652800.26	4190182.60	0.00309	652798.56	4190207.32	0.00306
652796.86	4190232.05	0.00302	652795.17	4190256.77	0.00298
652793.47	4190281.50	0.00294	652791.78	4190306.22	0.00289
652790.08	4190330.95	0.00284	652788.39	4190355.67	0.00279
652786.69	4190380.39	0.00274	652784.99	4190405.12	0.00268
652783.30	4190429.84	0.00262	652781.60	4190454.57	0.00255
652779.91	4190479.29	0.00248	652778.21	4190504.01	0.00240
652776.52	4190528.74	0.00231	652774.82	4190553.46	0.00221
652773.12	4190578.19	0.00210	652771.43	4190602.91	0.00199
652769.73	4190627.63	0.00187	652768.04	4190652.36	0.00174
652766.34	4190677.08	0.00160	652764.65	4190701.81	0.00146

652762.95	4190726.53	0.00133	652761.25	4190751.26	0.00120
652759.56	4190775.98	0.00108	652757.86	4190800.70	0.00097
652756.17	4190825.43	0.00087	652754.47	4190850.15	0.00079
652752.77	4190874.88	0.00072	652751.08	4190899.60	0.00066
652749.38	4190924.32	0.00061	652747.69	4190949.05	0.00056
652745.99	4190973.77	0.00052	652744.30	4190998.50	0.00049
652742.60	4191023.22	0.00046	652740.90	4191047.95	0.00044
652739.21	4191072.67	0.00041	652737.51	4191097.39	0.00039
652735.82	4191122.12	0.00037	652734.12	4191146.84	0.00035
652732.43	4191171.57	0.00034	652755.51	4191197.10	0.00031
652780.28	4191197.91	0.00030	652805.06	4191198.72	0.00029
652829.84	4191199.53	0.00028	652854.61	4191200.34	0.00027
652879.39	4191201.16	0.00027	652904.17	4191201.97	0.00027
652928.94	4191202.78	0.00027	652953.72	4191203.59	0.00027
652978.50	4191204.40	0.00027	653003.27	4191205.21	0.00027
653029.78	4191181.33	0.00027	653031.51	4191156.64	0.00028
653033.24	4191131.95	0.00030	653034.97	4191107.25	0.00031

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0003309 , L0003310 , L0003311 , L0003312 , L0003313 ,
L0003314 , L0003315 , L0003316 , L0003317 , L0003318 , L0003319 , L0003320 , L0003321 ,
L0003322 , L0003323 , L0003324 , L0003325 , L0003326 , L0003327 , L0003328 , L0003329 ,
L0003330 , L0003331 , L0003332 , L0003333 , L0003334 , L0003335 , L0003336 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00032	653038.43	4191057.87	0.00034
653040.16	4191033.18	0.00035	653041.89	4191008.49	0.00037
653043.62	4190983.80	0.00039	653045.35	4190959.11	0.00041
653047.08	4190934.42	0.00043	653048.81	4190909.72	0.00046
653050.54	4190885.03	0.00049	653052.27	4190860.34	0.00052
653054.00	4190835.65	0.00056	653055.73	4190810.96	0.00060
653057.46	4190786.27	0.00065	653059.19	4190761.58	0.00071
653060.92	4190736.88	0.00078	653062.65	4190712.19	0.00088
653064.39	4190687.50	0.00102	653066.12	4190662.81	0.00126
653067.85	4190638.12	0.00163	653069.58	4190613.43	0.00214
653071.31	4190588.74	0.00271	653073.04	4190564.04	0.00327
653074.77	4190539.35	0.00375	653076.50	4190514.66	0.00414
653078.23	4190489.97	0.00445	653079.96	4190465.28	0.00469
653081.69	4190440.59	0.00487	653083.42	4190415.90	0.00503
653085.15	4190391.21	0.00515	653086.88	4190366.51	0.00526
653088.61	4190341.82	0.00535	653090.34	4190317.13	0.00543
653092.07	4190292.44	0.00550	653093.80	4190267.75	0.00557
653095.53	4190243.06	0.00562	653097.26	4190218.37	0.00567
653098.99	4190193.67	0.00571	653100.72	4190168.98	0.00575
653102.45	4190144.29	0.00579	653104.18	4190119.60	0.00582
653105.91	4190094.91	0.00585	653107.64	4190070.22	0.00588
653109.37	4190045.53	0.00590	653111.10	4190020.83	0.00592
653112.83	4189996.14	0.00595	653114.56	4189971.45	0.00596
653116.29	4189946.76	0.00598	653118.02	4189922.07	0.00600
653119.75	4189897.38	0.00601	653121.48	4189872.69	0.00603
653123.21	4189848.00	0.00604	653124.94	4189823.30	0.00605

653126.67	4189798.61	0.00607	653128.40	4189773.92	0.00608
653130.13	4189749.23	0.00609	653131.86	4189724.54	0.00609
653133.60	4189699.85	0.00610	653135.33	4189675.16	0.00611
653137.06	4189650.46	0.00612	653138.79	4189625.77	0.00612
653140.52	4189601.08	0.00613	653142.25	4189576.39	0.00613
653143.98	4189551.70	0.00614	653145.71	4189527.01	0.00614
653147.44	4189502.32	0.00615	653149.17	4189477.62	0.00615
653150.90	4189452.93	0.00615	653152.63	4189428.24	0.00616
653154.36	4189403.55	0.00616	653156.09	4189378.86	0.00616
653157.82	4189354.17	0.00616	653159.55	4189329.48	0.00616
653161.28	4189304.79	0.00616	653163.01	4189280.09	0.00616
653164.74	4189255.40	0.00616	653166.47	4189230.71	0.00616
653191.80	4189205.78	0.00543	653215.40	4189205.54	0.00487
653239.00	4189205.29	0.00442	653264.20	4189181.01	0.00404

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0003309 , L0003310 , L0003311 , L0003312 , L0003313 ,
L0003314 , L0003315 , L0003316 , L0003317 , L0003318 , L0003319 , L0003320 , L0003321 ,
L0003322 , L0003323 , L0003324 , L0003325 , L0003326 , L0003327 , L0003328 , L0003329 ,
L0003330 , L0003331 , L0003332 , L0003333 , L0003334 , L0003335 , L0003336 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00404	653267.41	4189132.92	0.00404
653269.01	4189108.87	0.00403	653270.61	4189084.83	0.00403
653272.22	4189060.78	0.00403	653273.82	4189036.74	0.00402
653275.42	4189012.69	0.00401	653277.03	4188988.65	0.00401
653278.63	4188964.60	0.00400	653280.23	4188940.56	0.00399
653281.84	4188916.51	0.00398	653283.44	4188892.47	0.00397
653285.04	4188868.42	0.00396	653286.64	4188844.38	0.00394
653288.25	4188820.33	0.00393	653275.01	4188771.96	0.00414
653276.23	4188748.61	0.00412	653277.44	4188725.25	0.00410
653255.06	4188705.54	0.00450	653218.56	4188697.26	0.00537
653206.90	4188672.36	0.00573	653208.62	4188647.70	0.00567
653210.34	4188623.04	0.00557	653212.06	4188598.38	0.00541
653213.78	4188573.71	0.00515	653215.50	4188549.05	0.00477
653217.22	4188524.39	0.00428	653218.94	4188499.73	0.00375
653220.66	4188475.07	0.00323	653222.38	4188450.41	0.00279
653224.10	4188425.75	0.00242	653225.82	4188401.09	0.00212
653227.54	4188376.43	0.00187	653229.27	4188351.76	0.00167
653230.99	4188327.10	0.00151	653232.71	4188302.44	0.00137
653234.43	4188277.78	0.00126	653236.15	4188253.12	0.00116
653237.87	4188228.46	0.00107	653239.59	4188203.80	0.00100
653241.31	4188179.14	0.00093	653243.03	4188154.48	0.00088
653244.75	4188129.82	0.00082	653246.47	4188105.15	0.00078
653248.19	4188080.49	0.00074	653249.91	4188055.83	0.00070
653251.63	4188031.17	0.00066	653232.18	4188006.27	0.00062
653211.02	4188006.03	0.00061	653189.85	4188005.78	0.00060
653157.49	4188039.24	0.00063	653156.51	4188063.20	0.00066
653155.54	4188087.17	0.00070	653114.67	4188088.58	0.00069
653092.77	4188087.94	0.00069	653033.89	4188123.95	0.00077
653032.91	4188142.11	0.00081	653007.61	4188160.16	0.00085
652983.28	4188160.04	0.00086	652958.95	4188159.91	0.00086

653604.00	4191168.00	0.00020	653588.00	4190933.00	0.00030
653594.00	4189999.00	0.00140	653476.00	4189883.00	0.00187
653354.00	4189808.00	0.00258	653542.00	4189703.00	0.00176
653628.00	4189498.00	0.00160	653633.00	4189382.00	0.00163
653629.00	4189120.00	0.00171	653407.00	4188788.00	0.00273
653666.00	4188604.00	0.00143	653683.00	4188423.00	0.00114
653572.00	4188259.00	0.00101	653620.00	4187985.00	0.00063
653337.00	4187981.00	0.00064	652989.00	4188122.00	0.00079
651751.00	4188075.00	0.00029	651729.00	4188986.00	0.00047
651726.00	4189755.00	0.00059	652233.00	4190966.00	0.00055

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE22 ***
INCLUDING SOURCE(S): L0003309 , L0003310 , L0003311 , L0003312 , L0003313 ,
L0003314 , L0003315 , L0003316 , L0003317 , L0003318 , L0003319 , L0003320 , L0003321 ,
L0003322 , L0003323 , L0003324 , L0003325 , L0003326 , L0003327 , L0003328 , L0003329 ,
L0003330 , L0003331 , L0003332 , L0003333 , L0003334 , L0003335 , L0003336 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00040	652658.00	4191223.00	0.00032
653409.00	4191269.00	0.00020			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0003415 , L0003416 , L0003417 , L0003418 , L0003419 ,
L0003420 , L0003421 , L0003422 , L0003423 , L0003424 , L0003425 , L0003426 , L0003427 ,
L0003428 , L0003429 , L0003430 , L0003431 , L0003432 , L0003433 , L0003434 , L0003435 ,
L0003436 , L0003437 , L0003438 , L0003439 , L0003440 , L0003441 , L0003442 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00205	652891.80	4188749.57	0.00730
652898.61	4188748.60	0.00715	652730.73	4191196.29	0.00053
653028.05	4191206.02	0.00045	653168.20	4189206.02	0.00467
653262.60	4189205.05	0.00371	653289.85	4188796.29	0.00365
653273.79	4188795.32	0.00378	653278.66	4188701.89	0.00374
653231.46	4188709.19	0.00419	653231.94	4188697.51	0.00419
653205.18	4188697.02	0.00449	653253.35	4188006.51	0.00145
653168.68	4188005.54	0.00147	653158.46	4188015.27	0.00151
653154.57	4188111.13	0.00195	653138.03	4188112.11	0.00196
653136.57	4188089.23	0.00183	653070.87	4188087.29	0.00180
653060.65	4188096.53	0.00185	653048.49	4188105.78	0.00189
653034.86	4188105.78	0.00186	653031.94	4188160.28	0.00229
652932.84	4188184.36	0.00226	652931.05	4188208.94	0.00253
652929.27	4188233.51	0.00287	652927.48	4188258.09	0.00333
652925.70	4188282.66	0.00397	652923.92	4188307.24	0.00420
652922.13	4188331.81	0.00497	652920.35	4188356.38	0.00449
652918.56	4188380.96	0.00516	652916.78	4188405.53	0.00507
652914.99	4188430.11	0.00593	652913.21	4188454.68	0.00634
652911.43	4188479.25	0.00617	652909.64	4188503.83	0.00658
652907.86	4188528.40	0.00694	652906.07	4188552.98	0.00657

652904.29	4188577.55	0.00692	652902.51	4188602.13	0.00716
652900.72	4188626.70	0.00712	652898.94	4188651.27	0.00727
652897.15	4188675.85	0.00688	652895.37	4188700.42	0.00701
652893.58	4188725.00	0.00742	652896.91	4188773.32	0.00739
652895.22	4188798.05	0.00704	652893.52	4188822.77	0.00690
652891.83	4188847.50	0.00751	652890.13	4188872.22	0.00705
652888.44	4188896.94	0.00703	652886.74	4188921.67	0.00715
652885.04	4188946.39	0.00728	652883.35	4188971.12	0.00755
652881.65	4188995.84	0.00715	652879.96	4189020.57	0.00699
652878.26	4189045.29	0.00757	652876.57	4189070.01	0.00710
652874.87	4189094.74	0.00717	652873.17	4189119.46	0.00721
652871.48	4189144.19	0.00705	652869.78	4189168.91	0.00762
652868.09	4189193.63	0.00718	652866.39	4189218.36	0.00699
652864.69	4189243.08	0.00723	652863.00	4189267.81	0.00710
652861.30	4189292.53	0.00724	652859.61	4189317.26	0.00722
652857.91	4189341.98	0.00705	652856.22	4189366.70	0.00764
652854.52	4189391.43	0.00717	652852.82	4189416.15	0.00679
652851.13	4189440.88	0.00723	652849.43	4189465.60	0.00731
652847.74	4189490.32	0.00754	652846.04	4189515.05	0.00719
652844.35	4189539.77	0.00702	652842.65	4189564.50	0.00759

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0003415 , L0003416 , L0003417 , L0003418 , L0003419 ,
L0003420 , L0003421 , L0003422 , L0003423 , L0003424 , L0003425 , L0003426 , L0003427 ,
L0003428 , L0003429 , L0003430 , L0003431 , L0003432 , L0003433 , L0003434 , L0003435 ,
L0003436 , L0003437 , L0003438 , L0003439 , L0003440 , L0003441 , L0003442 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00712	652839.26	4189613.94	0.00708
652837.56	4189638.67	0.00719	652835.87	4189663.39	0.00724
652834.17	4189688.12	0.00753	652832.48	4189712.84	0.00713
652830.78	4189737.57	0.00694	652829.08	4189762.29	0.00747
652827.39	4189787.01	0.00702	652825.69	4189811.74	0.00708
652824.00	4189836.46	0.00711	652822.30	4189861.19	0.00691
652820.61	4189885.91	0.00747	652818.91	4189910.63	0.00702
652817.21	4189935.36	0.00680	652815.52	4189960.08	0.00705
652813.82	4189984.81	0.00687	652812.13	4190009.53	0.00700
652810.43	4190034.26	0.00697	652808.73	4190058.98	0.00677
652807.04	4190083.70	0.00732	652805.34	4190108.43	0.00684
652803.65	4190133.15	0.00645	652801.95	4190157.88	0.00686
652800.26	4190182.60	0.00661	652798.56	4190207.32	0.00708
652796.86	4190232.05	0.00673	652795.17	4190256.77	0.00652
652793.47	4190281.50	0.00702	652791.78	4190306.22	0.00652
652790.08	4190330.95	0.00646	652788.39	4190355.67	0.00652
652786.69	4190380.39	0.00646	652784.99	4190405.12	0.00673
652783.30	4190429.84	0.00626	652781.60	4190454.57	0.00599
652779.91	4190479.29	0.00612	652778.21	4190504.01	0.00585
652776.52	4190528.74	0.00580	652774.82	4190553.46	0.00568
652773.12	4190578.19	0.00527	652771.43	4190602.91	0.00559
652769.73	4190627.63	0.00487	652768.04	4190652.36	0.00426
652766.34	4190677.08	0.00397	652764.65	4190701.81	0.00294

652762.95	4190726.53	0.00273	652761.25	4190751.26	0.00273
652759.56	4190775.98	0.00274	652757.86	4190800.70	0.00246
652756.17	4190825.43	0.00194	652754.47	4190850.15	0.00162
652752.77	4190874.88	0.00140	652751.08	4190899.60	0.00124
652749.38	4190924.32	0.00111	652747.69	4190949.05	0.00101
652745.99	4190973.77	0.00092	652744.30	4190998.50	0.00085
652742.60	4191023.22	0.00079	652740.90	4191047.95	0.00074
652739.21	4191072.67	0.00069	652737.51	4191097.39	0.00065
652735.82	4191122.12	0.00061	652734.12	4191146.84	0.00058
652732.43	4191171.57	0.00055	652755.51	4191197.10	0.00052
652780.28	4191197.91	0.00052	652805.06	4191198.72	0.00052
652829.84	4191199.53	0.00052	652854.61	4191200.34	0.00051
652879.39	4191201.16	0.00050	652904.17	4191201.97	0.00049
652928.94	4191202.78	0.00048	652953.72	4191203.59	0.00047
652978.50	4191204.40	0.00046	653003.27	4191205.21	0.00045
653029.78	4191181.33	0.00046	653031.51	4191156.64	0.00048
653033.24	4191131.95	0.00050	653034.97	4191107.25	0.00053

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0003415 , L0003416 , L0003417 , L0003418 , L0003419 ,
L0003420 , L0003421 , L0003422 , L0003423 , L0003424 , L0003425 , L0003426 , L0003427 ,
L0003428 , L0003429 , L0003430 , L0003431 , L0003432 , L0003433 , L0003434 , L0003435 ,
L0003436 , L0003437 , L0003438 , L0003439 , L0003440 , L0003441 , L0003442 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00055	653038.43	4191057.87	0.00057
653040.16	4191033.18	0.00060	653041.89	4191008.49	0.00064
653043.62	4190983.80	0.00067	653045.35	4190959.11	0.00072
653047.08	4190934.42	0.00077	653048.81	4190909.72	0.00083
653050.54	4190885.03	0.00091	653052.27	4190860.34	0.00101
653054.00	4190835.65	0.00113	653055.73	4190810.96	0.00127
653057.46	4190786.27	0.00142	653059.19	4190761.58	0.00160
653060.92	4190736.88	0.00178	653062.65	4190712.19	0.00198
653064.39	4190687.50	0.00217	653066.12	4190662.81	0.00235
653067.85	4190638.12	0.00252	653069.58	4190613.43	0.00268
653071.31	4190588.74	0.00284	653073.04	4190564.04	0.00298
653074.77	4190539.35	0.00311	653076.50	4190514.66	0.00323
653078.23	4190489.97	0.00334	653079.96	4190465.28	0.00344
653081.69	4190440.59	0.00353	653083.42	4190415.90	0.00361
653085.15	4190391.21	0.00369	653086.88	4190366.51	0.00376
653088.61	4190341.82	0.00382	653090.34	4190317.13	0.00388
653092.07	4190292.44	0.00393	653093.80	4190267.75	0.00398
653095.53	4190243.06	0.00403	653097.26	4190218.37	0.00407
653098.99	4190193.67	0.00411	653100.72	4190168.98	0.00415
653102.45	4190144.29	0.00419	653104.18	4190119.60	0.00422
653105.91	4190094.91	0.00425	653107.64	4190070.22	0.00428
653109.37	4190045.53	0.00431	653111.10	4190020.83	0.00433
653112.83	4189996.14	0.00436	653114.56	4189971.45	0.00438
653116.29	4189946.76	0.00440	653118.02	4189922.07	0.00442
653119.75	4189897.38	0.00444	653121.48	4189872.69	0.00446
653123.21	4189848.00	0.00448	653124.94	4189823.30	0.00449
653126.67	4189798.61	0.00451	653128.40	4189773.92	0.00452

653130.13	4189749.23	0.00454	653131.86	4189724.54	0.00455
653133.60	4189699.85	0.00456	653135.33	4189675.16	0.00457
653137.06	4189650.46	0.00458	653138.79	4189625.77	0.00459
653140.52	4189601.08	0.00460	653142.25	4189576.39	0.00461
653143.98	4189551.70	0.00462	653145.71	4189527.01	0.00462
653147.44	4189502.32	0.00463	653149.17	4189477.62	0.00464
653150.90	4189452.93	0.00464	653152.63	4189428.24	0.00465
653154.36	4189403.55	0.00465	653156.09	4189378.86	0.00465
653157.82	4189354.17	0.00466	653159.55	4189329.48	0.00466
653161.28	4189304.79	0.00466	653163.01	4189280.09	0.00466
653164.74	4189255.40	0.00466	653166.47	4189230.71	0.00467
653191.80	4189205.78	0.00439	653215.40	4189205.54	0.00414
653239.00	4189205.29	0.00391	653264.20	4189181.01	0.00371

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0003415 , L0003416 , L0003417 , L0003418 , L0003419 ,
L0003420 , L0003421 , L0003422 , L0003423 , L0003424 , L0003425 , L0003426 , L0003427 ,
L0003428 , L0003429 , L0003430 , L0003431 , L0003432 , L0003433 , L0003434 , L0003435 ,
L0003436 , L0003437 , L0003438 , L0003439 , L0003440 , L0003441 , L0003442 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00371	653267.41	4189132.92	0.00371
653269.01	4189108.87	0.00371	653270.61	4189084.83	0.00371
653272.22	4189060.78	0.00371	653273.82	4189036.74	0.00371
653275.42	4189012.69	0.00370	653277.03	4188988.65	0.00370
653278.63	4188964.60	0.00370	653280.23	4188940.56	0.00369
653281.84	4188916.51	0.00369	653283.44	4188892.47	0.00368
653285.04	4188868.42	0.00367	653286.64	4188844.38	0.00367
653288.25	4188820.33	0.00366	653275.01	4188771.96	0.00377
653276.23	4188748.61	0.00376	653277.44	4188725.25	0.00375
653255.06	4188705.54	0.00395	653218.56	4188697.26	0.00433
653206.90	4188672.36	0.00447	653208.62	4188647.70	0.00445
653210.34	4188623.04	0.00442	653212.06	4188598.38	0.00439
653213.78	4188573.71	0.00435	653215.50	4188549.05	0.00431
653217.22	4188524.39	0.00425	653218.94	4188499.73	0.00419
653220.66	4188475.07	0.00410	653222.38	4188450.41	0.00400
653224.10	4188425.75	0.00388	653225.82	4188401.09	0.00374
653227.54	4188376.43	0.00358	653229.27	4188351.76	0.00340
653230.99	4188327.10	0.00322	653232.71	4188302.44	0.00303
653234.43	4188277.78	0.00285	653236.15	4188253.12	0.00267
653237.87	4188228.46	0.00250	653239.59	4188203.80	0.00234
653241.31	4188179.14	0.00220	653243.03	4188154.48	0.00206
653244.75	4188129.82	0.00193	653246.47	4188105.15	0.00182
653248.19	4188080.49	0.00171	653249.91	4188055.83	0.00162
653251.63	4188031.17	0.00153	653232.18	4188006.27	0.00146
653211.02	4188006.03	0.00146	653189.85	4188005.78	0.00147
653157.49	4188039.24	0.00160	653156.51	4188063.20	0.00170
653155.54	4188087.17	0.00182	653114.67	4188088.58	0.00183
653092.77	4188087.94	0.00182	653033.89	4188123.95	0.00199
653032.91	4188142.11	0.00213	653007.61	4188160.16	0.00223
652983.28	4188160.04	0.00215	652958.95	4188159.91	0.00208

653604.00	4191168.00	0.00035	653588.00	4190933.00	0.00054
653594.00	4189999.00	0.00167	653476.00	4189883.00	0.00211
653354.00	4189808.00	0.00267	653542.00	4189703.00	0.00202
653628.00	4189498.00	0.00189	653633.00	4189382.00	0.00192
653629.00	4189120.00	0.00201	653407.00	4188788.00	0.00289
653666.00	4188604.00	0.00186	653683.00	4188423.00	0.00165
653572.00	4188259.00	0.00164	653620.00	4187985.00	0.00112
653337.00	4187981.00	0.00133	652989.00	4188122.00	0.00187
651751.00	4188075.00	0.00058	651729.00	4188986.00	0.00097
651726.00	4189755.00	0.00116	652233.00	4190966.00	0.00114

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE23 ***
INCLUDING SOURCE(S): L0003415 , L0003416 , L0003417 , L0003418 , L0003419 ,
L0003420 , L0003421 , L0003422 , L0003423 , L0003424 , L0003425 , L0003426 , L0003427 ,
L0003428 , L0003429 , L0003430 , L0003431 , L0003432 , L0003433 , L0003434 , L0003435 ,
L0003436 , L0003437 , L0003438 , L0003439 , L0003440 , L0003441 , L0003442 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00078	652658.00	4191223.00	0.00053
653409.00	4191269.00	0.00033			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LINEHAUL ***
INCLUDING SOURCE(S): L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,
L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,
L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,
L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00382	652891.80	4188749.57	0.00382
652898.61	4188748.60	0.00393	652730.73	4191196.29	0.00380
653028.05	4191206.02	0.00164	653168.20	4189206.02	0.00242
653262.60	4189205.05	0.00212	653289.85	4188796.29	0.00214
653273.79	4188795.32	0.00218	653278.66	4188701.89	0.00218
653231.46	4188709.19	0.00233	653231.94	4188697.51	0.00233
653205.18	4188697.02	0.00242	653253.35	4188006.51	0.00234
653168.68	4188005.54	0.00270	653158.46	4188015.27	0.00275
653154.57	4188111.13	0.00276	653138.03	4188112.11	0.00285
653136.57	4188089.23	0.00286	653070.87	4188087.29	0.00334
653060.65	4188096.53	0.00343	653048.49	4188105.78	0.00355
653034.86	4188105.78	0.00371	653031.94	4188160.28	0.00371
652932.84	4188184.36	0.00305	652931.05	4188208.94	0.00383
652929.27	4188233.51	0.00305	652927.48	4188258.09	0.00385
652925.70	4188282.66	0.00305	652923.92	4188307.24	0.00385
652922.13	4188331.81	0.00305	652920.35	4188356.38	0.00385
652918.56	4188380.96	0.00304	652916.78	4188405.53	0.00385
652914.99	4188430.11	0.00304	652913.21	4188454.68	0.00385
652911.43	4188479.25	0.00303	652909.64	4188503.83	0.00385
652907.86	4188528.40	0.00303	652906.07	4188552.98	0.00384

652904.29	4188577.55	0.00302	652902.51	4188602.13	0.00385
652900.72	4188626.70	0.00302	652898.94	4188651.27	0.00384
652897.15	4188675.85	0.00301	652895.37	4188700.42	0.00383
652893.58	4188725.00	0.00300	652896.91	4188773.32	0.00302
652895.22	4188798.05	0.00393	652893.52	4188822.77	0.00302
652891.83	4188847.50	0.00392	652890.13	4188872.22	0.00302
652888.44	4188896.94	0.00393	652886.74	4188921.67	0.00302
652885.04	4188946.39	0.00393	652883.35	4188971.12	0.00302
652881.65	4188995.84	0.00392	652879.96	4189020.57	0.00301
652878.26	4189045.29	0.00392	652876.57	4189070.01	0.00301
652874.87	4189094.74	0.00392	652873.17	4189119.46	0.00301
652871.48	4189144.19	0.00391	652869.78	4189168.91	0.00301
652868.09	4189193.63	0.00391	652866.39	4189218.36	0.00300
652864.69	4189243.08	0.00390	652863.00	4189267.81	0.00300
652861.30	4189292.53	0.00390	652859.61	4189317.26	0.00300
652857.91	4189341.98	0.00390	652856.22	4189366.70	0.00299
652854.52	4189391.43	0.00389	652852.82	4189416.15	0.00379
652851.13	4189440.88	0.00389	652849.43	4189465.60	0.00385
652847.74	4189490.32	0.00388	652846.04	4189515.05	0.00389
652844.35	4189539.77	0.00388	652842.65	4189564.50	0.00393

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LINEHAUL ***
INCLUDING SOURCE(S): L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,
L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,
L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,
L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00387	652839.26	4189613.94	0.00397
652837.56	4189638.67	0.00386	652835.87	4189663.39	0.00402
652834.17	4189688.12	0.00385	652832.48	4189712.84	0.00403
652830.78	4189737.57	0.00385	652829.08	4189762.29	0.00406
652827.39	4189787.01	0.00384	652825.69	4189811.74	0.00407
652824.00	4189836.46	0.00383	652822.30	4189861.19	0.00408
652820.61	4189885.91	0.00382	652818.91	4189910.63	0.00412
652817.21	4189935.36	0.00382	652815.52	4189960.08	0.00414
652813.82	4189984.81	0.00381	652812.13	4190009.53	0.00413
652810.43	4190034.26	0.00380	652808.73	4190058.98	0.00416
652807.04	4190083.70	0.00378	652805.34	4190108.43	0.00414
652803.65	4190133.15	0.00378	652801.95	4190157.88	0.00417
652800.26	4190182.60	0.00376	652798.56	4190207.32	0.00417
652796.86	4190232.05	0.00375	652795.17	4190256.77	0.00417
652793.47	4190281.50	0.00374	652791.78	4190306.22	0.00417
652790.08	4190330.95	0.00373	652788.39	4190355.67	0.00417
652786.69	4190380.39	0.00372	652784.99	4190405.12	0.00417
652783.30	4190429.84	0.00370	652781.60	4190454.57	0.00417
652779.91	4190479.29	0.00369	652778.21	4190504.01	0.00416
652776.52	4190528.74	0.00367	652774.82	4190553.46	0.00415
652773.12	4190578.19	0.00366	652771.43	4190602.91	0.00414
652769.73	4190627.63	0.00364	652768.04	4190652.36	0.00412
652766.34	4190677.08	0.00361	652764.65	4190701.81	0.00412
652762.95	4190726.53	0.00359	652761.25	4190751.26	0.00409

652759.56	4190775.98	0.00358	652757.86	4190800.70	0.00409
652756.17	4190825.43	0.00355	652754.47	4190850.15	0.00406
652752.77	4190874.88	0.00352	652751.08	4190899.60	0.00404
652749.38	4190924.32	0.00349	652747.69	4190949.05	0.00402
652745.99	4190973.77	0.00345	652744.30	4190998.50	0.00398
652742.60	4191023.22	0.00342	652740.90	4191047.95	0.00395
652739.21	4191072.67	0.00338	652737.51	4191097.39	0.00391
652735.82	4191122.12	0.00333	652734.12	4191146.84	0.00387
652732.43	4191171.57	0.00327	652755.51	4191197.10	0.00427
652780.28	4191197.91	0.00368	652805.06	4191198.72	0.00324
652829.84	4191199.53	0.00291	652854.61	4191200.34	0.00265
652879.39	4191201.16	0.00244	652904.17	4191201.97	0.00226
652928.94	4191202.78	0.00210	652953.72	4191203.59	0.00196
652978.50	4191204.40	0.00184	653003.27	4191205.21	0.00174
653029.78	4191181.33	0.00168	653031.51	4191156.64	0.00172
653033.24	4191131.95	0.00175	653034.97	4191107.25	0.00178

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LINEHAUL ***
INCLUDING SOURCE(S): L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,
L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,
L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,
L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00181	653038.43	4191057.87	0.00184
653040.16	4191033.18	0.00186	653041.89	4191008.49	0.00189
653043.62	4190983.80	0.00191	653045.35	4190959.11	0.00193
653047.08	4190934.42	0.00195	653048.81	4190909.72	0.00197
653050.54	4190885.03	0.00199	653052.27	4190860.34	0.00201
653054.00	4190835.65	0.00202	653055.73	4190810.96	0.00204
653057.46	4190786.27	0.00205	653059.19	4190761.58	0.00207
653060.92	4190736.88	0.00208	653062.65	4190712.19	0.00209
653064.39	4190687.50	0.00211	653066.12	4190662.81	0.00212
653067.85	4190638.12	0.00213	653069.58	4190613.43	0.00214
653071.31	4190588.74	0.00215	653073.04	4190564.04	0.00216
653074.77	4190539.35	0.00217	653076.50	4190514.66	0.00218
653078.23	4190489.97	0.00219	653079.96	4190465.28	0.00220
653081.69	4190440.59	0.00221	653083.42	4190415.90	0.00222
653085.15	4190391.21	0.00223	653086.88	4190366.51	0.00223
653088.61	4190341.82	0.00224	653090.34	4190317.13	0.00225
653092.07	4190292.44	0.00226	653093.80	4190267.75	0.00226
653095.53	4190243.06	0.00227	653097.26	4190218.37	0.00228
653098.99	4190193.67	0.00228	653100.72	4190168.98	0.00229
653102.45	4190144.29	0.00229	653104.18	4190119.60	0.00230
653105.91	4190094.91	0.00230	653107.64	4190070.22	0.00231
653109.37	4190045.53	0.00232	653111.10	4190020.83	0.00232
653112.83	4189996.14	0.00233	653114.56	4189971.45	0.00233
653116.29	4189946.76	0.00233	653118.02	4189922.07	0.00234
653119.75	4189897.38	0.00234	653121.48	4189872.69	0.00235
653123.21	4189848.00	0.00235	653124.94	4189823.30	0.00235
653126.67	4189798.61	0.00236	653128.40	4189773.92	0.00236

653130.13	4189749.23	0.00237	653131.86	4189724.54	0.00237
653133.60	4189699.85	0.00237	653135.33	4189675.16	0.00237
653137.06	4189650.46	0.00238	653138.79	4189625.77	0.00238
653140.52	4189601.08	0.00238	653142.25	4189576.39	0.00239
653143.98	4189551.70	0.00239	653145.71	4189527.01	0.00239
653147.44	4189502.32	0.00239	653149.17	4189477.62	0.00240
653150.90	4189452.93	0.00240	653152.63	4189428.24	0.00240
653154.36	4189403.55	0.00240	653156.09	4189378.86	0.00240
653157.82	4189354.17	0.00241	653159.55	4189329.48	0.00241
653161.28	4189304.79	0.00241	653163.01	4189280.09	0.00241
653164.74	4189255.40	0.00241	653166.47	4189230.71	0.00241
653191.80	4189205.78	0.00233	653215.40	4189205.54	0.00226
653239.00	4189205.29	0.00219	653264.20	4189181.01	0.00212

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LINEHAUL ***
INCLUDING SOURCE(S): L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,
L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,
L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,
L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00212	653267.41	4189132.92	0.00213
653269.01	4189108.87	0.00213	653270.61	4189084.83	0.00213
653272.22	4189060.78	0.00213	653273.82	4189036.74	0.00213
653275.42	4189012.69	0.00213	653277.03	4188988.65	0.00213
653278.63	4188964.60	0.00213	653280.23	4188940.56	0.00213
653281.84	4188916.51	0.00213	653283.44	4188892.47	0.00214
653285.04	4188868.42	0.00214	653286.64	4188844.38	0.00214
653288.25	4188820.33	0.00214	653275.01	4188771.96	0.00218
653276.23	4188748.61	0.00218	653277.44	4188725.25	0.00218
653255.06	4188705.54	0.00225	653218.56	4188697.26	0.00237
653206.90	4188672.36	0.00242	653208.62	4188647.70	0.00242
653210.34	4188623.04	0.00242	653212.06	4188598.38	0.00242
653213.78	4188573.71	0.00241	653215.50	4188549.05	0.00241
653217.22	4188524.39	0.00241	653218.94	4188499.73	0.00241
653220.66	4188475.07	0.00241	653222.38	4188450.41	0.00241
653224.10	4188425.75	0.00241	653225.82	4188401.09	0.00240
653227.54	4188376.43	0.00240	653229.27	4188351.76	0.00240
653230.99	4188327.10	0.00240	653232.71	4188302.44	0.00240
653234.43	4188277.78	0.00239	653236.15	4188253.12	0.00239
653237.87	4188228.46	0.00239	653239.59	4188203.80	0.00238
653241.31	4188179.14	0.00238	653243.03	4188154.48	0.00237
653244.75	4188129.82	0.00237	653246.47	4188105.15	0.00236
653248.19	4188080.49	0.00236	653249.91	4188055.83	0.00235
653251.63	4188031.17	0.00235	653232.18	4188006.27	0.00242
653211.02	4188006.03	0.00250	653189.85	4188005.78	0.00259
653157.49	4188039.24	0.00275	653156.51	4188063.20	0.00275
653155.54	4188087.17	0.00276	653114.67	4188088.58	0.00300
653092.77	4188087.94	0.00315	653033.89	4188123.95	0.00371
653032.91	4188142.11	0.00371	653007.61	4188160.16	0.00408
652983.28	4188160.04	0.00457	652958.95	4188159.91	0.00495
653604.00	4191168.00	0.00078	653588.00	4190933.00	0.00095

653594.00	4189999.00	0.00134	653476.00	4189883.00	0.00152
653354.00	4189808.00	0.00175	653542.00	4189703.00	0.00148
653628.00	4189498.00	0.00142	653633.00	4189382.00	0.00143
653629.00	4189120.00	0.00148	653407.00	4188788.00	0.00187
653666.00	4188604.00	0.00150	653683.00	4188423.00	0.00149
653572.00	4188259.00	0.00164	653620.00	4187985.00	0.00154
653337.00	4187981.00	0.00208	652989.00	4188122.00	0.00450
651751.00	4188075.00	0.00065	651729.00	4188986.00	0.00085
651726.00	4189755.00	0.00089	652233.00	4190966.00	0.00116

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LINEHAUL ***
INCLUDING SOURCE(S): L0002897 , L0002898 , L0002899 , L0002900 , L0002901 ,
L0002902 , L0002903 , L0002904 , L0002905 , L0002906 , L0002907 , L0002908 , L0002909 ,
L0002910 , L0002911 , L0002912 , L0002913 , L0002914 , L0002915 , L0002916 , L0002917 ,
L0002918 , L0002919 , L0002920 , L0002921 , L0002922 , L0002923 , L0002924 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00103	652658.00	4191223.00	0.00226
653409.00	4191269.00	0.00085			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LNHLIDLE ***
INCLUDING SOURCE(S): L0012301 , L0012302 , L0012303 , L0012304 , L0012305 ,
L0012306 , L0012307 , L0012308 , L0012309 , L0012310 , L0012311 , L0012312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00037	652891.80	4188749.57	0.00046
652898.61	4188748.60	0.00046	652730.73	4191196.29	0.00603
653028.05	4191206.02	0.00274	653168.20	4189206.02	0.00078
653262.60	4189205.05	0.00086	653289.85	4188796.29	0.00064
653273.79	4188795.32	0.00063	653278.66	4188701.89	0.00059
653231.46	4188709.19	0.00057	653231.94	4188697.51	0.00057
653205.18	4188697.02	0.00055	653253.35	4188006.51	0.00040
653168.68	4188005.54	0.00038	653158.46	4188015.27	0.00038
653154.57	4188111.13	0.00040	653138.03	4188112.11	0.00039
653136.57	4188089.23	0.00039	653070.87	4188087.29	0.00038
653060.65	4188096.53	0.00038	653048.49	4188105.78	0.00038
653034.86	4188105.78	0.00037	653031.94	4188160.28	0.00038
652932.84	4188184.36	0.00037	652931.05	4188208.94	0.00037
652929.27	4188233.51	0.00038	652927.48	4188258.09	0.00038
652925.70	4188282.66	0.00038	652923.92	4188307.24	0.00039
652922.13	4188331.81	0.00039	652920.35	4188356.38	0.00039
652918.56	4188380.96	0.00039	652916.78	4188405.53	0.00040
652914.99	4188430.11	0.00040	652913.21	4188454.68	0.00041
652911.43	4188479.25	0.00041	652909.64	4188503.83	0.00041
652907.86	4188528.40	0.00042	652906.07	4188552.98	0.00042
652904.29	4188577.55	0.00042	652902.51	4188602.13	0.00043
652900.72	4188626.70	0.00043	652898.94	4188651.27	0.00044
652897.15	4188675.85	0.00044	652895.37	4188700.42	0.00045

652893.58	4188725.00	0.00045	652896.91	4188773.32	0.00046
652895.22	4188798.05	0.00047	652893.52	4188822.77	0.00047
652891.83	4188847.50	0.00048	652890.13	4188872.22	0.00048
652888.44	4188896.94	0.00049	652886.74	4188921.67	0.00049
652885.04	4188946.39	0.00050	652883.35	4188971.12	0.00050
652881.65	4188995.84	0.00051	652879.96	4189020.57	0.00052
652878.26	4189045.29	0.00052	652876.57	4189070.01	0.00053
652874.87	4189094.74	0.00054	652873.17	4189119.46	0.00054
652871.48	4189144.19	0.00055	652869.78	4189168.91	0.00056
652868.09	4189193.63	0.00057	652866.39	4189218.36	0.00057
652864.69	4189243.08	0.00058	652863.00	4189267.81	0.00059
652861.30	4189292.53	0.00060	652859.61	4189317.26	0.00061
652857.91	4189341.98	0.00062	652856.22	4189366.70	0.00063
652854.52	4189391.43	0.00064	652852.82	4189416.15	0.00065
652851.13	4189440.88	0.00066	652849.43	4189465.60	0.00067
652847.74	4189490.32	0.00068	652846.04	4189515.05	0.00070
652844.35	4189539.77	0.00071	652842.65	4189564.50	0.00072

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LNHLIDLE ***
INCLUDING SOURCE(S): L0012301 , L0012302 , L0012303 , L0012304 , L0012305 ,
L0012306 , L0012307 , L0012308 , L0012309 , L0012310 , L0012311 , L0012312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00074	652839.26	4189613.94	0.00075
652837.56	4189638.67	0.00076	652835.87	4189663.39	0.00078
652834.17	4189688.12	0.00080	652832.48	4189712.84	0.00081
652830.78	4189737.57	0.00083	652829.08	4189762.29	0.00085
652827.39	4189787.01	0.00087	652825.69	4189811.74	0.00088
652824.00	4189836.46	0.00091	652822.30	4189861.19	0.00093
652820.61	4189885.91	0.00095	652818.91	4189910.63	0.00097
652817.21	4189935.36	0.00100	652815.52	4189960.08	0.00102
652813.82	4189984.81	0.00105	652812.13	4190009.53	0.00108
652810.43	4190034.26	0.00111	652808.73	4190058.98	0.00114
652807.04	4190083.70	0.00118	652805.34	4190108.43	0.00121
652803.65	4190133.15	0.00125	652801.95	4190157.88	0.00129
652800.26	4190182.60	0.00134	652798.56	4190207.32	0.00138
652796.86	4190232.05	0.00143	652795.17	4190256.77	0.00148
652793.47	4190281.50	0.00153	652791.78	4190306.22	0.00158
652790.08	4190330.95	0.00163	652788.39	4190355.67	0.00168
652786.69	4190380.39	0.00174	652784.99	4190405.12	0.00179
652783.30	4190429.84	0.00185	652781.60	4190454.57	0.00192
652779.91	4190479.29	0.00199	652778.21	4190504.01	0.00206
652776.52	4190528.74	0.00215	652774.82	4190553.46	0.00223
652773.12	4190578.19	0.00233	652771.43	4190602.91	0.00244
652769.73	4190627.63	0.00257	652768.04	4190652.36	0.00273
652766.34	4190677.08	0.00293	652764.65	4190701.81	0.00318
652762.95	4190726.53	0.00350	652761.25	4190751.26	0.00391
652759.56	4190775.98	0.00440	652757.86	4190800.70	0.00497
652756.17	4190825.43	0.00560	652754.47	4190850.15	0.00632
652752.77	4190874.88	0.00706	652751.08	4190899.60	0.00772
652749.38	4190924.32	0.00828	652747.69	4190949.05	0.00835
652745.99	4190973.77	0.00835	652744.30	4190998.50	0.00803

652742.60	4191023.22	0.00781	652740.90	4191047.95	0.00747
652739.21	4191072.67	0.00725	652737.51	4191097.39	0.00697
652735.82	4191122.12	0.00678	652734.12	4191146.84	0.00655
652732.43	4191171.57	0.00637	652755.51	4191197.10	0.00539
652780.28	4191197.91	0.00347	652805.06	4191198.72	0.00243
652829.84	4191199.53	0.00214	652854.61	4191200.34	0.00211
652879.39	4191201.16	0.00223	652904.17	4191201.97	0.00242
652928.94	4191202.78	0.00257	652953.72	4191203.59	0.00267
652978.50	4191204.40	0.00273	653003.27	4191205.21	0.00275
653029.78	4191181.33	0.00360	653031.51	4191156.64	0.00463
653033.24	4191131.95	0.00576	653034.97	4191107.25	0.00693

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LNHLIDLE ***
INCLUDING SOURCE(S): L0012301 , L0012302 , L0012303 , L0012304 , L0012305 ,
L0012306 , L0012307 , L0012308 , L0012309 , L0012310 , L0012311 , L0012312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00810	653038.43	4191057.87	0.00923
653040.16	4191033.18	0.01029	653041.89	4191008.49	0.01126
653043.62	4190983.80	0.01214	653045.35	4190959.11	0.01293
653047.08	4190934.42	0.01366	653048.81	4190909.72	0.01436
653050.54	4190885.03	0.01506	653052.27	4190860.34	0.01579
653054.00	4190835.65	0.01657	653055.73	4190810.96	0.01744
653057.46	4190786.27	0.01840	653059.19	4190761.58	0.01946
653060.92	4190736.88	0.02062	653062.65	4190712.19	0.02185
653064.39	4190687.50	0.02303	653066.12	4190662.81	0.02398
653067.85	4190638.12	0.02430	653069.58	4190613.43	0.02321
653071.31	4190588.74	0.02108	653073.04	4190564.04	0.01848
653074.77	4190539.35	0.01581	653076.50	4190514.66	0.01340
653078.23	4190489.97	0.01139	653079.96	4190465.28	0.00976
653081.69	4190440.59	0.00845	653083.42	4190415.90	0.00740
653085.15	4190391.21	0.00656	653086.88	4190366.51	0.00587
653088.61	4190341.82	0.00530	653090.34	4190317.13	0.00482
653092.07	4190292.44	0.00441	653093.80	4190267.75	0.00405
653095.53	4190243.06	0.00375	653097.26	4190218.37	0.00348
653098.99	4190193.67	0.00324	653100.72	4190168.98	0.00303
653102.45	4190144.29	0.00285	653104.18	4190119.60	0.00268
653105.91	4190094.91	0.00253	653107.64	4190070.22	0.00240
653109.37	4190045.53	0.00227	653111.10	4190020.83	0.00216
653112.83	4189996.14	0.00206	653114.56	4189971.45	0.00197
653116.29	4189946.76	0.00188	653118.02	4189922.07	0.00180
653119.75	4189897.38	0.00173	653121.48	4189872.69	0.00166
653123.21	4189848.00	0.00159	653124.94	4189823.30	0.00153
653126.67	4189798.61	0.00148	653128.40	4189773.92	0.00143
653130.13	4189749.23	0.00138	653131.86	4189724.54	0.00133
653133.60	4189699.85	0.00129	653135.33	4189675.16	0.00125
653137.06	4189650.46	0.00121	653138.79	4189625.77	0.00118
653140.52	4189601.08	0.00114	653142.25	4189576.39	0.00111
653143.98	4189551.70	0.00108	653145.71	4189527.01	0.00105
653147.44	4189502.32	0.00102	653149.17	4189477.62	0.00100
653150.90	4189452.93	0.00097	653152.63	4189428.24	0.00095
653154.36	4189403.55	0.00092	653156.09	4189378.86	0.00090

653157.82	4189354.17	0.00088	653159.55	4189329.48	0.00086
653161.28	4189304.79	0.00084	653163.01	4189280.09	0.00083
653164.74	4189255.40	0.00081	653166.47	4189230.71	0.00079
653191.80	4189205.78	0.00080	653215.40	4189205.54	0.00082
653239.00	4189205.29	0.00084	653264.20	4189181.01	0.00084

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LNHLIDLE ***
INCLUDING SOURCE(S): L0012301 , L0012302 , L0012303 , L0012304 , L0012305 ,
L0012306 , L0012307 , L0012308 , L0012309 , L0012310 , L0012311 , L0012312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00082	653267.41	4189132.92	0.00081
653269.01	4189108.87	0.00079	653270.61	4189084.83	0.00078
653272.22	4189060.78	0.00076	653273.82	4189036.74	0.00075
653275.42	4189012.69	0.00074	653277.03	4188988.65	0.00072
653278.63	4188964.60	0.00071	653280.23	4188940.56	0.00070
653281.84	4188916.51	0.00069	653283.44	4188892.47	0.00068
653285.04	4188868.42	0.00067	653286.64	4188844.38	0.00066
653288.25	4188820.33	0.00065	653275.01	4188771.96	0.00062
653276.23	4188748.61	0.00061	653277.44	4188725.25	0.00060
653255.06	4188705.54	0.00058	653218.56	4188697.26	0.00056
653206.90	4188672.36	0.00054	653208.62	4188647.70	0.00054
653210.34	4188623.04	0.00053	653212.06	4188598.38	0.00052
653213.78	4188573.71	0.00052	653215.50	4188549.05	0.00051
653217.22	4188524.39	0.00050	653218.94	4188499.73	0.00050
653220.66	4188475.07	0.00049	653222.38	4188450.41	0.00049
653224.10	4188425.75	0.00048	653225.82	4188401.09	0.00047
653227.54	4188376.43	0.00047	653229.27	4188351.76	0.00046
653230.99	4188327.10	0.00046	653232.71	4188302.44	0.00045
653234.43	4188277.78	0.00045	653236.15	4188253.12	0.00044
653237.87	4188228.46	0.00044	653239.59	4188203.80	0.00043
653241.31	4188179.14	0.00043	653243.03	4188154.48	0.00042
653244.75	4188129.82	0.00042	653246.47	4188105.15	0.00042
653248.19	4188080.49	0.00041	653249.91	4188055.83	0.00041
653251.63	4188031.17	0.00040	653232.18	4188006.27	0.00039
653211.02	4188006.03	0.00039	653189.85	4188005.78	0.00039
653157.49	4188039.24	0.00038	653156.51	4188063.20	0.00039
653155.54	4188087.17	0.00039	653114.67	4188088.58	0.00038
653092.77	4188087.94	0.00038	653033.89	4188123.95	0.00038
653032.91	4188142.11	0.00038	653007.61	4188160.16	0.00038
652983.28	4188160.04	0.00037	652958.95	4188159.91	0.00037
653604.00	4191168.00	0.00222	653588.00	4190933.00	0.00417
653594.00	4189999.00	0.00265	653476.00	4189883.00	0.00217
653354.00	4189808.00	0.00183	653542.00	4189703.00	0.00168
653628.00	4189498.00	0.00133	653633.00	4189382.00	0.00118
653629.00	4189120.00	0.00094	653407.00	4188788.00	0.00069
653666.00	4188604.00	0.00068	653683.00	4188423.00	0.00062
653572.00	4188259.00	0.00055	653620.00	4187985.00	0.00049
653337.00	4187981.00	0.00042	652989.00	4188122.00	0.00037
651751.00	4188075.00	0.00036	651729.00	4188986.00	0.00034
651726.00	4189755.00	0.00033	652233.00	4190966.00	0.00112

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LNHLIDLE ***
INCLUDING SOURCE(S): L0012301 , L0012302 , L0012303 , L0012304 , L0012305 ,
L0012306 , L0012307 , L0012308 , L0012309 , L0012310 , L0012311 , L0012312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00135	652658.00	4191223.00	0.00485
653409.00	4191269.00	0.00165			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHIDLE ***
INCLUDING SOURCE(S): L0022301 , L0022302 , L0022303 , L0022304 , L0022305 ,
L0022306 , L0022307 , L0022308 , L0022309 , L0022310 , L0022311 , L0022312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00000	652891.80	4188749.57	0.00000
652898.61	4188748.60	0.00000	652730.73	4191196.29	0.00000
653028.05	4191206.02	0.00000	653168.20	4189206.02	0.00000
653262.60	4189205.05	0.00000	653289.85	4188796.29	0.00000
653273.79	4188795.32	0.00000	653278.66	4188701.89	0.00000
653231.46	4188709.19	0.00000	653231.94	4188697.51	0.00000
653205.18	4188697.02	0.00000	653253.35	4188006.51	0.00000
653168.68	4188005.54	0.00000	653158.46	4188015.27	0.00000
653154.57	4188111.13	0.00000	653138.03	4188112.11	0.00000
653136.57	4188089.23	0.00000	653070.87	4188087.29	0.00000
653060.65	4188096.53	0.00000	653048.49	4188105.78	0.00000
653034.86	4188105.78	0.00000	653031.94	4188160.28	0.00000
652932.84	4188184.36	0.00000	652931.05	4188208.94	0.00000
652929.27	4188233.51	0.00000	652927.48	4188258.09	0.00000
652925.70	4188282.66	0.00000	652923.92	4188307.24	0.00000
652922.13	4188331.81	0.00000	652920.35	4188356.38	0.00000
652918.56	4188380.96	0.00000	652916.78	4188405.53	0.00000
652914.99	4188430.11	0.00000	652913.21	4188454.68	0.00000
652911.43	4188479.25	0.00000	652909.64	4188503.83	0.00000
652907.86	4188528.40	0.00000	652906.07	4188552.98	0.00000
652904.29	4188577.55	0.00000	652902.51	4188602.13	0.00000
652900.72	4188626.70	0.00000	652898.94	4188651.27	0.00000
652897.15	4188675.85	0.00000	652895.37	4188700.42	0.00000
652893.58	4188725.00	0.00000	652896.91	4188773.32	0.00000
652895.22	4188798.05	0.00000	652893.52	4188822.77	0.00000
652891.83	4188847.50	0.00000	652890.13	4188872.22	0.00000
652888.44	4188896.94	0.00000	652886.74	4188921.67	0.00000
652885.04	4188946.39	0.00000	652883.35	4188971.12	0.00000
652881.65	4188995.84	0.00000	652879.96	4189020.57	0.00000
652878.26	4189045.29	0.00000	652876.57	4189070.01	0.00000
652874.87	4189094.74	0.00000	652873.17	4189119.46	0.00000
652871.48	4189144.19	0.00000	652869.78	4189168.91	0.00000
652868.09	4189193.63	0.00000	652866.39	4189218.36	0.00000
652864.69	4189243.08	0.00000	652863.00	4189267.81	0.00000
652861.30	4189292.53	0.00000	652859.61	4189317.26	0.00000
652857.91	4189341.98	0.00000	652856.22	4189366.70	0.00000

652854.52	4189391.43	0.00000	652852.82	4189416.15	0.00000
652851.13	4189440.88	0.00000	652849.43	4189465.60	0.00000
652847.74	4189490.32	0.00000	652846.04	4189515.05	0.00000
652844.35	4189539.77	0.00000	652842.65	4189564.50	0.00000

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHIDLE ***
INCLUDING SOURCE(S): L0022301 , L0022302 , L0022303 , L0022304 , L0022305 ,
L0022306 , L0022307 , L0022308 , L0022309 , L0022310 , L0022311 , L0022312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00000	652839.26	4189613.94	0.00000
652837.56	4189638.67	0.00000	652835.87	4189663.39	0.00000
652834.17	4189688.12	0.00000	652832.48	4189712.84	0.00000
652830.78	4189737.57	0.00000	652829.08	4189762.29	0.00000
652827.39	4189787.01	0.00000	652825.69	4189811.74	0.00000
652824.00	4189836.46	0.00000	652822.30	4189861.19	0.00000
652820.61	4189885.91	0.00000	652818.91	4189910.63	0.00000
652817.21	4189935.36	0.00000	652815.52	4189960.08	0.00000
652813.82	4189984.81	0.00000	652812.13	4190009.53	0.00000
652810.43	4190034.26	0.00000	652808.73	4190058.98	0.00000
652807.04	4190083.70	0.00000	652805.34	4190108.43	0.00000
652803.65	4190133.15	0.00000	652801.95	4190157.88	0.00000
652800.26	4190182.60	0.00000	652798.56	4190207.32	0.00000
652796.86	4190232.05	0.00000	652795.17	4190256.77	0.00000
652793.47	4190281.50	0.00000	652791.78	4190306.22	0.00000
652790.08	4190330.95	0.00000	652788.39	4190355.67	0.00000
652786.69	4190380.39	0.00000	652784.99	4190405.12	0.00000
652783.30	4190429.84	0.00000	652781.60	4190454.57	0.00000
652779.91	4190479.29	0.00000	652778.21	4190504.01	0.00000
652776.52	4190528.74	0.00000	652774.82	4190553.46	0.00000
652773.12	4190578.19	0.00000	652771.43	4190602.91	0.00000
652769.73	4190627.63	0.00000	652768.04	4190652.36	0.00000
652766.34	4190677.08	0.00000	652764.65	4190701.81	0.00000
652762.95	4190726.53	0.00000	652761.25	4190751.26	0.00000
652759.56	4190775.98	0.00000	652757.86	4190800.70	0.00000
652756.17	4190825.43	0.00000	652754.47	4190850.15	0.00000
652752.77	4190874.88	0.00000	652751.08	4190899.60	0.00000
652749.38	4190924.32	0.00001	652747.69	4190949.05	0.00001
652745.99	4190973.77	0.00001	652744.30	4190998.50	0.00000
652742.60	4191023.22	0.00000	652740.90	4191047.95	0.00000
652739.21	4191072.67	0.00000	652737.51	4191097.39	0.00000
652735.82	4191122.12	0.00000	652734.12	4191146.84	0.00000
652732.43	4191171.57	0.00000	652755.51	4191197.10	0.00000
652780.28	4191197.91	0.00000	652805.06	4191198.72	0.00000
652829.84	4191199.53	0.00000	652854.61	4191200.34	0.00000
652879.39	4191201.16	0.00000	652904.17	4191201.97	0.00000
652928.94	4191202.78	0.00000	652953.72	4191203.59	0.00000
652978.50	4191204.40	0.00000	653003.27	4191205.21	0.00000
653029.78	4191181.33	0.00000	653031.51	4191156.64	0.00000
653033.24	4191131.95	0.00000	653034.97	4191107.25	0.00000

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**MODELOPTs: NonDFAULT CONC FLAT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHIDLE ***
INCLUDING SOURCE(S): L0022301 , L0022302 , L0022303 , L0022304 , L0022305 ,
L0022306 , L0022307 , L0022308 , L0022309 , L0022310 , L0022311 , L0022312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00000	653038.43	4191057.87	0.00000
653040.16	4191033.18	0.00001	653041.89	4191008.49	0.00001
653043.62	4190983.80	0.00001	653045.35	4190959.11	0.00001
653047.08	4190934.42	0.00001	653048.81	4190909.72	0.00001
653050.54	4190885.03	0.00001	653052.27	4190860.34	0.00001
653054.00	4190835.65	0.00001	653055.73	4190810.96	0.00001
653057.46	4190786.27	0.00001	653059.19	4190761.58	0.00001
653060.92	4190736.88	0.00001	653062.65	4190712.19	0.00001
653064.39	4190687.50	0.00001	653066.12	4190662.81	0.00001
653067.85	4190638.12	0.00001	653069.58	4190613.43	0.00001
653071.31	4190588.74	0.00001	653073.04	4190564.04	0.00001
653074.77	4190539.35	0.00001	653076.50	4190514.66	0.00001
653078.23	4190489.97	0.00001	653079.96	4190465.28	0.00001
653081.69	4190440.59	0.00000	653083.42	4190415.90	0.00000
653085.15	4190391.21	0.00000	653086.88	4190366.51	0.00000
653088.61	4190341.82	0.00000	653090.34	4190317.13	0.00000
653092.07	4190292.44	0.00000	653093.80	4190267.75	0.00000
653095.53	4190243.06	0.00000	653097.26	4190218.37	0.00000
653098.99	4190193.67	0.00000	653100.72	4190168.98	0.00000
653102.45	4190144.29	0.00000	653104.18	4190119.60	0.00000
653105.91	4190094.91	0.00000	653107.64	4190070.22	0.00000
653109.37	4190045.53	0.00000	653111.10	4190020.83	0.00000
653112.83	4189996.14	0.00000	653114.56	4189971.45	0.00000
653116.29	4189946.76	0.00000	653118.02	4189922.07	0.00000
653119.75	4189897.38	0.00000	653121.48	4189872.69	0.00000
653123.21	4189848.00	0.00000	653124.94	4189823.30	0.00000
653126.67	4189798.61	0.00000	653128.40	4189773.92	0.00000
653130.13	4189749.23	0.00000	653131.86	4189724.54	0.00000
653133.60	4189699.85	0.00000	653135.33	4189675.16	0.00000
653137.06	4189650.46	0.00000	653138.79	4189625.77	0.00000
653140.52	4189601.08	0.00000	653142.25	4189576.39	0.00000
653143.98	4189551.70	0.00000	653145.71	4189527.01	0.00000
653147.44	4189502.32	0.00000	653149.17	4189477.62	0.00000
653150.90	4189452.93	0.00000	653152.63	4189428.24	0.00000
653154.36	4189403.55	0.00000	653156.09	4189378.86	0.00000
653157.82	4189354.17	0.00000	653159.55	4189329.48	0.00000
653161.28	4189304.79	0.00000	653163.01	4189280.09	0.00000
653164.74	4189255.40	0.00000	653166.47	4189230.71	0.00000
653191.80	4189205.78	0.00000	653215.40	4189205.54	0.00000
653239.00	4189205.29	0.00000	653264.20	4189181.01	0.00000

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHIDLE ***
INCLUDING SOURCE(S): L0022301 , L0022302 , L0022303 , L0022304 , L0022305 ,
L0022306 , L0022307 , L0022308 , L0022309 , L0022310 , L0022311 , L0022312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC

653265.81	4189156.96	0.00000	653267.41	4189132.92	0.00000
653269.01	4189108.87	0.00000	653270.61	4189084.83	0.00000
653272.22	4189060.78	0.00000	653273.82	4189036.74	0.00000
653275.42	4189012.69	0.00000	653277.03	4188988.65	0.00000
653278.63	4188964.60	0.00000	653280.23	4188940.56	0.00000
653281.84	4188916.51	0.00000	653283.44	4188892.47	0.00000
653285.04	4188868.42	0.00000	653286.64	4188844.38	0.00000
653288.25	4188820.33	0.00000	653275.01	4188771.96	0.00000
653276.23	4188748.61	0.00000	653277.44	4188725.25	0.00000
653255.06	4188705.54	0.00000	653218.56	4188697.26	0.00000
653206.90	4188672.36	0.00000	653208.62	4188647.70	0.00000
653210.34	4188623.04	0.00000	653212.06	4188598.38	0.00000
653213.78	4188573.71	0.00000	653215.50	4188549.05	0.00000
653217.22	4188524.39	0.00000	653218.94	4188499.73	0.00000
653220.66	4188475.07	0.00000	653222.38	4188450.41	0.00000
653224.10	4188425.75	0.00000	653225.82	4188401.09	0.00000
653227.54	4188376.43	0.00000	653229.27	4188351.76	0.00000
653230.99	4188327.10	0.00000	653232.71	4188302.44	0.00000
653234.43	4188277.78	0.00000	653236.15	4188253.12	0.00000
653237.87	4188228.46	0.00000	653239.59	4188203.80	0.00000
653241.31	4188179.14	0.00000	653243.03	4188154.48	0.00000
653244.75	4188129.82	0.00000	653246.47	4188105.15	0.00000
653248.19	4188080.49	0.00000	653249.91	4188055.83	0.00000
653251.63	4188031.17	0.00000	653232.18	4188006.27	0.00000
653211.02	4188006.03	0.00000	653189.85	4188005.78	0.00000
653157.49	4188039.24	0.00000	653156.51	4188063.20	0.00000
653155.54	4188087.17	0.00000	653114.67	4188088.58	0.00000
653092.77	4188087.94	0.00000	653033.89	4188123.95	0.00000
653032.91	4188142.11	0.00000	653007.61	4188160.16	0.00000
652983.28	4188160.04	0.00000	652958.95	4188159.91	0.00000
653604.00	4191168.00	0.00000	653588.00	4190933.00	0.00000
653594.00	4189999.00	0.00000	653476.00	4189883.00	0.00000
653354.00	4189808.00	0.00000	653542.00	4189703.00	0.00000
653628.00	4189498.00	0.00000	653633.00	4189382.00	0.00000
653629.00	4189120.00	0.00000	653407.00	4188788.00	0.00000
653666.00	4188604.00	0.00000	653683.00	4188423.00	0.00000
653572.00	4188259.00	0.00000	653620.00	4187985.00	0.00000
653337.00	4187981.00	0.00000	652989.00	4188122.00	0.00000
651751.00	4188075.00	0.00000	651729.00	4188986.00	0.00000
651726.00	4189755.00	0.00000	652233.00	4190966.00	0.00000

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHIDLE ***
INCLUDING SOURCE(S): L0022301 , L0022302 , L0022303 , L0022304 , L0022305 ,
L0022306 , L0022307 , L0022308 , L0022309 , L0022310 , L0022311 , L0022312 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00000	652658.00	4191223.00	0.00000
653409.00	4191269.00	0.00000			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHWORK ***
INCLUDING SOURCE(S): L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,
L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00154	652891.80	4188749.57	0.00400
652898.61	4188748.60	0.00406	652730.73	4191196.29	0.00057
653028.05	4191206.02	0.00047	653168.20	4189206.02	0.00603
653262.60	4189205.05	0.00481	653289.85	4188796.29	0.00478
653273.79	4188795.32	0.00493	653278.66	4188701.89	0.00489
653231.46	4188709.19	0.00545	653231.94	4188697.51	0.00544
653205.18	4188697.02	0.00586	653253.35	4188006.51	0.00152
653168.68	4188005.54	0.00143	653158.46	4188015.27	0.00145
653154.57	4188111.13	0.00176	653138.03	4188112.11	0.00174
653136.57	4188089.23	0.00165	653070.87	4188087.29	0.00154
653060.65	4188096.53	0.00155	653048.49	4188105.78	0.00156
653034.86	4188105.78	0.00154	653031.94	4188160.28	0.00176
652932.84	4188184.36	0.00162	652931.05	4188208.94	0.00171
652929.27	4188233.51	0.00182	652927.48	4188258.09	0.00197
652925.70	4188282.66	0.00214	652923.92	4188307.24	0.00221
652922.13	4188331.81	0.00238	652920.35	4188356.38	0.00226
652918.56	4188380.96	0.00245	652916.78	4188405.53	0.00246
652914.99	4188430.11	0.00277	652913.21	4188454.68	0.00286
652911.43	4188479.25	0.00310	652909.64	4188503.83	0.00315
652907.86	4188528.40	0.00337	652906.07	4188552.98	0.00340
652904.29	4188577.55	0.00360	652902.51	4188602.13	0.00361
652900.72	4188626.70	0.00379	652898.94	4188651.27	0.00377
652897.15	4188675.85	0.00394	652895.37	4188700.42	0.00390
652893.58	4188725.00	0.00405	652896.91	4188773.32	0.00410
652895.22	4188798.05	0.00414	652893.52	4188822.77	0.00417
652891.83	4188847.50	0.00420	652890.13	4188872.22	0.00423
652888.44	4188896.94	0.00424	652886.74	4188921.67	0.00427
652885.04	4188946.39	0.00428	652883.35	4188971.12	0.00431
652881.65	4188995.84	0.00431	652879.96	4189020.57	0.00433
652878.26	4189045.29	0.00433	652876.57	4189070.01	0.00436
652874.87	4189094.74	0.00434	652873.17	4189119.46	0.00437
652871.48	4189144.19	0.00436	652869.78	4189168.91	0.00438
652868.09	4189193.63	0.00436	652866.39	4189218.36	0.00439
652864.69	4189243.08	0.00436	652863.00	4189267.81	0.00440
652861.30	4189292.53	0.00436	652859.61	4189317.26	0.00440
652857.91	4189341.98	0.00436	652856.22	4189366.70	0.00440
652854.52	4189391.43	0.00436	652852.82	4189416.15	0.00440
652851.13	4189440.88	0.00435	652849.43	4189465.60	0.00439
652847.74	4189490.32	0.00434	652846.04	4189515.05	0.00438
652844.35	4189539.77	0.00432	652842.65	4189564.50	0.00437

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHWORK ***
INCLUDING SOURCE(S): L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,

L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00431	652839.26	4189613.94	0.00436
652837.56	4189638.67	0.00429	652835.87	4189663.39	0.00435
652834.17	4189688.12	0.00427	652832.48	4189712.84	0.00433
652830.78	4189737.57	0.00424	652829.08	4189762.29	0.00431
652827.39	4189787.01	0.00416	652825.69	4189811.74	0.00429
652824.00	4189836.46	0.00413	652822.30	4189861.19	0.00426
652820.61	4189885.91	0.00410	652818.91	4189910.63	0.00423
652817.21	4189935.36	0.00407	652815.52	4189960.08	0.00420
652813.82	4189984.81	0.00404	652812.13	4190009.53	0.00417
652810.43	4190034.26	0.00407	652808.73	4190058.98	0.00413
652807.04	4190083.70	0.00403	652805.34	4190108.43	0.00408
652803.65	4190133.15	0.00398	652801.95	4190157.88	0.00403
652800.26	4190182.60	0.00393	652798.56	4190207.32	0.00398
652796.86	4190232.05	0.00387	652795.17	4190256.77	0.00391
652793.47	4190281.50	0.00381	652791.78	4190306.22	0.00384
652790.08	4190330.95	0.00373	652788.39	4190355.67	0.00377
652786.69	4190380.39	0.00366	652784.99	4190405.12	0.00368
652783.30	4190429.84	0.00363	652781.60	4190454.57	0.00358
652779.91	4190479.29	0.00345	652778.21	4190504.01	0.00346
652776.52	4190528.74	0.00332	652774.82	4190553.46	0.00331
652773.12	4190578.19	0.00316	652771.43	4190602.91	0.00311
652769.73	4190627.63	0.00294	652768.04	4190652.36	0.00284
652766.34	4190677.08	0.00259	652764.65	4190701.81	0.00237
652762.95	4190726.53	0.00227	652761.25	4190751.26	0.00224
652759.56	4190775.98	0.00211	652757.86	4190800.70	0.00203
652756.17	4190825.43	0.00174	652754.47	4190850.15	0.00151
652752.77	4190874.88	0.00133	652751.08	4190899.60	0.00119
652749.38	4190924.32	0.00108	652747.69	4190949.05	0.00099
652745.99	4190973.77	0.00092	652744.30	4190998.50	0.00086
652742.60	4191023.22	0.00080	652740.90	4191047.95	0.00076
652739.21	4191072.67	0.00072	652737.51	4191097.39	0.00068
652735.82	4191122.12	0.00065	652734.12	4191146.84	0.00062
652732.43	4191171.57	0.00060	652755.51	4191197.10	0.00056
652780.28	4191197.91	0.00054	652805.06	4191198.72	0.00053
652829.84	4191199.53	0.00052	652854.61	4191200.34	0.00051
652879.39	4191201.16	0.00050	652904.17	4191201.97	0.00049
652928.94	4191202.78	0.00049	652953.72	4191203.59	0.00048
652978.50	4191204.40	0.00048	653003.27	4191205.21	0.00047
653029.78	4191181.33	0.00048	653031.51	4191156.64	0.00050
653033.24	4191131.95	0.00051	653034.97	4191107.25	0.00053

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHWORK ***
INCLUDING SOURCE(S): L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,
L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00055	653038.43	4191057.87	0.00056
653040.16	4191033.18	0.00059	653041.89	4191008.49	0.00061
653043.62	4190983.80	0.00064	653045.35	4190959.11	0.00067
653047.08	4190934.42	0.00070	653048.81	4190909.72	0.00075
653050.54	4190885.03	0.00081	653052.27	4190860.34	0.00089
653054.00	4190835.65	0.00098	653055.73	4190810.96	0.00111
653057.46	4190786.27	0.00125	653059.19	4190761.58	0.00142
653060.92	4190736.88	0.00161	653062.65	4190712.19	0.00181
653064.39	4190687.50	0.00202	653066.12	4190662.81	0.00226
653067.85	4190638.12	0.00253	653069.58	4190613.43	0.00285
653071.31	4190588.74	0.00318	653073.04	4190564.04	0.00351
653074.77	4190539.35	0.00380	653076.50	4190514.66	0.00405
653078.23	4190489.97	0.00426	653079.96	4190465.28	0.00443
653081.69	4190440.59	0.00458	653083.42	4190415.90	0.00470
653085.15	4190391.21	0.00481	653086.88	4190366.51	0.00490
653088.61	4190341.82	0.00498	653090.34	4190317.13	0.00506
653092.07	4190292.44	0.00513	653093.80	4190267.75	0.00519
653095.53	4190243.06	0.00524	653097.26	4190218.37	0.00529
653098.99	4190193.67	0.00534	653100.72	4190168.98	0.00539
653102.45	4190144.29	0.00543	653104.18	4190119.60	0.00547
653105.91	4190094.91	0.00550	653107.64	4190070.22	0.00554
653109.37	4190045.53	0.00557	653111.10	4190020.83	0.00560
653112.83	4189996.14	0.00563	653114.56	4189971.45	0.00565
653116.29	4189946.76	0.00568	653118.02	4189922.07	0.00570
653119.75	4189897.38	0.00573	653121.48	4189872.69	0.00575
653123.21	4189848.00	0.00577	653124.94	4189823.30	0.00579
653126.67	4189798.61	0.00581	653128.40	4189773.92	0.00582
653130.13	4189749.23	0.00584	653131.86	4189724.54	0.00585
653133.60	4189699.85	0.00587	653135.33	4189675.16	0.00588
653137.06	4189650.46	0.00590	653138.79	4189625.77	0.00591
653140.52	4189601.08	0.00592	653142.25	4189576.39	0.00593
653143.98	4189551.70	0.00594	653145.71	4189527.01	0.00595
653147.44	4189502.32	0.00596	653149.17	4189477.62	0.00597
653150.90	4189452.93	0.00598	653152.63	4189428.24	0.00599
653154.36	4189403.55	0.00599	653156.09	4189378.86	0.00600
653157.82	4189354.17	0.00600	653159.55	4189329.48	0.00601
653161.28	4189304.79	0.00601	653163.01	4189280.09	0.00602
653164.74	4189255.40	0.00602	653166.47	4189230.71	0.00602
653191.80	4189205.78	0.00564	653215.40	4189205.54	0.00532
653239.00	4189205.29	0.00505	653264.20	4189181.01	0.00482

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHWORK ***
INCLUDING SOURCE(S): L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,
L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00482	653267.41	4189132.92	0.00482
653269.01	4189108.87	0.00482	653270.61	4189084.83	0.00482

653272.22	4189060.78	0.00483	653273.82	4189036.74	0.00483
653275.42	4189012.69	0.00482	653277.03	4188988.65	0.00482
653278.63	4188964.60	0.00482	653280.23	4188940.56	0.00482
653281.84	4188916.51	0.00481	653283.44	4188892.47	0.00481
653285.04	4188868.42	0.00480	653286.64	4188844.38	0.00480
653288.25	4188820.33	0.00479	653275.01	4188771.96	0.00493
653276.23	4188748.61	0.00492	653277.44	4188725.25	0.00491
653255.06	4188705.54	0.00515	653218.56	4188697.26	0.00564
653206.90	4188672.36	0.00584	653208.62	4188647.70	0.00581
653210.34	4188623.04	0.00576	653212.06	4188598.38	0.00569
653213.78	4188573.71	0.00559	653215.50	4188549.05	0.00543
653217.22	4188524.39	0.00522	653218.94	4188499.73	0.00496
653220.66	4188475.07	0.00468	653222.38	4188450.41	0.00439
653224.10	4188425.75	0.00411	653225.82	4188401.09	0.00384
653227.54	4188376.43	0.00359	653229.27	4188351.76	0.00336
653230.99	4188327.10	0.00314	653232.71	4188302.44	0.00294
653234.43	4188277.78	0.00275	653236.15	4188253.12	0.00258
653237.87	4188228.46	0.00243	653239.59	4188203.80	0.00228
653241.31	4188179.14	0.00215	653243.03	4188154.48	0.00204
653244.75	4188129.82	0.00193	653246.47	4188105.15	0.00183
653248.19	4188080.49	0.00174	653249.91	4188055.83	0.00166
653251.63	4188031.17	0.00159	653232.18	4188006.27	0.00150
653211.02	4188006.03	0.00148	653189.85	4188005.78	0.00146
653157.49	4188039.24	0.00151	653156.51	4188063.20	0.00159
653155.54	4188087.17	0.00167	653114.67	4188088.58	0.00161
653092.77	4188087.94	0.00158	653033.89	4188123.95	0.00160
653032.91	4188142.11	0.00168	653007.61	4188160.16	0.00170
652983.28	4188160.04	0.00164	652958.95	4188159.91	0.00158
653604.00	4191168.00	0.00042	653588.00	4190933.00	0.00062
653594.00	4189999.00	0.00234	653476.00	4189883.00	0.00288
653354.00	4189808.00	0.00355	653542.00	4189703.00	0.00283
653628.00	4189498.00	0.00271	653633.00	4189382.00	0.00276
653629.00	4189120.00	0.00290	653407.00	4188788.00	0.00392
653666.00	4188604.00	0.00268	653683.00	4188423.00	0.00233
653572.00	4188259.00	0.00215	653620.00	4187985.00	0.00150
653337.00	4187981.00	0.00151	652989.00	4188122.00	0.00151
651751.00	4188075.00	0.00066	651729.00	4188986.00	0.00096
651726.00	4189755.00	0.00119	652233.00	4190966.00	0.00119

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SWCHWORK ***
INCLUDING SOURCE(S): L0002371 , L0002372 , L0002373 , L0002374 , L0002375 ,
L0002376 , L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 ,
L0002384 , L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 ,
L0002392 , L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00093	652658.00	4191223.00	0.00061
653409.00	4191269.00	0.00038			

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DRAYTRKI ***

INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00031	652891.80	4188749.57	0.00049
652898.61	4188748.60	0.00049	652730.73	4191196.29	0.00498
653028.05	4191206.02	0.00301	653168.20	4189206.02	0.00072
653262.60	4189205.05	0.00074	653289.85	4188796.29	0.00049
653273.79	4188795.32	0.00049	653278.66	4188701.89	0.00045
653231.46	4188709.19	0.00045	653231.94	4188697.51	0.00045
653205.18	4188697.02	0.00044	653253.35	4188006.51	0.00027
653168.68	4188005.54	0.00027	653158.46	4188015.27	0.00027
653154.57	4188111.13	0.00029	653138.03	4188112.11	0.00029
653136.57	4188089.23	0.00029	653070.87	4188087.29	0.00029
653060.65	4188096.53	0.00029	653048.49	4188105.78	0.00029
653034.86	4188105.78	0.00029	653031.94	4188160.28	0.00030
652932.84	4188184.36	0.00031	652931.05	4188208.94	0.00032
652929.27	4188233.51	0.00032	652927.48	4188258.09	0.00033
652925.70	4188282.66	0.00033	652923.92	4188307.24	0.00034
652922.13	4188331.81	0.00035	652920.35	4188356.38	0.00035
652918.56	4188380.96	0.00036	652916.78	4188405.53	0.00037
652914.99	4188430.11	0.00037	652913.21	4188454.68	0.00038
652911.43	4188479.25	0.00039	652909.64	4188503.83	0.00040
652907.86	4188528.40	0.00040	652906.07	4188552.98	0.00041
652904.29	4188577.55	0.00042	652902.51	4188602.13	0.00043
652900.72	4188626.70	0.00044	652898.94	4188651.27	0.00045
652897.15	4188675.85	0.00046	652895.37	4188700.42	0.00047
652893.58	4188725.00	0.00048	652896.91	4188773.32	0.00050
652895.22	4188798.05	0.00051	652893.52	4188822.77	0.00052
652891.83	4188847.50	0.00054	652890.13	4188872.22	0.00055
652888.44	4188896.94	0.00056	652886.74	4188921.67	0.00058
652885.04	4188946.39	0.00059	652883.35	4188971.12	0.00061
652881.65	4188995.84	0.00062	652879.96	4189020.57	0.00064
652878.26	4189045.29	0.00066	652876.57	4189070.01	0.00068
652874.87	4189094.74	0.00069	652873.17	4189119.46	0.00071
652871.48	4189144.19	0.00073	652869.78	4189168.91	0.00076
652868.09	4189193.63	0.00078	652866.39	4189218.36	0.00080
652864.69	4189243.08	0.00082	652863.00	4189267.81	0.00085
652861.30	4189292.53	0.00087	652859.61	4189317.26	0.00090
652857.91	4189341.98	0.00093	652856.22	4189366.70	0.00096
652854.52	4189391.43	0.00099	652852.82	4189416.15	0.00102
652851.13	4189440.88	0.00105	652849.43	4189465.60	0.00109
652847.74	4189490.32	0.00113	652846.04	4189515.05	0.00116
652844.35	4189539.77	0.00120	652842.65	4189564.50	0.00125

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DRAYTRKI ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.00129	652839.26	4189613.94	0.00134
652837.56	4189638.67	0.00139	652835.87	4189663.39	0.00144
652834.17	4189688.12	0.00150	652832.48	4189712.84	0.00156
652830.78	4189737.57	0.00162	652829.08	4189762.29	0.00169
652827.39	4189787.01	0.00176	652825.69	4189811.74	0.00183
652824.00	4189836.46	0.00190	652822.30	4189861.19	0.00198
652820.61	4189885.91	0.00207	652818.91	4189910.63	0.00215
652817.21	4189935.36	0.00224	652815.52	4189960.08	0.00233
652813.82	4189984.81	0.00243	652812.13	4190009.53	0.00253
652810.43	4190034.26	0.00264	652808.73	4190058.98	0.00275
652807.04	4190083.70	0.00287	652805.34	4190108.43	0.00299
652803.65	4190133.15	0.00313	652801.95	4190157.88	0.00328
652800.26	4190182.60	0.00345	652798.56	4190207.32	0.00362
652796.86	4190232.05	0.00381	652795.17	4190256.77	0.00400
652793.47	4190281.50	0.00420	652791.78	4190306.22	0.00440
652790.08	4190330.95	0.00461	652788.39	4190355.67	0.00483
652786.69	4190380.39	0.00507	652784.99	4190405.12	0.00532
652783.30	4190429.84	0.00557	652781.60	4190454.57	0.00583
652779.91	4190479.29	0.00607	652778.21	4190504.01	0.00631
652776.52	4190528.74	0.00655	652774.82	4190553.46	0.00679
652773.12	4190578.19	0.00702	652771.43	4190602.91	0.00724
652769.73	4190627.63	0.00745	652768.04	4190652.36	0.00764
652766.34	4190677.08	0.00782	652764.65	4190701.81	0.00800
652762.95	4190726.53	0.00818	652761.25	4190751.26	0.00835
652759.56	4190775.98	0.00851	652757.86	4190800.70	0.00862
652756.17	4190825.43	0.00871	652754.47	4190850.15	0.00875
652752.77	4190874.88	0.00875	652751.08	4190899.60	0.00870
652749.38	4190924.32	0.00860	652747.69	4190949.05	0.00845
652745.99	4190973.77	0.00826	652744.30	4190998.50	0.00805
652742.60	4191023.22	0.00779	652740.90	4191047.95	0.00748
652739.21	4191072.67	0.00712	652737.51	4191097.39	0.00671
652735.82	4191122.12	0.00628	652734.12	4191146.84	0.00583
652732.43	4191171.57	0.00540	652755.51	4191197.10	0.00506
652780.28	4191197.91	0.00511	652805.06	4191198.72	0.00511
652829.84	4191199.53	0.00504	652854.61	4191200.34	0.00490
652879.39	4191201.16	0.00469	652904.17	4191201.97	0.00441
652928.94	4191202.78	0.00408	652953.72	4191203.59	0.00373
652978.50	4191204.40	0.00342	653003.27	4191205.21	0.00318
653029.78	4191181.33	0.00336	653031.51	4191156.64	0.00380
653033.24	4191131.95	0.00437	653034.97	4191107.25	0.00518

**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DRAYTRKI ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00636	653038.43	4191057.87	0.00648

653040.16	4191033.18	0.00745	653041.89	4191008.49	0.01051
653043.62	4190983.80	0.01851	653045.35	4190959.11	0.01954
653047.08	4190934.42	0.02302	653048.81	4190909.72	0.02248
653050.54	4190885.03	0.02518	653052.27	4190860.34	0.02411
653054.00	4190835.65	0.02642	653055.73	4190810.96	0.02501
653057.46	4190786.27	0.02697	653059.19	4190761.58	0.02530
653060.92	4190736.88	0.02686	653062.65	4190712.19	0.02679
653064.39	4190687.50	0.02441	653066.12	4190662.81	0.02284
653067.85	4190638.12	0.01899	653069.58	4190613.43	0.01861
653071.31	4190588.74	0.01569	653073.04	4190564.04	0.01647
653074.77	4190539.35	0.01395	653076.50	4190514.66	0.01532
653078.23	4190489.97	0.01277	653079.96	4190465.28	0.01442
653081.69	4190440.59	0.01172	653083.42	4190415.90	0.01343
653085.15	4190391.21	0.01043	653086.88	4190366.51	0.01240
653088.61	4190341.82	0.01018	653090.34	4190317.13	0.01229
653092.07	4190292.44	0.00999	653093.80	4190267.75	0.00802
653095.53	4190243.06	0.00673	653097.26	4190218.37	0.00582
653098.99	4190193.67	0.00513	653100.72	4190168.98	0.00459
653102.45	4190144.29	0.00416	653104.18	4190119.60	0.00379
653105.91	4190094.91	0.00348	653107.64	4190070.22	0.00322
653109.37	4190045.53	0.00299	653111.10	4190020.83	0.00278
653112.83	4189996.14	0.00260	653114.56	4189971.45	0.00244
653116.29	4189946.76	0.00230	653118.02	4189922.07	0.00217
653119.75	4189897.38	0.00205	653121.48	4189872.69	0.00195
653123.21	4189848.00	0.00185	653124.94	4189823.30	0.00176
653126.67	4189798.61	0.00168	653128.40	4189773.92	0.00160
653130.13	4189749.23	0.00153	653131.86	4189724.54	0.00146
653133.60	4189699.85	0.00140	653135.33	4189675.16	0.00135
653137.06	4189650.46	0.00129	653138.79	4189625.77	0.00124
653140.52	4189601.08	0.00120	653142.25	4189576.39	0.00115
653143.98	4189551.70	0.00111	653145.71	4189527.01	0.00107
653147.44	4189502.32	0.00104	653149.17	4189477.62	0.00100
653150.90	4189452.93	0.00097	653152.63	4189428.24	0.00094
653154.36	4189403.55	0.00091	653156.09	4189378.86	0.00088
653157.82	4189354.17	0.00085	653159.55	4189329.48	0.00083
653161.28	4189304.79	0.00080	653163.01	4189280.09	0.00078
653164.74	4189255.40	0.00076	653166.47	4189230.71	0.00074
653191.80	4189205.78	0.00072	653215.40	4189205.54	0.00073
653239.00	4189205.29	0.00073	653264.20	4189181.01	0.00072

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DRAYTRKI ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00070	653267.41	4189132.92	0.00068
653269.01	4189108.87	0.00067	653270.61	4189084.83	0.00065
653272.22	4189060.78	0.00063	653273.82	4189036.74	0.00062
653275.42	4189012.69	0.00060	653277.03	4188988.65	0.00059
653278.63	4188964.60	0.00058	653280.23	4188940.56	0.00056

653281.84	4188916.51	0.00055	653283.44	4188892.47	0.00054
653285.04	4188868.42	0.00053	653286.64	4188844.38	0.00051
653288.25	4188820.33	0.00050	653275.01	4188771.96	0.00048
653276.23	4188748.61	0.00047	653277.44	4188725.25	0.00046
653255.06	4188705.54	0.00045	653218.56	4188697.26	0.00045
653206.90	4188672.36	0.00044	653208.62	4188647.70	0.00043
653210.34	4188623.04	0.00042	653212.06	4188598.38	0.00041
653213.78	4188573.71	0.00040	653215.50	4188549.05	0.00040
653217.22	4188524.39	0.00039	653218.94	4188499.73	0.00038
653220.66	4188475.07	0.00037	653222.38	4188450.41	0.00037
653224.10	4188425.75	0.00036	653225.82	4188401.09	0.00035
653227.54	4188376.43	0.00035	653229.27	4188351.76	0.00034
653230.99	4188327.10	0.00034	653232.71	4188302.44	0.00033
653234.43	4188277.78	0.00033	653236.15	4188253.12	0.00032
653237.87	4188228.46	0.00032	653239.59	4188203.80	0.00031
653241.31	4188179.14	0.00031	653243.03	4188154.48	0.00030
653244.75	4188129.82	0.00030	653246.47	4188105.15	0.00029
653248.19	4188080.49	0.00029	653249.91	4188055.83	0.00028
653251.63	4188031.17	0.00028	653232.18	4188006.27	0.00027
653211.02	4188006.03	0.00027	653189.85	4188005.78	0.00027
653157.49	4188039.24	0.00028	653156.51	4188063.20	0.00028
653155.54	4188087.17	0.00029	653114.67	4188088.58	0.00029
653092.77	4188087.94	0.00029	653033.89	4188123.95	0.00029
653032.91	4188142.11	0.00030	653007.61	4188160.16	0.00030
652983.28	4188160.04	0.00030	652958.95	4188159.91	0.00030
653604.00	4191168.00	0.00202	653588.00	4190933.00	0.00400
653594.00	4189999.00	0.00250	653476.00	4189883.00	0.00221
653354.00	4189808.00	0.00199	653542.00	4189703.00	0.00160
653628.00	4189498.00	0.00119	653633.00	4189382.00	0.00104
653629.00	4189120.00	0.00078	653407.00	4188788.00	0.00051
653666.00	4188604.00	0.00048	653683.00	4188423.00	0.00041
653572.00	4188259.00	0.00035	653620.00	4187985.00	0.00029
653337.00	4187981.00	0.00027	652989.00	4188122.00	0.00029
651751.00	4188075.00	0.00028	651729.00	4188986.00	0.00038
651726.00	4189755.00	0.00063	652233.00	4190966.00	0.00252

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DRAYTRKI ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00216	652658.00	4191223.00	0.00427
653409.00	4191269.00	0.00158			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CRGOHNDL ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,

L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00391	652891.80	4188749.57	0.01464
652898.61	4188748.60	0.01470	652730.73	4191196.29	0.00125
653028.05	4191206.02	0.00104	653168.20	4189206.02	0.01492
653262.60	4189205.05	0.01082	653289.85	4188796.29	0.01054
653273.79	4188795.32	0.01105	653278.66	4188701.89	0.01088
653231.46	4188709.19	0.01276	653231.94	4188697.51	0.01273
653205.18	4188697.02	0.01415	653253.35	4188006.51	0.00286
653168.68	4188005.54	0.00281	653158.46	4188015.27	0.00286
653154.57	4188111.13	0.00363	653138.03	4188112.11	0.00363
653136.57	4188089.23	0.00341	653070.87	4188087.29	0.00332
653060.65	4188096.53	0.00340	653048.49	4188105.78	0.00347
653034.86	4188105.78	0.00345	653031.94	4188160.28	0.00411
652932.84	4188184.36	0.00424	652931.05	4188208.94	0.00463
652929.27	4188233.51	0.00511	652927.48	4188258.09	0.00572
652925.70	4188282.66	0.00651	652923.92	4188307.24	0.00691
652922.13	4188331.81	0.00787	652920.35	4188356.38	0.00759
652918.56	4188380.96	0.00850	652916.78	4188405.53	0.00868
652914.99	4188430.11	0.00983	652913.21	4188454.68	0.01057
652911.43	4188479.25	0.01077	652909.64	4188503.83	0.01155
652907.86	4188528.40	0.01229	652906.07	4188552.98	0.01228
652904.29	4188577.55	0.01296	652902.51	4188602.13	0.01347
652900.72	4188626.70	0.01368	652898.94	4188651.27	0.01403
652897.15	4188675.85	0.01382	652895.37	4188700.42	0.01411
652893.58	4188725.00	0.01465	652896.91	4188773.32	0.01504
652895.22	4188798.05	0.01479	652893.52	4188822.77	0.01472
652891.83	4188847.50	0.01540	652890.13	4188872.22	0.01500
652888.44	4188896.94	0.01503	652886.74	4188921.67	0.01520
652885.04	4188946.39	0.01537	652883.35	4188971.12	0.01568
652881.65	4188995.84	0.01531	652879.96	4189020.57	0.01518
652878.26	4189045.29	0.01579	652876.57	4189070.01	0.01534
652874.87	4189094.74	0.01543	652873.17	4189119.46	0.01549
652871.48	4189144.19	0.01534	652869.78	4189168.91	0.01593
652868.09	4189193.63	0.01551	652866.39	4189218.36	0.01532
652864.69	4189243.08	0.01558	652863.00	4189267.81	0.01546
652861.30	4189292.53	0.01560	652859.61	4189317.26	0.01559
652857.91	4189341.98	0.01543	652856.22	4189366.70	0.01601
652854.52	4189391.43	0.01555	652852.82	4189416.15	0.01518
652851.13	4189440.88	0.01561	652849.43	4189465.60	0.01569
652847.74	4189490.32	0.01592	652846.04	4189515.05	0.01557
652844.35	4189539.77	0.01540	652842.65	4189564.50	0.01596

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CRGOHNDL ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,
L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652840.95	4189589.22	0.01548	652839.26	4189613.94	0.01544
652837.56	4189638.67	0.01554	652835.87	4189663.39	0.01558
652834.17	4189688.12	0.01586	652832.48	4189712.84	0.01545
652830.78	4189737.57	0.01525	652829.08	4189762.29	0.01576
652827.39	4189787.01	0.01530	652825.69	4189811.74	0.01535
652824.00	4189836.46	0.01536	652822.30	4189861.19	0.01514
652820.61	4189885.91	0.01567	652818.91	4189910.63	0.01521
652817.21	4189935.36	0.01496	652815.52	4189960.08	0.01519
652813.82	4189984.81	0.01498	652812.13	4190009.53	0.01508
652810.43	4190034.26	0.01502	652808.73	4190058.98	0.01479
652807.04	4190083.70	0.01529	652805.34	4190108.43	0.01477
652803.65	4190133.15	0.01434	652801.95	4190157.88	0.01470
652800.26	4190182.60	0.01440	652798.56	4190207.32	0.01482
652796.86	4190232.05	0.01441	652795.17	4190256.77	0.01413
652793.47	4190281.50	0.01456	652791.78	4190306.22	0.01399
652790.08	4190330.95	0.01385	652788.39	4190355.67	0.01382
652786.69	4190380.39	0.01366	652784.99	4190405.12	0.01383
652783.30	4190429.84	0.01326	652781.60	4190454.57	0.01287
652779.91	4190479.29	0.01287	652778.21	4190504.01	0.01245
652776.52	4190528.74	0.01225	652774.82	4190553.46	0.01195
652773.12	4190578.19	0.01135	652771.43	4190602.91	0.01146
652769.73	4190627.63	0.01052	652768.04	4190652.36	0.00965
652766.34	4190677.08	0.00910	652764.65	4190701.81	0.00778
652762.95	4190726.53	0.00726	652761.25	4190751.26	0.00692
652759.56	4190775.98	0.00653	652757.86	4190800.70	0.00579
652756.17	4190825.43	0.00480	652754.47	4190850.15	0.00405
652752.77	4190874.88	0.00348	652751.08	4190899.60	0.00305
652749.38	4190924.32	0.00272	652747.69	4190949.05	0.00245
652745.99	4190973.77	0.00224	652744.30	4190998.50	0.00206
652742.60	4191023.22	0.00190	652740.90	4191047.95	0.00177
652739.21	4191072.67	0.00166	652737.51	4191097.39	0.00156
652735.82	4191122.12	0.00147	652734.12	4191146.84	0.00138
652732.43	4191171.57	0.00131	652755.51	4191197.10	0.00122
652780.28	4191197.91	0.00120	652805.06	4191198.72	0.00118
652829.84	4191199.53	0.00116	652854.61	4191200.34	0.00114
652879.39	4191201.16	0.00113	652904.17	4191201.97	0.00111
652928.94	4191202.78	0.00110	652953.72	4191203.59	0.00109
652978.50	4191204.40	0.00107	653003.27	4191205.21	0.00105
653029.78	4191181.33	0.00108	653031.51	4191156.64	0.00112
653033.24	4191131.95	0.00117	653034.97	4191107.25	0.00122

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CRGOHNDL ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,
L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00128	653038.43	4191057.87	0.00134
653040.16	4191033.18	0.00141	653041.89	4191008.49	0.00149

653043.62	4190983.80	0.00158	653045.35	4190959.11	0.00168
653047.08	4190934.42	0.00180	653048.81	4190909.72	0.00194
653050.54	4190885.03	0.00212	653052.27	4190860.34	0.00234
653054.00	4190835.65	0.00261	653055.73	4190810.96	0.00294
653057.46	4190786.27	0.00333	653059.19	4190761.58	0.00376
653060.92	4190736.88	0.00424	653062.65	4190712.19	0.00475
653064.39	4190687.50	0.00530	653066.12	4190662.81	0.00592
653067.85	4190638.12	0.00665	653069.58	4190613.43	0.00748
653071.31	4190588.74	0.00835	653073.04	4190564.04	0.00918
653074.77	4190539.35	0.00990	653076.50	4190514.66	0.01051
653078.23	4190489.97	0.01101	653079.96	4190465.28	0.01142
653081.69	4190440.59	0.01177	653083.42	4190415.90	0.01206
653085.15	4190391.21	0.01232	653086.88	4190366.51	0.01254
653088.61	4190341.82	0.01274	653090.34	4190317.13	0.01292
653092.07	4190292.44	0.01308	653093.80	4190267.75	0.01323
653095.53	4190243.06	0.01336	653097.26	4190218.37	0.01348
653098.99	4190193.67	0.01359	653100.72	4190168.98	0.01369
653102.45	4190144.29	0.01379	653104.18	4190119.60	0.01387
653105.91	4190094.91	0.01395	653107.64	4190070.22	0.01403
653109.37	4190045.53	0.01410	653111.10	4190020.83	0.01417
653112.83	4189996.14	0.01423	653114.56	4189971.45	0.01428
653116.29	4189946.76	0.01434	653118.02	4189922.07	0.01439
653119.75	4189897.38	0.01443	653121.48	4189872.69	0.01448
653123.21	4189848.00	0.01452	653124.94	4189823.30	0.01455
653126.67	4189798.61	0.01459	653128.40	4189773.92	0.01462
653130.13	4189749.23	0.01465	653131.86	4189724.54	0.01468
653133.60	4189699.85	0.01471	653135.33	4189675.16	0.01473
653137.06	4189650.46	0.01476	653138.79	4189625.77	0.01478
653140.52	4189601.08	0.01480	653142.25	4189576.39	0.01482
653143.98	4189551.70	0.01483	653145.71	4189527.01	0.01485
653147.44	4189502.32	0.01486	653149.17	4189477.62	0.01488
653150.90	4189452.93	0.01489	653152.63	4189428.24	0.01490
653154.36	4189403.55	0.01490	653156.09	4189378.86	0.01491
653157.82	4189354.17	0.01491	653159.55	4189329.48	0.01492
653161.28	4189304.79	0.01492	653163.01	4189280.09	0.01492
653164.74	4189255.40	0.01492	653166.47	4189230.71	0.01492
653191.80	4189205.78	0.01360	653215.40	4189205.54	0.01251
653239.00	4189205.29	0.01160	653264.20	4189181.01	0.01082

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CRGOHNDL ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,
L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.01081	653267.41	4189132.92	0.01081
653269.01	4189108.87	0.01081	653270.61	4189084.83	0.01080
653272.22	4189060.78	0.01079	653273.82	4189036.74	0.01078
653275.42	4189012.69	0.01077	653277.03	4188988.65	0.01075
653278.63	4188964.60	0.01074	653280.23	4188940.56	0.01072
653281.84	4188916.51	0.01070	653283.44	4188892.47	0.01067

653285.04	4188868.42	0.01064	653286.64	4188844.38	0.01061
653288.25	4188820.33	0.01058	653275.01	4188771.96	0.01102
653276.23	4188748.61	0.01098	653277.44	4188725.25	0.01094
653255.06	4188705.54	0.01174	653218.56	4188697.26	0.01340
653206.90	4188672.36	0.01405	653208.62	4188647.70	0.01394
653210.34	4188623.04	0.01378	653212.06	4188598.38	0.01354
653213.78	4188573.71	0.01318	653215.50	4188549.05	0.01267
653217.22	4188524.39	0.01201	653218.94	4188499.73	0.01126
653220.66	4188475.07	0.01049	653222.38	4188450.41	0.00973
653224.10	4188425.75	0.00900	653225.82	4188401.09	0.00833
653227.54	4188376.43	0.00771	653229.27	4188351.76	0.00714
653230.99	4188327.10	0.00661	653232.71	4188302.44	0.00613
653234.43	4188277.78	0.00569	653236.15	4188253.12	0.00529
653237.87	4188228.46	0.00492	653239.59	4188203.80	0.00460
653241.31	4188179.14	0.00430	653243.03	4188154.48	0.00403
653244.75	4188129.82	0.00379	653246.47	4188105.15	0.00356
653248.19	4188080.49	0.00336	653249.91	4188055.83	0.00318
653251.63	4188031.17	0.00301	653232.18	4188006.27	0.00285
653211.02	4188006.03	0.00284	653189.85	4188005.78	0.00283
653157.49	4188039.24	0.00302	653156.51	4188063.20	0.00320
653155.54	4188087.17	0.00340	653114.67	4188088.58	0.00338
653092.77	4188087.94	0.00335	653033.89	4188123.95	0.00365
653032.91	4188142.11	0.00387	653007.61	4188160.16	0.00406
652983.28	4188160.04	0.00400	652958.95	4188159.91	0.00394
653604.00	4191168.00	0.00080	653588.00	4190933.00	0.00123
653594.00	4189999.00	0.00435	653476.00	4189883.00	0.00562
653354.00	4189808.00	0.00740	653542.00	4189703.00	0.00534
653628.00	4189498.00	0.00492	653633.00	4189382.00	0.00500
653629.00	4189120.00	0.00523	653407.00	4188788.00	0.00787
653666.00	4188604.00	0.00463	653683.00	4188423.00	0.00391
653572.00	4188259.00	0.00369	653620.00	4187985.00	0.00243
653337.00	4187981.00	0.00271	652989.00	4188122.00	0.00355
651751.00	4188075.00	0.00120	651729.00	4188986.00	0.00199
651726.00	4189755.00	0.00244	652233.00	4190966.00	0.00243

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CRGOHNDL ***
INCLUDING SOURCE(S): L0003192 , L0003193 , L0003194 , L0003195 , L0003196 ,
L0003197 , L0003198 , L0003199 , L0003200 , L0003201 , L0003202 , L0003203 , L0003204 ,
L0003205 , L0003206 , L0003207 , L0003208 , L0003209 , L0003210 , L0003211 , L0003212 ,
L0003213 , L0003214 , L0003215 , L0003216 , L0003217 , L0003218 , L0003219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00171	652658.00	4191223.00	0.00127
653409.00	4191269.00	0.00076			

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: RTGHNDL ***
INCLUDING SOURCE(S): L0013192 , L0013193 , L0013194 , L0013195 , L0013196 ,
L0013197 , L0013198 , L0013199 , L0013200 , L0013201 , L0013202 , L0013203 , L0013204 ,
L0013205 , L0013206 , L0013207 , L0013208 , L0013209 , L0013210 , L0013211 , L0013212 ,
L0013213 , L0013214 , L0013215 , L0013216 , L0013217 , L0013218 , L0013219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	0.00232	652891.80	4188749.57	0.00377
652898.61	4188748.60	0.00380	652730.73	4191196.29	0.00079
653028.05	4191206.02	0.00060	653168.20	4189206.02	0.01037
653262.60	4189205.05	0.00977	653289.85	4188796.29	0.00992
653273.79	4188795.32	0.01009	653278.66	4188701.89	0.01008
653231.46	4188709.19	0.01044	653231.94	4188697.51	0.01044
653205.18	4188697.02	0.01043	653253.35	4188006.51	0.00313
653168.68	4188005.54	0.00283	653158.46	4188015.27	0.00284
653154.57	4188111.13	0.00346	653138.03	4188112.11	0.00338
653136.57	4188089.23	0.00319	653070.87	4188087.29	0.00281
653060.65	4188096.53	0.00281	653048.49	4188105.78	0.00279
653034.86	4188105.78	0.00270	653031.94	4188160.28	0.00304
652932.84	4188184.36	0.00238	652931.05	4188208.94	0.00245
652929.27	4188233.51	0.00251	652927.48	4188258.09	0.00257
652925.70	4188282.66	0.00261	652923.92	4188307.24	0.00263
652922.13	4188331.81	0.00265	652920.35	4188356.38	0.00266
652918.56	4188380.96	0.00267	652916.78	4188405.53	0.00269
652914.99	4188430.11	0.00273	652913.21	4188454.68	0.00278
652911.43	4188479.25	0.00285	652909.64	4188503.83	0.00292
652907.86	4188528.40	0.00300	652906.07	4188552.98	0.00309
652904.29	4188577.55	0.00318	652902.51	4188602.13	0.00328
652900.72	4188626.70	0.00337	652898.94	4188651.27	0.00347
652897.15	4188675.85	0.00355	652895.37	4188700.42	0.00363
652893.58	4188725.00	0.00370	652896.91	4188773.32	0.00386
652895.22	4188798.05	0.00391	652893.52	4188822.77	0.00396
652891.83	4188847.50	0.00400	652890.13	4188872.22	0.00403
652888.44	4188896.94	0.00406	652886.74	4188921.67	0.00409
652885.04	4188946.39	0.00411	652883.35	4188971.12	0.00413
652881.65	4188995.84	0.00414	652879.96	4189020.57	0.00415
652878.26	4189045.29	0.00416	652876.57	4189070.01	0.00417
652874.87	4189094.74	0.00418	652873.17	4189119.46	0.00418
652871.48	4189144.19	0.00419	652869.78	4189168.91	0.00419
652868.09	4189193.63	0.00419	652866.39	4189218.36	0.00419
652864.69	4189243.08	0.00418	652863.00	4189267.81	0.00418
652861.30	4189292.53	0.00418	652859.61	4189317.26	0.00417
652857.91	4189341.98	0.00416	652856.22	4189366.70	0.00416
652854.52	4189391.43	0.00415	652852.82	4189416.15	0.00414
652851.13	4189440.88	0.00413	652849.43	4189465.60	0.00412
652847.74	4189490.32	0.00411	652846.04	4189515.05	0.00410
652844.35	4189539.77	0.00409	652842.65	4189564.50	0.00408

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: RTGHNDL ***
INCLUDING SOURCE(S): L0013192 , L0013193 , L0013194 , L0013195 , L0013196 ,
L0013197 , L0013198 , L0013199 , L0013200 , L0013201 , L0013202 , L0013203 , L0013204 ,
L0013205 , L0013206 , L0013207 , L0013208 , L0013209 , L0013210 , L0013211 , L0013212 ,
L0013213 , L0013214 , L0013215 , L0013216 , L0013217 , L0013218 , L0013219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC

- -

652840.95	4189589.22	0.00407	652839.26	4189613.94	0.00405
652837.56	4189638.67	0.00404	652835.87	4189663.39	0.00402
652834.17	4189688.12	0.00401	652832.48	4189712.84	0.00399
652830.78	4189737.57	0.00397	652829.08	4189762.29	0.00395
652827.39	4189787.01	0.00394	652825.69	4189811.74	0.00392
652824.00	4189836.46	0.00390	652822.30	4189861.19	0.00387
652820.61	4189885.91	0.00385	652818.91	4189910.63	0.00383
652817.21	4189935.36	0.00381	652815.52	4189960.08	0.00378
652813.82	4189984.81	0.00375	652812.13	4190009.53	0.00373
652810.43	4190034.26	0.00370	652808.73	4190058.98	0.00367
652807.04	4190083.70	0.00364	652805.34	4190108.43	0.00361
652803.65	4190133.15	0.00357	652801.95	4190157.88	0.00354
652800.26	4190182.60	0.00350	652798.56	4190207.32	0.00346
652796.86	4190232.05	0.00342	652795.17	4190256.77	0.00338
652793.47	4190281.50	0.00334	652791.78	4190306.22	0.00329
652790.08	4190330.95	0.00324	652788.39	4190355.67	0.00320
652786.69	4190380.39	0.00314	652784.99	4190405.12	0.00309
652783.30	4190429.84	0.00303	652781.60	4190454.57	0.00297
652779.91	4190479.29	0.00291	652778.21	4190504.01	0.00284
652776.52	4190528.74	0.00277	652774.82	4190553.46	0.00269
652773.12	4190578.19	0.00261	652771.43	4190602.91	0.00253
652769.73	4190627.63	0.00244	652768.04	4190652.36	0.00236
652766.34	4190677.08	0.00228	652764.65	4190701.81	0.00223
652762.95	4190726.53	0.00219	652761.25	4190751.26	0.00216
652759.56	4190775.98	0.00211	652757.86	4190800.70	0.00207
652756.17	4190825.43	0.00199	652754.47	4190850.15	0.00188
652752.77	4190874.88	0.00175	652751.08	4190899.60	0.00161
652749.38	4190924.32	0.00148	652747.69	4190949.05	0.00136
652745.99	4190973.77	0.00126	652744.30	4190998.50	0.00118
652742.60	4191023.22	0.00110	652740.90	4191047.95	0.00104
652739.21	4191072.67	0.00099	652737.51	4191097.39	0.00094
652735.82	4191122.12	0.00089	652734.12	4191146.84	0.00086
652732.43	4191171.57	0.00082	652755.51	4191197.10	0.00076
652780.28	4191197.91	0.00073	652805.06	4191198.72	0.00070
652829.84	4191199.53	0.00068	652854.61	4191200.34	0.00067
652879.39	4191201.16	0.00065	652904.17	4191201.97	0.00064
652928.94	4191202.78	0.00063	652953.72	4191203.59	0.00062
652978.50	4191204.40	0.00062	653003.27	4191205.21	0.00061
653029.78	4191181.33	0.00061	653031.51	4191156.64	0.00063
653033.24	4191131.95	0.00064	653034.97	4191107.25	0.00066

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: RTGHNDL ***
INCLUDING SOURCE(S): L0013192 , L0013193 , L0013194 , L0013195 , L0013196 ,
L0013197 , L0013198 , L0013199 , L0013200 , L0013201 , L0013202 , L0013203 , L0013204 ,
L0013205 , L0013206 , L0013207 , L0013208 , L0013209 , L0013210 , L0013211 , L0013212 ,
L0013213 , L0013214 , L0013215 , L0013216 , L0013217 , L0013218 , L0013219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.00068	653038.43	4191057.87	0.00070
653040.16	4191033.18	0.00072	653041.89	4191008.49	0.00074
653043.62	4190983.80	0.00077	653045.35	4190959.11	0.00081

653047.08	4190934.42	0.00086	653048.81	4190909.72	0.00092
653050.54	4190885.03	0.00100	653052.27	4190860.34	0.00111
653054.00	4190835.65	0.00126	653055.73	4190810.96	0.00147
653057.46	4190786.27	0.00173	653059.19	4190761.58	0.00205
653060.92	4190736.88	0.00239	653062.65	4190712.19	0.00276
653064.39	4190687.50	0.00315	653066.12	4190662.81	0.00356
653067.85	4190638.12	0.00401	653069.58	4190613.43	0.00447
653071.31	4190588.74	0.00495	653073.04	4190564.04	0.00543
653074.77	4190539.35	0.00590	653076.50	4190514.66	0.00632
653078.23	4190489.97	0.00670	653079.96	4190465.28	0.00703
653081.69	4190440.59	0.00731	653083.42	4190415.90	0.00756
653085.15	4190391.21	0.00778	653086.88	4190366.51	0.00797
653088.61	4190341.82	0.00814	653090.34	4190317.13	0.00830
653092.07	4190292.44	0.00844	653093.80	4190267.75	0.00857
653095.53	4190243.06	0.00868	653097.26	4190218.37	0.00879
653098.99	4190193.67	0.00889	653100.72	4190168.98	0.00898
653102.45	4190144.29	0.00906	653104.18	4190119.60	0.00914
653105.91	4190094.91	0.00921	653107.64	4190070.22	0.00928
653109.37	4190045.53	0.00934	653111.10	4190020.83	0.00940
653112.83	4189996.14	0.00946	653114.56	4189971.45	0.00951
653116.29	4189946.76	0.00956	653118.02	4189922.07	0.00961
653119.75	4189897.38	0.00966	653121.48	4189872.69	0.00970
653123.21	4189848.00	0.00974	653124.94	4189823.30	0.00978
653126.67	4189798.61	0.00982	653128.40	4189773.92	0.00985
653130.13	4189749.23	0.00989	653131.86	4189724.54	0.00992
653133.60	4189699.85	0.00995	653135.33	4189675.16	0.00998
653137.06	4189650.46	0.01001	653138.79	4189625.77	0.01004
653140.52	4189601.08	0.01007	653142.25	4189576.39	0.01009
653143.98	4189551.70	0.01012	653145.71	4189527.01	0.01014
653147.44	4189502.32	0.01016	653149.17	4189477.62	0.01019
653150.90	4189452.93	0.01021	653152.63	4189428.24	0.01023
653154.36	4189403.55	0.01025	653156.09	4189378.86	0.01026
653157.82	4189354.17	0.01028	653159.55	4189329.48	0.01030
653161.28	4189304.79	0.01032	653163.01	4189280.09	0.01033
653164.74	4189255.40	0.01035	653166.47	4189230.71	0.01036
653191.80	4189205.78	0.01039	653215.40	4189205.54	0.01025
653239.00	4189205.29	0.01003	653264.20	4189181.01	0.00979

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: RTGHNDL ***
INCLUDING SOURCE(S): L0013192 , L0013193 , L0013194 , L0013195 , L0013196 ,
L0013197 , L0013198 , L0013199 , L0013200 , L0013201 , L0013202 , L0013203 , L0013204 ,
L0013205 , L0013206 , L0013207 , L0013208 , L0013209 , L0013210 , L0013211 , L0013212 ,
L0013213 , L0013214 , L0013215 , L0013216 , L0013217 , L0013218 , L0013219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	0.00980	653267.41	4189132.92	0.00982
653269.01	4189108.87	0.00983	653270.61	4189084.83	0.00985
653272.22	4189060.78	0.00986	653273.82	4189036.74	0.00987
653275.42	4189012.69	0.00988	653277.03	4188988.65	0.00989
653278.63	4188964.60	0.00990	653280.23	4188940.56	0.00990
653281.84	4188916.51	0.00991	653283.44	4188892.47	0.00991

653285.04	4188868.42	0.00992	653286.64	4188844.38	0.00992
653288.25	4188820.33	0.00992	653275.01	4188771.96	0.01009
653276.23	4188748.61	0.01009	653277.44	4188725.25	0.01009
653255.06	4188705.54	0.01030	653218.56	4188697.26	0.01046
653206.90	4188672.36	0.01041	653208.62	4188647.70	0.01040
653210.34	4188623.04	0.01038	653212.06	4188598.38	0.01035
653213.78	4188573.71	0.01030	653215.50	4188549.05	0.01019
653217.22	4188524.39	0.00999	653218.94	4188499.73	0.00971
653220.66	4188475.07	0.00935	653222.38	4188450.41	0.00893
653224.10	4188425.75	0.00847	653225.82	4188401.09	0.00801
653227.54	4188376.43	0.00754	653229.27	4188351.76	0.00708
653230.99	4188327.10	0.00663	653232.71	4188302.44	0.00622
653234.43	4188277.78	0.00582	653236.15	4188253.12	0.00546
653237.87	4188228.46	0.00511	653239.59	4188203.80	0.00480
653241.31	4188179.14	0.00451	653243.03	4188154.48	0.00425
653244.75	4188129.82	0.00402	653246.47	4188105.15	0.00380
653248.19	4188080.49	0.00361	653249.91	4188055.83	0.00343
653251.63	4188031.17	0.00328	653232.18	4188006.27	0.00306
653211.02	4188006.03	0.00299	653189.85	4188005.78	0.00291
653157.49	4188039.24	0.00297	653156.51	4188063.20	0.00311
653155.54	4188087.17	0.00328	653114.67	4188088.58	0.00307
653092.77	4188087.94	0.00294	653033.89	4188123.95	0.00280
653032.91	4188142.11	0.00292	653007.61	4188160.16	0.00284
652983.28	4188160.04	0.00264	652958.95	4188159.91	0.00246
653604.00	4191168.00	0.00058	653588.00	4190933.00	0.00091
653594.00	4189999.00	0.00482	653476.00	4189883.00	0.00604
653354.00	4189808.00	0.00747	653542.00	4189703.00	0.00595
653628.00	4189498.00	0.00575	653633.00	4189382.00	0.00590
653629.00	4189120.00	0.00626	653407.00	4188788.00	0.00855
653666.00	4188604.00	0.00607	653683.00	4188423.00	0.00534
653572.00	4188259.00	0.00491	653620.00	4187985.00	0.00338
653337.00	4187981.00	0.00320	652989.00	4188122.00	0.00249
651751.00	4188075.00	0.00102	651729.00	4188986.00	0.00119
651726.00	4189755.00	0.00156	652233.00	4190966.00	0.00182

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: RTGHNDL ***
INCLUDING SOURCE(S): L0013192 , L0013193 , L0013194 , L0013195 , L0013196 ,
L0013197 , L0013198 , L0013199 , L0013200 , L0013201 , L0013202 , L0013203 , L0013204 ,
L0013205 , L0013206 , L0013207 , L0013208 , L0013209 , L0013210 , L0013211 , L0013212 ,
L0013213 , L0013214 , L0013215 , L0013216 , L0013217 , L0013218 , L0013219 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00154	652658.00	4191223.00	0.00087
653409.00	4191269.00	0.00053			

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUS ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 , L0002593 , L0002594 , L0002595 , L0002596 ,
L0002597 , L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 ,
L0002605 , L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.02573	652891.80	4188749.57	-0.10030
652898.61	4188748.60	-0.10316	652730.73	4191196.29	-0.04844
653028.05	4191206.02	-0.02852	653168.20	4189206.02	-0.17363
653262.60	4189205.05	-0.11348	653289.85	4188796.29	-0.13547
653273.79	4188795.32	-0.14688	653278.66	4188701.89	-0.12426
653231.46	4188709.19	-0.15161	653231.94	4188697.51	-0.14942
653205.18	4188697.02	-0.16969	653253.35	4188006.51	-0.01949
653168.68	4188005.54	-0.01875	653158.46	4188015.27	-0.01904
653154.57	4188111.13	-0.02324	653138.03	4188112.11	-0.02321
653136.57	4188089.23	-0.02205	653070.87	4188087.29	-0.02184
653060.65	4188096.53	-0.02228	653048.49	4188105.78	-0.02273
653034.86	4188105.78	-0.02274	653031.94	4188160.28	-0.02574
652932.84	4188184.36	-0.02713	652931.05	4188208.94	-0.02865
652929.27	4188233.51	-0.03032	652927.48	4188258.09	-0.03217
652925.70	4188282.66	-0.03421	652923.92	4188307.24	-0.03648
652922.13	4188331.81	-0.03899	652920.35	4188356.38	-0.04178
652918.56	4188380.96	-0.04490	652916.78	4188405.53	-0.04843
652914.99	4188430.11	-0.05242	652913.21	4188454.68	-0.05695
652911.43	4188479.25	-0.06164	652909.64	4188503.83	-0.06614
652907.86	4188528.40	-0.07037	652906.07	4188552.98	-0.07441
652904.29	4188577.55	-0.07831	652902.51	4188602.13	-0.08203
652900.72	4188626.70	-0.08561	652898.94	4188651.27	-0.08904
652897.15	4188675.85	-0.09225	652895.37	4188700.42	-0.09521
652893.58	4188725.00	-0.09789	652896.91	4188773.32	-0.10542
652895.22	4188798.05	-0.10737	652893.52	4188822.77	-0.10911
652891.83	4188847.50	-0.11062	652890.13	4188872.22	-0.11192
652888.44	4188896.94	-0.11308	652886.74	4188921.67	-0.11402
652885.04	4188946.39	-0.11484	652883.35	4188971.12	-0.11553
652881.65	4188995.84	-0.11609	652879.96	4189020.57	-0.11660
652878.26	4189045.29	-0.11699	652876.57	4189070.01	-0.11730
652874.87	4189094.74	-0.11754	652873.17	4189119.46	-0.11764
652871.48	4189144.19	-0.11769	652869.78	4189168.91	-0.11767
652868.09	4189193.63	-0.11757	652866.39	4189218.36	-0.11747
652864.69	4189243.08	-0.11731	652863.00	4189267.81	-0.11715
652861.30	4189292.53	-0.11699	652859.61	4189317.26	-0.11677
652857.91	4189341.98	-0.11657	652856.22	4189366.70	-0.11636
652854.52	4189391.43	-0.11612	652852.82	4189416.15	-0.11593
652851.13	4189440.88	-0.11571	652849.43	4189465.60	-0.11549
652847.74	4189490.32	-0.11531	652846.04	4189515.05	-0.11507
652844.35	4189539.77	-0.11488	652842.65	4189564.50	-0.11466

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUS ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 , L0002593 , L0002594 , L0002595 , L0002596 ,
L0002597 , L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 ,
L0002605 , L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC

652840.95	4189589.22	-0.11441	652839.26	4189613.94	-0.11420
652837.56	4189638.67	-0.11394	652835.87	4189663.39	-0.11368
652834.17	4189688.12	-0.11342	652832.48	4189712.84	-0.11311
652830.78	4189737.57	-0.11282	652829.08	4189762.29	-0.11249
652827.39	4189787.01	-0.11213	652825.69	4189811.74	-0.11179
652824.00	4189836.46	-0.11138	652822.30	4189861.19	-0.11097
652820.61	4189885.91	-0.11055	652818.91	4189910.63	-0.11005
652817.21	4189935.36	-0.10957	652815.52	4189960.08	-0.10902
652813.82	4189984.81	-0.10841	652812.13	4190009.53	-0.10780
652810.43	4190034.26	-0.10708	652808.73	4190058.98	-0.10633
652807.04	4190083.70	-0.10554	652805.34	4190108.43	-0.10466
652803.65	4190133.15	-0.10379	652801.95	4190157.88	-0.10283
652800.26	4190182.60	-0.10179	652798.56	4190207.32	-0.10069
652796.86	4190232.05	-0.09946	652795.17	4190256.77	-0.09820
652793.47	4190281.50	-0.09687	652791.78	4190306.22	-0.09546
652790.08	4190330.95	-0.09404	652788.39	4190355.67	-0.09255
652786.69	4190380.39	-0.09101	652784.99	4190405.12	-0.08944
652783.30	4190429.84	-0.08774	652781.60	4190454.57	-0.08595
652779.91	4190479.29	-0.08402	652778.21	4190504.01	-0.08193
652776.52	4190528.74	-0.07976	652774.82	4190553.46	-0.07739
652773.12	4190578.19	-0.07481	652771.43	4190602.91	-0.07211
652769.73	4190627.63	-0.06927	652768.04	4190652.36	-0.06634
652766.34	4190677.08	-0.06313	652764.65	4190701.81	-0.06026
652762.95	4190726.53	-0.05839	652761.25	4190751.26	-0.05769
652759.56	4190775.98	-0.05810	652757.86	4190800.70	-0.05936
652756.17	4190825.43	-0.06126	652754.47	4190850.15	-0.06362
652752.77	4190874.88	-0.06626	652751.08	4190899.60	-0.06880
652749.38	4190924.32	-0.07084	652747.69	4190949.05	-0.07214
652745.99	4190973.77	-0.07260	652744.30	4190998.50	-0.07230
652742.60	4191023.22	-0.07132	652740.90	4191047.95	-0.06975
652739.21	4191072.67	-0.06763	652737.51	4191097.39	-0.06492
652735.82	4191122.12	-0.06162	652734.12	4191146.84	-0.05782
652732.43	4191171.57	-0.05350	652755.51	4191197.10	-0.05191
652780.28	4191197.91	-0.05515	652805.06	4191198.72	-0.05614
652829.84	4191199.53	-0.05246	652854.61	4191200.34	-0.04843
652879.39	4191201.16	-0.04345	652904.17	4191201.97	-0.03776
652928.94	4191202.78	-0.03571	652953.72	4191203.59	-0.03406
652978.50	4191204.40	-0.03214	653003.27	4191205.21	-0.03028
653029.78	4191181.33	-0.03504	653031.51	4191156.64	-0.04253
653033.24	4191131.95	-0.05013	653034.97	4191107.25	-0.05719

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUS ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 , L0002593 , L0002594 , L0002595 , L0002596 ,
L0002597 , L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 ,
L0002605 , L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	-0.06341	653038.43	4191057.87	-0.06876
653040.16	4191033.18	-0.07324	653041.89	4191008.49	-0.07692
653043.62	4190983.80	-0.07987	653045.35	4190959.11	-0.08212

653047.08	4190934.42	-0.08368	653048.81	4190909.72	-0.08451
653050.54	4190885.03	-0.08458	653052.27	4190860.34	-0.08385
653054.00	4190835.65	-0.08234	653055.73	4190810.96	-0.08005
653057.46	4190786.27	-0.07699	653059.19	4190761.58	-0.07319
653060.92	4190736.88	-0.06887	653062.65	4190712.19	-0.06457
653064.39	4190687.50	-0.06098	653066.12	4190662.81	-0.05858
653067.85	4190638.12	-0.05751	653069.58	4190613.43	-0.05766
653071.31	4190588.74	-0.05888	653073.04	4190564.04	-0.06100
653074.77	4190539.35	-0.06378	653076.50	4190514.66	-0.06695
653078.23	4190489.97	-0.07034	653079.96	4190465.28	-0.07430
653081.69	4190440.59	-0.07992	653083.42	4190415.90	-0.08758
653085.15	4190391.21	-0.09508	653086.88	4190366.51	-0.10099
653088.61	4190341.82	-0.10541	653090.34	4190317.13	-0.10885
653092.07	4190292.44	-0.11168	653093.80	4190267.75	-0.11416
653095.53	4190243.06	-0.11656	653097.26	4190218.37	-0.11928
653098.99	4190193.67	-0.12362	653100.72	4190168.98	-0.13118
653102.45	4190144.29	-0.14062	653104.18	4190119.60	-0.14706
653105.91	4190094.91	-0.15146	653107.64	4190070.22	-0.15464
653109.37	4190045.53	-0.15675	653111.10	4190020.83	-0.15871
653112.83	4189996.14	-0.16014	653114.56	4189971.45	-0.16123
653116.29	4189946.76	-0.16253	653118.02	4189922.07	-0.16317
653119.75	4189897.38	-0.16412	653121.48	4189872.69	-0.16490
653123.21	4189848.00	-0.16528	653124.94	4189823.30	-0.16601
653126.67	4189798.61	-0.16652	653128.40	4189773.92	-0.16685
653130.13	4189749.23	-0.16754	653131.86	4189724.54	-0.16765
653133.60	4189699.85	-0.16813	653135.33	4189675.16	-0.16854
653137.06	4189650.46	-0.16862	653138.79	4189625.77	-0.16917
653140.52	4189601.08	-0.16934	653142.25	4189576.39	-0.16952
653143.98	4189551.70	-0.16997	653145.71	4189527.01	-0.16987
653147.44	4189502.32	-0.17031	653149.17	4189477.62	-0.17053
653150.90	4189452.93	-0.17058	653152.63	4189428.24	-0.17103
653154.36	4189403.55	-0.17107	653156.09	4189378.86	-0.17118
653157.82	4189354.17	-0.17165	653159.55	4189329.48	-0.17160
653161.28	4189304.79	-0.17196	653163.01	4189280.09	-0.17241
653164.74	4189255.40	-0.17249	653166.47	4189230.71	-0.17321
653191.80	4189205.78	-0.15370	653215.40	4189205.54	-0.13712
653239.00	4189205.29	-0.12408	653264.20	4189181.01	-0.11400

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUS ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 , L0002593 , L0002594 , L0002595 , L0002596 ,
L0002597 , L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 ,
L0002605 , L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.11478	653267.41	4189132.92	-0.11626
653269.01	4189108.87	-0.11906	653270.61	4189084.83	-0.12328
653272.22	4189060.78	-0.12782	653273.82	4189036.74	-0.13167
653275.42	4189012.69	-0.13457	653277.03	4188988.65	-0.13662
653278.63	4188964.60	-0.13804	653280.23	4188940.56	-0.13898
653281.84	4188916.51	-0.13953	653283.44	4188892.47	-0.13975
653285.04	4188868.42	-0.13966	653286.64	4188844.38	-0.13916

653288.25	4188820.33	-0.13797	653275.01	4188771.96	-0.14177
653276.23	4188748.61	-0.13512	653277.44	4188725.25	-0.12908
653255.06	4188705.54	-0.13674	653218.56	4188697.26	-0.15925
653206.90	4188672.36	-0.16585	653208.62	4188647.70	-0.16186
653210.34	4188623.04	-0.15734	653212.06	4188598.38	-0.15250
653213.78	4188573.71	-0.14649	653215.50	4188549.05	-0.13889
653217.22	4188524.39	-0.12713	653218.94	4188499.73	-0.10915
653220.66	4188475.07	-0.09125	653222.38	4188450.41	-0.07770
653224.10	4188425.75	-0.06766	653225.82	4188401.09	-0.05993
653227.54	4188376.43	-0.05374	653229.27	4188351.76	-0.04864
653230.99	4188327.10	-0.04436	653232.71	4188302.44	-0.04071
653234.43	4188277.78	-0.03755	653236.15	4188253.12	-0.03480
653237.87	4188228.46	-0.03239	653239.59	4188203.80	-0.03027
653241.31	4188179.14	-0.02838	653243.03	4188154.48	-0.02669
653244.75	4188129.82	-0.02518	653246.47	4188105.15	-0.02381
653248.19	4188080.49	-0.02258	653249.91	4188055.83	-0.02146
653251.63	4188031.17	-0.02043	653232.18	4188006.27	-0.01928
653211.02	4188006.03	-0.01909	653189.85	4188005.78	-0.01890
653157.49	4188039.24	-0.01995	653156.51	4188063.20	-0.02095
653155.54	4188087.17	-0.02204	653114.67	4188088.58	-0.02195
653092.77	4188087.94	-0.02189	653033.89	4188123.95	-0.02366
653032.91	4188142.11	-0.02466	653007.61	4188160.16	-0.02572
652983.28	4188160.04	-0.02574	652958.95	4188159.91	-0.02576
653604.00	4191168.00	-0.01263	653588.00	4190933.00	-0.01779
653594.00	4189999.00	-0.03818	653476.00	4189883.00	-0.05109
653354.00	4189808.00	-0.07031	653542.00	4189703.00	-0.04886
653628.00	4189498.00	-0.04502	653633.00	4189382.00	-0.04608
653629.00	4189120.00	-0.05014	653407.00	4188788.00	-0.08703
653666.00	4188604.00	-0.04299	653683.00	4188423.00	-0.03402
653572.00	4188259.00	-0.03002	653620.00	4187985.00	-0.01903
653337.00	4187981.00	-0.01929	652989.00	4188122.00	-0.02366
651751.00	4188075.00	-0.00902	651729.00	4188986.00	-0.01481
651726.00	4189755.00	-0.01833	652233.00	4190966.00	-0.02210

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUS ***
INCLUDING SOURCE(S): L0002550 , L0002551 , L0002552 , L0002553 , L0002554 ,
L0002555 , L0002556 , L0002557 , L0002558 , L0002593 , L0002594 , L0002595 , L0002596 ,
L0002597 , L0002598 , L0002599 , L0002600 , L0002601 , L0002602 , L0002603 , L0002604 ,
L0002605 , L0002606 , L0002607 , L0002608 , L0002609 , L0002610 , L0002611 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	-0.01781	652658.00	4191223.00	-0.03672
653409.00	4191269.00	-0.01255			

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
*** Lathrop Railyard Expansion *** 16:41:19
PAGE 505
**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 , L0002301 , L0002302 , L0002303 , L0002304 , L0002305 , L0002306 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652934.62	4188159.79	-0.00339	652891.80	4188749.57	-0.06417
652898.61	4188748.60	-0.06675	652730.73	4191196.29	0.01207
653028.05	4191206.02	0.02796	653168.20	4189206.02	-0.12699
653262.60	4189205.05	-0.06955	653289.85	4188796.29	-0.09284
653273.79	4188795.32	-0.10242	653278.66	4188701.89	-0.07997
653231.46	4188709.19	-0.10837	653231.94	4188697.51	-0.10684
653205.18	4188697.02	-0.12560	653253.35	4188006.51	0.00381
653168.68	4188005.54	0.00273	653158.46	4188015.27	0.00288
653154.57	4188111.13	0.00650	653138.03	4188112.11	0.00664
653136.57	4188089.23	0.00535	653070.87	4188087.29	0.00397
653060.65	4188096.53	0.00422	653048.49	4188105.78	0.00444
653034.86	4188105.78	0.00381	653031.94	4188160.28	0.01023
652932.84	4188184.36	-0.00658	652931.05	4188208.94	-0.00678
652929.27	4188233.51	-0.00947	652927.48	4188258.09	-0.00825
652925.70	4188282.66	-0.00785	652923.92	4188307.24	-0.00579
652922.13	4188331.81	-0.00796	652920.35	4188356.38	-0.01034
652918.56	4188380.96	-0.01348	652916.78	4188405.53	-0.01632
652914.99	4188430.11	-0.02003	652913.21	4188454.68	-0.02325
652911.43	4188479.25	-0.02861	652909.64	4188503.83	-0.03173
652907.86	4188528.40	-0.03608	652906.07	4188552.98	-0.03953
652904.29	4188577.55	-0.04360	652902.51	4188602.13	-0.04619
652900.72	4188626.70	-0.05045	652898.94	4188651.27	-0.05297
652897.15	4188675.85	-0.05730	652895.37	4188700.42	-0.05940
652893.58	4188725.00	-0.06239	652896.91	4188773.32	-0.06962
652895.22	4188798.05	-0.07095	652893.52	4188822.77	-0.07366
652891.83	4188847.50	-0.07358	652890.13	4188872.22	-0.07615
652888.44	4188896.94	-0.07634	652886.74	4188921.67	-0.07797
652885.04	4188946.39	-0.07767	652883.35	4188971.12	-0.07889
652881.65	4188995.84	-0.07886	652879.96	4189020.57	-0.08033
652878.26	4189045.29	-0.07916	652876.57	4189070.01	-0.08073
652874.87	4189094.74	-0.07991	652873.17	4189119.46	-0.08077
652871.48	4189144.19	-0.08001	652869.78	4189168.91	-0.08020
652868.09	4189193.63	-0.07955	652866.39	4189218.36	-0.08043
652864.69	4189243.08	-0.07904	652863.00	4189267.81	-0.07978
652861.30	4189292.53	-0.07850	652859.61	4189317.26	-0.07906
652857.91	4189341.98	-0.07805	652856.22	4189366.70	-0.07800
652854.52	4189391.43	-0.07725	652852.82	4189416.15	-0.07735
652851.13	4189440.88	-0.07651	652849.43	4189465.60	-0.07607
652847.74	4189490.32	-0.07551	652846.04	4189515.05	-0.07541
652844.35	4189539.77	-0.07529	652842.65	4189564.50	-0.07422

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 , L0002301 , L0002302 , L0002303 , L0002304 , L0002305 , L0002306 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC

652840.95	4189589.22	-0.07440	652839.26	4189613.94	-0.07387
652837.56	4189638.67	-0.07348	652835.87	4189663.39	-0.07274
652834.17	4189688.12	-0.07221	652832.48	4189712.84	-0.07183
652830.78	4189737.57	-0.07175	652829.08	4189762.29	-0.07037
652827.39	4189787.01	-0.07057	652825.69	4189811.74	-0.06954
652824.00	4189836.46	-0.06922	652822.30	4189861.19	-0.06834
652820.61	4189885.91	-0.06747	652818.91	4189910.63	-0.06666
652817.21	4189935.36	-0.06652	652815.52	4189960.08	-0.06490
652813.82	4189984.81	-0.06458	652812.13	4190009.53	-0.06295
652810.43	4190034.26	-0.06225	652808.73	4190058.98	-0.06080
652807.04	4190083.70	-0.05942	652805.34	4190108.43	-0.05809
652803.65	4190133.15	-0.05752	652801.95	4190157.88	-0.05511
652800.26	4190182.60	-0.05420	652798.56	4190207.32	-0.05149
652796.86	4190232.05	-0.05042	652795.17	4190256.77	-0.04817
652793.47	4190281.50	-0.04616	652791.78	4190306.22	-0.04406
652790.08	4190330.95	-0.04254	652788.39	4190355.67	-0.03979
652786.69	4190380.39	-0.03816	652784.99	4190405.12	-0.03514
652783.30	4190429.84	-0.03372	652781.60	4190454.57	-0.03110
652779.91	4190479.29	-0.02898	652778.21	4190504.01	-0.02601
652776.52	4190528.74	-0.02385	652774.82	4190553.46	-0.02047
652773.12	4190578.19	-0.01829	652771.43	4190602.91	-0.01417
652769.73	4190627.63	-0.01204	652768.04	4190652.36	-0.00861
652766.34	4190677.08	-0.00564	652764.65	4190701.81	-0.00262
652762.95	4190726.53	-0.00057	652761.25	4190751.26	0.00167
652759.56	4190775.98	0.00171	652757.86	4190800.70	0.00169
652756.17	4190825.43	-0.00054	652754.47	4190850.15	-0.00196
652752.77	4190874.88	-0.00480	652751.08	4190899.60	-0.00632
652749.38	4190924.32	-0.00872	652747.69	4190949.05	-0.00951
652745.99	4190973.77	-0.01060	652744.30	4190998.50	-0.01000
652742.60	4191023.22	-0.00959	652740.90	4191047.95	-0.00743
652739.21	4191072.67	-0.00545	652737.51	4191097.39	-0.00143
652735.82	4191122.12	0.00291	652734.12	4191146.84	0.00951
652732.43	4191171.57	0.00931	652755.51	4191197.10	0.00646
652780.28	4191197.91	0.00419	652805.06	4191198.72	-0.00033
652829.84	4191199.53	0.00667	652854.61	4191200.34	0.00895
652879.39	4191201.16	0.01810	652904.17	4191201.97	0.01998
652928.94	4191202.78	0.02157	652953.72	4191203.59	0.01512
652978.50	4191204.40	0.01611	653003.27	4191205.21	0.01796
653029.78	4191181.33	0.02939	653031.51	4191156.64	0.03087
653033.24	4191131.95	0.02917	653034.97	4191107.25	0.02260

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 , L0002301 , L0002302 , L0002303 , L0002304 , L0002305 , L0002306 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653036.70	4191082.56	0.01508	653038.43	4191057.87	0.01551
653040.16	4191033.18	0.00942	653041.89	4191008.49	0.01265
653043.62	4190983.80	0.01220	653045.35	4190959.11	0.01786
653047.08	4190934.42	0.01837	653048.81	4190909.72	0.01924

653050.54	4190885.03	0.02102	653052.27	4190860.34	0.02327
653054.00	4190835.65	0.02691	653055.73	4190810.96	0.03165
653057.46	4190786.27	0.03671	653059.19	4190761.58	0.04397
653060.92	4190736.88	0.05329	653062.65	4190712.19	0.05784
653064.39	4190687.50	0.06174	653066.12	4190662.81	0.06444
653067.85	4190638.12	0.06008	653069.58	4190613.43	0.06074
653071.31	4190588.74	0.05146	653073.04	4190564.04	0.04956
653074.77	4190539.35	0.03887	653076.50	4190514.66	0.03631
653078.23	4190489.97	0.02588	653079.96	4190465.28	0.02321
653081.69	4190440.59	0.01044	653083.42	4190415.90	0.00480
653085.15	4190391.21	-0.01115	653086.88	4190366.51	-0.01760
653088.61	4190341.82	-0.02344	653090.34	4190317.13	-0.02691
653092.07	4190292.44	-0.03149	653093.80	4190267.75	-0.03774
653095.53	4190243.06	-0.04113	653097.26	4190218.37	-0.04732
653098.99	4190193.67	-0.05187	653100.72	4190168.98	-0.06177
653102.45	4190144.29	-0.07044	653104.18	4190119.60	-0.07852
653105.91	4190094.91	-0.08840	653107.64	4190070.22	-0.09382
653109.37	4190045.53	-0.09895	653111.10	4190020.83	-0.10168
653112.83	4189996.14	-0.10524	653114.56	4189971.45	-0.10649
653116.29	4189946.76	-0.10954	653118.02	4189922.07	-0.11003
653119.75	4189897.38	-0.11253	653121.48	4189872.69	-0.11296
653123.21	4189848.00	-0.11475	653124.94	4189823.30	-0.11501
653126.67	4189798.61	-0.11685	653128.40	4189773.92	-0.11660
653130.13	4189749.23	-0.11857	653131.86	4189724.54	-0.11803
653133.60	4189699.85	-0.11974	653135.33	4189675.16	-0.11944
653137.06	4189650.46	-0.12075	653138.79	4189625.77	-0.12053
653140.52	4189601.08	-0.12192	653142.25	4189576.39	-0.12128
653143.98	4189551.70	-0.12295	653145.71	4189527.01	-0.12197
653147.44	4189502.32	-0.12293	653149.17	4189477.62	-0.12295
653150.90	4189452.93	-0.12328	653152.63	4189428.24	-0.12373
653154.36	4189403.55	-0.12392	653156.09	4189378.86	-0.12415
653157.82	4189354.17	-0.12461	653159.55	4189329.48	-0.12480
653161.28	4189304.79	-0.12504	653163.01	4189280.09	-0.12584
653164.74	4189255.40	-0.12570	653166.47	4189230.71	-0.12686
653191.80	4189205.78	-0.10693	653215.40	4189205.54	-0.08795
653239.00	4189205.29	-0.07741	653264.20	4189181.01	-0.07015

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 , L0002301 , L0002302 , L0002303 , L0002304 , L0002305 , L0002306 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653265.81	4189156.96	-0.07102	653267.41	4189132.92	-0.07256
653269.01	4189108.87	-0.07544	653270.61	4189084.83	-0.07974
653272.22	4189060.78	-0.08435	653273.82	4189036.74	-0.08827
653275.42	4189012.69	-0.09124	653277.03	4188988.65	-0.09337
653278.63	4188964.60	-0.09487	653280.23	4188940.56	-0.09588
653281.84	4188916.51	-0.09650	653283.44	4188892.47	-0.09680
653285.04	4188868.42	-0.09679	653286.64	4188844.38	-0.09637

653288.25	4188820.33	-0.09526	653275.01	4188771.96	-0.09735
653276.23	4188748.61	-0.09075	653277.44	4188725.25	-0.08476
653255.06	4188705.54	-0.08978	653218.56	4188697.26	-0.11595
653206.90	4188672.36	-0.12146	653208.62	4188647.70	-0.11811
653210.34	4188623.04	-0.11324	653212.06	4188598.38	-0.10909
653213.78	4188573.71	-0.10259	653215.50	4188549.05	-0.09525
653217.22	4188524.39	-0.08098	653218.94	4188499.73	-0.06193
653220.66	4188475.07	-0.04095	653222.38	4188450.41	-0.02682
653224.10	4188425.75	-0.01676	653225.82	4188401.09	-0.00940
653227.54	4188376.43	-0.00406	653229.27	4188351.76	-0.00023
653230.99	4188327.10	0.00246	653232.71	4188302.44	0.00426
653234.43	4188277.78	0.00538	653236.15	4188253.12	0.00598
653237.87	4188228.46	0.00621	653239.59	4188203.80	0.00628
653241.31	4188179.14	0.00695	653243.03	4188154.48	0.01137
653244.75	4188129.82	0.01530	653246.47	4188105.15	0.01338
653248.19	4188080.49	0.00970	653249.91	4188055.83	0.00688
653251.63	4188031.17	0.00504	653232.18	4188006.27	0.00367
653211.02	4188006.03	0.00336	653189.85	4188005.78	0.00301
653157.49	4188039.24	0.00360	653156.51	4188063.20	0.00445
653155.54	4188087.17	0.00542	653114.67	4188088.58	0.00506
653092.77	4188087.94	0.00461	653033.89	4188123.95	0.00543
653032.91	4188142.11	0.00757	653007.61	4188160.16	0.00875
652983.28	4188160.04	0.00592	652958.95	4188159.91	0.00155
653604.00	4191168.00	0.01410	653588.00	4190933.00	0.01272
653594.00	4189999.00	-0.00747	653476.00	4189883.00	-0.01743
653354.00	4189808.00	-0.03180	653542.00	4189703.00	-0.01939
653628.00	4189498.00	-0.01905	653633.00	4189382.00	-0.02056
653629.00	4189120.00	-0.02491	653407.00	4188788.00	-0.05343
653666.00	4188604.00	-0.01878	653683.00	4188423.00	-0.01069
653572.00	4188259.00	-0.00528	653620.00	4187985.00	-0.00094
653337.00	4187981.00	0.00235	652989.00	4188122.00	0.00212
651751.00	4188075.00	-0.00257	651729.00	4188986.00	-0.00573
651726.00	4189755.00	-0.00691	652233.00	4190966.00	0.00138

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE PERIOD (43776 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002341 , L0002342 , L0002343 , L0002344 , L0002345 ,
L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 , L0002353 ,
L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 , L0002361 ,
L0002362 , L0002301 , L0002302 , L0002303 , L0002304 , L0002305 , L0002306 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
652155.00	4191175.00	0.00372	652658.00	4191223.00	0.01250
653409.00	4191269.00	0.02048			

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**MODELOPTs: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE SUMMARY OF MAXIMUM PERIOD (43776 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
SLINE1	1ST HIGHEST VALUE IS	0.02697 AT (	653057.46, 4190786.27, 6.00, 6.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02686 AT (	653060.92, 4190736.88, 6.00, 6.00, 0.00)	DC	

	3RD HIGHEST VALUE IS	0.02679 AT (	653062.65,	4190712.19,	6.00,	6.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.02642 AT (	653054.00,	4190835.65,	6.00,	6.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.02530 AT (	653059.19,	4190761.58,	6.00,	6.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.02518 AT (	653050.54,	4190885.03,	6.00,	6.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.02501 AT (	653055.73,	4190810.96,	6.00,	6.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.02441 AT (	653064.39,	4190687.50,	6.00,	6.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.02411 AT (	653052.27,	4190860.34,	6.00,	6.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.02302 AT (	653047.08,	4190934.42,	6.00,	6.00,	0.00)	DC
SLINE2	1ST HIGHEST VALUE IS	0.00732 AT (	652751.08,	4190899.60,	6.00,	6.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00725 AT (	652754.47,	4190850.15,	6.00,	6.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00725 AT (	652752.77,	4190874.88,	6.00,	6.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00706 AT (	652749.38,	4190924.32,	6.00,	6.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00695 AT (	652747.69,	4190949.05,	6.00,	6.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00694 AT (	652756.17,	4190825.43,	6.00,	6.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00682 AT (	653067.85,	4190638.12,	6.00,	6.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00681 AT (	653066.12,	4190662.81,	6.00,	6.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00672 AT (	652745.99,	4190973.77,	6.00,	6.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00660 AT (	653064.39,	4190687.50,	6.00,	6.00,	0.00)	DC
SLINE3	1ST HIGHEST VALUE IS	0.00609 AT (	653007.61,	4188160.16,	6.00,	6.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00604 AT (	652983.28,	4188160.04,	6.00,	6.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00585 AT (	653031.94,	4188160.28,	6.00,	6.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00572 AT (	652923.92,	4188307.24,	6.00,	6.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00544 AT (	652922.13,	4188331.81,	6.00,	6.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00538 AT (	652958.95,	4188159.91,	6.00,	6.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00511 AT (	653227.54,	4188376.43,	6.00,	6.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00510 AT (	653229.27,	4188351.76,	6.00,	6.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00507 AT (	652920.35,	4188356.38,	6.00,	6.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00501 AT (	653225.82,	4188401.09,	6.00,	6.00,	0.00)	DC
SLINE4	1ST HIGHEST VALUE IS	0.00081 AT (	653157.82,	4189354.17,	6.00,	6.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00081 AT (	653159.55,	4189329.48,	6.00,	6.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00081 AT (	653156.09,	4189378.86,	6.00,	6.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00081 AT (	653161.28,	4189304.79,	6.00,	6.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00081 AT (	653154.36,	4189403.55,	6.00,	6.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00081 AT (	653163.01,	4189280.09,	6.00,	6.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00081 AT (	653152.63,	4189428.24,	6.00,	6.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00081 AT (	653164.74,	4189255.40,	6.00,	6.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00081 AT (	653150.90,	4189452.93,	6.00,	6.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00081 AT (	653166.47,	4189230.71,	6.00,	6.00,	0.00)	DC

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE SUMMARY OF MAXIMUM PERIOD (43776 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR,	YR,	ZELEV,	ZHILL,	ZFLAG)	OF TYPE	NETWORK GRID-ID
PLINE4	1ST HIGHEST VALUE IS	0.00088 AT (	653168.20,	4189206.02,	6.00,	6.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.00087 AT (	653166.47,	4189230.71,	6.00,	6.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00087 AT (	653164.74,	4189255.40,	6.00,	6.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.00087 AT (	653205.18,	4188697.02,	6.00,	6.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.00087 AT (	653163.01,	4189280.09,	6.00,	6.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00087 AT (	653161.28,	4189304.79,	6.00,	6.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00087 AT (	653206.90,	4188672.36,	6.00,	6.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00087 AT (	653159.55,	4189329.48,	6.00,	6.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00087 AT (	653157.82,	4189354.17,	6.00,	6.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.00087 AT (	653208.62,	4188647.70,	6.00,	6.00,	0.00)	DC	
SLINE5	1ST HIGHEST VALUE IS	0.00138 AT (	653156.09,	4189378.86,	6.00,	6.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.00138 AT (	653157.82,	4189354.17,	6.00,	6.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00138 AT (	653154.36,	4189403.55,	6.00,	6.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.00138 AT (	653159.55,	4189329.48,	6.00,	6.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.00138 AT (	653152.63,	4189428.24,	6.00,	6.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00138 AT (	653161.28,	4189304.79,	6.00,	6.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00138 AT (	653150.90,	4189452.93,	6.00,	6.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00138 AT (	653163.01,	4189280.09,	6.00,	6.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00138 AT (	653149.17,	4189477.62,	6.00,	6.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.00138 AT (	653164.74,	4189255.40,	6.00,	6.00,	0.00)	DC	
PLINE5	1ST HIGHEST VALUE IS	0.00088 AT (	653191.80,	4189205.78,	6.00,	6.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.00087 AT (	653215.40,	4189205.54,	6.00,	6.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.00087 AT (	653168.20,	4189206.02,	6.00,	6.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.00087 AT (	653166.47,	4189230.71,	6.00,	6.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.00087 AT (	653231.46,	4188709.19,	6.00,	6.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00087 AT (	653164.74,	4189255.40,	6.00,	6.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00087 AT (	653231.94,	4188697.51,	6.00,	6.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00087 AT (	653163.01,	4189280.09,	6.00,	6.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.00087 AT (	653255.06,	4188705.54,	6.00,	6.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.00087 AT (	653161.28,	4189304.79,	6.00,	6.00,	0.00)	DC	
SLINE6	1ST HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	2ND HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	3RD HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	4TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		

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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

*** THE SUMMARY OF MAXIMUM PERIOD (43776 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR,	YR,	ZELEV,	ZHILL,	ZFLAG)	OF TYPE	NETWORK GRID-ID
SLINE7	1ST HIGHEST VALUE IS	0.01365 AT (	653215.40,	4189205.54,	6.00,	6.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.01320 AT (	653255.06,	4188705.54,	6.00,	6.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.01259 AT (	653239.00,	4189205.29,	6.00,	6.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.01199 AT (	653273.79,	4188795.32,	6.00,	6.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.01198 AT (	653275.01,	4188771.96,	6.00,	6.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.01195 AT (	653276.23,	4188748.61,	6.00,	6.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.01193 AT (	653277.44,	4188725.25,	6.00,	6.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.01189 AT (	653278.66,	4188701.89,	6.00,	6.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.01118 AT (	653272.22,	4189060.78,	6.00,	6.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.01118 AT (	653273.82,	4189036.74,	6.00,	6.00,	0.00)	DC	
SLINE8	1ST HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	2ND HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	3RD HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	4TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
SLINE9	1ST HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	2ND HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	3RD HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	4TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
SLINE10	1ST HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	2ND HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	3RD HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	4TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		

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**MODELOPTS: NonDFAULT CONC FLAT
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*** THE SUMMARY OF MAXIMUM PERIOD (43776 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR,	YR,	ZELEV,	ZHILL,	ZFLAG)	OF TYPE	NETWORK GRID-ID
SLINE11	1ST HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	2ND HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	3RD HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	4TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
SLINE12	1ST HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	2ND HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	3RD HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	4TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
SLINE13	1ST HIGHEST VALUE IS	0.01068 AT (	653055.73,	4190810.96,	6.00,	6.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.01067 AT (	653054.00,	4190835.65,	6.00,	6.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.01067 AT (	653057.46,	4190786.27,	6.00,	6.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.01064 AT (	653052.27,	4190860.34,	6.00,	6.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.01062 AT (	653059.19,	4190761.58,	6.00,	6.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.01057 AT (	653050.54,	4190885.03,	6.00,	6.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.01052 AT (	653060.92,	4190736.88,	6.00,	6.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.01049 AT (	653048.81,	4190909.72,	6.00,	6.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	0.01038 AT (	653047.08,	4190934.42,	6.00,	6.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	0.01032 AT (	653062.65,	4190712.19,	6.00,	6.00,	0.00)	DC	
SLINE14	1ST HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	2ND HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	3RD HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	4TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	5TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	6TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		

♀ *** AERMOD - VERSION 12060 *** *** P:\Union Pacific RR\Lathrop\Lathrop2.isc *** 06/14/12
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**MODELOPTS: NonDFAULT CONC FLAT
NODRYDPLT NOWETDPLT

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                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43776 HRS) RESULTS ***

                                    ** CONC OF DPM      IN MICROGRAMS/M**3                                **

                                                                                                          NETWORK
GROUP ID                         AVERAGE CONC              RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

SLINE15   1ST HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          2ND HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          3RD HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          4TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          5TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)

SLINE16   1ST HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          2ND HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          3RD HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          4TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          5TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)

SLINE17   1ST HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          2ND HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          3RD HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          4TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          5TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,         0.00,       0.00,       0.00,      0.00)

SLINE18   1ST HIGHEST VALUE IS       0.00335 AT (  652958.95,   4188159.91,       6.00,       6.00,      0.00)  DC
          2ND HIGHEST VALUE IS       0.00301 AT (  652755.51,   4191197.10,       6.00,       6.00,      0.00)  DC
          3RD HIGHEST VALUE IS       0.00291 AT (  652983.28,   4188160.04,       6.00,       6.00,      0.00)  DC
          4TH HIGHEST VALUE IS       0.00289 AT (  652764.65,   4190701.81,       6.00,       6.00,      0.00)  DC
          5TH HIGHEST VALUE IS       0.00289 AT (  652781.60,   4190454.57,       6.00,       6.00,      0.00)  DC
          6TH HIGHEST VALUE IS       0.00289 AT (  652774.82,   4190553.46,       6.00,       6.00,      0.00)  DC
          7TH HIGHEST VALUE IS       0.00289 AT (  652778.21,   4190504.01,       6.00,       6.00,      0.00)  DC
          8TH HIGHEST VALUE IS       0.00289 AT (  652771.43,   4190602.91,       6.00,       6.00,      0.00)  DC
          9TH HIGHEST VALUE IS       0.00289 AT (  652757.86,   4190800.70,       6.00,       6.00,      0.00)  DC
         10TH HIGHEST VALUE IS       0.00289 AT (  652784.99,   4190405.12,       6.00,       6.00,      0.00)  DC
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                              ***        06/14/12
                                   *** Lathrop Railyard Expansion                                             ***        16:41:19
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 **MODELOPTs:  NonDFAULT CONC                                     FLAT
                                                              NODRYDPLT NOWETDPLT

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43776 HRS) RESULTS ***

                                    ** CONC OF DPM      IN MICROGRAMS/M**3                                **

                                                                                                          NETWORK
GROUP ID                         AVERAGE CONC              RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

PLINE18   1ST HIGHEST VALUE IS       0.00170 AT (  653031.94,   4188160.28,       6.00,       6.00,      0.00)  DC
          2ND HIGHEST VALUE IS       0.00170 AT (  653032.91,   4188142.11,       6.00,       6.00,      0.00)  DC
          3RD HIGHEST VALUE IS       0.00169 AT (  653033.89,   4188123.95,       6.00,       6.00,      0.00)  DC
          4TH HIGHEST VALUE IS       0.00169 AT (  653034.86,   4188105.78,       6.00,       6.00,      0.00)  DC
          5TH HIGHEST VALUE IS       0.00169 AT (  653048.49,   4188105.78,       6.00,       6.00,      0.00)  DC
          6TH HIGHEST VALUE IS       0.00169 AT (  653007.61,   4188160.16,       6.00,       6.00,      0.00)  DC
          7TH HIGHEST VALUE IS       0.00169 AT (  653060.65,   4188096.53,       6.00,       6.00,      0.00)  DC
          8TH HIGHEST VALUE IS       0.00168 AT (  653070.87,   4188087.29,       6.00,       6.00,      0.00)  DC
          9TH HIGHEST VALUE IS       0.00167 AT (  653092.77,   4188087.94,       6.00,       6.00,      0.00)  DC
         10TH HIGHEST VALUE IS       0.00167 AT (  652983.28,   4188160.04,       6.00,       6.00,      0.00)  DC

SLINE19   1ST HIGHEST VALUE IS       0.00121 AT (  652835.87,   4189663.39,       6.00,       6.00,      0.00)  DC
          2ND HIGHEST VALUE IS       0.00121 AT (  652839.26,   4189613.94,       6.00,       6.00,      0.00)  DC
          3RD HIGHEST VALUE IS       0.00121 AT (  652893.58,   4188725.00,       6.00,       6.00,      0.00)  DC
          4TH HIGHEST VALUE IS       0.00121 AT (  652849.43,   4189465.60,       6.00,       6.00,      0.00)  DC
          5TH HIGHEST VALUE IS       0.00121 AT (  652842.65,   4189564.50,       6.00,       6.00,      0.00)  DC
          6TH HIGHEST VALUE IS       0.00121 AT (  652846.04,   4189515.05,       6.00,       6.00,      0.00)  DC
          7TH HIGHEST VALUE IS       0.00121 AT (  652832.48,   4189712.84,       6.00,       6.00,      0.00)  DC
          8TH HIGHEST VALUE IS       0.00121 AT (  652825.69,   4189811.74,       6.00,       6.00,      0.00)  DC
          9TH HIGHEST VALUE IS       0.00121 AT (  652829.08,   4189762.29,       6.00,       6.00,      0.00)  DC
         10TH HIGHEST VALUE IS       0.00121 AT (  652856.22,   4189366.70,       6.00,       6.00,      0.00)  DC

PLINE19   1ST HIGHEST VALUE IS       0.00123 AT (  653205.18,   4188697.02,       6.00,       6.00,      0.00)  DC
          2ND HIGHEST VALUE IS       0.00122 AT (  653206.90,   4188672.36,       6.00,       6.00,      0.00)  DC
          3RD HIGHEST VALUE IS       0.00122 AT (  653208.62,   4188647.70,       6.00,       6.00,      0.00)  DC
          4TH HIGHEST VALUE IS       0.00122 AT (  653210.34,   4188623.04,       6.00,       6.00,      0.00)  DC
          5TH HIGHEST VALUE IS       0.00122 AT (  653212.06,   4188598.38,       6.00,       6.00,      0.00)  DC
          6TH HIGHEST VALUE IS       0.00121 AT (  653213.78,   4188573.71,       6.00,       6.00,      0.00)  DC
          7TH HIGHEST VALUE IS       0.00121 AT (  653168.20,   4189206.02,       6.00,       6.00,      0.00)  DC
          8TH HIGHEST VALUE IS       0.00121 AT (  653166.47,   4189230.71,       6.00,       6.00,      0.00)  DC
          9TH HIGHEST VALUE IS       0.00121 AT (  653218.56,   4188697.26,       6.00,       6.00,      0.00)  DC
         10TH HIGHEST VALUE IS       0.00121 AT (  653164.74,   4189255.40,       6.00,       6.00,      0.00)  DC

SLINE20   1ST HIGHEST VALUE IS       0.05511 AT (  653033.24,   4191131.95,       6.00,       6.00,      0.00)  DC
          2ND HIGHEST VALUE IS       0.05241 AT (  653031.51,   4191156.64,       6.00,       6.00,      0.00)  DC
          3RD HIGHEST VALUE IS       0.05235 AT (  653034.97,   4191107.25,       6.00,       6.00,      0.00)  DC
          4TH HIGHEST VALUE IS       0.05130 AT (  653038.43,   4191057.87,       6.00,       6.00,      0.00)  DC
          5TH HIGHEST VALUE IS       0.04906 AT (  653041.89,   4191008.49,       6.00,       6.00,      0.00)  DC
          6TH HIGHEST VALUE IS       0.04767 AT (  653036.70,   4191082.56,       6.00,       6.00,      0.00)  DC
          7TH HIGHEST VALUE IS       0.04753 AT (  653045.35,   4190959.11,       6.00,       6.00,      0.00)  DC
          8TH HIGHEST VALUE IS       0.04688 AT (  653040.16,   4191033.18,       6.00,       6.00,      0.00)  DC
          9TH HIGHEST VALUE IS       0.04664 AT (  653029.78,   4191181.33,       6.00,       6.00,      0.00)  DC
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        10TH HIGHEST VALUE IS       0.04570 AT (  653048.81,  4190909.72,     6.00,     6.00,     0.00)  DC
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 **MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43776 HRS) RESULTS ***

                                    ** CONC OF DPM      IN MICROGRAMS/M**3                                 **

                                                                                                               NETWORK
GROUP ID                         AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

IWTP      1ST HIGHEST VALUE IS      0.01116 AT (  653244.75,  4188129.82,     6.00,     6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.00978 AT (  653246.47,  4188105.15,     6.00,     6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.00668 AT (  653243.03,  4188154.48,     6.00,     6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.00664 AT (  653248.19,  4188080.49,     6.00,     6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.00432 AT (  653249.91,  4188055.83,     6.00,     6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.00293 AT (  653251.63,  4188031.17,     6.00,     6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.00209 AT (  653253.35,  4188006.51,     6.00,     6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.00181 AT (  653337.00,  4187981.00,     6.00,     6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.00178 AT (  653241.31,  4188179.14,     6.00,     6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.00176 AT (  653232.18,  4188006.27,     6.00,     6.00,     0.00)  DC

GATE      1ST HIGHEST VALUE IS      0.00155 AT (  653067.85,  4190638.12,     6.00,     6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.00151 AT (  653060.92,  4190736.88,     6.00,     6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.00139 AT (  653069.58,  4190613.43,     6.00,     6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.00130 AT (  653059.19,  4190761.58,     6.00,     6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.00116 AT (  653071.31,  4190588.74,     6.00,     6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.00101 AT (  653066.12,  4190662.81,     6.00,     6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.00097 AT (  653057.46,  4190786.27,     6.00,     6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.00097 AT (  653073.04,  4190564.04,     6.00,     6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.00083 AT (  653074.77,  4190539.35,     6.00,     6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.00073 AT (  653055.73,  4190810.96,     6.00,     6.00,     0.00)  DC

SLINE21   1ST HIGHEST VALUE IS      0.00491 AT (  652847.74,  4189490.32,     6.00,     6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.00491 AT (  652849.43,  4189465.60,     6.00,     6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.00491 AT (  652846.04,  4189515.05,     6.00,     6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.00491 AT (  652851.13,  4189440.88,     6.00,     6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.00491 AT (  652844.35,  4189539.77,     6.00,     6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.00491 AT (  652852.82,  4189416.15,     6.00,     6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.00491 AT (  652842.65,  4189564.50,     6.00,     6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.00491 AT (  652854.52,  4189391.43,     6.00,     6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.00491 AT (  652840.95,  4189589.22,     6.00,     6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.00491 AT (  652856.22,  4189366.70,     6.00,     6.00,     0.00)  DC

SLINE22   1ST HIGHEST VALUE IS      0.00616 AT (  653159.55,  4189329.48,     6.00,     6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.00616 AT (  653161.28,  4189304.79,     6.00,     6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.00616 AT (  653157.82,  4189354.17,     6.00,     6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.00616 AT (  653163.01,  4189280.09,     6.00,     6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.00616 AT (  653156.09,  4189378.86,     6.00,     6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.00616 AT (  653164.74,  4189255.40,     6.00,     6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.00616 AT (  653154.36,  4189403.55,     6.00,     6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.00616 AT (  653166.47,  4189230.71,     6.00,     6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.00616 AT (  653152.63,  4189428.24,     6.00,     6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.00615 AT (  653168.20,  4189206.02,     6.00,     6.00,     0.00)  DC
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 **MODELOPTs:  NonDFAULT CONC                                   FLAT
                                                        NODRYDPLT NOWETDPLT

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43776 HRS) RESULTS ***

                                    ** CONC OF DPM      IN MICROGRAMS/M**3                                 **

                                                                                                               NETWORK
GROUP ID                         AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

SLINE23   1ST HIGHEST VALUE IS      0.00764 AT (  652856.22,  4189366.70,     6.00,     6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.00762 AT (  652869.78,  4189168.91,     6.00,     6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.00759 AT (  652842.65,  4189564.50,     6.00,     6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.00757 AT (  652878.26,  4189045.29,     6.00,     6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.00755 AT (  652883.35,  4188971.12,     6.00,     6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.00754 AT (  652847.74,  4189490.32,     6.00,     6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.00753 AT (  652834.17,  4189688.12,     6.00,     6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.00751 AT (  652891.83,  4188847.50,     6.00,     6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.00747 AT (  652829.08,  4189762.29,     6.00,     6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.00747 AT (  652820.61,  4189885.91,     6.00,     6.00,     0.00)  DC

LINEHAUL  1ST HIGHEST VALUE IS      0.00495 AT (  652958.95,  4188159.91,     6.00,     6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.00457 AT (  652983.28,  4188160.04,     6.00,     6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.00450 AT (  652989.00,  4188122.00,     6.00,     6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.00427 AT (  652755.51,  4191197.10,     6.00,     6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.00417 AT (  652795.17,  4190256.77,     6.00,     6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.00417 AT (  652791.78,  4190306.22,     6.00,     6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.00417 AT (  652798.56,  4190207.32,     6.00,     6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.00417 AT (  652788.39,  4190355.67,     6.00,     6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.00417 AT (  652801.95,  4190157.88,     6.00,     6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.00417 AT (  652784.99,  4190405.12,     6.00,     6.00,     0.00)  DC

LNHLIDLE  1ST HIGHEST VALUE IS      0.02430 AT (  653067.85,  4190638.12,     6.00,     6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.02398 AT (  653066.12,  4190662.81,     6.00,     6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.02321 AT (  653069.58,  4190613.43,     6.00,     6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.02303 AT (  653064.39,  4190687.50,     6.00,     6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.02185 AT (  653062.65,  4190712.19,     6.00,     6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.02108 AT (  653071.31,  4190588.74,     6.00,     6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.02062 AT (  653060.92,  4190736.88,     6.00,     6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.01946 AT (  653059.19,  4190761.58,     6.00,     6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.01848 AT (  653073.04,  4190564.04,     6.00,     6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.01840 AT (  653057.46,  4190786.27,     6.00,     6.00,     0.00)  DC

SWCHIDLE  1ST HIGHEST VALUE IS      0.00001 AT (  653067.85,  4190638.12,     6.00,     6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.00001 AT (  653066.12,  4190662.81,     6.00,     6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.00001 AT (  653069.58,  4190613.43,     6.00,     6.00,     0.00)  DC
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         4TH HIGHEST VALUE IS       0.00001 AT (  653064.39,  4190687.50,     6.00,      6.00,     0.00)  DC
         5TH HIGHEST VALUE IS       0.00001 AT (  653062.65,  4190712.19,     6.00,      6.00,     0.00)  DC
         6TH HIGHEST VALUE IS       0.00001 AT (  653071.31,  4190588.74,     6.00,      6.00,     0.00)  DC
         7TH HIGHEST VALUE IS       0.00001 AT (  653060.92,  4190736.88,     6.00,      6.00,     0.00)  DC
         8TH HIGHEST VALUE IS       0.00001 AT (  653059.19,  4190761.58,     6.00,      6.00,     0.00)  DC
         9TH HIGHEST VALUE IS       0.00001 AT (  653073.04,  4190564.04,     6.00,      6.00,     0.00)  DC
        10TH HIGHEST VALUE IS       0.00001 AT (  653057.46,  4190786.27,     6.00,      6.00,     0.00)  DC
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                            ***        06/14/12
                                   *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                       PAGE 518
 **MODELOPTs:  NonDFAULT CONC                                    FLAT
                                                          NODRYDPLT NOWETDPLT

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43776 HRS) RESULTS ***


                                    ** CONC OF DPM      IN MICROGRAMS/M**3                             **

                                                                                                              NETWORK
GROUP ID                       AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

SWCHWORK  1ST HIGHEST VALUE IS      0.00603 AT (  653168.20,  4189206.02,     6.00,      6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.00602 AT (  653166.47,  4189230.71,     6.00,      6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.00602 AT (  653164.74,  4189255.40,     6.00,      6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.00602 AT (  653163.01,  4189280.09,     6.00,      6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.00601 AT (  653161.28,  4189304.79,     6.00,      6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.00601 AT (  653159.55,  4189329.48,     6.00,      6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.00600 AT (  653157.82,  4189354.17,     6.00,      6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.00600 AT (  653156.09,  4189378.86,     6.00,      6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.00599 AT (  653154.36,  4189403.55,     6.00,      6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.00599 AT (  653152.63,  4189428.24,     6.00,      6.00,     0.00)  DC

DRAYTRKI  1ST HIGHEST VALUE IS      0.02697 AT (  653057.46,  4190786.27,     6.00,      6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.02686 AT (  653060.92,  4190736.88,     6.00,      6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.02679 AT (  653062.65,  4190712.19,     6.00,      6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.02642 AT (  653054.00,  4190835.65,     6.00,      6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.02530 AT (  653059.19,  4190761.58,     6.00,      6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.02518 AT (  653050.54,  4190885.03,     6.00,      6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.02501 AT (  653055.73,  4190810.96,     6.00,      6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.02441 AT (  653064.39,  4190687.50,     6.00,      6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.02411 AT (  653052.27,  4190860.34,     6.00,      6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.02302 AT (  653047.08,  4190934.42,     6.00,      6.00,     0.00)  DC

CRGOHNDL  1ST HIGHEST VALUE IS      0.01601 AT (  652856.22,  4189366.70,     6.00,      6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.01596 AT (  652842.65,  4189564.50,     6.00,      6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.01593 AT (  652869.78,  4189168.91,     6.00,      6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.01592 AT (  652847.74,  4189490.32,     6.00,      6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.01586 AT (  652834.17,  4189688.12,     6.00,      6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.01579 AT (  652878.26,  4189045.29,     6.00,      6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.01576 AT (  652829.08,  4189762.29,     6.00,      6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.01569 AT (  652849.43,  4189465.60,     6.00,      6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.01568 AT (  652883.35,  4188971.12,     6.00,      6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.01567 AT (  652820.61,  4189885.91,     6.00,      6.00,     0.00)  DC

RTGHNDL   1ST HIGHEST VALUE IS      0.01046 AT (  653218.56,  4188697.26,     6.00,      6.00,     0.00)  DC
          2ND HIGHEST VALUE IS      0.01044 AT (  653231.46,  4188709.19,     6.00,      6.00,     0.00)  DC
          3RD HIGHEST VALUE IS      0.01044 AT (  653231.94,  4188697.51,     6.00,      6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.01043 AT (  653205.18,  4188697.02,     6.00,      6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.01041 AT (  653206.90,  4188672.36,     6.00,      6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.01040 AT (  653208.62,  4188647.70,     6.00,      6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.01039 AT (  653191.80,  4189205.78,     6.00,      6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.01038 AT (  653210.34,  4188623.04,     6.00,      6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.01037 AT (  653168.20,  4189206.02,     6.00,      6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.01036 AT (  653166.47,  4189230.71,     6.00,      6.00,     0.00)  DC
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                            ***        06/14/12
                                   *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                       PAGE 519
 **MODELOPTs:  NonDFAULT CONC                                    FLAT
                                                          NODRYDPLT NOWETDPLT

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43776 HRS) RESULTS ***


                                    ** CONC OF DPM      IN MICROGRAMS/M**3                             **

                                                                                                              NETWORK
GROUP ID                       AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

TRUS      1ST HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)
          2ND HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)
          3RD HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)
          4TH HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)
          5TH HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)
          6TH HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)
          7TH HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)
          8TH HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)
          9TH HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)
         10TH HIGHEST VALUE IS      0.00000 AT (       0.00,        0.00,     0.00,      0.00,     0.00)

ALL       1ST HIGHEST VALUE IS      0.06444 AT (  653066.12,  4190662.81,     6.00,      6.00,     0.00)  DC
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          3RD HIGHEST VALUE IS      0.06074 AT (  653069.58,  4190613.43,     6.00,      6.00,     0.00)  DC
          4TH HIGHEST VALUE IS      0.06008 AT (  653067.85,  4190638.12,     6.00,      6.00,     0.00)  DC
          5TH HIGHEST VALUE IS      0.05784 AT (  653062.65,  4190712.19,     6.00,      6.00,     0.00)  DC
          6TH HIGHEST VALUE IS      0.05329 AT (  653060.92,  4190736.88,     6.00,      6.00,     0.00)  DC
          7TH HIGHEST VALUE IS      0.05146 AT (  653071.31,  4190588.74,     6.00,      6.00,     0.00)  DC
          8TH HIGHEST VALUE IS      0.04956 AT (  653073.04,  4190564.04,     6.00,      6.00,     0.00)  DC
          9TH HIGHEST VALUE IS      0.04397 AT (  653059.19,  4190761.58,     6.00,      6.00,     0.00)  DC
         10TH HIGHEST VALUE IS      0.03887 AT (  653074.77,  4190539.35,     6.00,      6.00,     0.00)  DC

 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** P:\Union Pacific RR\Lathrop\Lathrop2.isc                            ***        06/14/12
                                   *** Lathrop Railyard Expansion                                           ***        16:41:19
                                                                                                                       PAGE 520
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*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of         9148 Informational Message(s)

A Total of        43776 Hours Were Processed

A Total of         8522 Calm Hours Identified

A Total of          626 Missing Hours Identified (  1.43 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***   NONE   ***


   ********   WARNING MESSAGES   ********
SO W320     3842  PPARM:Input Parameter May Be Out-of-Range for Parameter            VS
ME W396     5062 MEOPEN:Met data from outdated version of AERMET, version:        06341

   ************************************
   *** AERMOD Finishes Successfully ***
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APPENDIX C

Memo from Union Pacific to San Joaquin County re: Infeasibility of Wide Span Gantry Cranes

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Gerry E. Bisaillon
General Director Premium Operations

September 17, 2012

Via Electronic & U.S. Mail
Mo Hatef
Senior Planner
San Joaquin County CDD
1810 East Hazelton Avenue
Stockton, CA 95205

Re: Union Pacific Expansion and Modernization Project – Infeasibility of Wide Span Gantry Cranes

Dear Ms Hatef:

In its letter dated November 7, 2011, the California Air Resources Board ("CARB") proposed that Union Pacific Railroad Company ("UP") incorporate electrified rail mounted or wide-span gantry cranes ("WSGs") into its Expansion and Modernization Project (the "Project") currently under review by San Joaquin County (the "County"). We would like to respond to CARB's proposal and explain in greater detail why WSGs would be infeasible in connection with the Project.

UP is North America's premier railroad franchise, linking 23 states in the western two-thirds of the country by rail and providing freight solutions and logistics expertise to the global supply chain. UP also maintains the largest intermodal network in North America, including 34 intermodal terminals within the United States and more than 100,000 containers riding on 32,000 miles of track. UP has invested $1.1 billion in its intermodal terminals since 2000 to enhance its ability to provide safe, reliable, fuel-efficient and environmentally responsible freight transportation.

Against that background, UP is an industry leader in the movement of goods and the equipment necessary to provide such services, including the gantry cranes which are utilized at intermodal terminals to load and unload containers to and from rail cars. UP utilizes or has proposed diesel powered rubber tire gantry cranes ("RTGs") or electrified WSGs at its intermodal facilities based upon the site characteristics and operational demands of each facility.

The main objective of the Project is to expand the capacity of UP's existing intermodal terminal in San Joaquin County, its "Lathrop Intermodal Terminal," by enabling the facility to handle longer uninterrupted lengths of rail cars, allowing more rail cars to be

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loaded and unloaded in one sequence while reducing crossings over the local roadway network. This increase in capacity and efficiency would largely be achieved by lengthening the existing loading ramp area, including the concrete ramp for truck lanes and container staging and the working track where rail cars are loaded and unloaded.

This project design works particularly well for a domestic facility such as the Lathrop Intermodal Terminal where containers are transferred to and from drayage trucks throughout the day, with heavy peak volumes during a three to four hour period around a train arrival/departure time. Containers are stored on chassis in designated parking bays, rather than within the loading area, so that containers may be retrieved by drayage trucks on a 24/7 basis and to keep them from crowding the continuously operating loading area.

As illustrated at Figure 3-4 of the Draft Environmental Impact Report ("DEIR") for the Project, the loading ramp and rail track of the Lathrop Intermodal Terminal have been carefully aligned to allow for the proper spacing for drayage truck lanes, container stacking and the operation of RTGs to handle containers. Specifically, the RTGs utilized at the Lathrop Intermodal Terminal, and which would be utilized in connection with the Project, have a 42.5-foot wide horizontal space capable of reaching over a single, "working" railroad track and a single concrete lane to transfer containers to and from rail cars and drayage trucks or stacking areas. I have attached an illustration of the typical cross-section and configuration of the RTGs currently utilized at the Lathrop Intermodal Facility and proposed for use in connection with the Project as Attachment 1 to this letter.

As depicted at Attachment 1, concrete is needed on both sides of a working track/loading lane combination so that the RTG can move up and down the loading ramp on wheels for loading/unloading operations. Working track and concrete loading lanes are essentially designed and constructed in pairs. Given the limited operating width of RTGs and the continuously operating loading ramp, containers are generally staged on chassis in designated container parking bay areas adjacent to the loading ramp rather than within the loading ramp itself as noted above.

WSGs, as the name implies, are much wider than the RTGs currently utilized at the Lathrop Intermodal Facility and require a very different facility layout. For instance, at Union Pacific's proposed ICTF Modernization Project, which would provide expanded capacity serving the Port of Los Angeles and Port of Long Beach, WSGs would span and operate over four contiguous working tracks and a 93 foot concrete area for 10 contiguous rows of container stacking and truck lanes, for a total operating width of over 230 feet. The ICTF project design works particularly well for a marine shipping terminal like ICTF because containers are loaded and unloaded according to the schedule of ships, which handle large volumes of goods but which arrive and depart much less frequently than domestic drayage trucks and trains. Unlike the Lathrop Intermodal Terminal, cargo containers can be loaded and offloaded by WSGs at a much slower pace than at a domestic/RTG facility, and can generally be stacked within the loading ramp area as a particular ship is loaded or offloaded. Because ships arrive and depart less frequently than dray trucks and trains, there is less need for container parking on chassis outside the loading area.

Therefore, the very different demands of a domestic versus marine intermodal facility require different designs, layouts and infrastructure. As noted above, a single RTG at the Intermodal Terminal spans 42.5 feet and operates over a single working track and concrete loading lane. Containers are generally stored on chassis in designated container parking bays rather than stacked on the loading ramp because drayage trucks continuously arrive and depart on a 24/7 basis, rather than according to the less frequent arrival and departure of ships. The layout of a facility utilizing WSGs versus RTGs is therefore completely different. I am attaching, as Attachment 2 to this letter, Figure 4 of UP's Application for Development Approval for the Intermodal Container Transfer Facility Modernization Project which illustrates the difference between a facility designed for WSGs versus RTGs.

To utilize WSGs as part of the Project, UP would therefore have to completely redesign the loading area and support infrastructure. Rather than extend and expand the existing loading ramp and rail track, UP would have to remove existing track, demolish existing concrete and reconstruct the loading ramp, track, parking bays and related infrastructure in different locations and alignments to accommodate the width of WSGs. The loading ramp would consist of several contiguous rows of loading/stacking lanes and working track instead of pairs of working track/loading lanes. Container parking bays would be scaled and aligned very differently with WSGs than with RTGs. Very few, if any of the current facility features could be retained. UP would, in essence, be forced to construct an entirely new facility.

Moreover, the cost of integrating a WSG loading ramp into the Project would approach the cost of the Project itself. To utilize WSGs, UP would have to replace the six RTGs proposed for the Project with five WSGs (6 RTGs would translate to 5 WSGs given the layout of the Lathrop Intermodal Facility), demolish the existing facilities to accommodate a new loading ramp design, redesign the new facility for WSGs, and construct a new facility based upon the new design at a cost in excess of $160 million, in addition to the estimated $238 million cost of the proposed Project.

In addition, if the current loading ramp had to be redesigned and reconstructed to accommodate WSGs, the Lathrop Intermodal Terminal would not be able to handle cargo during construction. The facility is already operating at capacity and occupies the entire site footprint and there would be no room to load or unload containers as the ramp was demolished and rebuilt. Not only would the Intermodal Terminal lose a significant amount of revenue during this extended period of construction and down time, adding to the $160 million cost of integrating WSGs, customers would likely permanently move their business to other facilities, since they would not be able to rely upon the Lathrop

Intermodal Terminal to handle their goods. It is therefore very unlikely that UP would proceed with the Project if WSGs were required in light of the significant expense and prospect of losing business.

Finally, it is UP's experience that WSGs are not well suited for domestic facilities (although they may be appropriate for international facilities). Domestic railyards, including the Lathrop Intermodal Terminal, handle containers transferred to and from drayage trucks arriving throughout the day, 24 hours a day and 365 days a year, with heavy peak volumes during a three to four hour period depending on train arrival/departure times. International facilities such as ICTF, on the other hand, load and unload containers according to the schedule of ships, which handle large volumes of goods but which arrive and depart much less frequently than domestic drayage trucks. Cargo containers can be loaded and offloaded and stacked by WSGs at a much slower pace. If electrified WSGs were employed at domestic railyards, they would not be able to effectively handle the quicker turnaround time required for domestic cargo movements because of their operational constraints. Even if the transportation of domestic cargo could be slowed without affecting customer expectations, the slower turnaround time would require more onsite storage of containers, resulting in a larger facility. Practical and technical considerations therefore also preclude the incorporation of WSGs at the Lathrop Intermodal Terminal.

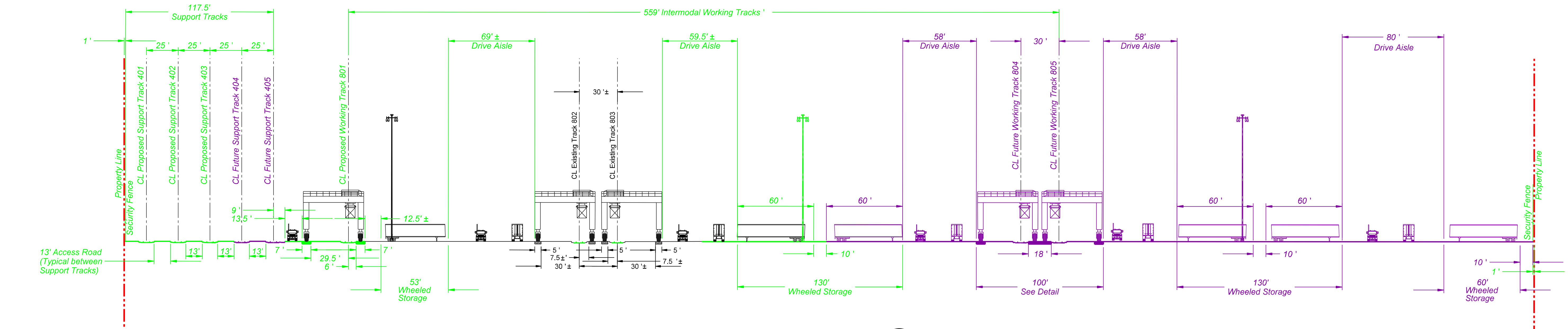
I hope that this letter provides additional detail and explanation for why UP has not proposed to utilize WSGs in connection with the Project and why they would be infeasible at the Lathrop Intermodal Terminal.

Thank you for your consideration of our proposed Project.

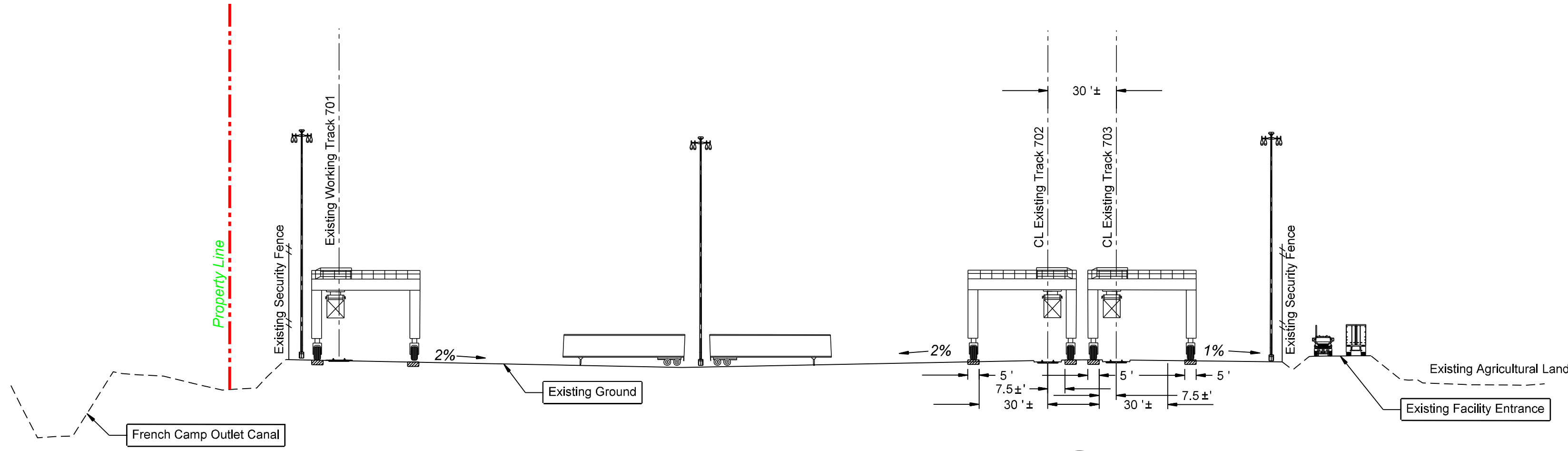
Sincerely,

Gerry Bisaillon
General Director-Premium Operations
Union Pacific Railroad Company

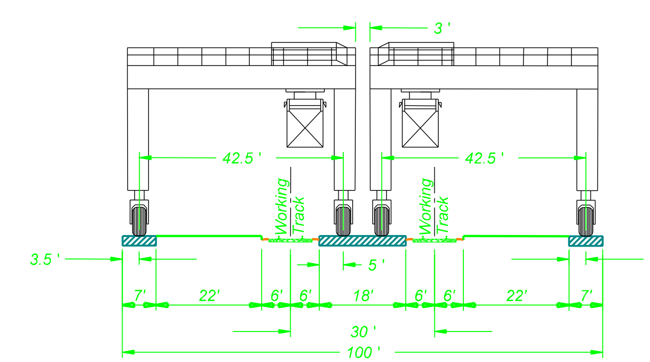
Enclosures



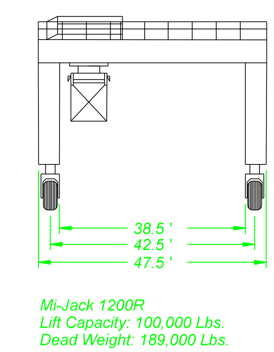
Proposed Typical Section 1 CS-301
Scale: 1" = 40'



Existing Typical Section 2 CS-301
Scale: 1" = 40'



Double Working Track Detail 3 CS-301
Scale: 1" = 20'



RTG Crane Detail
Not to Scale

- PRELIMINARY -
NOT FOR CONSTRUCTION

REVISION #	BY	DATE	DESCRIPTION
		11/10/2011	90% DESIGN REVIEW SUBMITTAL

TranSystems
505 14TH STREET,
SUITE 1000
OAKLAND, CALIFORNIA 94612
PHONE: 510-835-2761
FAX: 510-835-9839

UNION PACIFIC

DRAWN BY: AML
CHECKED BY: LJT
DATE: 11/10/2011
SHEET NUMBER 78 of 379

UNION PACIFIC RAILROAD
Office of Assistant Vice President
Engineering Design

LOCATION: Lathrop Intermodal Expansion - French Camp, CA
Oakland Subdivision MP 84.7 To MP 86.8

DWG TITLE: SITE TYPICAL SECTIONS
DWG NUMBER CS-301

G:\0K09\0065\Site\Sheets\CS-301.dgn

Color table: s:\UPRR_V8i\MicroStation_V8\Departments\Site\data\UPRR.tbl
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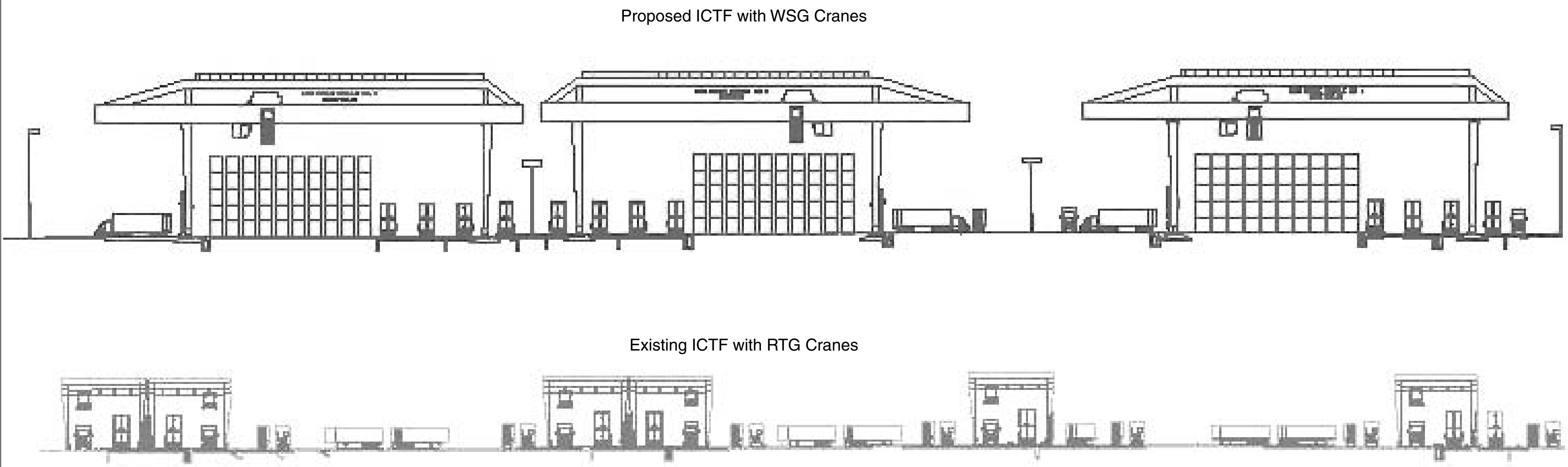
G:\0K09\0065\Site\Sheets\CS-301.dgn
11/9/2011



Source: HDR Engineering 2006

UNION PACIFIC RAILROAD

Figure 4. Existing UP ICTF RTG Crane and Proposed WSG Crane Cross Sections

APPENDIX D

Memo from Kittelson & Associates to San Joaquin County re: Fair Share Analysis

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KITTELSON & ASSOCIATES, INC./DOWLING
TRANSPORTATION PLANNING/ENGINEERING

MEMORANDUM

Date:	September 20, 2012
To:	Mo Hatef, Senior Planner, San Joaquin County CDD Alex Chetley, P.E., San Joaquin County DPW
From	Jim Damkowitch, Kittelson & Associates Inc./Dowling Associates
cc:	
Project	P10053
Subject	Fair Share Analysis

1 Introduction

This memorandum details the fair share mitigation methodology and calculation for traffic impacts identified as part of the UP Lathrop Intermodal Modernization Project DEIR. The traffic analysis for the DEIR was performed by Kittelson & Associates/Dowling Associates Inc. under contract with ESA. All fair share results are presented herein as percentages. Actual fair share costs for identified mitigations will be contingent upon detailed engineering cost assessments performed during the implementation process.

Where an improvement necessary to mitigate project impacts is already included within an existing fee program, such as the San Joaquin Regional Transportation Impact Fee ("RTIF) or the County's Traffic Impact Mitigation Fee ("TIMF") program, the DEIR requires the payment of the relevant mitigation fee (i.e., RTIF or TIMF) as mitigation, rather than payment of a fee based upon the fair share methodology and percentages described below. Fair share percentages were nonetheless developed for all impact locations, regardless of whether the necessary improvement is covered by an existing fee program. This was done to provide a complete description of the project's relative impacts at all study intersections and freeway mainline sections and ramps. For improvements not covered by an existing fee program, the payment of a fair share-based fee based upon the percentages listed below is required for mitigation.

2 Impact Locations

Only cumulative plus project impacts require fair share calculations. For the UP Lathrop Intermodal Modernization Project DEIR, fair share percentages for the 2035 cumulative condition were developed[1]. Both the 2021 and 2035 cumulative plus project traffic impacts are listed on the following page. For purposes of CEQA, the out-year 2035 fair share results supersede all interim year results. Hence, only the 2035 fair share percentages are used to calculate the actual fair share costs for improvements. For purposes of this memorandum, traffic impacts are classified as either intersections, freeway mainline/ramp or rail crossing impacts.

[1] Traffic impacts TRANS-1 through TRANS-4 are project specific impacts – entails a 100% fair share by the project applicant. TRANS-5 through TRANS-7 reflect 2013 cumulative plus projects impacts which are mitigated by implementing the project specific impact improvements.

Intersection Impacts: 2021 Cumulative Condition

TRANS-8	Roth Road/I-5 Southbound Ramps
TRANS-9	Roth Road/I-5 Northbound Ramps
TRANS-10	Roth Road/Harlan Road
TRANS-11	Lathrop Road/I-5 Southbound Ramps
TRANS-12	Lathrop Road/I-5 Northbound Ramps
TRANS-13	French Camp Road/SR-99 Southbound Ramps

Intersection Impacts: 2035 Cumulative Condition

TRANS-14	Airport Way/French Camp Road
TRANS-15	Roth Road/I-5 Southbound Ramps
TRANS-16	Roth Road/I-5 Northbound Ramps
TRANS-17	Roth Road/Harlan Road
TRANS-18	Airport Way/Daisywood Drive
TRANS-19	Lathrop Road/I-5 Southbound Ramps
TRANS-20	Lathrop Road/I-5 Northbound Ramps
TRANS-21	Airport Way/Lathrop Road
TRANS-22	French Camp Road/SR-99 Southbound Ramps
TRANS-23	French Camp Road/SR-99 Northbound Ramps

Freeway Mainline/ramp Impacts: 2035 Cumulative Condition

TRANS-24	I-5 between Lathrop Road and Roth Road Freeway Mainline Northbound
TRANS-25	I-5 between Roth Road and Mathews Road Freeway Mainline Northbound
TRANS-26	I-5 between Mathews Road and Roth Road Freeway Mainline Southbound
TRANS-27	I-5 between Roth Road and Lathrop Road Freeway Mainline Southbound
TRANS-28	I-5 Northbound Ramp Merge at Roth Road
TRANS-29	I-5 Southbound Ramp Merge at Roth Road
TRANS-30	I-5 Northbound Ramp Diverge at Roth Road
TRANS-31	I-5 Southbound Ramp Diverge at Roth Road
TRANS-32	Freeway Mainline – Northbound SR-99 between Lathrop Road and French Camp
TRANS-33	Freeway Mainline - Southbound SR 99 between French Camp Road and Lathrop Road
TRANS-34	SR-99 Northbound Ramp Merge at Lathrop Road
TRANS-35	SR-99 Northbound Ramp Diverge at French Camp Road
TRANS-36	SR-99 Northbound Ramp Merge at French Camp Road
TRANS-37	SR-99 Southbound Ramp Diverge at French Camp Road
TRANS-38	SR-99 Southbound Ramp Diverge at Lathrop Road

Rail Crossing Impacts: 2035 Cumulative Condition

TRANS-39	Roth Road At-Grade Rail Crossing

3 Fair Share Methodology

In recognition that many of the traffic impacts identified in the UP Lathrop Intermodal Modernization Project DEIR involve state owned and operated facilities, the Caltrans Guide for the Preparation of Traffic Impact Studies (December 2002) is referenced herein. The state guidance on fair share methodology is similar to other documented formulations.

As Caltrans advises in its Guide for the Preparation of Traffic Impact Studies, where a project causes an impact only under cumulative conditions, its equitable fair share of mitigation measures is equal to its share of all future traffic at the impacted facility from all future projects[2]. Equitable fair share is based on the following:

$P = T / (T_B - T_E)$

Where:

P = equitable share for the proposed project's traffic impact.
T = the vehicle trips generated by the project during the peak hour
T_B = the forecasted cumulative traffic volume on the impacted facility, i.e., 2035
T_E = existing traffic volume on the impacted facility.

For intersections, trips were summed for all approaches to yield values for T, T_B, and T_E. For freeway sections, the on- or off-ramp volume was used for merge or diverge impact locations respectively while mainline volumes were used for basic freeway impact locations. The source for all inputs of T, T_B, and T_E was the UP Lathrop Intermodal Modernization Project DEIR.

Volume adjustments for passenger car equivalencies were not performed for the purpose of computing fair share responsibility.

Based on the above equation, fair share percentages for the UP Lathrop Intermodal Modernization Project DEIR were computed. Fair share percentages for intersections under 2035 cumulative conditions are shown in Table 1.

Table 2 provides the fair share percentages for the impacted I-5 and SR-99 freeway sections under 2035 cumulative conditions. The freeway merge-diverge influence area (1,500 feet from ramp gore) and the basic freeway section impact locations (TRANS-24 through TRANS-38) were combined to yield the fair share percentage by direction and by section total (bi-direction).

The fair share calculation for TRANS-39 (Roth Road At-Grade Rail Crossing) was based on the PM peak hour 2035 cumulative condition. Bi-direction segment volumes were computed by summing the PM peak hour turn movements at Roth/Harlan and at the UP Facility Driveway. This yielded a 15.4% project fair share (175/(1,630 – 490)).

[2] See Guide at Appendix B, page 2 (http://www.dot.ca.gov/hq/tpp/offices/ocp/igr_ceqa_files/tisguide.pdf).

Table 1. Intersection Fair Share Percentages: 2035 Cumulative Condition RTIF, TIMF or Manteca fee program]

Impact ID	INTERSECTION DESCRIPTION		Project Trips AM	Project Trips PM	Cumulative Plus Project AM	Cumulative Plus Project PM	Existing Trips AM	Existing Trips PM	Equitable Share AM	Equitable Share PM
TRANS-14[1]	Airport Way	French Camp Road	41	68	2,550	3,090	1,196	1,362	3.0%	3.9%
TRANS-8/15[2]	Roth Road	I-5 SB Ramps	56	86	1,348	1,755	399	352	5.9%	6.1%
TRANS-9/16[2]	Roth Road	I-5 NB Ramps	116	171	1,868	2,508	690	678	9.8%	9.3%
TRANS-10/17[2]	Roth Road	Harlan Road	119	175	1,978	2,268	864	836	10.7%	12.2%
TRANS-18[3]	Airport Way	Daisywood Drive	10	11	2,345	3,178	423	546	0.5%	0.4%
TRANS-11/19[2]	Lathrop Road	I-5 SB Ramps	2	2	6,919	7,853	786	828	0.0%	0.0%
TRANS-12/20[2]	Lathrop Road	I-5 NB Ramps	1	1	5,892	6,163	1,385	1,506	0.0%	0.0%
TRANS-21[3]	Airport Way	Lathrop Road	9	11	4,343	5,048	1,315	1,679	0.3%	0.3%
TRANS-13/22[2]	French Camp Road	SR-99 SB Ramps	41	68	1,354	1,685	776	870	7.1%	8.3%
TRANS-23[2]	French Camp Road	SR-99 NB Ramps	12	21	955	1,043	650	625	3.9%	5.0%

Table 2. Freeway Fair Share Percentages: 2035 Cumulative Condition

Impact ID	FREEWAY DESCRIPTION		Project Trips AM	Project Trips PM	Cumulative Plus Project AM	Cumulative Plus Project PM	Existing Trips AM	Existing Trips PM	Equitable Share AM	Equitable Share PM
Mainline and Merge-Diverge Influence Area Combined - Reflects TRANS-24 through TRANS-38[2]	I-5 SB	Between Roth & Matthews Road	26	50	5,576	9,115	3,544	3,757	1.3%	0.9%
	I-5 NB	Between Roth & Matthews Road	44	53	8,244	7,445	3,414	4,592	0.9%	1.9%
		Section Total	70	103	13,820	16,560	6,958	8,349	1.0%	1.3%
	I-5 SB	Between Lathrop & Roth	30	36	5,100	8,909	3,474	3,694	1.8%	0.7%
	I-5 NB	Between Lathrop & Roth	16	32	8,220	6,824	3,377	4,483	0.3%	1.4%
		Section Total	46	68	13,320	15,733	6,851	8,177	0.7%	0.9%
	SR-99 NB	Between Lathrop & French Camp	14	17	3,752	5,658	2,036	3,232	0.8%	0.7%
	SR-99 SB	Between Lathrop & French Camp	15	30	5,792	3,831	2,899	2,171	0.5%	1.8%
		Section Total	29	47	9,544	9,489	4,935	5,403	0.6%	1.2%

1: County of San Joaquin Traffic Impact Mitigation Fee (TIMF)
2: San Joaquin County Regional Traffic Impact Fee (RTIF)
3: City of Manteca Traffic Impact Fee

APPENDIX E

Engineer's Opinion of Probable Cost of Mitigation Measures TRANS-8, -9, -10, -15, -16, and -17

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DAVID EVANS AND ASSOCIATES INC.

Memorandum

DATE: September 26, 2012

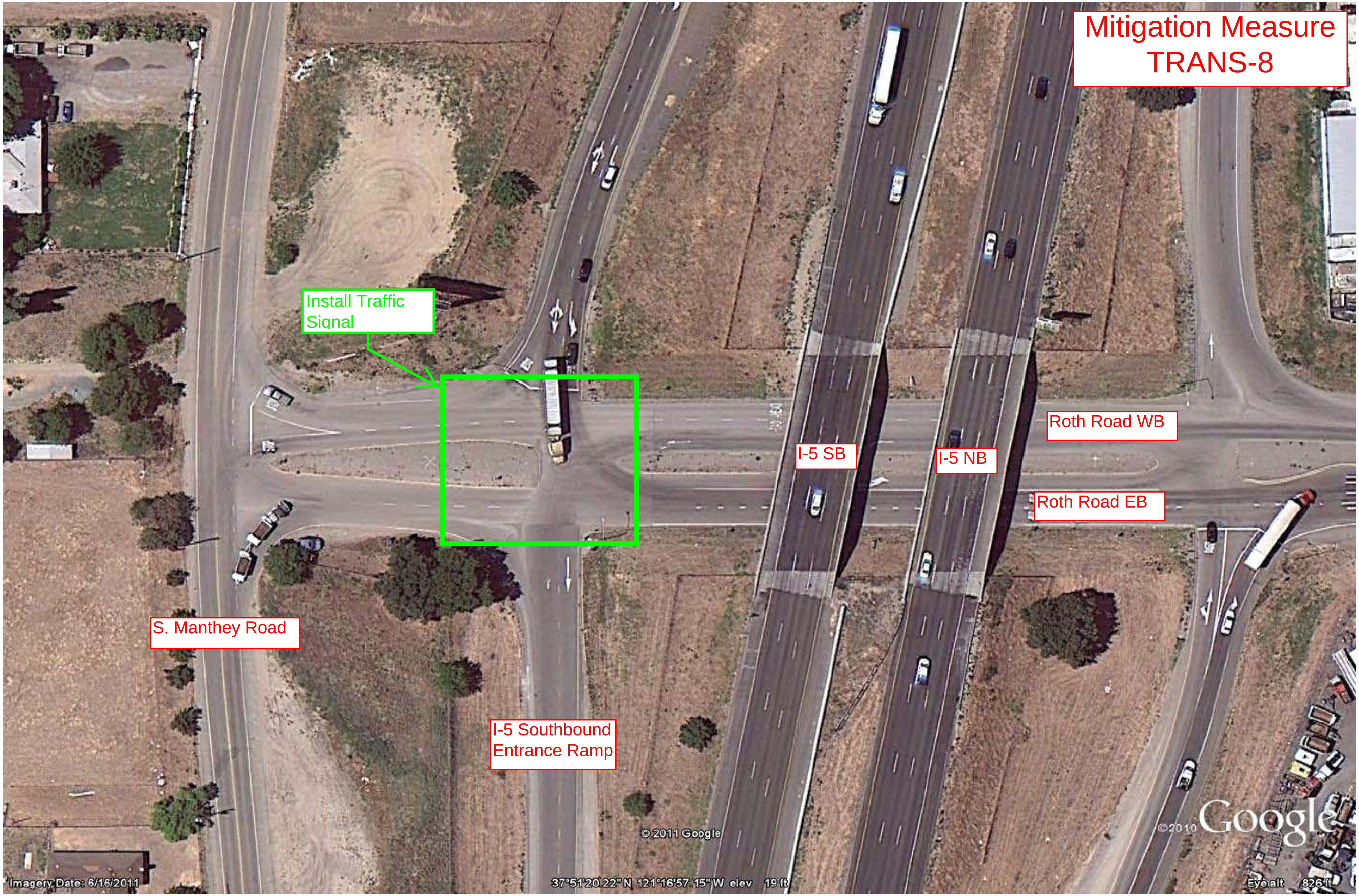
FROM: Levi J. Turner, P.E.

TO: Amy Skewes-Cox, AICP

SUBJECT: Union Pacific Lathrop Intermodal Expansion Planning Level Cost Estimates for Transportation Mitigation Measures 8, 9, 10, 15, 16, and 17

In connection with the Union Pacific Railroad's proposed Lathrop Intermodal Facility Expansion Project, David Evans & Associates has prepared the attached planning-level sketches and cost estimates for Mitigation Measures TRANS-8, -9, -10, -15, -16, and -17. These estimates are intended for general planning purposes only, and as such, are subject to change based on final engineering design. The estimates are intended to account for the major construction and design items associated with the implementation of each Mitigation Measure using industry standard planning level costs. In addition, a large contingency was applied to account for other cost items that will be determined through detailed engineering design.

Attached to each planning-level estimate is a sketch depicting a graphical representation of the Mitigation Measures, as described in the text of the Environmental Impact Report. The sketches are provided for purposes of clarity only, and are not design drawings.

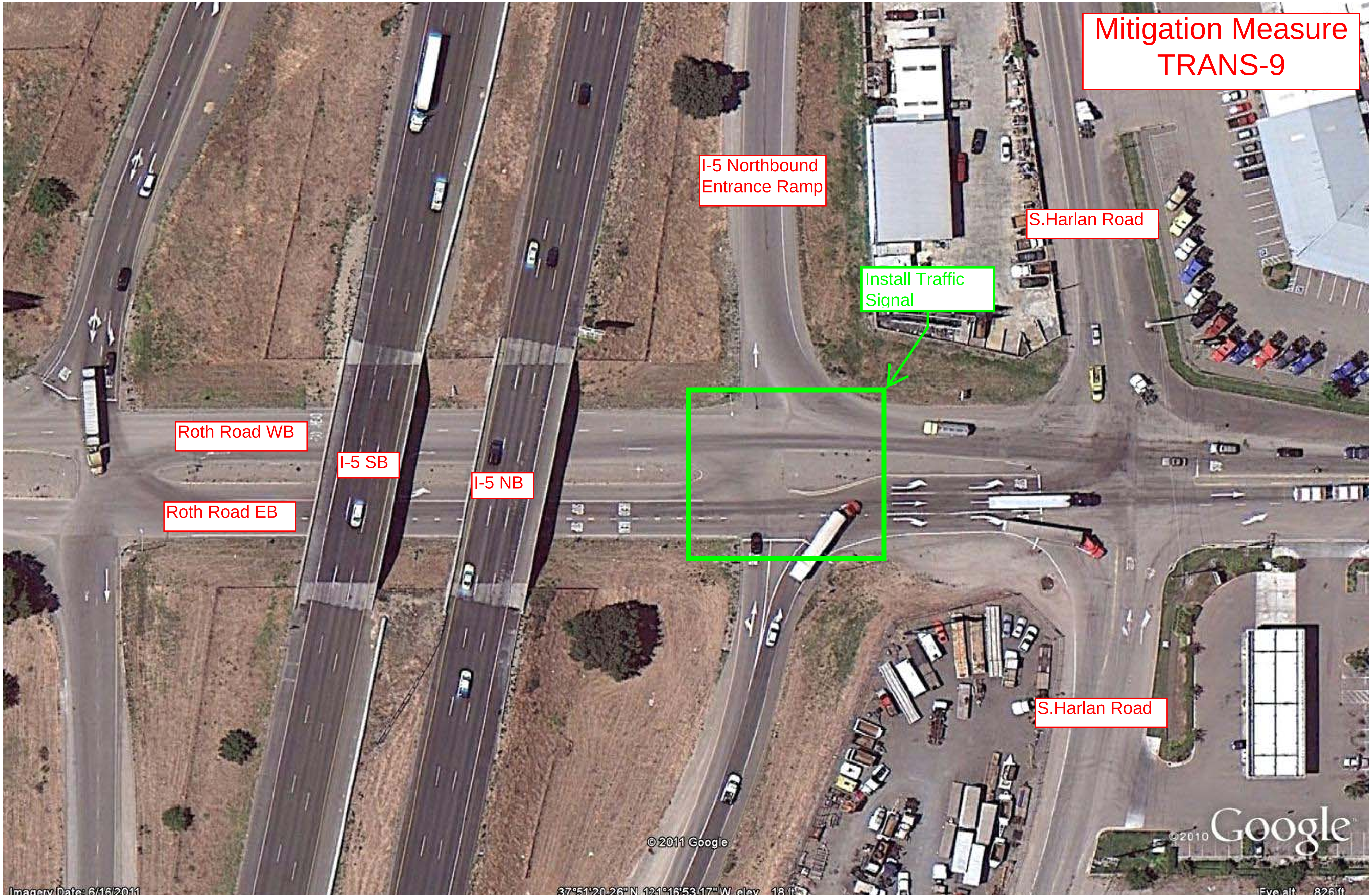

Mitigation Measure
TRANS-8
Install Traffic
Signal
Roth Road WB
I-5 SB
I-5 NB
Roth Road EB
S. Manthey Road
I-5 Southbound
Entrance Ramp
© 2011 Google
©2010 Google
Imagery Date: 6/16/2011
37°51'20.22" N 121°16'57.15" W elev 19 ft
Eye alt 826 ft

TRANS-8 - EOPC
Prepared by: David Evans & Associates
Date: 8/28/2012

Engineer's Opinion of Probable Cost - Conceptual Design Level - Traffic Signal Installation At Intersection Of Roth Road ans I-5 Southbound Ramps.

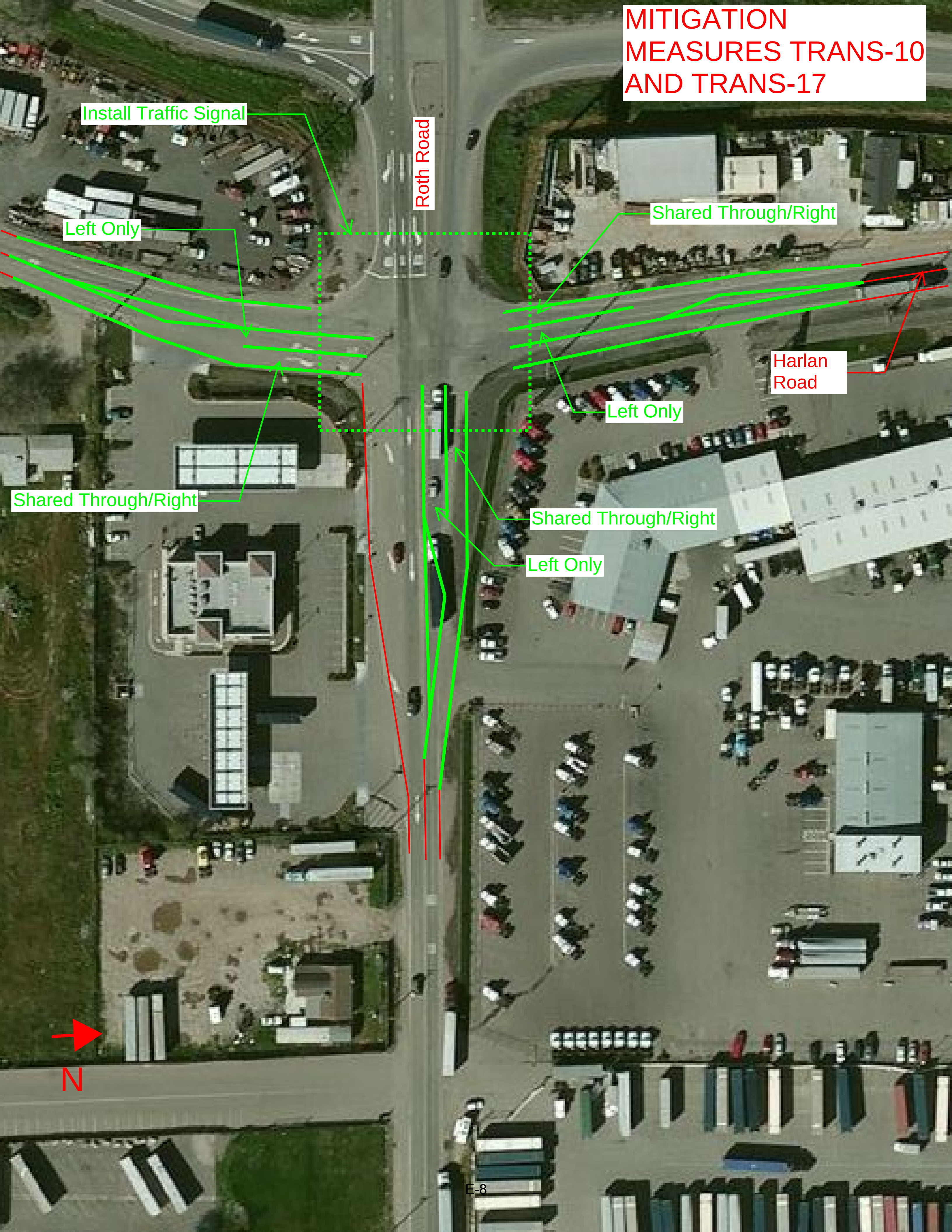
Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
1.00	**GENERAL**					
1.01	MOBILIZATION	1	LS	$ 20,000.00	$ 20,000.00	
	Subtotal					$ 20,000.00
2.00	**TRAFFIC SIGNAL AND INTERCONNECT**					
2.01	INTERSECTION TRAFFIC SIGNAL	1	LS	$ 200,000.00	$ 200,000.00	
	Subtotal					$ 200,000.00
	Construction Subtotal					$ 220,000.00
	Contingency (30%)					$ 66,000.00
	Engineering Costs (10%)					$ 22,000.00
	Environmental & Permitting (12%)					$ 26,400.00
	TOTAL					**$ 334,400.00**

Assumptions:
ITEM 2.01 "INTERSECTION TRAFFIC SIGNAL" includes foundations, poles, signal heads, controller, cables, loop detectors and conduit for the entire intersection.


Mitigation Measure
TRANS-9
I-5 Northbound
Entrance Ramp
S.Harlan Road
Install Traffic
Signal
Roth Road WB
I-5 SB
I-5 NB
Roth Road EB
S.Harlan Road
© 2011 Google
©2010 Google
Imagery Date: 6/16/2011
37°51'20.26" N 121°16'53.17" W elev 18 ft
Eye alt 826 ft

TRANS-9 - EOPC Prepared by: David Evans & Associates Date: 8/28/2012						
Engineer's Opinion of Probable Cost - Conceptual Design Level - Traffic Signal Installation At Intersection Of Roth Road ans I-5 Northbound Ramp.						
Item No.	**Item Description**	**Quantity**	**Unit**	**Unit Cost**	**Total Cost**	**Subtotal**
1.00	**GENERAL**					
1.01	MOBILIZATION	1	LS	$ 20,000.00	$ 20,000.00	
	Subtotal					$ 20,000.00
2.00	**TRAFFIC SIGNAL AND INTERCONNECT**					
2.01	INTERSECTION TRAFFIC SIGNAL	1	LS	$ 200,000.00	$ 200,000.00	
	Subtotal					$ 200,000.00
	Construction Subtotal					$ 220,000.00
	Contingency (30%)					$ 66,000.00
	Engineering Costs (10%)					$ 22,000.00
	Environmental & Permitting (12%)					$ 26,400.00
	TOTAL					**$ 334,400.00**

Assumptions:
ITEM 2.01 "INTERSECTION TRAFFIC SIGNAL" includes foundations, poles, signal heads, controller, cables, loop detectors and conduit for the entire intersection.

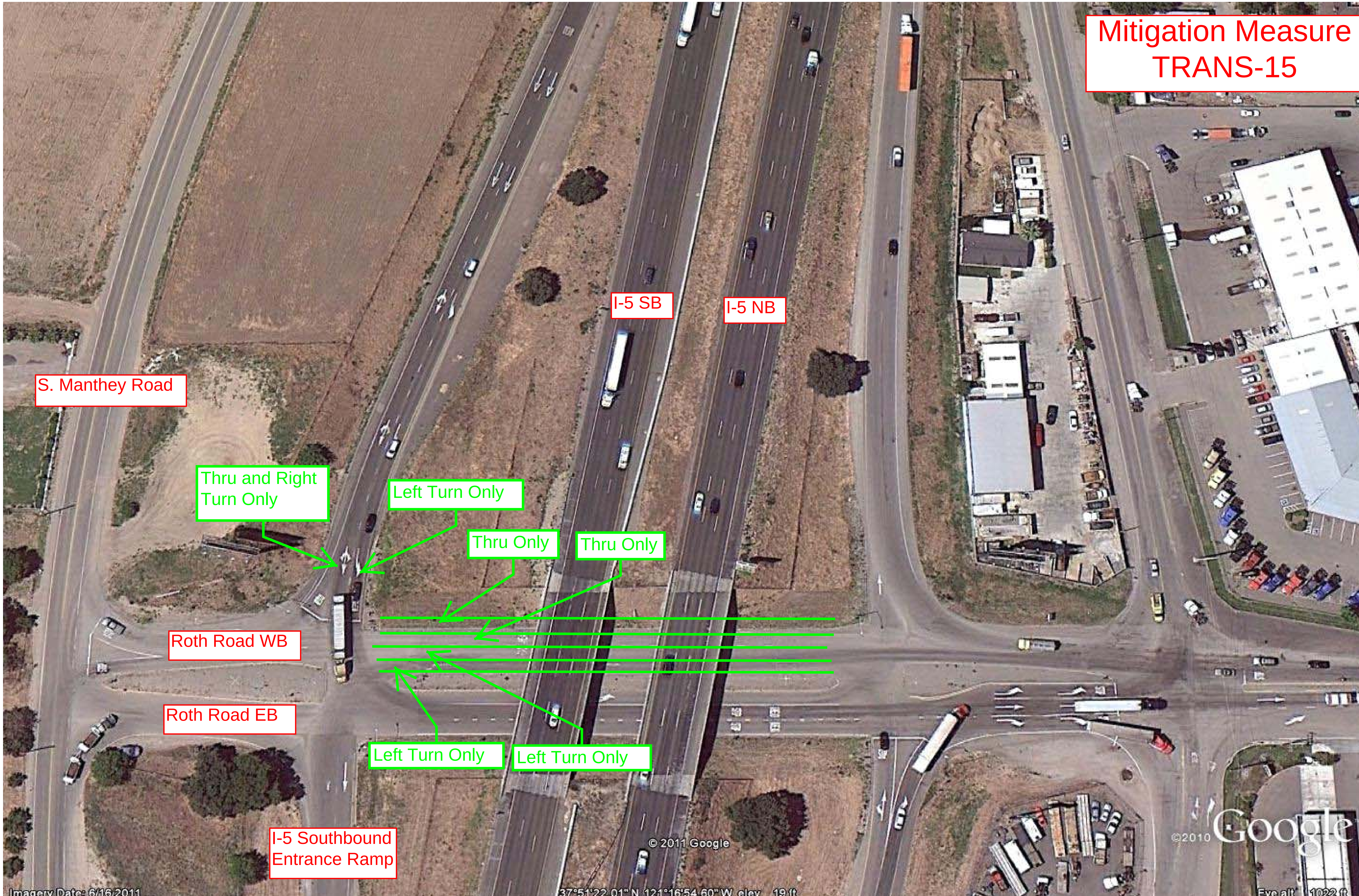

MITIGATION
MEASURES TRANS-10
AND TRANS-17
Install Traffic Signal
Roth Road
Left Only
Shared Through/Right
Left Only
Shared Through/Right
Harlan
Road
Left Only
Shared Through/Right
Left Only
Shared Through/Right
N

TRANS-10 & 17 - EOPC
Prepared by: David Evans and Associates
Date: 8/28/2012

Engineer's Opinion of Probable Cost - Conceptual Design Level - Northbound I-5 Freeway widening between Lathrop Road and Roth Road

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
1.00	**GENERAL**					
1.01	MOBILIZATION	1	LS	$ 56,500.00	$ 56,500.00	
	Subtotal					$ 56,500.00
2.00	**ROADWAY**					
2.01	ADDITIONAL 12-FT TRAVEL LANE	1,000	FT	$ 120.00	$ 120,000.00	
2.02	INTERSECTION TRAFFIC SIGNAL	1	LS	$ 200,000.00	$ 200,000.00	
2.03	DRAINAGE	1	LS	$ 50,000.00	$ 50,000.00	
2.04	SIGNAGE & STRIPING	1	LS	$ 20,000.00	$ 20,000.00	
2.05	LIGHTING	1	LS	$ 50,000.00	$ 50,000.00	
2.06	UTILITY RELOCATION	1	LS	$ 100,000.00	$ 100,000.00	
2.07	TRAFFIC CONTROL	1	LS	$ 25,000.00	$ 25,000.00	
	Subtotal					$ 565,000.00
	Construction Subtotal					$ 621,500.00
	Contingency (30%)					$ 186,450.00
	Engineering Costs (10%)					$ 62,150.00
	Environmental & Permitting (12%)					$ 74,580.00
	TOTAL					**$ 944,680.00**

Assumptions:
Pavement Removal, Excavation, Subgrade Preparation, Aggregate Base, and Asphalt Concrete are included in "ITEM 2.01 ADDITIONAL 12-FT TRAVEL LANE"


Mitigation Measure
TRANS-15
I-5 SB
I-5 NB
S. Manthey Road
Thru and Right
Turn Only
Left Turn Only
Thru Only
Thru Only
Roth Road WB
Roth Road EB
Left Turn Only
Left Turn Only
I-5 Southbound
Entrance Ramp
© 2011 Google
©2010 Google
Imagery Date: 6/16/2011
37°51'22.01" N 121°16'54.60" W elev 19 ft
Eye alt 1022 ft

TRANS-15 - EOPC
Prepared by: David Evans and Associates
Date: 8/28/2012

Engineer's Opinion of Probable Cost - Conceptual Design Level - Intesection of Roth Road and I-5 Southbound Ramp Improvements

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost	Subtotal
1.00	**GENERAL**					
1.01	MOBILIZATION	1	LS	$ 55,000.00	$ 55,000.00	
	Subtotal					$ 55,000.00
2.00	**ROADWAY**					
2.01	12-FT TRAVEL LANE	1	LS	$ 100,000.00	$ 100,000.00	
2.02	MSE WALL (150' Long x 6' High)	900	SF	$ 200.00	$ 180,000.00	
2.03	DRAINAGE	1	LS	$ 100,000.00	$ 100,000.00	
2.04	SIGNAGE	1	LS	$ 20,000.00	$ 20,000.00	
2.05	LIGHTING (1 Lightpole Relocation)	1	LS	$ 50,000.00	$ 50,000.00	
2.06	MAINTENANCE OF TRAFFIC	1	LS	$ 150,000.00	$ 150,000.00	
	Subtotal					$ 600,000.00
	Construction Subtotal					$ 655,000.00
	Contingency (30%)					$ 196,500.00
	Engineering Costs (25%)					$ 163,750.00
	Environmental & Permitting (12%)					$ 78,600.00
	TOTAL					**$ 1,093,850.00**

Assumptions:
Pavement Removal, Excavation, Utility Adjustment, Subgrade Preparation, Aggregate Base, Asphalt Concrete, and Striping are all included in "ITEM 2.01 12-FT TRAVEL LANE"
To widen Roth Road, the slope protection for the north abutment of the NB and SB I-5 overpass will be cut and held back with a MSE Wall.
Widening of Roth Road will not impact the concrete median along Roth Road.
Maximum limit of Roth Road WB widening will be contained to the I-5 NB entrance ramp on the East, and the I-5 SB exit ramp on the West.
No right-of-way acquisition required to widen Roth Road WB.