

Final Environmental Impact Report

Ethanac Logistics Center
SCH No. 2023090525

Prepared for the Lead Agency
Perris
101 N. "D" Street
Perris, CA 92570



May 2024



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Final Environmental Impact Report

Ethanac Logistics Center

(Case No.'s PLN22-05326, PLN22-05327, PLN22-05328, DPR 22-00030)

SCH No. 2023090525



Lead Agency:

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1.0 Introduction

The Final Environmental Impact Report (Final EIR or FEIR) for the proposed Ethanac Logistics Center (Project), as required pursuant to the Guidelines for Implementation of the California Environmental Quality Act (State CEQA Guidelines) Sections 15089 and 15132, includes the Draft Environmental Impact Report (Draft EIR); a list of public agencies, organizations, and interested parties commenting on the Draft EIR; the comments received on the Draft EIR and the responses of the lead agency, which is the City of Perris (City) for this Project, to significant environmental points raised in the review and consultation process; errata to the Draft EIR; and a Mitigation Monitoring and Reporting Program (MMRP) to ensure compliance during Project implementation (Public Resources Code Section 21081.6, State CEQA Guidelines Section 15097).

1.1 Information Added Following Distribution of the Draft EIR

The information added following distribution of the Draft EIR does not constitute “significant new information” that would require recirculation of the Draft EIR pursuant to State CEQA Guidelines Section 15088.5 because this information does not change the Draft EIR analysis and conclusions regarding Project impacts and/or mitigation measures such that new or more severe environmental impacts result from the Project. The information is added as a result of comments received from commenting parties, changes in the existing conditions at the site, revised public policies since the Draft EIR was written, and/or minor corrections or clarifications. The additional information merely “clarifies or amplifies or makes insignificant modifications” to the Draft EIR, as is permitted by State CEQA Guidelines Section 15088.5(b).

1.2 Relationship to the Draft EIR

Minor changes that clarify or update information in the Draft EIR appear as revised pages in the EIR Errata/Draft EIR Revisions section which follows herein. The Draft EIR considered by the City, as lead agency, has been edited to reflect corrections and responses to comments raised.

1.3 Public Review Summary

The EIR process for this Project consists of three parts: the Initial Study/Notice of Preparation (IS/NOP), Draft EIR, and Final EIR.

Initial Study/Notice of Preparation

The City distributed the IS/NOP on September 22, 2023 to responsible agencies, local governments, and interested parties from the general public. Pursuant to State CEQA Guidelines Section 15082, recipients of the IS/NOP were requested to provide responses within 30 days upon receipt. The IS/NOP and comments received are included in the Draft EIR – Appendix A.

Draft EIR

The City circulated the Draft EIR for the Project for a 45-day public review period from February 16, 2024 through April 1, 2024 to responsible agencies, trustee agencies, and other interested parties (including adjacent property owners) for review and comment. A Notice of Completion was also circulated to the State Clearinghouse (the Governor’s Office of Planning and Research).

A general public Notice of Availability of the Draft EIR was also provided by publication in *The Perris Progress* newspaper on February 16, 2024. As required by Public Resources Code Section 21092.3, a copy of the public notice was posted with the Riverside County Clerk on February 16, 2024.

As provided in the public notice and in accordance with Public Resources Code Section 21091(d), the City accepted written comments through April 1, 2024.

Final EIR

This Final EIR presents the environmental information and analyses that have been prepared for the proposed Project, including comments received addressing the adequacy of the Draft EIR and responses to those comments. As required by CEQA, this document responds to all written comments received during the 45-day comment period. Following the close of the CEQA public review period, the City received one comment letter from an interested group regarding the Draft EIR. The City has elected to provide a response to this late comment letter within the Final EIR. The responses to comments in conjunction with the Draft EIR, constitute the Final EIR for the proposed Project.

A copy of the comment letters submitted in response to the Draft EIR is presented in *Section 2.0 - Responses to Comments* of this document. These comments were reviewed, and revisions were incorporated into the Draft EIR where appropriate. Requirements for the preparation and disposition of the Response to Comments are provided for in Public Resources Code - Section 21092.5 and CEQA Guidelines Section 15088. In addition to the responses to comments, clarifications, corrections, or minor revisions have been made to the Draft EIR and are included *Section 3.0 - Draft EIR Revisions/Errata* of this Final EIR. The Final EIR, in combination with the Draft EIR and the MMRP (which is included as *Section 4.0* of this Final EIR), will be used by the City of Perris City Council in its decision-making process for this Project.

1.4 Organization and Scope of the Final EIR

This document is organized as follows:

Section 1.0 – Introduction: Provides an overview of the EIR process to date and the required contents of the Final EIR.

Section 2.0 – Response to Comments: Provides a list of commenters, copies of the written comments on the Draft EIR (coded for reference), and the City’s responses to those comments.

Section 3.0 – Draft EIR Revisions/Errata: Consists of the revisions to the Draft EIR as a result of response to comments as well as minor edits and clarifications that do not change the intent or content of the analysis or conclusions regarding the level of significance of impacts, nor alter mitigation measures in their effectiveness to reduce impacts.

Section 4.0 – Mitigation Monitoring and Reporting Program: This section contains a matrix identifying each mitigation measure, timing of the mitigation measure, the responsible party, the action to indicate compliance, and verification of compliance.

2.0 Response to Comments

2.1 Introduction

Pursuant to State CEQA Guidelines Section 15088, the responses to comments presented in this section address specific, relevant comments on environmental issues raised in the comment letters submitted in response to the Draft EIR. All of the comment letters received by the City of Perris during the public review period for the Draft EIR, along with one comment letter that was received after the public review period, are included in this section. Each comment letter is followed by the City's responses to each of the individual comments. In accordance with the provisions of Public Resources Code Section 21092.5, the City has provided a written response to each commenting public agency no less than 10 days prior to the proposed Final EIR certification date.

2.2 List of Commenters

Table 2.0-A, List of Commenters below, provides a list of the commenters who submitted comments on the Draft EIR. This table identifies the comment letters that were received during the public review period, as well as comment letters that were received after the public review comment period of the Draft EIR. The date of comment letters received after the public review period are identified based on the date of receipt of the comment.

Table 2.0-A, Comments Received During Public Review Period

Comment Letter	Name/Agency	Date
Comments Received During Public Review Period		
A	SoCal Gas	February 28, 2024
B	CAL Fire – Riverside Unit/Riverside County Fire Department	March 4, 2024
C	Riverside Transit Agency	March 8, 2024
D	City of Menifee – Planning Department	March 14, 2024
D1	City of Menifee – Public Works/Engineering Department	March 14, 2024
E	Agua Caliente Band of Cahuilla Indians	March 19, 2024
F	Riverside County Flood Control and Water Conservation District	March 27, 2024
G	South Coast Air Quality Management District	March 29, 2024
Comments Received After Public Review Period		
H	Advocates for the Environment	April 8, 2024

2.3 Comments and Responses

State CEQA Guidelines Section 15088 requires that lead agencies evaluate all comments on environmental issues received on the Draft EIR and prepare a written response. The written response must address the environmental issue(s) raised and provide a detailed response. Lead agencies are

required to respond to comments raising significant environmental issues received during the noticed comment period and any extensions and may respond to late comments. A general response may be appropriate when a comment does not contain or specifically refer to readily available information or does not explain the relevance of evidence submitted with the comment.

State CEQA Guidelines Section 15204 recommends that commenters provide detailed comments that focus on the sufficiency of the Draft EIR in identifying and analyzing the possible impacts on the environment and ways in which the significant effects of the project might be avoided or mitigated. State CEQA Guidelines Section 15204 also notes that commenters should provide an explanation and evidence supporting their comments. Furthermore, CEQA does not require lead agencies to conduct every test or perform all research, study, and experimentation recommended or demanded by commenters. When responding to comments, lead agencies need only respond to significant environmental issues and do not need to provide all information requested by reviewers, as long as a good faith effort at full disclosure is made in the EIR. Pursuant to State CEQA Guidelines Section 15064, an effect shall not be considered significant in the absence of substantial evidence.

State CEQA Guidelines Section 15088 also recommends that where the response to comments results in revisions to the Draft EIR, those revisions should be noted as a revision to the Draft EIR or in a separate section of the Final EIR. Any revisions identified in the responses to comments below are summarized in *Section 4.0 – Errata* of this Final EIR.

Written comments on the Draft EIR are reproduced on the following pages, along with the City's responses to those comments. To assist in referencing comments and responses, the comment letters are coded using letters (e.g., Comment Letter A) and each issue raised in the comment letter is assigned a number that correlates with the letter (e.g. A-1, A-2, A-3, etc.). Comment-initiated text revisions to the Draft EIR are compiled in their entirety and are demarcated with revision marks in *Section 4.0 - Errata*, of this Final EIR.

2.3.1 Comment Letter A – Southern California Gas Company

Comment letter A commences on the next page.

From: Liao, William <WLiao@socalgas.com>
Sent: Wednesday, February 28, 2024 8:04 AM
To: Nathan Perez <NPerez@cityofperris.org>
Cc: SCG SE Region Redlands Utility Request <SCGSERegionRedlandsUtilityRequest@semprautilities.com>;
Wildey, Paul L. <PWildey@socalgas.com>
Subject: FW: Ethanac Logistics Center Project

Hi Nathan.

I just reviewed the package for the proposed Ethanac Logistics Center Project.

We have two High-Pressure Supply Lines in the immediate area, specifically on Sherman and on Ethanac. We also have several medium pressure mains on all three surrounding streets.

Please help us ensure everyone's safety and have the Developer contact 811 / DigAlert prior to any excavation / demolition activities so we can get out to Locate & Mark to verify.

Also, if the Developer needs new gas service, please have them reach out to our Builder Services group to begin the application process as soon as practicable, at <https://www.socalgas.com/for-your-business/builder-services>.

Please let me know if you have any questions.

Will Liao
Region Planning Supervisor
East Region
Redlands HQ / Southe
Mobile: 840-213-5899

A -1

Response to Comment Letter A – Southern California Gas Company

Response to Comment A-1:

This comment, regarding the location of High-Pressure Supply Lines within the Project area in Sherman Road and Ethanac Road as well as medium pressure lines within all streets adjacent to Project site is noted. Gas lines are discussed in *Section 1.5.5 – Utilities* and *Section 3.5.5 – Utilities* on pages 1.0-30 and 3.0-30 of the Draft EIR, respectively.

The commenter requests that they be contacted by the developer prior to any excavation to locate and mark the High-Pressure Supply Lines. In response to this request, *Section 5.11 – Utilities and Service Systems* has been modified. The analysis under ***Threshold A: Would the Project require or result in the relocation or construction of new or expanded water wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects*** in *Section 5.11.7 – Environmental Impacts*, will be clarified and the following text has been added and modified on page 5.11-6 of the Draft EIR as such:

As previously indicated in *Section 5.11* above, the Initial Study determined that Project would result in a less than significant impact to water, sewer, electric, natural gas, and telecommunication facilities~~se~~. Wet and dry utilities installed as part of the proposed Project would be installed on-site and off-site consistent with the requirements of the respective utility providers, and consistent with final plans approved by the utility providers. Hence, these utilities will not be further analyzed in accordance with *State CEQA Guidelines* Section 15128.

This comment does not question the contents or conclusions of the Draft EIR. Therefore, no further analysis is required.

2.3.2 Comment Letter B – CALFIRE/Riverside Unit Riverside County Fire Department

Comment letter B commences on the next page.



CAL FIRE – RIVERSIDE UNIT RIVERSIDE COUNTY FIRE DEPARTMENT

BILL WEISER - FIRE CHIEF
Office of the County Fire Marshal
4080 Lemon Street, 10th Floor, Riverside, CA 92501
(951) 955-4777 www.rvcfire.org

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DISTRICT 5

March 4, 2024

City of Perris
101 N D ST
Perris, CA 92570

Albert A. Webb Associates
3788 McCray Street
Riverside, CA 92506

Re: FPEIR2400003 Ethanac Logistics Center

The Fire Planning Division within the Riverside County Fire Department assesses proposed developments across the jurisdiction of the department's service areas. Our evaluation focuses on ensuring compliance with departmental standards, considering factors such as response times, existing fire station locations, equipment availability, and the anticipated impact on service requests resulting from these proposed developments.

The Riverside County Fire Department provides cooperated integrated regional fire protection services within the County of Riverside and partner cities. The three closest Riverside County Fire Department (and partner city) Fire Stations by response times are as follows:

Fire Station 07 – 28394 Trisha Way Riverside, CA. It is approximately 4.40 minutes away.

Fire Station 54 – 25730 Sultanas Rd. Homeland, CA. It is approximately 6.17 minutes away.

Fire Station 101 -105 S. F Street Perris, CA. It is approximately 6.98 minutes away.

Below are the specific corrections imposed upon the current review and submittal:

Unacceptable Fire Response Time

Riverside County Fire Department provides cooperative integrated regional fire protection services to the project area. The nearest Riverside County Fire Station is outside the acceptable response travel time to all or a portion of the project. It is recommended that these issues be discussed with the fire department operations staff to ensure that all hazards are mitigated, and response needs are met.

B-1

B-2

Draft EIR Corrections

The draft EIR that was provided for review by the Fire Planning Division does not reflect impacts to the fire department response times. Please see the pages below that need to be corrected to reflect significant impacts to the fire department response times. Please see the project response times above for your reference. Please submit the revised EIR to fire for review at rvclanningsubmittals@fire.ca.gov.

B-3

If we can be of further assistance, please feel free to contact the Riverside County Fire Department, Office of the Fire Marshal, Fire Planning Division at (951) 955-4777 or rvcfireplanning@fire.ca.gov.

B-4

Respectfully,

Steven Gonzalez

Fire Safety Specialist
Fire Planning Division

Response to Comment Letter B – CALFIRE/Riverside Unit Riverside County Fire Department

Response to Comment B-1:

This comment highlights the Riverside County Fire Department (RCFD)'s role followed by additional information regarding the nearest Fire Stations to the Project site. This topic was analyzed in the Initial Study. The Initial Study and a Notice of Preparation for the Draft EIR were distributed to the State Clearinghouse, responsible agencies, and other interested parties via overnight and mail delivery pursuant to Section 15082 of the State CEQA Guidelines. The public review period for the Initial Study/Notice of Preparation began on September 22, 2023 and ended on October 23, 2023. Additionally, a notice advising on the availability of the Notice of Preparation was posted by the Riverside County Clerk on September 22, 2023 and was posted in the *Perris Progress* on October 23, 2023. (DEIR, p. 2.0-3). A summary of the Initial Study is included in *Section 4.0 – Environmental Effects Found Not to be Significant* of the Draft EIR and a copy of the Initial Study was included as Appendix A of the Draft EIR.

In response to this comment, *Section 4.0 – Environmental Effects Found Not to be Significant* has been modified. Specifically, *Section 4.1.12 – Public Services* has been modified to include Fire Station 54 and clarify the address for Fire Station 9 on page 4.0-15 as follows:

Substantial Adverse Physical Impacts to Fire Protection

Fire protection is provided to the City by the Riverside County Fire Department. The fire stations closest to the Project site are: 1) Fire Station 101- City of Perris Battalion 1 located approximately 3.7 miles northwest from the Project site at 105 S. "F" Street; and 2) Fire Station 9 – Goodmeadow Battalion 1 located approximately 5.9 miles west from the Project site at 21565 Steele Peak Drive-Road and 3) Fire Station 54 – located 3.17 miles east from the Project site at 25730 Sultanas Road. (GE, GP SE, p. 21). The Project would be required to comply with the City's Perris Municipal Code (PMC) Section 19.68.020 which establishes a developer impact fee to mitigate the cost of public facilities needed to offset the impact of developing new facilities to support fire services. Thus, through payment of Developer Impact Fees (DIF), the Project would not result in substantial physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities; the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for fire protection. Therefore, potential impacts would be less than significant. (Initial Study, p. 92)

This comment includes Fire Station 7 as one of the three closest fire stations, but this appears to have been noted in error as this station is located approximately 14.4 miles northwest from the Project site.

The above clarification of the location of fire stations does not constitute significant new information that would require recirculation of the Draft EIR pursuant to State CEQA Guidelines Section 15088.5. No new environmental issues are raised by this comment and no further analysis is required.

Response to Comment B-2:

This comment indicates that the Project site is located outside the acceptable response travel time from the nearest RCFD Station. As noted in *Response to Comment B-1* above, this topic was analyzed in the Initial Study and summarized in *Section 4.0 – Environmental Effects Found Not to be Significant* in the Draft EIR. As stated in *Section 4.1.12 – Public Services* of the Draft EIR, “The Project would be required to comply with the City’s Perris Municipal Code (PMC) Section 19.68.020 which establishes a developer impact fee to mitigate the cost of public facilities needed to offset the impact of developing new facilities to support fire services. Thus, through payment of Developer Impact Fees (DIF), the Project would not result in substantial physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities; the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for fire protection. Therefore, potential impacts would be less than significant.” (DEIR, p. 4.0-15)

The Perris General Plan Safety Element (2021) identifies that the City contracts fire protection through RCFD/CalFire and that RCFD’s *Strategic Plan 2009-2029* outlines how the department maintains adequate personnel and services throughout its areas of responsibility including Perris. The RCFD’s *Strategic Plan* identifies Fire Station Location Methodology and notes that one of the guiding principles for locating fire stations includes consideration of the National Fire Protection Association (NFPA) Standard 1710 as a guideline, which calls for an engine company within four minutes of travel time to fire incidents.¹ (RCFD, p. 37)

Based on response times provided in *Comment B-1* above, the location of nearest stations may exceed response times under the NFPA Standard 1710. However, the Perris General Plan Draft EIR states that, “...locations and target dates for development of fire stations will not be identified until a sufficient amount of impact fees are collected and sufficient development has occurred within a fire facility service area to warrant property acquisition and facility development.” (GP DEIR, p, IV-89). The Perris Municipal Code Section 19.68.020 establishes fees in order to mitigate the impact of new development in support of fire services. Because the proposed Project applicant would be required to pay development impact fees in accordance with Perris Municipal Code Section 19.68.020, potential impacts would be less than significant.

This comment does not provide information that changes the environmental analysis or conclusions of the Draft EIR. As such, no new environmental issues are raised by this comment and no further analysis is required.

Response to Comment B-3:

This comment indicates that the Draft EIR does not reflect impacts to the fire department response times and that the RCFD Planning Division has provided edits and corrections to pages of the Draft EIR. However, no additional attachments or documents were provided. Regardless, to address the entirety of

1. RCFD, Riverside County Fire Department, *Strategic Plan 2009-2029*, November 2009. (Available at <https://www.rvcfire.org/pdf/strategic-planning/StrategicPlan2009.pdf?v=2232>, accessed on March 27, 2024).

the comment letter, *Section 4.0 – Environmental Effects Found Not to be Significant* of the Draft EIR has been modified. Specifically, *Section 4.1.12 – Public Services* has been further modified to include a discussion regarding fire response times on page 4.0-15 as follows:

Substantial Adverse Physical Impacts to Fire Protection

Fire protection is provided to the City by the Riverside County Fire Department (RCFD)/CalFire with whom services are contracted. The RCFD's *Strategic Plan 2009-2029*, outlines how adequate personnel and services are maintained throughout RCFD/CalFire's areas of responsibility, including Perris. (GE, GP SE, p. 21). The *Strategic Plan* identifies Fire Station Location Methodology and notes that one of the guiding principles for locating fire stations include consideration of the National Fire Protection Association (NFPA) Standard 1710 as a guideline, which calls for an engine company within four minutes of travel time to fire incidents.¹ (RCFD, p. 37)

The fire stations closest to the Project site and their projected response time in minutes as provided by RCFD/CalFire are: 1) Fire Station 101- City of Perris Battalion 1 located approximately 3.7 miles northwest from the Project site at 105 S. "F" Street (6.98 minutes); and 2) Fire Station 9 – Goodmeadow Battalion 1 located approximately 5.9 miles west from the Project site at 21565 Steele Peak Drive Road and 3) Fire Station 54 – located 3.17 miles east from the Project site at 25730 Sultanas Road (6.17 minutes). (GE, GP SE, p. 21).

Based on RCFD/CalFire's projected response times, the location of nearest stations may exceed response times under the NFPA Standard 1710. However, the City of Perris General Plan Draft EIR states that "...locations and target dates for development of fire stations will not be identified until a sufficient amount of impact fees are collected and sufficient development has occurred within a fire facility service area to warrant property acquisition and facility development." (GP DEIR, p. IV-89).

The Project would be required to comply with the City's Perris Municipal Code Section 19.68.020 which establishes a developer impact fee to mitigate the cost of public facilities needed to offset the impact of developing new facilities to support fire services. Thus, through payment of Developer Impact Fees (DIF), the Project would not result in substantial physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities; the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for fire protection. Therefore, potential impacts would be less than significant. (Initial Study, p. 92)

The above clarification of the location of fire stations and the Perris Municipal Code regarding development impact fees for public facilities does not constitute significant new information that would require recirculation of the Draft EIR pursuant to State CEQA Guidelines Section 15088.5. No new environmental issues are raised by this comment and no further analysis is required.

Response to Comment B-4:

This comment does not question the contents or conclusions of the Draft EIR. Therefore, no further analysis is required.

2.3.3 Comment Letter C – Riverside Transit Agency

Comment letter C commences on the next page.

From: Mauricio Alvarez <malvarez@riversidetransit.com>
Sent: Friday, March 8, 2024 8:02 AM
To: Nathan Perez <NPerez@cityofperris.org>
Subject: Ethanac Logistics Center Project

Good Morning Nathan,

Thank you for including RTA in the development review of the Ethanac Logistics Center Project. After reviewing the plans, the recommendation would be to incorporate an ADA compliant bus turnout on the northwest corner of Ethanac and Sherman Rd. The plans state that the Ethanac & Sherman intersection would be signalized, so it would be ideal that it coincides with this project.

Thank you for considering this comment.

Mauricio Alvarez, MBA

Planning Analyst
Riverside Transit Agency
p: 951.565.5260 | e: malvarez@riversidetransit.com
[Website](#) | [Facebook](#) | [Twitter](#) | [Instagram](#)
1825 Third Street, Riverside, CA 92507

C-1

Response to Comment Letter C – Riverside Transit Agency

Response to Comment C-1:

This comment, which does not raise any environmental issue, is noted. The comment provides recommendations from the Riverside Transit Agency (RTA) regarding installation of an Americans with Disabilities Act compliant bus turnout on the northwest corner of Ethanac Road and Sherman Road. This recommendation will be considered by the City decision makers during the public hearing process.

This comment does not question the contents or conclusions of the Draft EIR. Therefore, no further analysis is required.

2.3.4 Comment Letter D – City of Menifee – Planning Department

Comment letter D commences on the next page.



29844 Haun Rd. Menifee CA. 92586
(951) 672-6777 | Fax (951) 679-3843
cityofmenifee.us

March 14, 2024

Nathan Perez
Senior Planner
City of Perris, Development Services Department
135 North "D" Street
Perris, CA 92570-2200

RE: City of Perris Project – Notice of Availability (NOA) of the Ethanac Logistics Center Project Draft Environmental Impact Report (Draft EIR) SCH No. 202309525

Dear Mr. Perez,

Thank you for the opportunity to review the Draft Environmental Impact Report (DEIR) for the above project, consisting of merger of ten parcels to create one, approximately 20-gross-acre parcel for development of a 412,348 square-foot high-cube light industrial speculative warehouse building, with 50,000 square feet of cold-refrigerated storage and 15,000 square feet of supporting office operating 24 hours a day seven days a week. The project is located on the north side of Ethanac Road between Trumble Road and Sherman Road adjacent to the City of Menifee. The City of Menifee has reviewed the DEIR for the project and offers the following comments.

- The project DEIR has not adequately analyzed, avoided or mitigated significant environmental impacts resulting from the project, including impacts related to aesthetics, air quality, land use and planning and noise impacts to neighboring properties within the City of Menifee, particularly single-family residents (sensitive receptors) located adjacent to warehouse truck loading and parking areas. The DEIR repeatedly refers to single-family residences located on Sherman Road adjacent to the warehouse project as "non-conforming" appearing to lessen their importance as sensitive receptors. The fact is that, regardless of their non-conforming status, several families living in Menifee, reside directly across the street from where commercial big rig truck parking and loading is proposed to be located for the project. The proposed industrial warehouse project, requires a General Plan Amendment and Change of Zone from Community Commercial to Light Industrial. Because the project requires a change in land use and zoning, it is incompatible with neighboring uses and conflicts with the City of Perris's General Plan goals and policies and Good Neighbor Guidelines. Further, environmental impacts related to the areas discussed below are potentially significant:
- Aesthetics – With respect to light and glare impacts, the DEIR includes Mitigation Measure MM AES-1:

"Prior to issuance of grading permits, the Project developer shall provide evidence to the City of Perris that any temporary nighttime lighting installed for security purposes shall be downward facing and hooded or shielded to prevent security light spillage by one foot candle to surrounding properties outside of the staging area or direct broadcast of security light into the sky."

D-1

D-2

MM AES-1 addresses temporary lighting but makes no mention of permanent operational security lighting. The impacts of permanent operational nighttime lighting/security lighting for the truck loading area (located on the east side of the proposed warehouse building) onto adjacent residential properties is not discussed and no mitigation is provided to specifically address the permanent operational lighting impacts. As a result, significant lighting impacts have not been fully analyzed, mitigated or avoided.

- Air Quality – The Air Quality Analysis of the DEIR discusses health risk impacts to sensitive receptors and results of a Health Risk Assessment prepared for the project. The Health Risk Assessment evaluated exposure to nearby sensitive receptors (the closest sensitive receptor/residence identified as R-3 located on Sherman Road only 57 feet away from the facility). The analysis indicates that the cancer risk for this sensitive receptor is either 2.64 per million or 72 per million. While the study concludes health risk impacts to the less than significant based on the project not exceeding the South Coast Air Quality Management district’s cancer risk threshold of 10 per million, the conflicting numbers of the report (2.64 vs. 72 per million) raises concern regarding which is the correct number and the validity of the study. If 72 per million, this is more than seven times the threshold for health risk impacts and would be a significant impact. Many other residences located on Sherman Road may be slightly further from the facility yet are roughly the same distance away as R-3. Finally, it is not clear how the health risk assessment considers the location and concentration of trucks on the east side of the facility closest to the residents and how that factors into the potential health risk.
- Land Use – As previously stated, the proposed industrial warehouse project requires a General Plan Amendment and Change of Zone from Community Commercial to Light Industrial. Because the project requires a change in land use and zoning to allow an industrial warehouse project with truck loading parking adjacent to single-family residents (sensitive receptors), the project is in conflict with City of Perris General Plan goals and policies and Good Neighbor Guidelines including the following:

The project is inconsistent with Environmental Justice Element policies under Goal 3.1:

- Continue to ensure new development is compatible with the surrounding uses by co-locating compatible uses and using physical barriers, geographic features, roadways, or other infrastructure to separate less compatible uses. When this is not possible, impacts may be mitigated using: noise barriers, building insulation, sound buffers, traffic diversion.
- As part of the development review process, require conditions that promote Good Neighbor Policies for Industrial Development for industrial buildings larger than 100,000 square feet. The conditions shall be aimed at protecting nearby homes, churches, parks, day-care centers, schools, and nursing homes from air pollution, noise lighting, and traffic associated with large warehouses, making them a "good neighbor."

The project is inconsistent with Good Neighbor Guidelines Goals including:

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D-3

D-4

- Goal 1: Protect the neighborhood characteristics of the urban, rural, and suburban communities. The proposed land use change and project design does not protect the neighboring residences from impacts to the neighborhood characteristics associated a large warehouse facility and trucks.
- Goal 2: Minimize exposure of diesel emissions to neighbors that are situated in close proximity to the warehouse/distribution center. The proposed land use change and project design increases instead of minimizing exposure of diesel emissions.
- Goal 3: Eliminate diesel trucks from unnecessary traversing through residential neighborhoods. The proposed land use change and project design increases potential for trucks traversing through residential neighborhoods, instead of eliminating this potential by not supporting the proposed change in land use and maintaining the current land use.
- Goal 4: Provide buffers between warehouses and sensitive receptors. The proposed land use change and project design does not adequately buffer neighboring residences from warehouses, especially given the location truck loading and parking areas situated between the warehouse and sensitive receptors.

The City of Menifee has previously requested the project developer and City of Perris to relocate the truck loading/parking area proposed on the east side of the warehouse building to another location/side of the building where trucks would be further away from and have less impact to adjacent residents, yet this change was not accommodated by the developer or City of Perris. As a result, the land use analysis of the DEIR does not adequately demonstrate consistency with the above policies, the project, as proposed, is in conflict with the above General Plan and Good Neighbor Guideline policies, and impacts related to land use and planning are significant and have not been mitigated to a less than significant level.

- The City of Menifee’s Engineering Department has reviewed the proposed project’s potential impacts on Menifee streets and improvements necessary to address and minimize those impacts. Please refer to attached March 14, 2024 City of Menifee Public Works/Engineering Department comments relating to the traffic analysis.
- Finally, please provide all future environmental notices/documents to the City of Menifee Planning Department for review once they become available.

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We appreciate your consideration of these comments and thank you again for the opportunity to provide comments. We respectfully look forward to discussing these items further prior to the approval of this project. If you have questions, please contact me at 951-723-3744 or by e-mail at ddarnell@cityofmeniffee.us

D-7

Sincerely,

Doug Darnell

Doug Darnell, AICP
Principal Planner

Cc: Cheryl Kitzerow, AICP Community Development Director, City of Meniffee
Nick Fidler, Public Works and Engineering Director, City of Meniffee
Orlando Hernandez, Deputy Community Development Director, City of Meniffee
Alberto Paiva, Deputy Public Works Director/City Engineer, City of Meniffee

Attachment: March 14, 2024 City of Meniffee Public Works/Engineering Department Comments

Response to Comment Letter D – City of Menifee – Planning Department

Response to Comment D-1:

This comment includes a summary of the Project that is consistent with the Project as described in the Draft EIR. This comment also includes the City of Menifee’s general concerns about aesthetics, air quality, land use and planning, and noise impacts to neighboring properties within the City of Menifee.

This comment also includes concerns about how the existing residences located across Sherman Road are referred to as “non-conforming.” The term “legal non-conforming residential use” is both a recognized industry standard urban planning term and a term utilized in the City of Menifee’s Development Code (MDC) Chapter 9.15 to describe an existing use that lawfully existed when created but would not be permitted under current land use regulations. This term is appropriately used throughout the Draft EIR to describe such uses. The City of Menifee’s unsubstantiated allegation that the Draft EIR is intentionally downplaying sensitive receptors is incorrect. As identified on **Figure 3.0-6, Existing General Plan Land Use Designation** and **Figure 3.0-7, Existing Zoning Designations** of the Draft EIR, the area directly east of the Project site located within the City of Menifee has a General Plan Land Use Designation of Business Park and is zoned Business Park/Light Industrial. The area directly south of the Project site within the City of Menifee has General Plan Land Use Designations of Business Park and Commercial Retail and is zoned Commercial Retail and Business Park/Light Industrial. As indicated in **Table 3.0-A, Surrounding Land Uses** of the Draft EIR, the properties to the east of Sherman Road and south of Ethanac Road within the City of Menifee are developed with residential structures. Because these residential uses do not comply with the Menifee General Plan Land Use Designations and zoning, as stated by MDC Chapter 9.15, the existing residences are appropriately and correctly referred to as legal, non-conforming uses in the Draft EIR.

The term “sensitive receptors” is used to describe “...off-site locations where individuals may be exposed to emissions from Project activities. Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as “sensitive receptors.” These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the South Coast Air Quality Management District (AQMD) methodology, the nearest land use to the Project site where an individual could remain for 24 hours has been used to determine construction and operational air quality impacts for emissions of PM₁₀ and PM_{2.5}, since PM₁₀ and PM_{2.5} thresholds are based on a 24-hour averaging time. The closest existing sensitive receptors to the Project site are the existing legal, non-conforming residences across Sherman Road to the east of the site and across Ethanac Road to the south of the Project site, approximately 57 feet (17.37 meters) east and 123 feet (37.49 meters) south of the Project site. Representative receptors in the Project study area are described below and shown on **Figure 5.1-1, Project Health Risk Assessment Receptor Locations**. All distances are measured from the Project site boundary to the outdoor living areas (e.g., backyards) or at the building façade, whichever is closer to the Project site.” (DEIR, p. 5.1-7)

Sensitive receptors can be legal, non-conforming residential uses because these two terms are not mutually exclusive of each other. The Draft EIR appropriately and correctly identified and analyzed the

legal, non-conforming residential uses east and south of the Project site within the City of Menifee and as well as uses directly north of the Project site located within the City of Perris as sensitive receptors.

The analysis regarding potential aesthetic impacts to sensitive receptors is provided within the Initial Study included as Appendix A of the Draft EIR and within *Section 4.0 – Environmental Effects Found Not to be Significant* of the Draft EIR. *Response to Comment D-2* below, addresses commentor's specific concern regarding aesthetics.

Potential air quality impacts to sensitive receptors are discussed in *Section 5.1 – Air Quality* of the Draft EIR (DEIR, pp. 5.1-7, 5.1-8, 5.1-12, 5.1-19 and 5.1-29 – 5.1-42). *Response to Comment D-3* below, addresses Commentor's specific concern regarding air quality.

Potential land use impacts to sensitive receptors are discussed within *Section 5.7 – Land Use and Planning* of the Draft EIR (DEIR, pp. 5.7-4, 5.7-5, 5.7-26 – 5.7-30, Table 5.7-A, *Project Consistency with Perris General Plan 2030 Policies*). *Response to Comment D-4* below, addresses Commentor's specific concern regarding land use.

Potential noise impacts to sensitive receptors are discussed within *Section 5.8 – Noise* of the Draft EIR (DEIR, 5.8-4, 5.8-11 – 5.8-17, 5.8-21 – 5.8-23, 5.8-26 – 5.8-39). Because the Commentor does not provide any specific comments related to noise, specific responses cannot be provided.

This comment further alleges that the proposed Project is not compatible with neighboring uses because it conflicts with the Perris General Plan goals and policies and Good Neighbor Guidelines. *Response to Comment D-4* below, addresses Commentor's concerns regarding perceived conflicts with the Perris General Plan goals and policies and Good Neighbor Guidelines.

This comment does not provide information that changes the environmental analysis or conclusions of the Draft EIR. As such, no new environmental issues are raised by this comment and no further analysis is required.

Response to Comment D-2:

The comment states that mitigation measure **MM AES-1** only addresses construction lighting and should have included mitigation for permanent (operational) lighting. The comment also alleges that the Draft EIR did not fully analyze, mitigate, or avoid impacts from operational lighting. This allegation is incorrect. *Section 4.0 – Environmental Effects Found Not to be Significant* of the Draft EIR provides a summary of topics presented in the Initial Study which was included as Appendix A of the Draft EIR.

The Initial Study provides a complete discussion and analysis of the Project's potential operational lighting impacts. As stated in the Initial Study:

When completed and operational, the proposed Project would add additional exterior building lights and exterior lighting for safety and security purposes within parking lots, along pathways and on buildings. Additionally, the proposed Project site is located within Zone B of Riverside County Ordinance 655 (County of Riverside Ord. 655), or within a 45-mile radius of the Mt. Palomar Observatory requiring low pressure sodium lights under 4050 lumens. All light sources would be shielded so that the light is directed away from streets and adjoining properties as required by City of Perris Municipal Code Section 19.020.110. Because the Project site is

located within Zone B of the Mt. Palomar Observatory, the Project would be required to comply with County of Riverside Ord. 655.

Glare is primarily a daytime occurrence caused by the reflection of sunlight or artificial light by highly polished surfaces such as window glass or reflective materials. Daytime glare is common in urban areas and is typically associated with buildings with exterior facades largely or entirely comprised of highly reflective glass or windshields of parked cars. Glare-sensitive uses include residences, hotels, transportation corridors and aircraft landing corridors. The Project site does have some sensitive residential receptors in the vicinity of the site but glare would be addressed through standard conditions of approval, plan check, permit procedures and design guidelines such as installation of window tinting or other measures that would reduce glare. Thus, with implementation of mitigation measure **MM AES-1**, the Project would not create new sources of light or glare that will adversely affect day or nighttime views in the area. Therefore, impacts would be less than significant with mitigation incorporated and no further evaluation of this topic is required in an ND, MND, or EIR. (Appendix A-IS, pp. 48-49)

Because the Project would be required to comply with Perris Municipal Code Section 19.02.110 - Lighting which requires all lighting, including security lighting, for commercial and industrial parking areas to be directed away from adjoining properties and the public right-of-way, mitigation is not required to reduce potential impacts from operational lighting to less than significant levels. Since operational lighting impacts would be less than significant, no mitigation is necessary. Therefore, it is appropriate that mitigation measure **MM AES-1** does not include measures for operational lighting.

This comment does not provide information that changes the environmental analysis or conclusions of the Draft EIR. As such, no new environmental issues are raised by this comment and no further analysis is required.

Response to Comment D-3:

The comment points out that while the Health Risk Assessment concludes that health risk impacts are less than significant based on the Project not exceeding the South Coast AQMD's cancer risk threshold of 10 per million, the conflicting numbers of the report (2.64 vs. 72 per million) raises concern regarding which is the correct number and the validity of the study. The reference that the Commenter cites is a typographical error within *Section 5.1 – Air Quality* Draft EIR on page 5.1-40.

To correct this inadvertent typographical error, *Section 5.1.7 – Environmental Impacts* has been modified. The analysis provided to address **Threshold C: Would the Project expose sensitive receptors to substantial pollutant concentrations**, will be clarified and the following text has been modified under subheading *Residential Exposure Scenario* on page 5.1-40 of the Draft EIR as such:

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source diesel particulate matter emissions is Location R3 which is located approximately 57 feet east of the Project site at an existing non-conforming residence located at 25870 Tyler Avenue within the City of Menifee. R3 is placed in the private outdoor living areas (backyard) facing the Project site. At the maximally exposed individual receptor, the maximum incremental cancer risk attributable to Project operational-source diesel particulate matter emissions is estimated at ~~2.64~~2.72 in one million, which is less than

the South Coast AQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be less than 0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site than the maximally exposed individual receptor analyzed herein, and toxic air contaminants generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the maximally exposed individual receptor identified herein. As such, the Project would not cause a significant human health or cancer risk to nearby residences.

The Commentor also notes that it is not clear how the *Health Risk Assessment (HRA)* considers the location and concentration of trucks on the east side of the facility closest to the residents and how that factors into the potential health risk. This issue is addressed in Response to South Coast Air Quality Management District Comment G-3, *infra*, which details additional modeling that was conducted for informational purposes and confirms that the Project's potential health risk impacts would be less than significant when considering the concentration of trucks on the east side of the facility.

The above clarifications to the Draft EIR do not constitute significant new information that would require recirculation of the Draft EIR pursuant to State CEQA Guidelines Section 15088.5, because there are no new significant impacts identified. No new environmental issues are raised by this comment; thus, no further analysis is required.

Response to Comment D-4:

The comment states that because the Project requires a General Plan Amendment and a Change of Zone to allow an industrial project with truck loading parking adjacent to single family residences (sensitive receptors), the Project is in conflict with the Perris General Plan goals and policies and the City of Perris Good Neighbor Guidelines. This comment does not provide any substantive evidence or specific claims to support the allegation that the Project is not consistent with the Perris General Plan or Good Neighbor Guidelines. Further, Perris Municipal Code Section 19.54.030 – Review Authority and Processing Procedures, provides for the processing of land use and zoning changes through a General Plan Amendment and Zone Change process.

The comment includes two subsections of the Perris General Plan Environmental Justice Element Policy Goal 3.1, and claims that the Project is inconsistent with them, however it fails to identify the alleged inconsistency. As required by the State CEQA Guidelines, the Draft EIR analyzed the Project's consistency with the Perris General Plan policies that have been adopted for the purpose of avoiding or mitigating an environmental effect in *Section 5.7 – Land Use and Planning, Table 5.7-A, Project Consistency with Perris General Plan 2030 Polices*. This analysis includes the three applicable policies of Environmental Justice Element Goal 3.1 and concluded that the Project is consistent with the City's General Plan. (DEIR, pp 5-5.4 – 5.7-26.)

As described in *Section 5.7.5 – Project Design Features*, the Project incorporates applicable recommended policies for Goal 1 through Goal 7 of the City of Perris Good Neighbor Guidelines. The City adopted the Good Neighbor Guidelines, which are applicable to all new warehouse, logistics, and distribution facilities, to protect sensitive receptors, to balance economic growth, industrial development, and business success, while implementing methods for the reduction of potential negative

impacts. (DEIR, p. 5.26.) The Project incorporates the applicable policies from the Good Neighbor Guidelines and, by doing so, the Project protects the neighborhood characteristics (Goal 1), minimizes diesel emissions (Goal 2), eliminates trucks from traversing residential neighborhoods (Goal 3), and contains buffers between sensitive receptors (Goal 4), diesel particulate matter education program and community outreach (Goal 5), construction practices to reduce noise (Goal 6), and compliance with CEQA (Goal 7). (DEIR, pp.5.7-26 – 5.7-31.) Below is a summary of how the Project meets Goal 1 through Goal 4:

- Building massing would be consistent with the City’s Industrial Design Guidelines to ensure the cohesive development of the Project site with the surrounding areas. (Consistent with Goal 1.)
- Project driveways, loading docks, and internal circulation routes are designed away from sensitive receptors as shown in **Figure 3.0-12 Development Plan Review**. (Consistent with Goal 1, Goal 2, Goal 3, and Goal 4.)
- Truck loading bays and drive aisles are designed to minimize truck noise to sensitive receptors as shown in **Figure 5.8-5 Operational Noise Source Locations**. (Consistent with Goal 1, Goal 2, and Goal 3.)
- The Project includes adequate on-site parking for commercial trucks and passenger vehicles and adequate on site queuing for trucks away from sensitive receptors as shown in **Figure 3.0-12** and **Figure 5.8-5**. (Consistent with Goal 1, Goal 2, and Goal 3.)
- The Project is designed with adequate on-site queuing for trucks and away from sensitive receptors and preventing queuing of trucks on surrounding public streets. (Consistent with Goal 1, Goal 2, and Goal 4.)
- The Project has been designed to provide approximately 300 feet between the dock doors and the nearest sensitive receptor. (Consistent with Goal 1, Goal 2, and Goal 4.)
- As shown on **Figure 3.0-14 Screening Details** the Project has been designed the incorporate a 14-foot-high decorative block wall to screen the loading areas and a 8-foot high wall to soften the view. (Consistent with Goal 1 and Goal 4.)

Section 1.10.1 – Good Neighbor Guidelines and *Section 3.9.1 –City of Perris Good Neighbor Guidelines* of the Draft EIR include a list of all applicable recommended policies from the Good Neighbor Guidelines that are incorporated as part of the Project. (DEIR, pp.1.0-35 – 1.0-39, 3.0-35 – 3.0-39.) To clarify the applicable policy recommendations associated with each specific goal set forth in the Good Neighbor Guidelines, subheadings will be added to *Section 1.10.1 – City of Perris Good Neighbor Guidelines* and *Section 3.9.1 – City of Perris Good Neighbor Guidelines* of the Draft EIR on pages 1.0-35 through 1.0-39 and 3.0-35 through 3.0-39, respectively, as follows:

The City of Perris adopted the City of Perris Good Neighbor Guidelines for Siting New and/or Modified Industrial Facilities in September 2022 that aim to balance economic growth, industrial development, and business success while implementing methods for the reduction of potential negative impacts on sensitive receptors. The City of Perris Good Neighbor Guidelines goals and recommended policies formalize what is expected from industrial development, particularly those closer to sensitive receptors.

The following list contains the recommended policies from the Perris Good Neighbor Guidelines that are applicable to the Project and would be implemented to the greatest extent possible:

Recommended Policies - Goal #1: Protect the Neighborhood Characteristics of the urban, rural, and suburban communities.

1. Any industrial project over 400,000 square feet in size or requiring the preparation of an Environmental Impact Report (EIR) shall be designed to meet the requirements of LEED Silver Certification whether or not certification is pursued. Documentation shall be provided to the City demonstrating compliance.
2. Building massing shall be consistent with the City's Industrial Design Guidelines to reduce visual dominance on adjacent/nearby sensitive receptors.
3. When possible, locate driveways, loading docks, and internal circulation routes away from sensitive receptors.
4. Truck loading bays and drive aisles shall be designed to minimize truck noise.
5. All lighting used in conjunction with a warehouse/ distribution facility operation shall be directed down into the interior of the site and not spill over onto adjacent properties.
6. If a public address (PA) system is being used in conjunction with a warehouse/distribution facility operation, the PA system shall be oriented away from sensitive receptors and the volume set at a level not readily audible past the property line.
7. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any vacant lot or unimproved nonresidential property in the city.
8. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any vacant lot or unimproved Commercially zoned property for the purpose other than doing business at the site, and/or remaining parked or standing for longer than reasonably appropriate to do such business, in accordance with the Perris Municipal Code.
9. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any highway, street or road which is adjacent to a parcel upon which there exists a public facility.
10. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any highway, street, road, alley, or private property within any residential district in the City, in accordance with the Perris Municipal Code.
11. It is unlawful to park or leave standing any vehicle on any highway, street, road, or alley within the city for the purpose of servicing or repairing such vehicle except when necessitated by an emergency. Comply with the Perris Municipal Code regarding parking limitations for commercial vehicles greater than 10,000 pounds or more.
12. Warehouse/ distribution facilities shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks away from sensitive receptors. Commercial trucks shall not be parked in the public right of way or nearby residential areas, in accordance with the Perris Municipal Code and Specific Plans.
13. No parking shall be permitted in the landscape setback area.
14. Provide signage or flyers identifying where the closest restaurant, lodging, fueling stations, truck repair facilities, and entertainment can be found.
15. Facility operators shall post signs in prominent locations indicating that off-site parking for any employee, truck, or other operation related vehicle is strictly prohibited.
16. Signs shall be installed at all truck exit driveways directing truck drivers to the truck route as indicated in the City approved Truck Routing Plan and State Highway System to minimize potential impacts on sensitive receptors.

17. Signs shall be installed in public view with contact information of facility operator and SCAQMD for complaints related to excessive dust, fumes, or odors, and truck and parking complaints. Any complaints made to the facility operator shall be answered within 72 hours of receipt.
18. Signs should be posted in the appropriate locations indicating that parking and maintenance of all trucks shall be conducted within designated areas and not within the surrounding community or on public streets.
19. Signs and drive aisle pavement markings shall clearly identify the onsite circulation pattern to minimize unnecessary on site vehicular travel.
- ~~19. All signs shall be legible, durable, and weather proof. Posted signage would include:
 - a. Signs shall be installed to identify onsite circulation and off-site parking prohibitions and should identify designated areas for parking and maintenance.
 - b. Signs shall be installed at all truck exit driveways directing truck drivers to the truck route as indicated in the City approved Truck Routing Plan and State Highway System to minimize potential impacts on sensitive receptors.
 - c. Signs shall be installed in public view with contact information of facility operator and SCAQMD for complaints related to excessive dust, fumes, or odors, and truck and parking complaints. Any complaints made to the facility operator shall be answered within 72 hours of receipt.~~
20. The developer shall plant one 24-inch box tree per 2,500 square feet of building size including irrigation lines and controllers at an off-site location to be determined by the City (i.e., City right-of-way, parks, etc.) or provide funding equivalent to such cost at the discretion of the City, prior to issuance of the building permit.

Recommended Policies - Goal #2: Minimize exposure of diesel emissions to neighbors that are situated in close proximity to the warehouse/distribution center.

1. Minimize the air quality impacts of trucks on sensitive receptors by:
 - a) Restricting diesel engine and construction equipment idling to 5 minutes or less (SCAQMD Rule 2485). A driver of a vehicle shall turn off the engine upon stopping at a destination.
 - b) Designing facilities with adequate on-site queuing for trucks and away from sensitive receptors and preventing queuing of trucks on surrounding public streets.
 - c) Providing ingress and egress for trucks away from sensitive receptors and locate loading docks and internal circulation away from sensitive receptors.
 - d) For buildings with 50 or more dock high doors, a site plan is required identifying a planned location for future electric truck charging stations and installation of raceway for conduit to that location. A ratio of one charging station shall be required for every 50 dock high doors.
 - e) On site equipment, such as forklifts, shall be ZE (Zero Emissions) with the necessary electrical charging stations provided or be powered by alternative technology.
 - f) Passenger vehicles parking should be separated from enclosed truck parking/truck court and have separate primary access.
 - g) At least 10 percent of all passenger vehicle parking spaces shall be electric vehicle (EV) ready. At least 5 percent of all passenger vehicle parking spaces shall be equipped with working Level 2 Quick charge EV charging stations installed and operational, prior to issuance of a certificate of occupancy. Signage shall be

- installed indicating EV charging stations and that spaces are reserved for clean air/EV vehicles.
- h) Encouraging replacement of diesel fleets with new model vehicles.
 - i) Preventing the queuing of trucks on streets or elsewhere outside the warehouse facility or near sensitive receptor.
 - j) Promoting the installation of on-site electric hook-ups to eliminate idling of main and auxiliary engines during loading and unloading of cargo and when trucks are not in use – especially where transport refrigeration units (TRUs) are proposed to be used.
2. No operation shall be permitted which emits odorous gases or other odorous matter in such quantities as to be dangerous, injurious, noxious, or otherwise objectionable to a level that is detectable with or without the aid of instruments at or beyond the lot line of the property containing said operation or activity.
 3. Avoid locating exits and entries near sensitive receptors.
 4. On-site speed bumps shall not be allowed, except at security/entry gates.
 5. Warehouses greater than 100,000 square feet are required to directly reduce nitrogen and diesel particulate matter emissions (SCAQMD Rule 2305).
 6. On site motorized operational equipment shall be ZE (Zero Emissions).
 7. Buildings over 400,000 square feet shall install solar panels so 100 percent of the power is supplied to the office area of the facility unless it is restricted due to the March Air Force Base Accident Potential Zone.
 8. Truck operators with TRUs shall be required to utilize electric plug-in units when at loading docks. ~~Equipment operator of a TRU shall not cause a TRU to operate while stationary unless the vehicle is lawfully parked and not within 500 feet of a school, unless the operator is actively engaged in the process of loading or unloading cargo or is waiting in a queue to load or unload for a period not to exceed 2 hours.~~
 9. Pursuant to CARB's Truck and Bus Regulation, facility operators shall maintain records of their facility owned and operated fleet equipment and ensure that all diesel fueled Medium-Heavy Duty Trucks (MHDT) and Heavy-Heavy Duty (HHD) trucks with a gross vehicle weight rating greater than 19,500 pounds use year CARB compliant 2010 or newer engines. Records should be made available to the City of Perris.
 10. Facility operators shall coordinate with CARB and SCAQMD to obtain the latest information about regional air quality concentrations, health risks, and trucking regulations.
 11. Equipment operator of a TRU (Transportation Refrigeration Unit) shall not cause a TRU to operate while stationary unless the vehicle is lawfully parked and not within 500 feet of a school, unless the operator is actively engaged in the process of loading or unloading cargo or is waiting in a queue to load or unload for a period not to exceed 2 hours.
 12. Require low energy use features, low water use features, all-electric vehicles (EV) parking spaces and charging facility, carpool/vanpool parking spaces, and short- and long-term bicycle parking facilities (Title 24 of the California Code of Regulations – CALGreen).
 13. Post signs requiring to turn off truck engines when not in use.

Recommended Policies - Goal #3: Eliminate diesel trucks from unnecessary traversing through residential neighborhoods.

1. The facility operator shall abide by the truck routing plans, consistent with the City of Perris Truck Route Plan.
2. Adequate turning movements at entrance and exit driveways shall be provided, subject to City approval.

3. Truck traffic shall be routed to impact the least number of sensitive receptors.
4. To the extent possible, establish separate entry and exit points within a warehouse/distribution facility for trucks and vehicles to minimize vehicle/truck conflicts.
5. Check in gates and/or guard booths are required to be positioned with a minimum of 150 feet inside the property line for on-site truck queuing. An additional 75 feet of on-site queuing shall be added for every 20 loading docks beyond 40 up to 300 feet. Multiple lanes (minimum lane width 12 feet) are permitted to achieve the required queuing. The general queuing and spillover of trucks onto the surrounding public streets are prohibited. Commercial trucks and/or trailers shall not be parked on the public right of way or adjacent to sensitive receptors.
6. Establish overnight parking within the warehouse/distribution center where not visible from the public right-of-way.

Recommended Policies - Goal #4: Provide Buffers between Warehouses and Sensitive Receptors.

1. A separation of at least 300 feet shall be provided, as measured from the dock doors to the nearest property line of the sensitive receptor.
2. A minimum 30-foot landscape setback shall be provided along property lines when adjacent to sensitive receptors.
3. Percentage of landscaping for projects in the General Industrial (GI) and Light Industrial Zones shall be increased from 10 and 14 to 15 percent.
4. Loading areas shall be screened with a 14-foot-high decorative block wall, architecturally consistent with the building, and an 8-foot high berming in front of the wall to soften the view of the wall from the public right of way.
- ~~4. Loading areas shall be screened with a 14-foot-high decorative block wall, architecturally consistent with the building, and an 8-foot high berming in front of the wall to soften the view of the wall from the public right of way.~~
5. The architecture of the building shall include at least two decorative materials (e.g., stone, brick, metal siding, etc.) and consist of a variation in plane and form, varied roof lines, pop-outs, recessed features, which are intended to result in interior and exterior areas that can be used by the general public, visitors, and employees.
6. Sites shall be densely screened with landscaping along all bordering streets and adjacent/across the street from sensitive receptors. Trees along the landscape setbacks shall be at least 48 inch box in size and range in height between 14 and 25 feet be Trees should be planted a distance of 20 feet on center. Fifty percent of the landscape screening shall include a minimum of 36-inch box, evergreen trees. Palm trees shall not be utilized.
7. All landscaping shall be irrigated for the life of the facility.
8. An additional wing wall shall be installed perpendicular to the loading dock areas, where feasible, to further attenuate noise related to truck activities and address aesthetics related to loading area when adjacent to sensitive receptors. Vines or other appropriate plant material should be planted in front of the screen walls to soften views from the street.
9. Dock doors shall be located where they are not readily visible from sensitive receptors or major roads. If it is necessary to site dock doors where they may be visible, a method to screen the dock doors shall be implemented. A combination of landscaping, berms, walls, and similar features shall be considered.
10. Require on-site signage for directional guidance to trucks entering and exiting the facility to minimize potential impacts on sensitive receptors.

Recommended Policies - Goal #5: Establish an Education Program to Inform Truckers of Health Effects of Diesel Particulate and Conduct Community Outreach to Address Residents' Concerns.

1. Provide adequate notification to all owners of real property on the latest records of the County Assessor within 500 feet of the real property or at least 25 property owners, whichever is greater, for all required public notices pertaining to a warehouse project's entitlement.
2. Facility operators shall train their managers and employees on efficient scheduling and load management and to eliminate unnecessary queuing and idling trucks. ~~and require their drivers to park and perform any maintenance of trucks in designated on-site areas and not within the surrounding community or on public streets.~~
3. Facility operators shall require their drivers to park and perform any maintenance of trucks in designated on site areas and not within the surrounding community or on public streets.
4. Facility operators for sites that exceed 250 employees shall establish a rideshare program, in accordance with SCAQMD Rule 2202, with the intent of discouraging single-occupancy vehicle trips and promote alternate modes of transportation, such as carpooling and transit where feasible.
5. Provide informational flyers and pamphlets for truck drivers about the health effects of diesel particulates and importance of being a good neighbor.
6. Encourage facility owners/management to ~~coordinate an outreach program that will educate the public and~~ have site visits with neighbors and the community to view measures taken to reduce/and or eliminate diesel particulate emissions.
7. Encourage facility owners/management to coordinate an outreach program that will educate the public.
8. Provide facility owners/management with information from CARB and SCAQMD and encourage the utilization of resources provided by those agencies.
9. Applicant shall engage in a community outreach effort to determine issues of concern during the project entitlement process.
10. Applicant and City staff should look beyond the immediate development footprint and look for opportunities to enhance the surrounding community through upgrades such as street paving, walls, bicycle lanes, bus turnouts, landscaping, and other types of infrastructure improvements.
- ~~11. Applicant and City staff should look beyond the immediate development footprint and look for opportunities to enhance the surrounding community through upgrades such as street paving, walls, bicycle lanes, bus turnouts, landscaping, and other types of infrastructure improvements.~~
11. Applicant may be required to provide a supplemental funding contribution to further offset potential air quality impacts to the community and provide a community benefit beyond any CEQA related mitigation measures.

Recommended Policies - Goal #6: Implement Construction Practice Requirements in Accordance with State Requirements to Limit Emissions and Noise Impacts from Building Demolition, Renovation, and New Construction.

1. In addition to regular construction inspections conducted by City Departments, the applicant shall provide monthly reports to the City demonstrating compliance with all the construction related policies.
2. All diesel fueled off-road construction equipment greater than 50 horsepower shall be equipped with CARB Tier 4 Compliant engines. If Tier 4 equipment is not available within 50 miles of the project site, Tier 3 or cleaner off road construction equipment may be utilized.
3. Construction contractors shall utilize construction equipment with properly operating and maintained mufflers, consistent with manufacturer's standards.
4. Construction contractors shall locate or park all stationary construction equipment away from sensitive receptors nearest the project site, to the extent practicable.
5. The surrounding streets shall be swept on a regular basis to remove any construction related debris and dirt.
6. Appropriate dust control measures that meet the SCAQMD Rule 403 standards shall be implemented for grading and construction activity. ~~Such measures shall include sweeping the surrounding streets on a regular basis to remove any construction related debris and dirt.~~
7. Construction equipment maintenance records and data sheets, as well as any other records necessary to verify compliance with CARB standards shall be kept on site and furnished to the City of Perris upon request.
8. Prepare a construction traffic control plan prior to grading, detailing the locations of equipment staging areas material stockpiles, proposed road closures, and hours of construction operations to minimize impacts to sensitive receptors.
9. Minimize noise from construction activities.
10. The maximum daily disturbance area (actively graded area) shall be determined by the Air Quality Study.
11. Use of the most readily available technology (CARB Tier 3, Tier 4 Interim, and Tier 4 Compliant equipment).
12. Designate an area of the construction site where electric-powered construction vehicles and equipment can charge if the utility provider can feasibly provide temporary power for this purpose.
13. During construction, signs are required to be in public view with contact information for a designated representative of the building occupant and an SCAQMD representative who is designated to receive complaints about excessive dust, fumes, or odors on this site.

Recommended Policies - Consistency with Goal #7: Ensure Compliance with the California Environmental Quality Act (CEQA) and State Environmental Agencies.

1. In compliance with CEQA, conduct SCAQMD California Emissions Estimator Model (CalEEMod) and Emission Factors (EMFAC) computer models to identify the significance of air quality impacts on sensitive receptors, ~~and require an air quality analysis to ensure air quality protection, in accordance with the Air Quality Management District (AQMD) guidelines, for both project-specific and cumulative impact analysis.~~

2. Require an air quality analysis to ensure air quality protection, in accordance with the Air Quality Management District (AQMD) guidelines, for both project specific and cumulative impact analysis.
3. Require Health Risk Assessments for industrial uses within 1,000 feet of sensitive receptors in accordance with AQMD guidelines.
4. A Noise Impact Analysis shall be prepared to evaluate potential impacts to the neighboring properties. It shall include construction and operation noise impacts, including stationary and off- site increases to ambient noise levels.
5. Require Transportation Demand Management Measures for industrial uses with over 100 employees to reduce work related vehicle trips.
6. Require signage about CARB regulations.
7. All building roofs shall be solar-ready.
8. Require the use of low volatile organic compounds (VOC) paints and coatings (SCAQMD Rule 1113).
9. All signs shall be legible, durable, and weather-proof.

The City acknowledges the City of Menifee's request to relocate the truck loading/parking area on the eastern side of the warehouse to another location. This request was considered but ultimately determined to be infeasible but that does not mean the Project is not consistent with the General Plan and Good Neighbor Guideline policies and no evidence has been offered to support this claim. Nonetheless, the Project was designed to minimize impacts to the surrounding area, including the non-conforming residential uses within the City of Menifee along Sherman Road, by designing truck driveways along Trumble Road only. Additionally, the Project incorporates Good Neighbor Guidelines recommended buffers by providing an approximately 300-foot separation between the dock doors and the property line of the nearest sensitive receptor as well as a landscape setback of at least 30 feet.

As stated above, the Draft EIR appropriately concluded that the Project is consistent with both the General Plan and Good Neighbor Guidelines policies.

The addition of subheadings in the Draft EIR does not constitute significant new information that would require recirculation of the Draft EIR pursuant to State CEQA Guidelines Section 15088.5. No new environmental issues are raised by this comment and no further response is required.

Response to Comment D-5:

This comment refers to a Memorandum dated March 14, 2024, provided by the City of Menifee's Public Works/Engineering Department related to the Preliminary Drainage Study and Traffic Impact Analysis prepared for the Project and included as part of the Draft EIR in Appendices E and G; respectively. Both reports had been previously reviewed by Commenter prior to circulation of the Draft EIR. With respect to the Drainage Report, it is noted that the City of Menifee has no further comments.

With respect to the Traffic Impact Analysis, both the City of Menifee Public Works/Engineering and Planning Departments provided correspondence on January 4, 2024 and January 9, 2024; respectively, acknowledging their approval of the study. Despite the developer's coordination with the City of Menifee ultimately leading to approval of the Traffic Impact Analysis, the new comments contained within the Memorandum from the Public Works/Engineering Department dated March 14, 2024 related to the Traffic Impact Analysis are addressed below in *Response to Comment Letter D1 – City of Menifee – Public Works/Engineering Department*.

This comment does not provide information that changes the environmental analysis or conclusions of the Draft EIR. No new environmental issues are raised by this comment and no further response is required.

Response to Comment D-6:

The comment requests that City of Menifee Planning Department be included in notification of all future environmental notices and documents. The City of Menifee has been included on the CEQA distribution list for this Project and will continue to receive future notices on the Project. This comment does not provide information that changes the environmental analysis or conclusions of the Draft EIR. No new environmental issues are raised by this comment and no further analysis is required.

Response to Comment D-7:

This comment does not question the content or conclusions of the Draft EIR. Therefore, no additional analysis or revisions to the Draft EIR are required.

2.3.5 Comment Letter D1 – City of Menifee Public Works/Engineering Department

Comment letter D1 commences on the next page.



CITY OF MENIFEE
MEMORANDUM

PUBLIC WORKS/ENGINEERING DEPARTMENT

DATE: March 14, 2024
TO: Doug Darnell, AICP, Principal Planner
FROM: Haile Ford, PE, Senior Engineer
CC: Steven Strapac, PE, PLS, QSD, Assistant City Engineer
RE: City of Perris' Ethanac Logistics Center – TPM 22-05328 38600 – PC2 Engineering Comments

The PC2 comments noted herein are for review of the following:

- Ethanac Logistics Center Environmental Documents

Public Works / Engineering has reviewed the referenced documents and has the following comments:

Preliminary Drainage Study dated January 2023, prepared by Albert A. Webb Associates:

1. Based on the information presented in this report, all drainage drains to the west to drainage facilities that are owned and maintained by the City of Perris and the Riverside County Flood Control District. Therefore, Engineering has no further comments on this submittal.

D1-1

Traffic Analysis dated December 15, 2023, prepared by Urban Crossroads:

1. The following locations were analyzed in this report:
 - Trumble Road and Driveway 1.
 - Trumble Road and Driveway 2.
 - Trumble Road and Ethanac Road.
 - Driveway 3 and Ethanac Road.
 - Driveway 4 and Ethanac Road.
 - Sherman Road and Ethanac Road.

D1-2

Other locations should also be analyzed. For example, the Ethanac Road / I-215 interchange should be analyzed, and various locations within the City of Menifee's jurisdiction should be analyzed to determine the traffic impacts to the City of Menifee. Such locations would include, but not be limited to, the following:

- The segment of Trumble Road that runs south of Ethanac Road.

- The segment of Sherman Road that runs south of Ethanac Road.
- The intersection of Ethanac Road and Antelope Road.

Cont.
D1-2

2. The following recommended off-site improvements would encroach into the City of Menifee's jurisdiction:

- Adding a second eastbound through lane at the intersection of Ethanac Road and Trumble Road. (The project is recommended to pay TUMF fees for this improvement.)
- Adding a second eastbound through lane at the intersection of Driveway 3 and Ethanac Road and Trumble Road. (The project is recommended to pay TUMF fees for this improvement.)
- Adding a third eastbound through lane at the intersection of Driveway 3 and Ethanac Road and Trumble Road. (The project is recommended to pay "Fair Share" fees for this improvement.)
- Adding a second eastbound through lane at the intersection of Driveway 4 and Ethanac Road and Trumble Road. (The project is recommended to pay TUMF fees for this improvement.)
- Adding a third eastbound through lane at the intersection of Driveway 4 and Ethanac Road and Trumble Road. (The project is recommended to pay "Fair Share" fees for this improvement.)
- Installing a traffic signal at the intersection of Sherman Road and Ethanac Road. (The project is recommended to pay "Fair Share" fees for this improvement.)
- Installing a northbound left-turn lane at the intersection of Sherman Road and Ethanac Road. (The project is recommended to pay "Fair Share" fees for this improvement.)
- Installing an eastbound left-turn lane at the intersection of Sherman Road and Ethanac Road. (The project is recommended to construct this improvement.)
- Installing a second northbound left-turn lane at the intersection of Sherman Road and Ethanac Road. (The project is recommended to pay "Fair Share" fees for this improvement.)
- Installing a second eastbound through lane and an eastbound right-turn lane at the

D1-3

intersection of Sherman Road and Ethanac Road. (The project is recommended to pay TUMF and “Fair Share” fees for these improvements.)

- Installing a northbound right-turn lane at the intersection of Sherman Road and Ethanac Road. (The project is recommended to pay “Fair Share” fees for this improvement)
- Installing a third eastbound through lane at the intersection of Sherman Road and Ethanac Road. (The project is recommended to pay “Fair Share” fees for this improvement.)

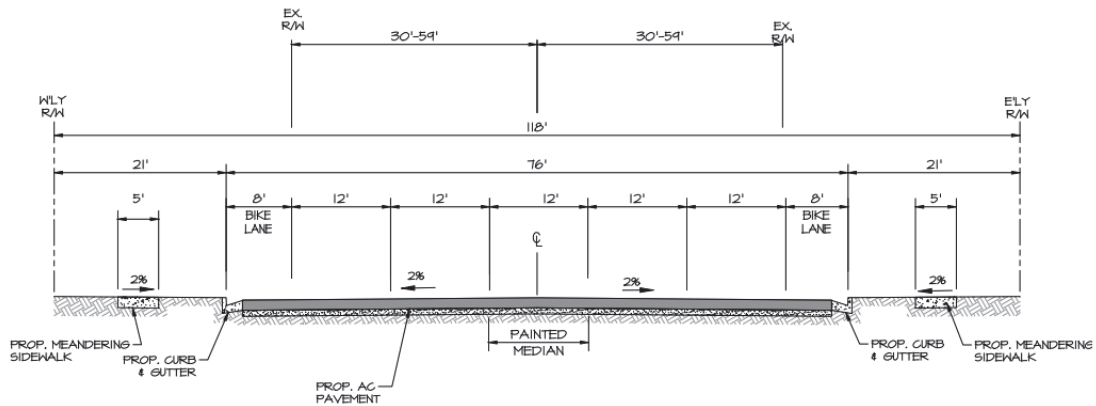
Please coordinate with the City of Menifee’s Engineering Department regarding these recommended improvements.

Regarding the future traffic signal at the intersection of Sherman Road and Ethanac Road, please note that the City of Menifee has conditioned the developer of the Menifee Commerce Center (City of Menifee Planning Case No. PLN21-0305 / Tentative Parcel Map 38156 / Plot Plan 2019-005) to install a traffic signal at this intersection. This project is currently in final engineering. The specific improvements to be constructed as part of this project at the intersection of Sherman Road and Ethanac Road are as follows:

- Install a new traffic signal with north / south protected left-turn phasing, eastbound right-turn overlap phasing, and the following intersection improvements:
 - Northbound: one shared through / right-turn lane, and two left-turn lanes.
 - Southbound: one through lane, one right-turn lane, and one left-turn lane.
 - Westbound: one shared through / right-turn lane, and one left-turn lane.
 - Eastbound: two through lanes, one right-turn lane, and one left-turn lane.
 - Traffic signal poles for the northbound and southbound lanes at the intersection of Sherman Road and Ethanac Road to be placed at the ultimate location as feasible.
 - Sherman Road will be constructed as a modified Major roadway, which will be a 4-lane divided roadway with Class II Community On-Street bike lanes along the project frontage, as shown in the typical section roadway below:

Cont.
D1-3





Cont.
D1-3

It is recommended that the City of Perris require the developer of the Ethanac Logistics Center to construct the ultimate half-width improvements along the project's Sherman Road frontage.

General Comments:

1. The following projects in the City of Menifee's jurisdiction are in the vicinity of the City of Perris' Ethanac Logistics Center project:
 - The Trumble / Watson industrial warehouse project (City of Menifee Planning Case No. DEV2022-019).
 - The Menifee Commerce Center (City of Menifee Planning Case No. PLN21-0305 / Tentative Parcel Map 38156 / Plot Plan 2019-005).
 - Ethanac Business Park (City of Menifee Planning Case No. PLN23-0171).

Coordinate in advance with the City of Menifee regarding these projects, to ensure that the recommendations in the Traffic Analysis do not conflict with the traffic recommendations for these City of Menifee projects. For example:

- The Menifee Commerce Center project requires the developer to construct the following improvements:
 - Sherman Road to be constructed as a modified Major roadway, which will be a 4-lane divided roadway with Class II Community On-Street bike lanes along the project frontage. (See Traffic Analysis Comment No. 2 above)
 - Trumble Road to be constructed as a modified Collector roadway, which will be a 2-lane roadway with a Class III bike route along the project frontage to centerline plus 12 feet.
 - Modify the existing traffic signal near the northbound on-ramp of the

D1-4

Ethanac Road / I-215 interchange.

- Modify the existing traffic signal at the intersection of Ethanac Road and Trumble Road.

The Trumble / Watson and Ethanac Business Park projects will also require that offsite road improvements be made, and as such, it is important that the applicant / developer of the City of Perris' Ethanac Logistics Center coordinate closely with these projects that are located within the City of Menifee's jurisdiction.

As you coordinate with the City of Menifee, keep in mind the following City of Menifee Level of Service (LOS) Guidelines:

- The traffic study / analysis area, at a minimum, shall generally include streets on which the proposed project will add 50 or more peak-hour trips, up to a 5-mile radius from the project location. The limits of this area may be extended if the project has a regional impact on the regional transportation system.
- Additional intersections of concern, which may include but not be limited to project driveways, may also require analysis.
- For projects located in the vicinity of schools, traffic counts may be required during the school season as determined by the Community Development Department or Public Works / Engineering Department.
 - A Roadway Segment Analysis shall be required for roadway segments where 500 or more daily trips are added along the City of Menifee's Circulation Element roadway network, up to a 5-mile radius from the project location.
 - Additional intersections and roadway segments may be required to be analyzed at the discretion of the City of Menifee's Traffic Engineer.
 - The City of Menifee has identified LOS D as the standard for acceptable operating conditions for intersections, except at constrained intersections and roadway segments in close proximity to I-215, where LOS E is acceptable during peak hours.
 - The traffic study / analysis shall address whether or not the required LOS will be achieved after the proposed project is constructed. Intersections or roadway segments not meeting the required LOS may be conditioned for improvements toward meeting the LOS standard. Specifically, a project would not meet the LOS standard if: (1) The pre-project condition at an

Cont.
D1-4

intersection or roadway segment is at or better than the minimum acceptable LOS, and the addition of project trips results in an unacceptable LOS. (2) The pre-project condition is at LOS E or F, and the project adds 50 or more peak-hour trips to the intersection or roadway segment. This type of impact would be considered a “cumulative” project impact, in which the project would be required to contribute a fair-share payment toward reducing the impact.

- Fair-share contributions may be recommended to improve LOS conditions under the “Existing Plus Project” scenario if the existing condition is at an unacceptable LOS. All fair-share contributions shall be calculated using the following equation:

$$d = \frac{c}{(b - a)}$$

Where:

a = Existing Traffic Volume

b = Opening Year Cumulative With Project Volume

c = Proposed Project Trips

d = Fair Share Percentage

2. The applicant / developer and the City of Perris should coordinate with Caltrans for the necessary right-of-way required for future interchange widening and improvements.
3. The applicant / developer should provide appropriate right-of-way dedication for the ultimate improvements along Ethanac Road. It should be noted that Ethanac Road is designated as a 6 to 8-Lane Divided Expressway in the Circulation Element of the City of Menifee’s General Plan.
4. Check the Caltrans Highway Design Manual for appropriate distances.
5. Provide an exhibit that shows proposed improvements on the south side of Ethanac Road.

The applicant / developer is advised to prepare a response letter in the next submittal, responding back to each comment in this Memo. Any questions can be directed to Haile Ford at (951) 723-1774 (office), (213) 215-6772 (cell), or by email at hford@cityofmenifee.us.

Cont.
D1-4

D1-5

D1-6

D1-7

D1-8

D1-9

Response to Comment Letter D1 – City of Menifee Public Works/Engineering Department

The following comments are not in direct response to the Draft EIR; but are instead, responses to plan check comments related to the Preliminary Drainage Study and Traffic Analysis utilized by the Draft EIR provided in a separate memo dated March 14, 2024 that was attached to the City of Menifee Planning Department's comments to the Draft EIR. Regardless, these plan check comments are being addressed and included as part of the Final EIR Response to Comments. As such, no citations or references are provided in relation to the California Environmental Quality Act or Draft EIR.

Response to Comment D1-1:

Comment noted that the City of Menifee has no further comments related to the *Preliminary Drainage Study*.

Response to Comment D1-2:

Based on the Project Only traffic volumes, no Project traffic is anticipated to utilize Trumble Road or Sherman Road, south of Ethanac Road as reflected in *Exhibit 4-1: Project (Passenger Car) Trip Distribution* and *Exhibit 4-2: Project (Truck) Trip Distribution* of the *Traffic Analysis* on pages 47 and 48, respectively. The Project is anticipated to contribute 27 AM peak hour trips and 30 PM peak hour trips to the intersection of Antelope Road & Ethanac Road. Per the City of Menifee *LOS Traffic Analysis Guidelines*, dated October 2020, a study area is to consist of intersections where the Project is anticipated to contribute 50 or more peak hour trips or 500 or more daily trips. Since the Project is anticipated to contribute less than 50 peak hour trips and 500 daily trips to the locations identified above, they were not required to be evaluated in the *Traffic Analysis* nor did the City of Menifee previously request that these locations be included.

Response to Comment D1-3:

The *Traffic Analysis* for the proposed Project has been reviewed by the City of Menifee. As part of those reviews, the City provided comments on the identified improvements in the *Traffic Analysis*, for both off-site and site adjacent/site access locations. The *Traffic Analysis* was updated to address the City's comments and response letters were sent to the City on July 3, 2023 and December 15, 2023. The City of Menifee Public Works/Engineering Department approved the *Traffic Analysis* on January 4, 2024. On January 9, 2024, the City of Menifee Planning Department also approved the *Traffic Analysis*.

Therefore, the Project has coordinated improvements with the City of Menifee. Final engineering plans will be coordinated with the City of Menifee's engineering department for review and approval.

Response to Comment D1-4:

The identified development projects were included as part of the cumulative development projects list utilized in *Table 4-3: Cumulative Development Land Use Summary* on page 55 of the *Traffic Analysis*. The improvements as part of the nearby and adjacent cumulative projects (i.e., Menifee Commerce Center) have been reviewed to ensure consistency between the projects' identified intersection and roadway improvements.

The ultimate half-width improvements along the Project's frontage will be constructed per City of Perris roadway cross-sections and as conditioned by the City of Perris. The on-site site access and site adjacent roadway improvements for the proposed Project's frontage are included in the *Traffic Analysis* on page 1, along with concept striping exhibits reflected as *Exhibit 1-6: Concept Striping Recommendations* on pages 17 and 18 of the *Traffic Analysis*. On December 12, 2023, the City of Menifee Public Works/Engineering Department provided a second round of comments on the *Traffic Analysis*. These comments were addressed by Urban Crossroads in a response letter dated December 15, 2023. *Attachment D1.1 – Ethanac Road and Sherman Road North Leg Concept Striping* below, was provided as part of that response letter; specifically in response to comment number 1. All attachments are presented in *Section 2.3 – Response to Comments Attachments*.

The *Traffic Analysis* has been prepared in accordance with the City of Menifee *LOS Traffic Analysis Guidelines*, including the target LOS and the fair share calculations. The *Traffic Analysis* methodologies and assumptions, consistent with both City of Perris' Guidelines and City of Menifee's *LOS Traffic Analysis Guidelines*, are discussed in detail in *Section 2 - Methodologies* of the *Traffic Analysis*.

Ultimately, the City of Menifee Public Works/Engineering Department reviewed and approved the *Traffic Analysis* on January 4, 2024. On January 9, 2024, the City of Menifee Planning Department also provided approval of the *Traffic Analysis*.

Response to Comment D1-5:

The Interstate-215 (I-215)/Ethanac Road interchange is not included as part of the Project's study area. As such, no intersection or roadway improvements have been identified for the I-215/Ethanac Road interchange as part of this *Traffic Analysis*.

Response to Comment D1-6:

The Project is dedicating the adequate right-of-way for Ethanac Road, based on the City of Perris' General Plan and conditions of approval. As indicated in *Response to Comment D1-4* above, the City of Menifee Public Works/Engineering Department provided comments related to the concept striping plan for Ethanac Road. The Project updated the concept plan and provided clarification to address these comments. The City of Menifee Public Works/Engineering Department ultimately approved the *Traffic Analysis* on January 4, 2024. On January 9, 2024, the City of Menifee Planning Department also provided their approval of the study.

Response to Comment D1-7:

The concept plans included in the *Traffic Analysis* have been prepared in accordance with the Caltrans Highway Design Manual.

Response to Comment D1-8:

As indicated in *Response to Comment D1-4* above, concept striping exhibits are included in the *Traffic Analysis* which has been reviewed and approved by the City of Menifee.

Response to Comment D1-9:

Responses have been provided. However, as noted in *Response to Comments D1-3, D1-4, and D1-6* above, both the City of Menifee Planning and Public Works/Engineering Departments have previously provided approval of the *Traffic Analysis*.

2.3.6 Comment Letter E – Agua Caliente Band of Cahuilla Indians

Comment letter E commences on the next page.

AGUA CALIENTE BAND OF CAHUILLA INDIANS



TRIBAL HISTORIC PRESERVATION

March 19, 2024

[VIA EMAIL TO:nperez@cityofperris.org]
City of Perris
Mr. Nathan Perez
135 North D Street
Perris, CA 92570-2200

Re: Ethanac Logistics Center Project - Environmental Impact Report/SCH No. 2023090525, General Plan Amendment (GPA) 22-05326, Zone Change (ZC) 22-05327, TPM 22-05328 (TPM 38600),

Dear Mr. Nathan Perez,

The Agua Caliente Band of Cahuilla Indians (ACBCI) appreciates your efforts to include the Tribal Historic Preservation Office (THPO) in the DPR22-00030 project. We have reviewed the documents and have the following comments:

* In MM CR 1, please take out Agua Caliente Band of the Cahuilla Indians from the possible Luiseno tribal representative.

* In MM CR 1, verbiage needs to be changed from this sentence, "However, it is understood that all artifacts, with the exception of human remains and related grave goods or sacred/ceremonial/religious objects, belong to the property owner." It could be confusing to the reader if they do not read the "exception" part.

E-1
E-2
E-3

Again, the Agua Caliente appreciates your interest in our cultural heritage. If you have questions or require additional information, please call me at (760) 883-1137. You may also email me at ACBCI-THPO@aguacaliente.net.

Cordially,

Luz Salazar
Cultural Resources Analyst
Tribal Historic Preservation Office
AGUA CALIENTE BAND
OF CAHUILLA INDIANS

Response to Comment Letter E – Agua Caliente Band of Cahuilla Indians

Response to Comment E-1:

The comment requests that the verbiage of mitigation measure **MM CR-1** as presented in *Section 1.0 – Executive Summary* and *Section 5.2 – Cultural Resources* of the Draft EIR, be modified to remove reference to Agua Caliente Band of the Cahuilla Indians. The language of this mitigation measure has been modified as follows within *Table 1.0-A, Draft EIR Impact Summary Matrix/Mitigation Monitoring Program* on page 1.0-42 and *5.2.8 – Recommended Mitigation Measures* on pages 5.1-17 – 5.1-18 of the Draft EIR as follows:

MM CR-1 Archaeological Resource – Monitoring. Prior to the issuance of grading permits, the Project proponent/developer shall retain a professional archaeologist meeting the Secretary of the Interior’s Professional Standards for Archaeology (U.S. Department of Interior, 2012; Registered Professional Archaeologist preferred). The primary task of the consulting archaeologist shall be to monitor the initial ground-disturbing activities at both the subject site and any off-site project-related improvement areas for the identification of any previously unknown archaeological and/or cultural resources. Selection of the archaeologist shall be subject to the approval of the City of Perris Director of Development Services and no ground-disturbing activities shall occur at the site or within the off-site project improvement areas until the archaeologist has been approved by the City.

The archaeologist shall be responsible for monitoring ground-disturbing activities, maintaining daily field notes and a photographic record, and for reporting all finds to the developer and the City of Perris in a timely manner. The archaeologist shall be prepared and equipped to record and salvage cultural resources that may be unearthed during ground-disturbing activities and shall be empowered to temporarily halt or divert ground-disturbing equipment within a 50-foot radius of the find to allow time for the recording and removal of the resources. Work may continue outside of the 50-foot radius.

The Project proponent/developer shall also enter into an agreement with either the Soboba Band of Luiseño Indians; or the Pechanga Band of Indians; ~~or the Agua Caliente Band of Cahuilla Indians~~ for a Native American tribal representative (observer/monitor) to work along with the consulting archaeologist. This tribal representative will assist in the identification of Native American resources and will act as a representative between the City, the Project proponent/developer, and Native American Tribal Cultural Resources Department. The Native American tribal representative(s) should be on-site during all ground-disturbing of each portion of the project site including clearing, grubbing, tree removals, grading, trenching, etc. The Native American

tribal representative(s) should be on-site any time the consulting archaeologist is required to be on-site. Working with the consulting archaeologist, the Native American representative(s) shall have the authority to halt, redirect, or divert any activities in areas where the identification, recording, or recovery of Native American resources are on-going.²

The clarification to mitigation measure **MM CR-1** does not constitute significant new information that would require recirculation of the Draft EIR pursuant to State CEQA Guidelines Section 15088.5. No new environmental issues are raised by this comment and no further analysis is required.

Response to Comment E-2:

The comment requests the language of mitigation measure **MM CR-1** as presented in *Section 1.0 – Executive Summary* and *Section 5.2 – Cultural Resources* of the Draft EIR, be modified for clarity related to certain artifacts. The language in mitigation measure **MM CR-1** is the City's standard mitigation language that has been agreed to between the Soboba Band of Luiseño Indians and the Pechanga Band of Indians (the consulting Native American tribes) and the City of Perris.

This comment does not provide information that changes the environmental analysis or conclusions of the Draft EIR. No new environmental issues are raised by this comment and no further analysis is required.

Response to Comment E-3:

This comment does not question the content or conclusions of the Draft EIR. Therefore, no additional analysis or revisions to the Draft EIR are required.

2. Remainder of the language within this mitigation measure remains unchanged.

2.3.7 Comment Letter F – Riverside County Flood Control and Water Conservation District

Comment letter F commences on the next page.

JASON E. UHLEY
General Manager-Chief Engineer



1995 MARKET STREET
RIVERSIDE, CA 92501
951.955.1200
FAX 951.788.9965
www.rcflood.org

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

255453

March 27, 2024

City of Perris
Planning Department
135 North D Street
Perris, CA 92570

Attention: Nathan Perez

Re: Ethanac Logistics Center Project, EIR/SCH
2023090525, GPA 22-05326, CZ 22-05327,
TPM 22-05328 TPM 38600, DPR 22-00030,
APNs 329-240-016 through 329-240-020 and
329-240-023 through 329-240-027

The Riverside County Flood Control and Water Conservation District (District) does not normally recommend conditions for land divisions or other land use cases in incorporated cities. The District also does not plan check City land use cases or provide State Division of Real Estate letters or other flood hazard reports for such cases. District comments/recommendations for such cases are normally limited to items of specific interest to the District including District Master Drainage Plan facilities, other regional flood control and drainage facilities which could be considered a logical component or extension of a master plan system, and District Area Drainage Plan fees (development mitigation fees). In addition, information of a general nature is provided.

F-1

The District's review is based on the above-referenced project transmittal, received February 15, 2024. The District **has not** reviewed the proposed project in detail, and the following comments do not in any way constitute or imply District approval or endorsement of the proposed project with respect to flood hazard, public health and safety, or any other such issue:

D This project would not be impacted by District Master Drainage Plan facilities, nor are other facilities of regional interest proposed.

D This project involves District proposed Master Drainage Plan facilities, namely, ____. The District will accept ownership of such facilities on written request by the City. The Project Applicant shall enter into a cooperative agreement establishing the terms and conditions of inspection, operation, and maintenance with the District and any other maintenance partners. Facilities must be constructed to District standards, and District plan check and inspection will be required for District acceptance. Plan check, inspection, and administrative fees will be required. All regulatory permits (and all documents pertaining thereto, e.g., Habitat Mitigation and Monitoring Plans, Conservation Plans/Easements) that are to be secured by the Applicant for both facility construction and maintenance shall be submitted to the District for review. The regulatory permits' terms and conditions shall be approved by the District prior to improvement plan approval, map recordation, or finalization of the regulatory permits. There shall be no unreasonable constraint upon the District's ability to operate and maintain the flood control facility(ies) to protect public health and safety.

F-2

□ This project proposes channels, storm drains larger than 36 inches in diameter, or other facilities that could be considered regional in nature and/or a logical extension a District's facility, the District would consider accepting ownership of such facilities on written request by the City. The Project Applicant shall enter into a cooperative agreement establishing the terms and conditions of inspection, operation, and maintenance with the District and any other maintenance partners. Facilities must be constructed to District standards, and District plan check and inspection will be required for District acceptance. Plan check, inspection, and administrative fees will be required. The regulatory permits' terms and conditions shall be approved by the District prior to improvement plan approval, map recordation, or finalization of

Re: Ethanac Logistics Center Project, EIR/SCH 2023090525, GPA 22-05326, CZ 22-05327, TPM 22-05328 TPM 38600, DPR 22-00030, APNs 329-240-016 through 329-240-020 and 329-240-023 through 329-240-027

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the regulatory permits. There shall be no unreasonable constraint upon the District's ability to operate and maintain the flood control facility(ies) to protect public health and safety.

- ☒ This project is located within the limits of the District's Perris Valley San Jacinto River Homeland/Romoland Line A Homeland/Romoland Line B Area Drainage Plan for which drainage fees have been adopted. If the project is proposing to create additional impervious surface area, applicable fees should be paid (in accordance with the Rules and Regulations for Administration of Area Drainage Plans) to the Flood Control District or City prior to issuance of grading or building permits. Fees to be paid should be at the rate in effect at the time of issuance of the actual permit.
- ☒ An encroachment permit shall be obtained for any construction related activities occurring within District right of way or facilities, namely, Romoland Line A. However, project currently proposes to use the city maintained Romoland Master Drainage Plan Line A-11 as their adequate outlet. If a proposed storm drain connection exceeds the hydraulic performance of the existing drainage facilities, mitigation will be required. For further infonnation, contact the District's Encroachment Permit Section at 951.955.1266.

D The District's previous comments are still valid.

GENERAL INFORMATION

This project may require a National Pollutant Discharge Elimination System (NPDES) permit from the State Water Resources Control Board. Clearance for grading, recordation, or other final approval should not be given until the City has determined that the project has been granted a permit or is shown to be exempt.

If this project involves a Federal Emergency Management Agency (FEMA) mapped floodplain, then the City should require the applicant to provide all studies, calculations, plans, and other information required to meet FEMA requirements, and should further require the applicant obtain a Conditional Letter of Map Revision (CLOMR) prior to grading, recordation, or other final approval of the project and a Letter of Map Revision (LOMR) prior to occupancy.

The project proponent shall bear the responsibility for complying with all applicable mitigation measures defined in the California Environmental Quality Act (CEQA) document (i.e., Negative Declaration, Mitigated Negative Declaration, Environmental Impact Report) and/or Mitigation Monitoring and Reporting Program, if a CEQA document was prepared for the project. The project proponent shall also bear the responsibility for complying with all other federal, state, and local environmental rules and regulations that may apply.

If a natural watercourse or mapped floodplain is impacted by this project, the City should require the applicant to obtain a Section 1602 Agreement from the California Department of Fish and Wildlife and a Clean Water Act Section 404 Permit from the U.S. Anny Corps of Engineers, or written correspondence from these agencies indicating the project is exempt from these requirements. A Clean Water Act Section 401 Water Quality Certification may be required from the local California Regional Water Quality Control Board prior to issuance of the Corps 404 permit.

Vely truly yours,

a77Ji llJJ

AMY MCNEILL
Engineering Project Manager

↑
Cont.
F-2
F-3
F-4

Response to Comment Letter F – Riverside County Flood Control and Water Conservation District

Response to Comment F-1:

This comment, which does not raise an environmental issue, is noted. This comment does not provide information that changes the environmental analysis or conclusions of the Draft EIR. No new environmental issues are raised by this comment and no further analysis is required.

Response to Comment F-2:

This comment is an informational checklist and identifies that the Project is located within the limits of the District's Homeland/Romoland Line A. This information is noted in the Draft EIR, specifically within *Sections 1.0 – Executive Summary, 3.0 – Project Description, 5.6 – Hydrology and Water Quality, and 5.11 – Utility and Service Systems.*

This comment, which does not raise an environmental issue, is noted. No further analysis is required.

Response to Comment F-3:

Comment noted. This comment is an informational checklist and identifies that an encroachment permit will be required for any construction activities within Riverside County Flood Control and Water Conservation District (RCFC&WCD) facilities; specifically as it relates to Romoland Line A. This comment further and correctly points out that the Project proposes to utilize the City of Perris maintained Line A-11. As indicated in *Section 2.0 – Introduction* of the Draft EIR, the RCFC&WCD is a responsible agency. As such, the Project applicant would be required to coordinate with the RCFC&WCD for any connections to RCFC&WCD facilities.

This comment does not raise an environmental issue. No further analysis is required.

Response to Comment F-4:

This comment, which does not raise an environmental issue, is noted. This comment is informational and states that the Project may require a National Pollutant Discharge Elimination System permit, may be required to meet Federal Emergency Management Agency requirements if the Project is located within a mapped floodplain, and that the Project proponent bears responsibility for complying with all applicable mitigation measures of Draft EIR. These items are all addressed within the Draft EIR in *Sections 1.0 – Executive Summary, 4.0 – Environmental Effects Found Not to be Significant, and 5.6 – Hydrology and Water Quality.* (DEIR, pp. 1.0-42 – 1.0-68, 5.6-24 – 5.6-28)

This comment further indicates that the Project may require permitting from the California Department of Fish and Wildlife, U. S. Army Corps of Engineers, and /or the local California Regional Water Quality Control Board. As noted in *Section 4.1.4 – Biological Resources* of the Draft EIR, the Project does not impact any jurisdictional features; therefore, permits from these agencies would not be required. (DEIR, p. 4.0-7)

This comment does not provide information that changes the environmental analysis or conclusions of the Draft EIR. No new environmental issues are raised by this comment and no further analysis is required.

2.3.8 Comment Letter G – South Coast Air Quality Management District

Comment letter G commences on the next page.



SENT VIA E-MAIL:

March 29, 2024

nperez@cityofperris.org

Nathan Perez, Senior Planner

City of Perris

Planning Division

135 North "D" Street

Perris, CA 92570

**Notice of Availability of a Draft Environmental Impact Report (EIR) for the
Ethanac Logistics Center Project (Proposed Project)**

South Coast Air Quality Management District (South Coast AQMD) staff appreciate the opportunity to review the above-mentioned document. The City of Perris is the California Environmental Quality Act (CEQA) Lead Agency for the Proposed Project. To provide context, South Coast AQMD staff has provided a brief summary of the project information and prepared the following comments which are organized by topic of concern.

South Coast AQMD Staff's Summary of Project Information in the Draft EIR

Based on the Draft EIR, the Proposed Project comprises a 412,348-square-foot light industrial warehouse building on approximately 20 gross acres. The building is proposed to accommodate high-cube warehouse distribution uses, anticipating that 50,000 square feet could be utilized for cold-refrigerated storage and 15,000 square feet for supporting office uses. Based on a review of aerial photographs, South Coast AQMD staff found that the nearest sensitive receptor (e.g., residential development) is 57 ft to the Proposed Project. Construction of the Proposed Project is anticipated to occur in Fall 2024 and is expected to be completed in 2025. The Proposed Project is located on the northeast corner of Trumble Road and Ethanac Road.

South Coast AQMD Staff's Comments

Use of South Coast AQMD's Mass Rate Localized Significance Threshold (LST) Look-Up Table to Analyze the Proposed Project's Localized Operational Air Quality Impact is not Consistent with Guidance for the LST Methodology

The Proposed Project covers approximately 20 acres, and based on the Draft EIR, it is anticipated that the Project would utilize a 197-horsepower diesel-powered emergency fire water pump and a 762-horsepower diesel-powered emergency backup generator for the potential cold storage uses. The Lead Agency uses South Coast AQMD's Mass Rate LST Look-up Table¹ for five acres as a screening tool to determine if the Proposed Project's operational daily emissions

¹ South Coast AQMD Appendix C – Mass Rate LST Look-up Table. Access here:

<http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf>

G-1

G-2

of NO_x, CO, PM₁₀, and PM_{2.5} could result in a significant impact on local air quality.² However, South Coast AQMD staff developed the LST methodology for proposed projects that are less than or equal to five acres. In the event that the project area exceeds five acres, it is recommended that lead agencies perform project-specific dispersion modeling for these larger projects.³ Given the substantial size of this Project and the inclusion of two diesel-powered stationary sources, South Coast AQMD advises the Lead Agency to conduct project-specific dispersion modeling to determine operational localized air quality impacts. Therefore, South Coast AQMD staff recommend the Lead Agency to 1) perform project-specific air dispersion modeling for the Proposed Project’s operational phase emissions to determine localized air quality impacts and 2) include the results in the Final EIR.

Cont.
G-2

Ensuring Accurate Assessment of Cancer Risk: Addressing Sensitive Receptor Disparities and Point Source Alignment in the Health Risk Assessment Analysis.

Based on a review of aerial photographs, it has been observed that most sensitive receptors are predominantly situated on the eastern side of the Proposed Project. However, upon thorough examination of the AERMOD files by South Coast AQMD staff, it was noted that only 12 discrete Cartesian coordinates were identified as sensitive receptors (residential development) in the vicinity of the project site, with only two sensitive receptors located to the east. This inconsistency raises concerns about potentially underestimating cancer risk (CR), especially for receptors near the project site on the eastern side, which were not adequately accounted for in the modeling. Moreover, the two-point sources identified in the AERMOD modeling—the 197-horsepower diesel-powered emergency fire water pump and the 762-horsepower diesel-powered emergency backup generator—are currently in the exact coordinates. However, these two engines may be positioned at slightly different locations or distances, resulting in different ground-level concentrations. Therefore, it is recommended that the AERMOD model be rerun to ensure that the two-point sources are placed precisely where these two engines will be reasonably positioned at the Proposed Project site. Therefore, South Coast AQMD staff recommend that the Lead Agency take the following actions: 1) Re-evaluate the health risk impact using AERMOD model, ensuring a thorough identification of all sensitive receptors near the project site to assess the cancer risk posed to the surrounding community accurately. 2) Rerun the AERMOD model to precisely locate the two-point sources at their planned positions on the Proposed Project site.

G-3

Rule 2305: Warehouse Indirect Source Rule - Warehouse Actions and Investments To Reduce Emissions (WAIRE) Program

On May 7, 2021, South Coast AQMD’s Governing Board adopted Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program, and Rule 316 – Fees for Rule 2305. Rules 2305 and 316 are new rules that will reduce regional and local emissions of nitrogen oxides (NO_x) and particulate matter (PM), including diesel PM. These emission reductions will reduce public health impacts for communities located near warehouses from mobile sources that are associated with warehouse activities. Also, the emission reductions will help the region attain federal and state ambient air quality standards.

G-4

² Draft EIR. Appendix B1. Air Quality Impact Analysis. Pages 59 through 60.

³ Final LST Methodology, July 2008. Page 1-1, 3-3, & 3-4. Access here: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf>

Rule 2305 applies to owners and operators of warehouses greater than or equal to 100,000 square feet. Under Rule 2305, operators are subject to an annual WAIRE Points Compliance Obligation that is calculated based on the annual number of truck trips to the warehouse. WAIRE Points can be earned by implementing actions in a prescribed menu in Rule 2305, implementing a site-specific custom plan, or paying a mitigation fee. Warehouse owners are only required to submit limited information reports, but they can opt in to earn Points on behalf of their tenants if they so choose because certain actions to reduce emissions may be better achieved at the warehouse development phase, for instance the installation of solar and charging infrastructure. Rule 316 is a companion fee rule for Rule 2305 to allow South Coast AQMD to recover costs associated with Rule 2305 compliance activities. Since the Proposed Project consists of the development of a 427,224 square foot warehouse, the Proposed Project's warehouse owners and operators will be required to comply with Rule 2305 once the warehouse is occupied. Therefore, South Coast AQMD staff recommends that the Lead Agency review South Coast AQMD Rule 2305 to determine the potential WAIRE Points Compliance Obligation for future operators and explore whether additional project requirements and CEQA mitigation measures can be identified and implemented at the Proposed Project that may help future warehouse operators meet their compliance obligation⁴. South Coast AQMD staff is available to answer questions concerning Rule 2305 implementation and compliance by phone or email at (909) 396-3140 or waire-program@aqmd.gov. For implementation guidance documents and compliance and reporting tools, please visit South Coast AQMD's WAIRE Program webpage.⁵

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G-4

South Coast AQMD Air Permits and Role as a Responsible Agency

If implementation of the Proposed Project would require the use of new stationary and portable sources, including but not limited to emergency generators, fire water pumps, boilers, etc., air permits from South Coast AQMD will be required. The final CEQA document, whether a MND or EIR, should include a discussion about the potentially applicable rules that the Proposed Project needs to comply with. Those rules may include, for example, Rule 201 – Permit to Construct,⁶ Rule 203 – Permit to Operate,⁷ Rule 401 – Visible Emissions,⁸ Rule 402 – Nuisance,⁹ Rule 403 – Fugitive Dust,¹⁰ Rule 1110.2 – Emissions from Gaseous and Liquid Fueled Engines,¹¹ Rule 1113 – Architectural Coating,¹² Rule 1166 – VOC Contaminated Soil Excavation,¹³ Rule 1179 – Publicly Owned Treatment Works Operation,¹⁴ Regulation XIII –

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⁴ South Coast AQMD Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xxiii/r2305.pdf>.

⁵ South Coast AQMD WAIRE Program. Accessed at: <http://www.aqmd.gov/waire>.

⁶ South Coast AQMD. Rule 201 available at <https://www.aqmd.gov/docs/default-source/rule-book/reg-ii/rule-201.pdf>

⁷ South Coast AQMD. Rule 203 available at <https://www.aqmd.gov/docs/default-source/rule-book/reg-ii/rule-203.pdf>

⁸ South Coast AQMD. Rule 401 available at <https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-401.pdf>

⁹ South Coast AQMD. Rule 402 available at <https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf>

¹⁰ South Coast AQMD. Rule 403 available at <https://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403>

¹¹ South Coast AQMD. Rule 1110.2 available at https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1110_2.pdf

¹² South Coast AQMD. Rule 1113 available at <https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1113.pdf>

¹³ South Coast AQMD. Rule 1166 available at <https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1166.pdf>

New Source Review,¹⁵ Rule 1401 – Air Toxics,¹⁶ Rule 1466 – Control of Particulate Emissions from Soils with Toxic Air Contaminants,¹⁷ Rule 1470 – Requirements for Stationary Diesel Fueled Internal Combustion and Other Compression Ignition Engines,¹⁸ etc. It is important to note that when air permits from South Coast AQMD are required, the role of South Coast AQMD would change from a Commenting Agency to a Responsible Agency under CEQA. In addition, if South Coast AQMD is identified as a Responsible Agency, per CEQA Guidelines Sections 15086, the Lead Agency is required to consult with South Coast AQMD.

CEQA Guidelines Section 15096 sets forth specific procedures for a Responsible Agency, including making a decision on the adequacy of the CEQA document for use as part of the process for conducting a review of the Proposed Project and issuing discretionary approvals. Moreover, it is important to note that if a Responsible Agency determines that a CEQA document is not adequate to rely upon for its discretionary approvals, the Responsible Agency must take further actions listed in CEQA Guideline Section 15096(e), which could have the effect of delaying the implementation of the Proposed Project. In its role as CEQA Responsible Agency, the South Coast AQMD is obligated to ensure that the CEQA document prepared for this Proposed Project contains a sufficient project description and analysis to be relied upon in order to issue any discretionary approvals that may be needed for air permits. South Coast AQMD is concerned that the project description and analysis in its current form in the Draft EIR is inadequate to be relied upon for this purpose.

For these reasons, the final CEQA document should be revised to include a discussion about any and all new stationary and portable equipment requiring South Coast AQMD air permits, provide the evaluation of their air quality and greenhouse gas impacts, and identify South Coast AQMD as a Responsible Agency for the Proposed Project as this information will be relied upon as the basis for the permit conditions and emission limits for the air permit(s). Please contact South Coast AQMD's Engineering and Permitting staff at (909) 396-3385 for questions regarding what types of equipment would require air permits. For more general information on permits, please visit South Coast AQMD's webpage at <https://www.aqmd.gov/home/permits>.

Conclusion

As set forth in California Public Resources Code Section 21092.5(a) and CEQA Guidelines Section 15088(a-b), the Lead Agency shall evaluate comments from public agencies on the environmental issues and prepare a written response at least 10 days prior to certifying the Final EIR. As such, please provide South Coast AQMD written responses to all comments contained herein at least 10 days prior to the certification of the Final EIR. In addition, as provided by

¹⁴ South Coast AQMD. Rule 1179 available at <https://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1179.pdf>

¹⁵ South Coast AQMD. Regulation XIII available at <https://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xiii>

¹⁶ South Coast AQMD. Rule 1401 available at <https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1401.pdf>

¹⁷ South Coast AQMD. Rule 1466 available <https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1466.pdf>

¹⁸ South Coast AQMD. Rule 1470 available at <https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1470.pdf>

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G-5

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CEQA Guidelines Section 15088(c), if the Lead Agency's position is at variance with recommendations provided in this comment letter, detailed reasons supported by substantial evidence in the record to explain why specific comments and suggestions are not accepted must be provided.

Thank you for the opportunity to provide comments. South Coast AQMD staff is available to work with the Lead Agency to address any air quality questions that may arise from this comment letter. Please contact Sahar Ghadimi, Air Quality Specialist, at sghadimi@aqmd.gov should you have any questions.

Cont.
G-6

Sincerely,

Sam Wang

Sam Wang

Program Supervisor, CEQA IGR

Planning, Rule Development & Implementation

SW:SG

RVC240221-09

Control Number

Response to Comment Letter G – South Coast Air Quality Management District

Response to Comment G-1:

This is an introductory comment acknowledging that South Coast Air Quality Management District (AQMD) staff reviewed the Draft EIR and provides a brief summary of their comments and recommended revisions, which are then detailed in the subsequent comments and are responded to herein. The South Coast AQMD also provides an accurate summary of the proposed Project. No new environmental issues are raised by this comment.

Response to Comment G-2:

This comment states that the South Coast AQMD's Mass Rate Localized Threshold (LST) Look-Up Table used to analyze the Project's localized impacts is not consistent with LST Methodology guidance. This statement is not correct. As described in the Draft EIR, Project construction activities would disturb less than five total acres per day. The Project's construction activities would disturb approximately 3.5 acres per day during site preparation and 4.0 acres per day during grading activities. Consistent with South Coast AQMD guidance, the LSTs were calculated by interpolating the threshold values for the Project's disturbed acreage. (DEIR, p. 5.1-30). As shown in **Table 5.1-H, Localized Construction Emissions Summary** and **Table 5.1-I, Localized Operation Emissions Summary**, Project emissions were less than the South Coast AQMD's LST thresholds of significance. Therefore, impacts were appropriately determined to be less than significant and no mitigation was required.

Although the use of the South Coast AQMD's Mass Rate LST Look-up tables provides for a conservative screening analysis for localized impacts, air dispersion modeling utilizing AERMOD version 23132 has been performed for construction and operational emissions for informational purposes only in response to this comment. Modeling in AERMOD was performed consistent with South Coast AQMD recommendations, with emissions modeled using volume sources covering the Project site. For construction emissions, fugitive dust emissions were modeled as a ground-based area source, while volume sources were used for construction equipment exhaust emissions. In order to account for operational emissions that would occur on-site, a separate CalEEMod run was prepared utilizing a trip length of 0.75 mile for all vehicles. As shown below in **Table 2.0-B, Localized Significance Summary – Peak Construction** and **Table 2.0-C, Localized Significance Summary – Peak Operations**, below, Project construction and operational emissions at the maximally exposed receptor location would not exceed South Coast AQMD localized significance thresholds. AERMOD localized emissions dispersion modeling outputs are presented in *Attachment G.1 – AERMOD Localized Emission Modeling Outputs*, below. All attachments are presented in *Section 2.3 – Response to Comments Attachments*.

Table 2.0-B, Localized Significance Summary – Peak Construction

Peak Construction	CO		NO ₂	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.06	0.03	1.92E-02	1.82	0.87
Background Concentration ^A	0.9	0.8	0.044		
Total Concentration	0.96	0.83	0.06	1.82	0.87
South Coast AQMD Localized Significance Thresholds	20	9	0.18	10.4	10.4
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data. Per SCAQMD LST guidance, PM₁₀ and PM_{2.5} background concentrations are not considered.

Notes: PM₁₀ and PM_{2.5} concentrations are expressed in micrograms per cubic meter (µg/m³). All others are expressed in parts per million (ppm).

Table 2.0-C,**Localized Significance Summary – Peak Operations**

Peak Operations	CO		NO ₂	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	4.63E-02	2.21E-02	4.51E-03	0.27	0.12
Background Concentration ^A	0.9	0.8	0.044		
Total Concentration	0.95	0.82	0.05	0.27	0.12
South Coast AQMD Localized Significance Thresholds	20	9	0.18	2.5	2.5
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data. Per South Coast AQMD LST guidance, PM₁₀ and PM_{2.5} background concentrations are not considered.

Notes: PM₁₀ and PM_{2.5} concentrations are expressed in micrograms per cubic meter (µg/m³). All others are expressed in parts per million ppm.

The supplemental localized significance analysis discussed above confirmed the Draft EIR's less than significant impact determination that was derived through use of the South Coast AQMD's Mass Rate LST Look-up tables. This amplification of the analysis in the Draft EIR does not change any of the conclusions of the air quality analysis because there are no new or significant impacts identified. Therefore, the supplemental air quality analysis does not constitute significant new information that would require recirculation of the Draft EIR pursuant to State CEQA Guidelines Section 15088.5. No additional analysis or revisions to the Draft EIR are required.

Response to Comment G-3:

This comment states that the analysis did not consider all existing sensitive receptors that are located on the east side of the Project site. Thus, the Commenter is concerned that the Project's cancer risk is potentially underestimated. This statement is not correct.

As described in the Draft EIR, the *Health Risk Assessment (HRA)* analysis was performed using a total of 12 discrete receptors, which were placed at the locations of the nearest residences, schools, and workplaces. The six receptor locations that experienced the highest pollutant concentrations are shown in **Figure 5.1-1, Project HRA Receptor Locations** (DEIR, pp. 5.1-7- 5.1-8). Because receptors were placed at the nearest residences, schools, and workplaces, the maximally exposed resident, worker, and school child is accounted for in the analysis. (DEIR, pp. 5.1-40 - 5.1-41). Nonetheless, the analysis has been supplemented to include additional receptors, including sensitive receptors placed at residences to the east and north of the Project site, for a total of 33 receptors. As shown in the supplemental air dispersion modeling results provided in *Attachment G.2 – AERMOD HRA Modeling Outputs*, below, with the addition of these receptors, the maximum risk and the locations of the maximally exposed individual sensitive receptors, workers, and school children would remain unchanged. All attachments are presented in *Section 2.3 – Response to Comments Attachments*.

With respect to the comment indicating that the point sources for the emergency fire pump and emergency generator are placed in the same location, because the precise placement of these engines would not be known until final architectural plans for the proposed building are completed, the two emergency engines were placed in the utility area of the proposed building. However, it is expected that the two emergency engines sources would be installed at approximately the same location within the Project site.

The results of the supplemental air dispersion modeling results, which amplified the original *HRA* (Draft EIR, Appendix B.2) by modeling additional sensitive receptors as recommended by the Commenter, confirmed the less than significant conclusion disclosed in the Draft EIR. Hence, this comment does not constitute significant new information that would require recirculation of the Draft EIR pursuant to State CEQA Guidelines Section 15088.5, because there are no new or significant impacts identified.

Because no new environmental issues are raised by this comment, no revisions to the Draft EIR are required.

Response to Comment G-4:

The comment related to compliance with South Coast AQMD Rule 2305: Warehouse Indirect Source Rule is noted. As stated in *Section 3.10 – Discretionary Actions and Approvals* and *Section 3.9.1 – City of Perris Good Neighbor Guidelines* of the Draft EIR, the proposed Project would be required to comply with the requirements of South Coast AQMD Rule 2305. (DEIR, pp. 3-36, 3-40.)

This comment does not question the content or conclusions of the Draft EIR. Therefore, no additional analysis or revisions to the Draft EIR are required.

Response to Comment G-5:

This comment, related to South Coast AQMD Air Permits and the South Coast AQMD's role as a responsible agency, is noted. *Section 2.0 – Introduction* of the Draft EIR, identified South Coast AQMD as a responsible agency on page 2.0-2.

Although the end users of the proposed Project are not known, the analysis in the Draft EIR, specifically *Section 5.1 – Air Quality*, conservatively assumed the Project would include installation of a diesel-powered emergency generator and emergency fire pump. (DEIR, p. 5.1-28). Should these stationary sources be installed at the Project site, the facility would be required to comply with all applicable South Coast AQMD rules, including Rule 219. *Section 5.1.2 – Related Regulations* of the Draft EIR, on page 5.1-15 would be clarified to include Rule 219 in the list of rules that may apply to certain operations of the proposed Project as follows:

Rule 219

The purpose of this rule is to identify equipment, processes, or operations that emit small amounts of air contaminants that shall not require written permits. Written permits would not be required for certain operations that include, but are not limited to, mobile equipment, combustion and heat transfer equipment (with a manufacturer's rating of 50 brake horsepower or less), and utility equipment.

As identified in *Section 3.10 – Discretionary Actions and Approvals* of the Draft EIR, should the proposed Project require installation of equipment subject to South Coast AQMD permitting requirements, the Project applicant or end user would be required to submit an application with detailed equipment specifications. (DEIR, p. 3.0-40). Additionally, as part of the permit application process, the applicant would be required to demonstrate that emissions generated by the equipment would not result in significant health impacts.

This comment does not question the content or conclusions of the Draft EIR. Therefore, no additional analysis or revisions to the Draft EIR are required.

Response to Comment G-6:

This comment does not question the content or conclusions of the Draft EIR. Therefore, no additional analysis or revisions to the Draft EIR are required.

2.3.9 Comment Letter H – Advocates for the Environment

Comment letter H commences on the next page.

April 8, 2024

Advocates for the Environment

A non-profit public-interest law firm
and environmental advocacy organization



Nathan Perez
Senior Planner
City of Perris – Planning Division
135 North “D” Street
Perris, CA 92570

Via U.S. Mail and email to NPerez@cityofperris.org

Re: Comments on the Draft Environmental Impact Report for the Ethanac Logistics Center Project, SCH No. 2023090525

Dear Mr. Perez:

Advocates for the Environment submits the comments in this letter regarding the proposed Ethanac Logistics Center Project (**Project**), located near the intersection of Trumble Road and Ethanac Road the City of Perris (**City**). This Project proposes to construct a 412,348 square-foot warehouse, with 50,000 square feet of cold-refrigerated storage, operating 24/7 on the 32-acre Project site.

We are a non-profit public-interest law firm that uses environmental law to fight to improve the environment in California. We have reviewed the Environmental Impact Report (**EIR**) released in February 2024 and submit comments regarding the sufficiency of the EIR’s Greenhouse-Gas (**GHG**) analysis under the California Environmental Quality Act (**CEQA**).

The City Should Require the Project to be Net-Zero

Given the current regulatory context and technological advancements, a net-zero significance threshold is feasible and extensively supportable. GHG emissions from buildings, including indirect emissions from offsite generation of electricity, direct emissions produced onsite, and from construction with cement and steel, amounted to 21% of global GHG emissions in 2019. (IPCC Sixth Assessment Report, Climate Change 2022, WGIII, Mitigation of Climate Change, p. 9-4.) This is a considerable portion of global GHG emissions.

It is much more affordable to construct new building projects to be net-zero than to obtain the same level of GHG reductions by expensively retrofitting older buildings to comply with climate change regulations. Climate damages will keep increasing until we reach net zero GHG emissions, and there is a California state policy requiring the state to be net-zero by 2045. It therefore is economically unsound to construct new buildings that are not net-zero.

Environmental groups have achieved tremendous outcomes by litigation under CEQA. Two of the largest mixed-use development projects in the history of California, Newhall Ranch

H-1

H-2

(now FivePoint Valencia), and Centennial (part of Tejon Ranch) decided to move forward as net-zero communities after losing CEQA lawsuits to environmental groups. The ability for these large projects to become net-zero indicates that it is achievable, even for large-scale developments. The Applicant for this Project should do the same.

We urge the City to adopt net-zero as the GHG significance threshold for this project. This threshold is well-supported by plans for the reduction of GHG emissions in California, and particularly the CARB Climate Change Scoping Plans. The CARB 2017 Scoping Plan states that “achieving no net additional increase in GHG emissions, resulting in no contribution to GHG impacts, is an appropriate overall objective for new development.” (CARB 2017 Scoping Plan, p. 101.) Additionally, the CARB 2022 Scoping Plan reaffirms the necessity of a net zero target by expressing: “it is clear that California must transition away from fossil fuels to zero-emission technologies with all possible speed ... in order to meet our GHG and air quality targets.” (CARB 2022 Scoping Plan, p. 184.) CARB further encourages a net-zero threshold in its strategies for local actions in Appendix D to the 2022 Scoping Plan. (CARB 2022 Scoping Plan, Appendix D p. 24-26.)

Moving this Project forward as a net-zero project would not only be the right thing for the City to do, but also would also help protect the City and the Applicant from CEQA GHG litigation.

H-2
Cont.

CEQA GHG Significance Analysis

The EIR derived its GHG significance thresholds from the CEQA Appendix G Guidelines and concluded that the Project’s GHG emissions would be less than significant, claiming that the Project would not generate GHG emissions that may have a significant impact, and that the Project would be consistent with plans, policies, and regulations for the reduction of GHG emissions. (EIR, p. 5.5-30; p. 5.5-32.) The EIR used CalEEMod to quantify the Project’s annual emissions at 3,234.13 metric tons carbon dioxide equivalent (MTCO_{2e}) per year. (EIR, p. 5.5-32.)

H-3

The Chosen Threshold Is Not Supported by Substantial Evidence

As the basis for its significance determination, the City chose a significance threshold of 10,000 MTCO_{2e}. (EIR, p. 5.5-30.) However, there is no evidence in the record to support the City’s choice of significance threshold.

A lead agency must support its chosen threshold by substantial evidence. (CEQA Guidelines § 15064.7(b).) The City has not done so here. In particular, CEQA requires that significance determinations are based on current regulations, as well as scientific and factual data. (CEQA Guidelines §§ 15064.4(b).) Thus, thresholds which are not aligned with

H-4

California's current reduction goals are outdated. Here, the City failed to analyze or provide support for why the threshold applies to this Project, or how it adheres to California's current GHG reduction goals, which is a clear violation of CEQA's mandate to support the chosen significance threshold with data.

The chosen threshold of 10,000 MTCO₂e adopted by the SCAQMD does not address Senate Bill 32 (**SB 32**). (See California Air Resources Board 2022 Climate Change Scoping Plan, Appendix D, p. 26, footnote 67.)¹ Consequently, it is not aligned with California's current regulatory scheme and therefore is an outdated threshold not supported by substantial evidence.

In fact, the EIR failed to account for SB 32 entirely in its significance analysis of Impact GHG-1. The implementation of SB 32 is carried out by the California Air Resources Board (**CARB**). CARB's 2017 Scoping Plan (**2017 Scoping Plan**) reflects SB 32's GHG emissions reduction goal of 40% below 1990 levels by 2030. To assess statewide implementation of this goal, the 2017 Scoping Plan created a per-capita target of 6 MTCO₂e by 2030 (2017 Scoping Plan, p. 99.) Here, the Project's emissions would be approximately 8 MTCO₂e per service population,² exceeding the target necessary to achieve SB 32's goal as reflected in the CARB 2017 Scoping Plan. Accordingly, the fact that the Project's GHG emissions estimate does not exceed the SCAQMD's recommended threshold of 10,000 MTCO₂e does not provide substantial evidence that the Project would have a less than significant impact in accordance with California's current regulatory scheme.

Additionally, ten thousand tons is a very large amount of GHG emissions for an individual project. The EIR does not justify its choice of the 10,000-ton threshold instead of the thresholds recommended or adopted by other air districts, such as the 1,100 MTCO₂e threshold recommended by the Sacramento Metro Air Quality Management District,³ or the County of San Bernardino's 3,000 MTCO₂e per year screening level,⁴ either of which the Project would exceed. This 10,000-ton numeric threshold is not supported by substantial evidence.

¹ Located at: <https://ww2.arb.ca.gov/sites/default/files/2022-11/2022-sp-appendix-d-local-actions.pdf>

² $3,234.13 \text{ MTCO}_2\text{e per year} \div 399 \text{ employees} = 8.1 \text{ MTCO}_2\text{e per capita}$

Employment information obtained from CalEEMod "jobs," located at: <https://ceqanet.opr.ca.gov/2023090525/2>.

³ See Greenhouse Gas Thresholds for Sacramento County, SMAQMD

<https://www.airquality.org/LandUseTransportation/Documents/SMAQMDGHGThresholds2020-03-04v2.pdf>

⁴ See County of San Bernadino Greenhouse Gas Emissions Development Review Process Screening Tables, available at:

https://www.sbcounty.gov/uploads/LUS/GreenhouseGas/GHG_2021/GHG%20Revised%20Screening%20Tables%20-%20Adopted%209-20-2021.pdf

H-4
Cont.

Consistency with Identified Applicable Plans

The EIR included a discussion of the 2022 Scoping Plan and the Perris CAP as an indication that the Project would not conflict with an applicable plan, policy, or regulation for GHG emissions reductions. This significance analysis violates CEQA by erroneously overlooking the Project's conflict with the 2022 Scoping Plan and failing to acknowledge and analyze all applicable plans for the reduction of GHGs.

The 2022 Scoping Plan sets a goal for 50% of all industrial energy demand to be electrified by 2045 (2022 CARB Scoping Plan, p. 77).⁵ The EIR makes no showing that the Project is consistent with this goal. The 2022 CARB Scoping Plan also places particular emphasis on decarbonizing industrial facilities by "displacing fossil fuel use with a mix of electrification, solar thermal heat, biomethane, low- or zero-carbon hydrogen, and other low-carbon fuels to provide energy for heat and reduce combustion emissions" (2022 CARB Scoping Plan, p. 208). Again, the Project does not appear to be consistent with this goal, based on the analysis provided in the EIR. The Project creates a conflict with the 2022 Scoping Plan by its heavy reliance on diesel fuel in its operations.

H-5

The EIR Should Have Analyzed All Applicable Plans

The City chose, as its second GHG threshold, whether the Project would "[c]onflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases." (EIR, p. 5.5-32.) This language requires that the EIR analyze the Project's consistency with all other applicable plans, not just the plans that the City prefers to analyze.

An agency must consider a project's GHG impact over time to reasonably evaluate the full extent of environmental impact as CEQA requires. The City estimated that the Project lifespan would be 30 years, as indicated by the 30-year amortization period. Accordingly, the Project must show consistency with long-term State GHG goals to comply with CEQA. In particular, the EIR must also demonstrate consistency with Executive Order B-55-18 (EO B-55-18), the 2017 CARB Scoping Plan, and the 2022 CARB Scoping Plan.

H-6

EO B-55-18 requires the State of California to achieve carbon neutrality—net zero GHG emissions—by 2045. The Project is inconsistent with EO B-55-18 because it does not prohibit the use of gasoline, diesel, and natural gas. In fact, the Project would use cold storage which uses refrigeration, typically powered by non-renewable energy. Burning such non-renewable fuels results in substantial GHG emissions, preventing the Project from ever achieving carbon neutrality, unless it enters into agreements with the applicant and/or future tenant to ensure that fossil fuel use is on track to be eliminated by 2045. Additionally, the Project involves truck

⁵ 2022 Scoping Plan located at: <https://ww2.arb.ca.gov/sites/default/files/2023-04/2022-sp.pdf>

fleets, including 38 refrigerated truck trips per day, which would amount to a considerable use of non-renewable, GHG-emitting fuels. Thus, the Project would conflict with EO B-55-18. As stated by the City's chosen threshold, conflict with *any* applicable policy would be a significant GHG impact.

H-6
Cont.

The 2017 Scoping Plan was developed to facilitate California's compliance with SB 32, which requires statewide GHG emissions to be reduced to 40% below 1990 levels by 2030. (Health & Safety Code § 38566.) The EIR did not discuss how the Project is consistent with any of the goals, including the 2050 goal of 80% below 1990 levels. The 2017 Scoping Plan also sets out statewide goals for total GHG emissions targets of 6 MTCO_{2e}/capita by 2030, and 2 MTCO_{2e}/capita by 2050 (CARB Scoping Plan, p. 99). With the Project's net operational GHG emissions at 3,234.13 MTCO_{2e} annually, and 399 jobs, the Project's per-service population GHG emissions would be over 8 MTCO_{2e}/capita, more than four times the 2050 target. This target would need to be achieved within the Project's 30-year lifespan, making the Project inconsistent with the goals set out by the CARB 2017 Scoping Plan.⁶

H-7

Consequently, because the Project is inconsistent with applicable plans for the reduction of GHGs, it is significant under the second threshold.

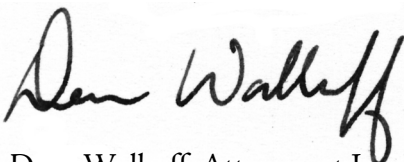
Conclusion

In conclusion, the conclusion of less-than-significant GHG impact violates CEQA because the chosen threshold of 10,000 tons was not supported by substantial evidence and it lacked a basis in policy and scientific understanding. There is a fair argument that the Project would not be consistent with applicable plans, policies, and regulations for the reduction of GHGs. The Project's impacts may therefore be significant.

H-8

Please put Advocates for the Environment on the list of interested parties to receive updates about the progress of this potential project approval. We make this request under Public Resources Code, section 21092.2.

Sincerely,



Dean Wallraff, Attorney at Law
Executive Director, Advocates for the Environment

⁶ $3,234.13 \text{ MTCO}_2\text{e per year} \div 399 \text{ employees} = 8.1 \text{ MTCO}_2\text{e per capita}$

Response to Comment Letter H – Advocates for the Environment

Response to Comment H-1:

The Commenter remarks regarding the Project and the Draft EIR are acknowledged. The Commenter summary description of the Project is materially correct. The mission statement of Advocates for the Environment is acknowledged. Responses to comments offered by Advocates for the Environment are presented herein.

Based on the responses provided herein, substantial evidence presented in the EIR, and the whole record before the Lead Agency, no revisions to the Draft EIR are required. The findings and conclusions of the Draft EIR are not affected.

Response to Comment H-2:

The Commenter statements regarding greenhouse gas (GHG) emissions sources, effects of GHG emissions, recent GHG litigation, and GHG net-zero targets are recognized. The commenter refers to two unrelated development projects which voluntarily chose to be “net-zero” and refers to text in the 2017 California Air Resource Board (CARB) Scoping Plan that indicates that no net additional increase in GHG emissions is an appropriate overall objective. CARB has established a “net-zero” target for the state, but at present there are no state or local requirements for individual developments to achieve a net-zero GHG contribution. The Project conforms with incumbent GHG emissions reductions policies and regulations and is consistent with provisions of the City’s Climate Action Plan (CAP) (DEIR, p. 5.5-26). In this manner, the Project promotes attainment of CARB’s statewide net-zero target.

Moreover, the Draft EIR and appended GHG technical analysis substantiate that the Project GHG emissions impacts would be less than significant (DEIR p. 5.5-26, DEIR Appendix B.3). Project contributions to statewide GHG emissions would similarly be less than significant.

The Scoping Plan citation by the commenter is acknowledged. The Scoping Plan also states, “Achieving net zero increases in GHG emissions, resulting in no contribution to GHG impacts, may not be feasible or appropriate for every project, however, and the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA. Lead agencies have the discretion to develop evidence-based numeric thresholds (mass emissions, per capita, or per service population) consistent with this Scoping Plan, the State’s long-term GHG goals, and climate change science. (Scoping Plan, p.102)

In addition, the 2022 CARB Scoping Plan cautions against using net-zero targets and specifically notes that jurisdictions considering a net-zero target should carefully consider the implications it may have on emissions in neighboring communities and beyond. Appendix D of the Scoping Plan states, “Jurisdictions should also avoid creating targets that are impossible to meet as a basis to determine significance. For example, a net-zero target may imply that the GHG emissions of any project that are not reduced or offset to zero would be considered potentially significant. This may lead to undue burdens and frustrate project approval processes, which may be particularly problematic for residential development in climate-smart, infill areas. In addition, some jurisdictions have more land capacity to remove and store carbon, while others host GHG-emitting facilities that serve necessary functions and will take time to transition to new technology.” (Scoping Plan Appendix D, p. 18)

Moreover, the City finds that application of a net-zero threshold is unprecedented for warehouse projects and would effectively result in a moratorium on such facilities within the City. While application of a net-

zero threshold may be appropriate and achievable for certain projects, it is not appropriate to apply such a threshold to warehouse projects where the vast majority of operational GHG emissions result from mobile-source emissions.

Project GHG emissions modeling and findings based on that modeling conform to professional best practices and employ the latest available modeling protocols. Specifically, the detailed information and modeling presented in the Draft EIR and supporting technical analyses appended to the Draft EIR were prepared by experts with more than 30 years of combined experience in the field of air quality and GHG emissions impacts analysis. As also substantiated within *Section 5.5 – Greenhouse Gas Emissions* of the Draft EIR and within these responses, the Project would result in less than significant GHG emissions impacts. (DEIR, pp. 5.5-30 – 5.5-33). The Lead Agency has made a good-faith effort, based on the extent possible on scientific and factual data, to describe, calculate and estimate the amount of greenhouse gas emissions resulting from the Project. The Draft EIR provides sufficient and adequate information enabling decision-makers to make a decision regarding the project taking into account the Project's potential environmental consequences. Please refer also to subsequent *Response to Comments H-3 through H-8*, presented herein.

Adoption and implementation of a City “net-zero GHG emission threshold” as suggested by the commenter is beyond the scope of the Project and the Draft EIR. These comments are forwarded to the decision-makers for their consideration. The comments provided do not raise issues related to the adequacy, accuracy, or completeness of the Draft EIR.

Based on the preceding, substantial evidence presented in the Draft EIR, and the whole record before the Lead Agency, no revisions to the Draft EIR are required. Findings and conclusions of the Draft EIR are not affected.

Response to Comment H-3:

This comment is noted. As noted by the commenter, the Draft EIR substantiates that Project GHG emissions impacts would be less than significant. The Draft EIR GHG analysis comprises substantial evidence supporting this conclusion. This comment does not question the content or conclusions of the Draft EIR. Therefore, no additional analysis or revisions to the Draft EIR are required.

Response to Comment H-4:

The commenter contends that the “SCAQMD’s numerical threshold is not supported by substantial evidence.” The Lead Agency disagrees. The South Coast AQMD is the expert air quality agency in the southern California region. As stated in the Draft EIR, the South Coast AQMD has incorporated its adopted 10,000 MTCO₂e/year threshold for industrial projects into its latest (2023) South Coast AQMD Air Quality Significance Thresholds document that is published for use by local agencies (DEIR, p. 5.5-30). The South Coast AQMD’s 10,000 MTCO₂e per year threshold of significance for industrial projects is widely adopted and used by Lead Agencies throughout Southern California. Further, the South Coast AQMD provides substantial evidence that its thresholds are consistent with policy goals and 2050 GHG emissions reduction targets set by the State. Air districts typically act in an advisory capacity to local governments in establishing the framework for environmental review of air pollution impacts under CEQA. This may include recommendations regarding significance thresholds, analytical tools to estimate emissions and assess impacts, and mitigations for potentially significant impacts. Therefore, the City’s decision to utilize the 10,000 MTCO₂e per year threshold of significance in its discretion as Lead Agency is supported by substantial evidence.

Based on the preceding, substantial evidence presented in the Draft EIR, and the whole record before the Lead Agency, no revisions to the Draft EIR are required. Findings and conclusions of the Draft EIR are not affected.

Response to Comment H-5:

The Project will not utilize natural gas for the building envelope and therefore is consistent with the Scoping Plan's goal of building decarbonization. (DEIR pp. 5.1-27 and 5.3-19). With regard to remaining measures pertaining to fossil fuel use, as stated in the DEIR, "Included in the 2022 Scoping Plan is a set of Local Actions (Appendix D to the 2022 Scoping Plan) aimed at providing local jurisdictions with tools to reduce GHGs and assist the state in meeting the ambitious targets set forth in the 2022 Scoping Plan. Appendix D to the 2022 Scoping Plan includes a section on evaluating plan-level and project-level alignment with the State's Climate Goals in CEQA GHG analyses. In this section, CARB identifies several recommendations and strategies that should be considered for new development in order to determine consistency with the 2022 Scoping Plan. Notably, this section is focused on Residential and Mixed-Use Projects, in fact CARB states in Appendix D, '...focuses primarily on climate action plans. (CAPs) and local authority over new residential development. It does not address other land use types (e.g., industrial) or air permitting.' "

As stated in *Section 5.5.2 – Related Regulations* of the Draft EIR, "Additionally, Appendix D, CARB states, 'The recommendations outlined in this section apply only to residential and mixed-use development project types. California currently faces both a housing crisis and a climate crisis, which necessitates prioritizing recommendations for residential projects to address the housing crisis in a manner that simultaneously supports the State's GHG and regional air quality goals. CARB plans to continue to explore new approaches for other land use types in the future.' As such, it would be inappropriate to apply the requirements contained in Appendix D of the 2022 Scoping Plan to any land use types other than residential or mixed-use residential development." (DEIR p. 5.5-13).

The analysis within the Draft EIR, responses provided herein, and the whole record before the Lead Agency clearly support the conclusion that the Project would result in less than significant GHG emissions impacts. Stated otherwise, the Project **would not** create an additional large source of GHG emissions from non-renewable sources or conflict with the 2022 Scoping Plan.

Based on the preceding, substantial evidence presented in the Draft EIR, and the whole record before the Lead Agency, no revisions to the Draft EIR are required. Findings and conclusions of the Draft EIR are not affected.

Response to Comment H-6:

The Commenter incorrectly implies that the 30-year amortization of Project *construction* emissions establishes a 30-year deadline by which the Project must achieve Scoping Plan targets. The Project's largest source of GHG emissions (which are less than significant) is mobile sources, which would be reduced by mandatory vehicle emissions regulations over the life of the Project. Please also refer to *Response to Comment H-5*, above.

The State of California is regulating and requiring the use of cleaner trucks. CARB's *Truck and Bus Regulation*, which was adopted by CARB in 2008, requires that all diesel truck fleets operating in California adhere to an aggressive schedule for upgrading and replacing heavy-duty truck engines. Beginning January 1, 2023, all heavy trucks operating on California roads must have engines that meet 2010 emissions standards. Lighter trucks (those with a gross vehicle weight rating of 14,001 to 26,000 pounds) adhered to a similar schedule and were all replaced by 2020. Furthermore, in mid-2022, CARB

passed a landmark rule that will require all trucks sold in California to be zero-emission by 2045. As stated by CARB, “The ‘Heavy-Duty Low NOX Omnibus Regulation’ will require manufacturers to comply with tougher emissions standards, overhaul engine testing procedures, and further extend engine warranties to ensure that emissions of NOx are reduced.” CARB then-Chair Mary D. Nichols is quoted stating that “[t]his regulation ensures that conventional diesel trucks will run as cleanly as possible at every point in their duty cycle. It takes a significant bite out of smog-forming pollution in every region in the state....”³

The imposition of additional requirements by the City to control mobile source GHG emissions above and beyond those presented in the Draft EIR are not necessary because the progression toward clean truck technologies is already occurring as regulated by the State; and because the Project’s GHG impacts are less than significant without the need for mitigation. The Project applicant, future tenants, and the City are limited in their ability to regulate and enforce the types of vehicles that would access the Project site, and current industry practices and technological constraints preclude the inclusion of mitigation that places restrictions on the types of trucks that would access the Project.

The vast majority of trucks traveling throughout the State and nation are diesel-fueled, as currently permitted by State and federal laws and regulations. CARB and the U.S. Environmental Protection Agency are the only two agencies empowered to regulate mobile sources (i.e., automobiles and trucks). These agencies have consistently set more stringent regulations to reduce mobile source emissions and are expected to continue to do so; however, current regulations do allow for the use of diesel-fueled trucks, and the City does not have the jurisdictional authority to regulate the types of vehicles that would access the Project site. If CARB’s desire is to require cleaner-than-presently-required engines, it is within CARB’s ability to do so. At present, CARB’s Truck and Bus Regulation is in place, which would require the Project’s future building tenants to comply with the applicable phase-in timelines required by state regulation to ensure that any heavy trucks serving the Project would meet engine requirements.

Additionally, in June 2020, CARB adopted the Advanced Clean Trucks Regulation that requires truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California will be required to be zero-emission. When commercial availability of electric-powered long-haul trucks is more readily available in the future, it is expected that such trucks will be part of the Project’s operation. The regional and nation-wide goods movement sector inherently relies on a combination of various truck fleets composed of primarily diesel-powered trucks to deliver goods to their destinations. Warehouse tenants typically rely on a mix of both corporate fleets and independent owner-operator trucks to deliver goods to their destinations. While some tenants of industrial facilities have their own fleets, many tenants rely on a mix of both corporate fleets and independent owner-operators, and thus cannot control the types of trucks that are accessing their facilities.

The City acknowledges that the transportation sector is making strides in developing technologies that will reduce air pollutant and GHG emissions over time, and the City will promote and advance their use as they are developed and implemented on a wide scale; however, many of these advancements, such

3. California Air Resources Board, *California adopts strong new regulation to further reduce smog-forming pollution from heavy-duty diesel trucks*, dated August 28, 2020. Release No. 20-22(Available at <https://ww2.arb.ca.gov/news/california-adopts-strong-new-regulation-further-reduce-smog-forming-pollution-heavy-duty>, accessed April 14, 2024)

as electric trucks that would eliminate and/or substantially reduce the Project's GHG emissions, are in their early stages and not yet commercially available or viable in mass.

The Commenter statements regarding Executive Order EO B-55-18 are erroneous. EO B-55-18 establishes broad statewide goals, policies and programs that would move the state toward carbon neutrality and reduce GHG emissions generally. EO B-55-18 does not establish any local or development-level regulations. EO B-55-18 does not prohibit use of gasoline, diesel, natural gas, or burning non-renewable fuels. Notwithstanding, the Project building will not utilize natural gas.

Statewide "net-zero" GHG emissions targets are acknowledged. At present, there is no requirement for individual developments to achieve a net-zero GHG contribution. The Project conforms with incumbent GHG emissions reductions policies and regulations and is consistent with provisions of the CAP (DEIR, p. 5.5-26) and responses presented herein. The Draft EIR analysis and responses provided herein comprise substantial evidence supporting the conclusion that the Project would not result in substantial GHG emissions. The Project would be required to conform to updated GHG reduction targets and policies/programs adopted to achieve those targets as these policies/programs and targets become effective and enforceable. This would include any State future requirements that individual developments demonstrate carbon neutrality.

Based on the preceding, substantial evidence presented in the Draft EIR, and the whole record before the Lead Agency, no revisions to the Draft EIR are required. Findings and conclusions of the Draft EIR are not affected.

Response to Comment H-7:

The Commenter offers an alternative analysis of GHG emissions impacts citing statewide per/capita GHG emissions goals. Statewide GHG emissions/per capita goals and targets are acknowledged. However, there is no requirement for individual developments to achieve Statewide GHG emissions/per capita goals. For individual development proposals such as the Project considered here, it is the Lead Agency's prerogative and responsibility to establish appropriate GHG emissions thresholds. (See *Response to Comment H-4*, above). As substantiated in *Section 5.5 – Greenhouse Gas Emissions* of the Draft EIR, Project GHG emissions would not exceed the Lead Agency quantified GHG impact significance thresholds. Nor would the Project otherwise result in potentially significant GHG emissions impacts. As supported by Draft EIR analysis, the Responses presented here, the whole record before the Lead Agency, the Project would not conflict with applicable plans, policies, and regulations adopted for the purpose of reducing GHG emissions. Nor would the Project otherwise result in significant GHG emissions impacts. Please also refer to *Responses to Comment H-5* and *Response to Comment H-6*, above.

Based on the preceding, substantial evidence presented in the Draft EIR, and the whole record before the Lead Agency, no revisions to the Draft EIR are required. Findings and conclusions of the Draft EIR are not affected.

Response to Comment H-8:

Please refer to *Response to Comment H-2* and *Response to Comment H-4* to *Response to Comment H-7* above. The Draft EIR is supported by substantial evidence and commenter's reference to a "fair argument" of significant impacts is inapplicable. (See CEQA Guidelines § 15384).

The Commenter requests that Advocates for the Environment be included on the interest list to receive updates about the progress of this Project. Consistent with Public Resources Code, Section 21092.2,

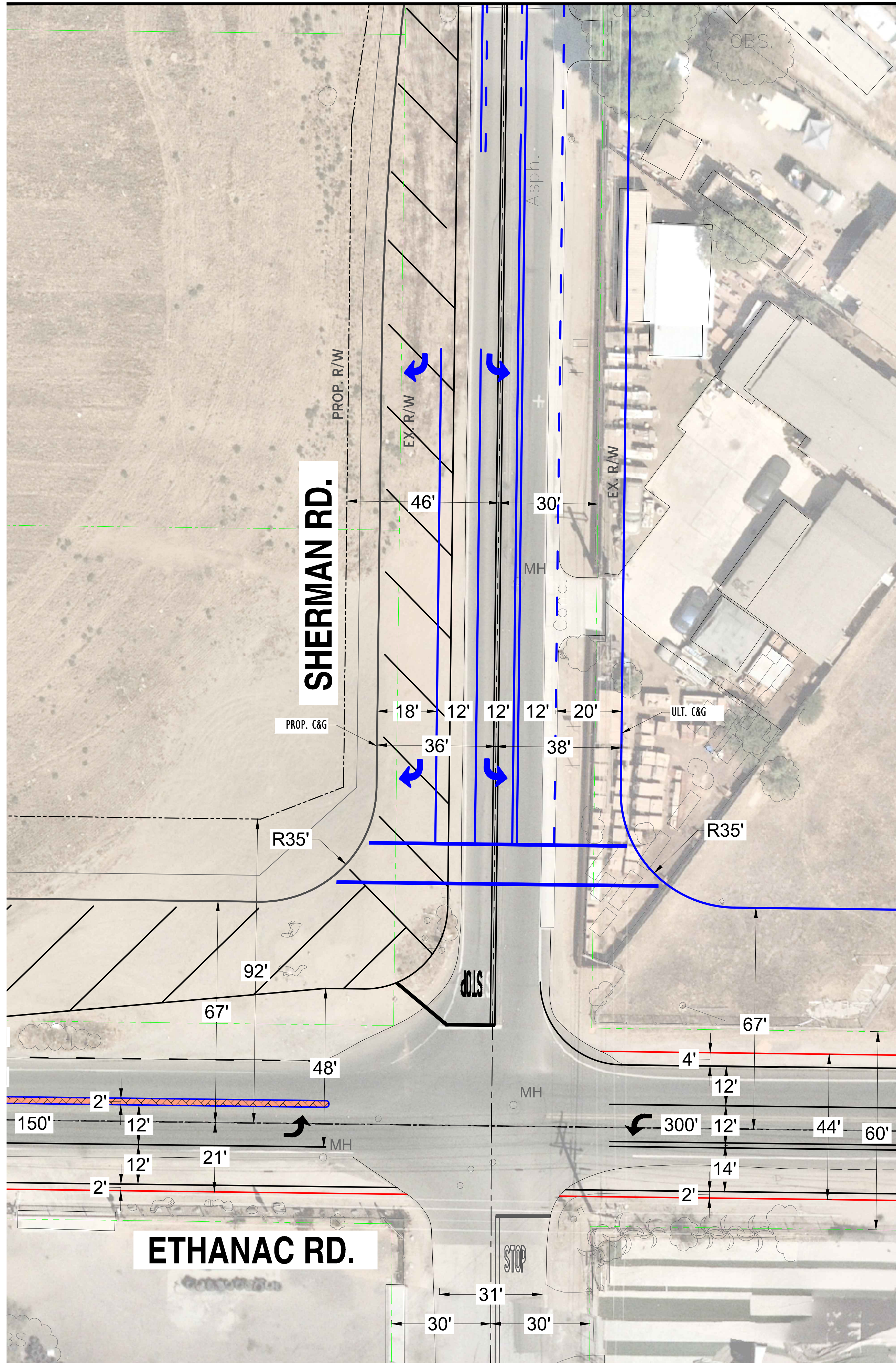
the Lead Agency will include Advocates for the Environment on the interest list to receive updates about the progress of this Project.

2.4 Response to Comment Attachments

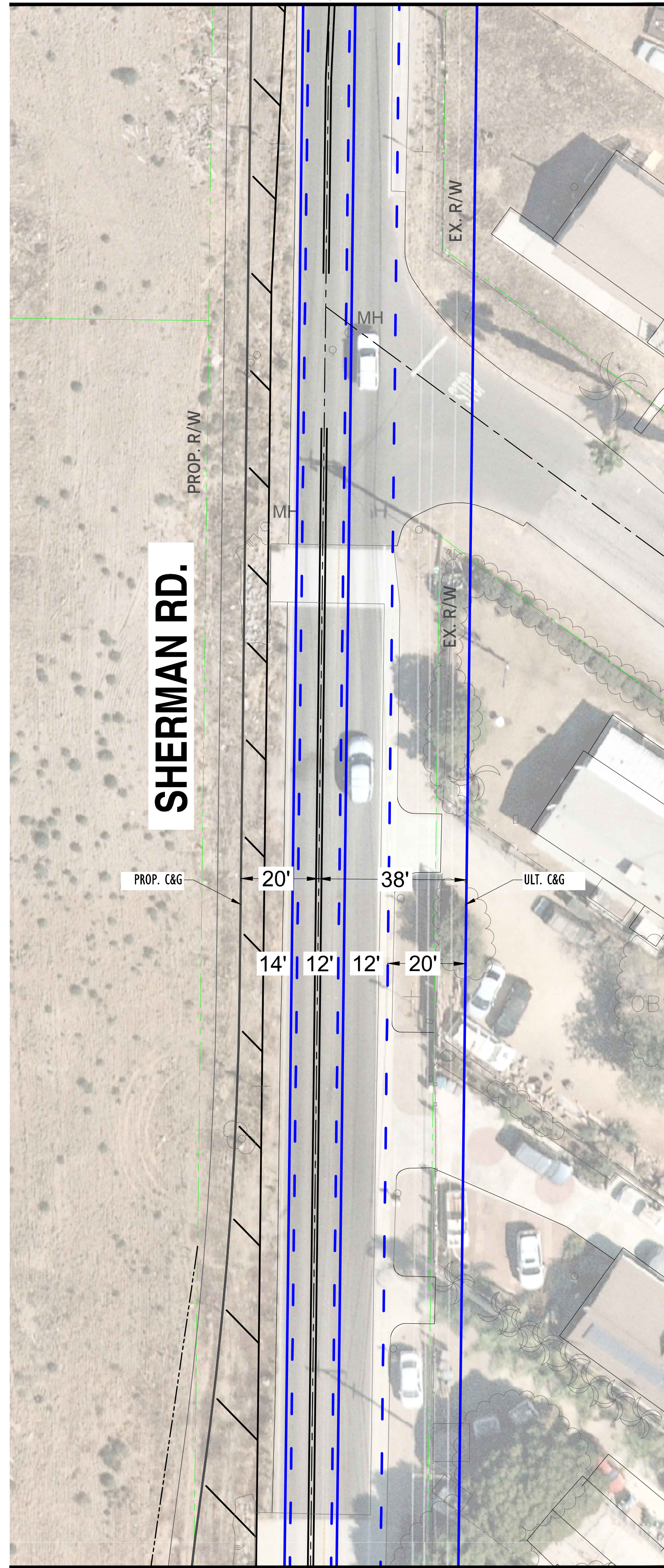
Attachment D1.1

Ethanac Road and Sherman Road North Leg Concept Striping

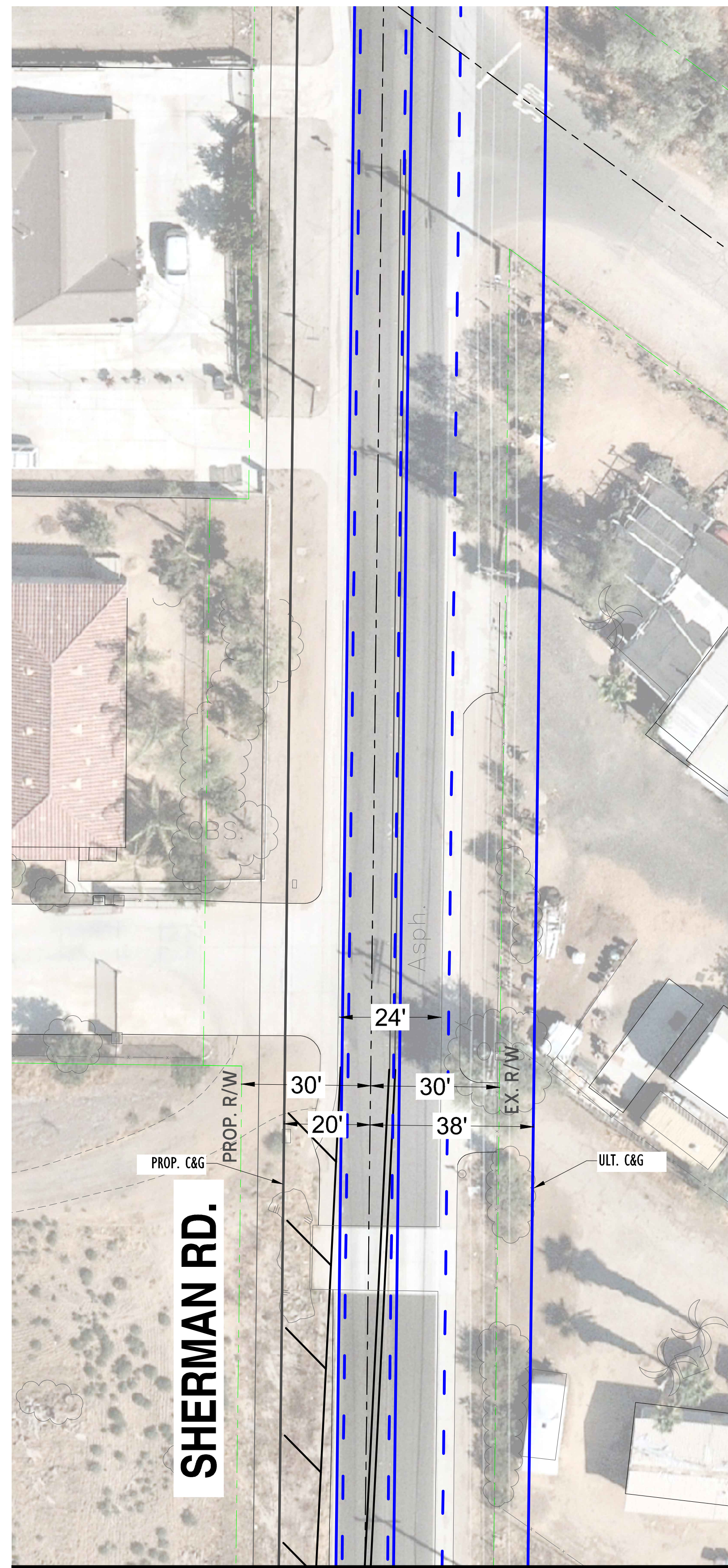
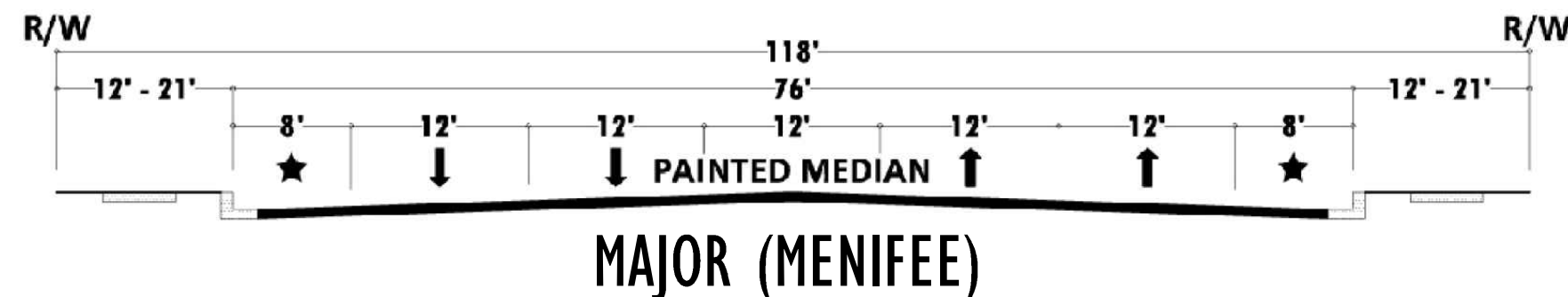
MATCH LINE 'A', SEE BOTTOM CENTER



MATCH LINE 'B', SEE BOTTOM RIGHT



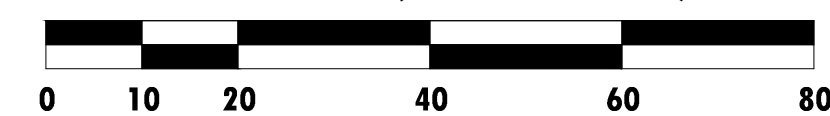
MATCH LINE 'A', SEE TOP LEFT



MATCH LINE 'B', SEE TOP CENTER

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SCALE: 1" = 20' (ON 24" x 36" SHEET)



**EXHIBIT C:
ETHANAC ROAD AND SHERMAN ROAD NORTH LEG CONCEPT STRIPING**

Attachment G.1

AERMOD Localized Emissions Modeling Outputs

**ATTACHMENT G.1 – AERMOD LOCALIZED EMISSIONS MODELING
OUTPUTS**

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** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 Cons CO\15109 Cons
CO.ADI
**

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*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

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CO STARTING
TITLEONE C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2189641
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "15109 Cons CO.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	482912.856	3733903.134	435.000
LOCATION VOL2	VOLUME	482912.780	3733847.000	435.000
LOCATION VOL3	VOLUME	482913.210	3733797.473	435.000
LOCATION VOL4	VOLUME	482964.959	3733903.884	435.000
LOCATION VOL5	VOLUME	482964.883	3733847.749	435.000
LOCATION VOL6	VOLUME	482965.313	3733798.222	435.000
LOCATION VOL7	VOLUME	483022.016	3733903.379	435.000
LOCATION VOL8	VOLUME	483021.941	3733847.245	435.000
LOCATION VOL9	VOLUME	483022.371	3733797.717	435.000
LOCATION VOL10	VOLUME	483075.539	3733902.369	435.000
LOCATION VOL11	VOLUME	483075.464	3733846.235	435.000
LOCATION VOL12	VOLUME	483075.894	3733796.707	435.000
LOCATION VOL13	VOLUME	483133.102	3733902.874	436.000
LOCATION VOL14	VOLUME	483133.026	3733846.740	436.000
LOCATION VOL15	VOLUME	483133.456	3733797.212	435.440
LOCATION VOL16	VOLUME	483187.130	3733902.369	436.000
LOCATION VOL17	VOLUME	483187.054	3733846.235	436.000
LOCATION VOL18	VOLUME	483187.484	3733796.707	436.000
LOCATION VOL19	VOLUME	483242.672	3733902.369	436.000
LOCATION VOL20	VOLUME	483242.597	3733846.235	436.000
LOCATION VOL21	VOLUME	483243.027	3733796.707	436.000
LOCATION VOL22	VOLUME	483025.644	3733740.886	435.000
LOCATION VOL23	VOLUME	483080.177	3733740.886	435.000
LOCATION VOL24	VOLUME	483133.700	3733741.391	435.120
LOCATION VOL25	VOLUME	483190.252	3733739.876	436.000
LOCATION VOL26	VOLUME	483240.746	3733740.381	436.000
LOCATION VOL27	VOLUME	483024.129	3733728.768	435.000
LOCATION VOL28	VOLUME	483081.187	3733727.758	435.000

EMISFACT VOL29 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

** Sunday:

** WeekDays:

EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL30 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

** Sunday:

** WeekDays:

EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL31 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

** Sunday:

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "15109 Cons CO.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE PERI_V9_ADJU\PERI_v9.SFC

PROFFILE PERI_V9_ADJU\PERI_v9.PFL

SURFDATA 3171 2010

UAIRDATA 3190 2010

SITEDATA 99999 2010

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "15109 CONS CO.AD\01H1GALL.PLT" 31
PLOTFILE 8 ALL 1ST "15109 CONS CO.AD\08H1GALL.PLT" 32
SUMMFILE "15109 Cons CO.sum"
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 *****

ME W186 593 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 593 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:44:41

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 31 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m

* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 31 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 31 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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) = 442.00 ; 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 = 3.5 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 15109 Cons

CO.err

**File for Summary of Results: 15109 Cons

CO.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT.
URBAN EMISSION RATE AIRCRAFT

SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	
SOURCE	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		
ID	CATS.	BY							
(METERS)									
VOL1		0	0.18376E-01	482912.9	3733903.1	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL2		0	0.18376E-01	482912.8	3733847.0	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL3		0	0.18376E-01	482913.2	3733797.5	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL4		0	0.18376E-01	482965.0	3733903.9	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL5		0	0.18376E-01	482964.9	3733847.7	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL6		0	0.18376E-01	482965.3	3733798.2	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL7		0	0.18376E-01	483022.0	3733903.4	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL8		0	0.18376E-01	483021.9	3733847.2	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL9		0	0.18376E-01	483022.4	3733797.7	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL10		0	0.18376E-01	483075.5	3733902.4	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL11		0	0.18376E-01	483075.5	3733846.2	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL12		0	0.18376E-01	483075.9	3733796.7	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL13		0	0.18376E-01	483133.1	3733902.9	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL14		0	0.18376E-01	483133.0	3733846.7	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL15		0	0.18376E-01	483133.5	3733797.2	435.4	5.00	12.83	1.40
YES	HRDOW		NO						
VOL16		0	0.18376E-01	483187.1	3733902.4	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL17		0	0.18376E-01	483187.1	3733846.2	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL18		0	0.18376E-01	483187.5	3733796.7	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL19		0	0.18376E-01	483242.7	3733902.4	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL20		0	0.18376E-01	483242.6	3733846.2	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL21		0	0.18376E-01	483243.0	3733796.7	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL22		0	0.18376E-01	483025.6	3733740.9	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL23		0	0.18376E-01	483080.2	3733740.9	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL24		0	0.18376E-01	483133.7	3733741.4	435.1	5.00	12.83	1.40
YES	HRDOW		NO						
VOL25		0	0.18376E-01	483190.3	3733739.9	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL26		0	0.18376E-01	483240.7	3733740.4	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL27		0	0.18376E-01	483024.1	3733728.8	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL28		0	0.18376E-01	483081.2	3733727.8	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL29		0	0.18376E-01	483136.2	3733726.7	435.2	5.00	12.83	1.40
YES	HRDOW		NO						
VOL30		0	0.18376E-01	483190.8	3733724.7	436.0	5.00	12.83	1.40


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YES   HRDOW      NO
VOL31      0    0.18376E-01  483238.7 3733723.2  436.0    5.00    12.83    1.40
YES   HRDOW      NO
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HRA.isc      ***           04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs							
-----	-----							
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	,	
VOL7	, VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,	
	VOL15	, VOL16	,					
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,	
	VOL23	, VOL24	,					
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,	
	VOL31	,						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs							
-----	-----	-----							
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,		
VOL8	, VOL6	, VOL7	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,		
	VOL15	, VOL16	,						
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,		
	VOL23	, VOL24	,						
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,		
	VOL31	,							

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 HRA.isc *** 04/03/24

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00

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.0000E+00 23 .0000E+00 24 .0000E+00
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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR
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DAY OF WEEK = WEEKDAY

1 .0000E+00	2 .0000E+00	3 .0000E+00	4 .0000E+00	5 .0000E+00	6 .0000E+00	7 .0000E+00	8 .0000E+00	9 .1000E+01	10 .1000E+01	11 .1000E+01	12 .1000E+01	13 .1000E+01	14 .1000E+01	15 .1000E+01	16 .1000E+01	17 .0000E+00	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00	22 .0000E+00	23 .0000E+00	24 .0000E+00
-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

DAY OF WEEK = SATURDAY

1 .0000E+00	2 .0000E+00	3 .0000E+00	4 .0000E+00	5 .0000E+00	6 .0000E+00	7 .0000E+00	8 .0000E+00	9 .0000E+00	10 .0000E+00	11 .0000E+00	12 .0000E+00	13 .0000E+00	14 .0000E+00	15 .0000E+00	16 .0000E+00	17 .0000E+00	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00	22 .0000E+00	23 .0000E+00	24 .0000E+00
-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

DAY OF WEEK = SUNDAY

1 .0000E+00	2 .0000E+00	3 .0000E+00	4 .0000E+00	5 .0000E+00	6 .0000E+00	7 .0000E+00	8 .0000E+00	9 .0000E+00	10 .0000E+00	11 .0000E+00	12 .0000E+00	13 .0000E+00	14 .0000E+00	15 .0000E+00	16 .0000E+00	17 .0000E+00	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00	22 .0000E+00	23 .0000E+00	24 .0000E+00
-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR
---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------

DAY OF WEEK = WEEKDAY

1 .0000E+00	2 .0000E+00	3 .0000E+00	4 .0000E+00	5 .0000E+00	6 .0000E+00	7 .0000E+00	8 .0000E+00	9 .1000E+01	10 .1000E+01	11 .1000E+01	12 .1000E+01	13 .1000E+01	14 .1000E+01	15 .1000E+01	16 .1000E+01	17 .0000E+00	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00	22 .0000E+00	23 .0000E+00	24 .0000E+00
-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

DAY OF WEEK = SATURDAY

1 .0000E+00	2 .0000E+00	3 .0000E+00	4 .0000E+00	5 .0000E+00	6 .0000E+00	7 .0000E+00	8 .0000E+00	9 .0000E+00	10 .0000E+00	11 .0000E+00	12 .0000E+00	13 .0000E+00	14 .0000E+00	15 .0000E+00	16 .0000E+00
-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** *** 11:44:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 12 rows of data for WEEKDAY. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 12 rows of data for SATURDAY. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (HOUR, SCALAR) and 12 rows of data for SUNDAY. Values range from .0000E+00 to .1000E+01.

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 12 rows of data for WEEKDAY. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 12 rows of data for SATURDAY. All values are .0000E+00.

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(483120.1, 3733660.2, 435.0, 435.0, 2.0); (483289.4, 3733778.1,
436.0, 436.0, 2.0);
(483289.7, 3733875.8, 436.0, 436.0, 2.0); (483232.9, 3733971.1,
436.0, 436.0, 2.0);
(483196.4, 3733935.4, 436.0, 436.0, 2.0); (482905.1, 3733998.1,
435.0, 435.0, 2.0);
(482945.4, 3733647.3, 435.0, 435.0, 2.0); (482845.7, 3733633.3,
435.0, 435.0, 2.0);
(484104.9, 3733910.1, 441.0, 441.0, 2.0); (484128.8, 3733930.1,
441.3, 441.3, 2.0);
(484108.8, 3733983.3, 441.4, 441.4, 2.0); (482693.6, 3734103.5,
434.0, 434.0, 2.0);
(483303.9, 3733791.8, 436.0, 436.0, 2.0); (483300.5, 3733832.0,
436.0, 436.0, 2.0);
(483301.6, 3733877.8, 436.0, 436.0, 2.0); (483303.4, 3733903.6,
436.0, 436.0, 2.0);
(483304.6, 3733955.9, 436.0, 436.0, 2.0); (483338.4, 3733979.7,
436.9, 436.9, 2.0);
(483293.2, 3733760.0, 436.0, 436.0, 2.0); (483292.0, 3733686.8,
436.0, 436.0, 2.0);
(483334.0, 3734120.6, 436.8, 436.8, 2.0); (483312.8, 3734143.7,
436.1, 436.1, 2.0);
(483031.0, 3734054.5, 435.0, 435.0, 2.0); (483376.1, 3734009.4,
437.0, 437.0, 2.0);
(483301.6, 3733714.8, 436.0, 436.0, 2.0); (483364.5, 3733652.7,
436.0, 436.0, 2.0);
(482964.7, 3734017.4, 435.0, 435.0, 2.0); (482964.4, 3734035.3,
435.0, 435.0, 2.0);
(483036.0, 3734094.1, 435.0, 435.0, 2.0); (482918.1, 3734083.4,
435.0, 435.0, 2.0);
(483381.5, 3734038.5, 437.0, 437.0, 2.0); (483420.3, 3734067.4,
437.0, 437.0, 2.0);
(483410.4, 3734096.8, 437.0, 437.0,
2.0);

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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142.	9.1	280.9	5.5											
10 01 01	1 03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90		
324.	9.1	280.4	5.5											
10 01 01	1 04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40		
294.	9.1	278.8	5.5											
10 01 01	1 05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90		
205.	9.1	278.1	5.5											
10 01 01	1 06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40		
3.	9.1	277.0	5.5											
10 01 01	1 07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30		
99.	9.1	277.0	5.5											
10 01 01	1 08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90		
319.	9.1	278.8	5.5											
10 01 01	1 09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90		
239.	9.1	284.2	5.5											
10 01 01	1 10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40		
188.	9.1	289.2	5.5											
10 01 01	1 11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70		
310.	9.1	290.9	5.5											
10 01 01	1 12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20		
357.	9.1	293.1	5.5											
10 01 01	1 13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20		
356.	9.1	293.8	5.5											
10 01 01	1 14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20		
50.	9.1	294.2	5.5											
10 01 01	1 15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80		
53.	9.1	293.8	5.5											
10 01 01	1 16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80		
11.	9.1	292.5	5.5											
10 01 01	1 17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90		
351.	9.1	290.4	5.5											
10 01 01	1 18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90		
186.	9.1	287.5	5.5											
10 01 01	1 19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90		
275.	9.1	285.9	5.5											
10 01 01	1 20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40		
181.	9.1	285.4	5.5											
10 01 01	1 21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30		
318.	9.1	284.9	5.5											
10 01 01	1 22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90		
196.	9.1	283.1	5.5											
10 01 01	1 23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90		
330.	9.1	281.4	5.5											
10 01 01	1 24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30		
332.	9.1	280.9	5.5											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,

VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
483120.12	3733660.19	54.20133	(14111116)	483289.42	
3733778.15	54.79968	(10121516)			
483289.67	3733875.83	47.50620	(10121516)	483232.88	
3733971.13	37.96500	(10122216)			
483196.37	3733935.41	65.36763	(10121516)	482905.11	
3733998.15	42.54635	(16010516)			
482945.39	3733647.28	55.87083	(11010316)	482845.73	
3733633.26	32.30063	(11010316)			
484104.90	3733910.11	2.40803	(10122916)	484128.78	
3733930.14	2.21529	(10122916)			
484108.75	3733983.28	1.90631	(10122916)	482693.57	
3734103.53	10.09130	(10121515)			
483303.87	3733791.80	44.35717	(10121516)	483300.45	
3733832.03	45.11637	(10121516)			
483301.59	3733877.75	39.87048	(10121516)	483303.42	
3733903.58	35.22185	(10121516)			
483304.56	3733955.92	32.65690	(10020516)	483338.39	
3733979.69	21.60311	(10020516)			
483293.17	3733760.02	51.28312	(10121516)	483292.01	
3733686.85	45.90740	(10101916)			
483334.00	3734120.59	13.34758	(10020516)	483312.78	
3734143.67	12.14146	(10020516)			
483031.00	3734054.50	26.68165	(16010516)	483376.10	
3734009.36	14.86287	(10020516)			
483301.59	3733714.82	48.40556	(16010716)	483364.53	
3733652.69	20.09321	(11112516)			
482964.67	3734017.41	37.84829	(16010516)	482964.39	
3734035.32	33.71232	(16010516)			
483036.02	3734094.07	19.71811	(16010516)	482918.10	
3734083.37	26.30831	(16010516)			
483381.46	3734038.47	14.06328	(10020516)	483420.31	
3734067.44	10.40657	(10020516)			
483410.44	3734096.75	10.93475	(10020516)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,

ALL HIGH 1ST HIGH VALUE IS 65.36763 ON 10121516: AT (483196.37, 3733935.41,
436.00, 436.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN
MICROGRAMS/M**3 **

DATE

GROUP ID AVERAGE CONC (YYMMDDHH) NETWORK RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL HIGH 1ST HIGH VALUE IS 32.72543 ON 11112416: AT (483196.37, 3733935.41,
436.00, 436.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)
A Total of 43824 Hours Were Processed
A Total of 978 Calm Hours Identified
A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

ME W186	593	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	593	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

*** AERMOD Finishes Successfully ***

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 Cons NOX\15109 Cons
NOX.ADI
**
```

```
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
```

```
CO STARTING
TITLEONE C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2189641
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "15109 Cons NOX.err"
```

```
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
```

```
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
```

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	482912.856	3733903.134	435.000
LOCATION VOL2	VOLUME	482912.780	3733847.000	435.000
LOCATION VOL3	VOLUME	482913.210	3733797.473	435.000
LOCATION VOL4	VOLUME	482964.959	3733903.884	435.000
LOCATION VOL5	VOLUME	482964.883	3733847.749	435.000
LOCATION VOL6	VOLUME	482965.313	3733798.222	435.000
LOCATION VOL7	VOLUME	483022.016	3733903.379	435.000
LOCATION VOL8	VOLUME	483021.941	3733847.245	435.000
LOCATION VOL9	VOLUME	483022.371	3733797.717	435.000
LOCATION VOL10	VOLUME	483075.539	3733902.369	435.000
LOCATION VOL11	VOLUME	483075.464	3733846.235	435.000
LOCATION VOL12	VOLUME	483075.894	3733796.707	435.000
LOCATION VOL13	VOLUME	483133.102	3733902.874	436.000
LOCATION VOL14	VOLUME	483133.026	3733846.740	436.000
LOCATION VOL15	VOLUME	483133.456	3733797.212	435.440
LOCATION VOL16	VOLUME	483187.130	3733902.369	436.000
LOCATION VOL17	VOLUME	483187.054	3733846.235	436.000
LOCATION VOL18	VOLUME	483187.484	3733796.707	436.000
LOCATION VOL19	VOLUME	483242.672	3733902.369	436.000
LOCATION VOL20	VOLUME	483242.597	3733846.235	436.000
LOCATION VOL21	VOLUME	483243.027	3733796.707	436.000
LOCATION VOL22	VOLUME	483025.644	3733740.886	435.000
LOCATION VOL23	VOLUME	483080.177	3733740.886	435.000
LOCATION VOL24	VOLUME	483133.700	3733741.391	435.120
LOCATION VOL25	VOLUME	483190.252	3733739.876	436.000
LOCATION VOL26	VOLUME	483240.746	3733740.381	436.000
LOCATION VOL27	VOLUME	483024.129	3733728.768	435.000
LOCATION VOL28	VOLUME	483081.187	3733727.758	435.000

EMISFACT VOL29 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL29 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

** Sunday:

** WeekDays:

EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL30 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

** Sunday:

** WeekDays:

EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL31 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL31 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

** Sunday:

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "15109 Cons NOX.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE PERI_V9_ADJU\PERI_v9.SFC

PROFFILE PERI_V9_ADJU\PERI_v9.PFL

SURFDATA 3171 2010

UAIRDATA 3190 2010

SITEDATA 99999 2010

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "15109 CONS NOX.AD\01H1GALL.PLT" 31
SUMMFILE "15109 Cons NOX.sum"
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 *****

ME W186 593 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 593 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 31 Source(s),
for Total of 1 Urban Area(s):
- Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET

* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 31 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 31 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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) = 442.00 ; 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 = 3.5 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 15109 Cons

NOX.err

**File for Summary of Results: 15109 Cons

NOX.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE							
SOURCE	URBAN	EMISSION RATE	AIRCRAFT						
	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	
SOURCE SCALAR VARY									

ID (METERS)	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
VOL1		0	0.10136E-01	482912.9	3733903.1	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL2		0	0.10136E-01	482912.8	3733847.0	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL3		0	0.10136E-01	482913.2	3733797.5	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL4		0	0.10136E-01	482965.0	3733903.9	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL5		0	0.10136E-01	482964.9	3733847.7	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL6		0	0.10136E-01	482965.3	3733798.2	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL7		0	0.10136E-01	483022.0	3733903.4	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL8		0	0.10136E-01	483021.9	3733847.2	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL9		0	0.10136E-01	483022.4	3733797.7	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL10		0	0.10136E-01	483075.5	3733902.4	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL11		0	0.10136E-01	483075.5	3733846.2	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL12		0	0.10136E-01	483075.9	3733796.7	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL13		0	0.10136E-01	483133.1	3733902.9	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL14		0	0.10136E-01	483133.0	3733846.7	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL15		0	0.10136E-01	483133.5	3733797.2	435.4	5.00	12.83	1.40
YES	HRDOW		NO						
VOL16		0	0.10136E-01	483187.1	3733902.4	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL17		0	0.10136E-01	483187.1	3733846.2	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL18		0	0.10136E-01	483187.5	3733796.7	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL19		0	0.10136E-01	483242.7	3733902.4	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL20		0	0.10136E-01	483242.6	3733846.2	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL21		0	0.10136E-01	483243.0	3733796.7	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL22		0	0.10136E-01	483025.6	3733740.9	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL23		0	0.10136E-01	483080.2	3733740.9	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL24		0	0.10136E-01	483133.7	3733741.4	435.1	5.00	12.83	1.40
YES	HRDOW		NO						
VOL25		0	0.10136E-01	483190.3	3733739.9	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL26		0	0.10136E-01	483240.7	3733740.4	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL27		0	0.10136E-01	483024.1	3733728.8	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL28		0	0.10136E-01	483081.2	3733727.8	435.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL29		0	0.10136E-01	483136.2	3733726.7	435.2	5.00	12.83	1.40
YES	HRDOW		NO						
VOL30		0	0.10136E-01	483190.8	3733724.7	436.0	5.00	12.83	1.40
YES	HRDOW		NO						
VOL31		0	0.10136E-01	483238.7	3733723.2	436.0	5.00	12.83	1.40

YES HRDOW NO
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs						
-----	-----						
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	,
VOL7	, VOL8	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	,					

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs						
-----	-----	-----						
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,	
	VOL6	, VOL7	,					
VOL8	,							
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,	
	VOL15	, VOL16	,					
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,	
	VOL23	, VOL24	,					
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,	
	VOL31	,						

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL19, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Weekday emission rate scalars for source VOL19, with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Saturday emission rate scalars for source VOL19, with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Sunday emission rate scalars for source VOL19, with values ranging from 0.0000E+00 to 0.1000E+01.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL20, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Weekday emission rate scalars for source VOL20, with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Saturday emission rate scalars for source VOL20, with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Sunday emission rate scalars for source VOL20, with values ranging from 0.0000E+00 to 0.1000E+01.

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday.

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:58:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(483120.1, 3733660.2, 435.0, 435.0, 2.0); (483289.4, 3733778.1,
436.0, 436.0, 2.0);
(483289.7, 3733875.8, 436.0, 436.0, 2.0); (483232.9, 3733971.1,
436.0, 436.0, 2.0);
(483196.4, 3733935.4, 436.0, 436.0, 2.0); (482905.1, 3733998.1,
435.0, 435.0, 2.0);
(482945.4, 3733647.3, 435.0, 435.0, 2.0); (482845.7, 3733633.3,
435.0, 435.0, 2.0);
(484104.9, 3733910.1, 441.0, 441.0, 2.0); (484128.8, 3733930.1,
441.3, 441.3, 2.0);
(484108.8, 3733983.3, 441.4, 441.4, 2.0); (482693.6, 3734103.5,
434.0, 434.0, 2.0);
(483303.9, 3733791.8, 436.0, 436.0, 2.0); (483300.5, 3733832.0,
436.0, 436.0, 2.0);
(483301.6, 3733877.8, 436.0, 436.0, 2.0); (483303.4, 3733903.6,
436.0, 436.0, 2.0);
(483304.6, 3733955.9, 436.0, 436.0, 2.0); (483338.4, 3733979.7,
436.9, 436.9, 2.0);
(483293.2, 3733760.0, 436.0, 436.0, 2.0); (483292.0, 3733686.8,
436.0, 436.0, 2.0);
(483334.0, 3734120.6, 436.8, 436.8, 2.0); (483312.8, 3734143.7,
436.1, 436.1, 2.0);
(483031.0, 3734054.5, 435.0, 435.0, 2.0); (483376.1, 3734009.4,
437.0, 437.0, 2.0);
(483301.6, 3733714.8, 436.0, 436.0, 2.0); (483364.5, 3733652.7,
436.0, 436.0, 2.0);
(482964.7, 3734017.4, 435.0, 435.0, 2.0); (482964.4, 3734035.3,
435.0, 435.0, 2.0);
(483036.0, 3734094.1, 435.0, 435.0, 2.0); (482918.1, 3734083.4,
435.0, 435.0, 2.0);
(483381.5, 3734038.5, 437.0, 437.0, 2.0); (483420.3, 3734067.4,
437.0, 437.0, 2.0);
(483410.4, 3734096.8, 437.0, 437.0,
2.0);

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

324.	9.1	280.4	5.5											
10 01 01	1 04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40		
294.	9.1	278.8	5.5											
10 01 01	1 05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90		
205.	9.1	278.1	5.5											
10 01 01	1 06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40		
3.	9.1	277.0	5.5											
10 01 01	1 07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30		
99.	9.1	277.0	5.5											
10 01 01	1 08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90		
319.	9.1	278.8	5.5											
10 01 01	1 09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90		
239.	9.1	284.2	5.5											
10 01 01	1 10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40		
188.	9.1	289.2	5.5											
10 01 01	1 11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70		
310.	9.1	290.9	5.5											
10 01 01	1 12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20		
357.	9.1	293.1	5.5											
10 01 01	1 13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20		
356.	9.1	293.8	5.5											
10 01 01	1 14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20		
50.	9.1	294.2	5.5											
10 01 01	1 15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80		
53.	9.1	293.8	5.5											
10 01 01	1 16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80		
11.	9.1	292.5	5.5											
10 01 01	1 17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90		
351.	9.1	290.4	5.5											
10 01 01	1 18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90		
186.	9.1	287.5	5.5											
10 01 01	1 19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90		
275.	9.1	285.9	5.5											
10 01 01	1 20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40		
181.	9.1	285.4	5.5											
10 01 01	1 21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30		
318.	9.1	284.9	5.5											
10 01 01	1 22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90		
196.	9.1	283.1	5.5											
10 01 01	1 23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90		
330.	9.1	281.4	5.5											
10 01 01	1 24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30		
332.	9.1	280.9	5.5											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,

VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
483120.12	3733660.19	29.89540	(14111116)	483289.42	
3733778.15	30.22542	(10121516)			
483289.67	3733875.83	26.20262	(10121516)	483232.88	
3733971.13	20.94006	(10122216)			
483196.37	3733935.41	36.05430	(10121516)	482905.11	
3733998.15	23.46695	(16010516)			
482945.39	3733647.28	30.81623	(11010316)	482845.73	
3733633.26	17.81580	(11010316)			
484104.90	3733910.11	1.32818	(10122916)	484128.78	
3733930.14	1.22187	(10122916)			
484108.75	3733983.28	1.05145	(10122916)	482693.57	
3734103.53	5.56598	(10121515)			
483303.87	3733791.80	24.46573	(10121516)	483300.45	
3733832.03	24.88448	(10121516)			
483301.59	3733877.75	21.99105	(10121516)	483303.42	
3733903.58	19.42704	(10121516)			
483304.56	3733955.92	18.01231	(10020516)	483338.39	
3733979.69	11.91545	(10020516)			
483293.17	3733760.02	28.28582	(10121516)	483292.01	
3733686.85	25.32078	(10101916)			
483334.00	3734120.59	7.36202	(10020516)	483312.78	
3734143.67	6.69677	(10020516)			
483031.00	3734054.50	14.71659	(16010516)	483376.10	
3734009.36	8.19780	(10020516)			
483301.59	3733714.82	26.69867	(16010716)	483364.53	
3733652.69	11.08265	(11112516)			
482964.67	3734017.41	20.87568	(16010516)	482964.39	
3734035.32	18.59443	(16010516)			
483036.02	3734094.07	10.87576	(16010516)	482918.10	
3734083.37	14.51067	(16010516)			
483381.46	3734038.47	7.75677	(10020516)	483420.31	
3734067.44	5.73987	(10020516)			
483410.44	3734096.75	6.03120	(10020516)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

DATE

GROUP ID AVERAGE CONC (YYMMDDHH) NETWORK RECEPTOR (XR, YR,
 ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL HIGH 1ST HIGH VALUE IS 36.05430 ON 10121516: AT (483196.37, 3733935.41,
436.00, 436.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:58:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 593 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 593 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

*** AERMOD Finishes Successfully ***

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 Cons PM10\15109 Cons
PM10.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
```

CO STARTING

```
TITLEONE C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "15109 Cons PM10.err"
```

CO FINISHED

```
**
*****
** AERMOD Source Pathway
*****
**
**
```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	482912.856	3733903.134	435.000
LOCATION VOL2	VOLUME	482912.780	3733847.000	435.000
LOCATION VOL3	VOLUME	482913.210	3733797.473	435.000
LOCATION VOL4	VOLUME	482964.959	3733903.884	435.000
LOCATION VOL5	VOLUME	482964.883	3733847.749	435.000
LOCATION VOL6	VOLUME	482965.313	3733798.222	435.000
LOCATION VOL7	VOLUME	483022.016	3733903.379	435.000
LOCATION VOL8	VOLUME	483021.941	3733847.245	435.000
LOCATION VOL9	VOLUME	483022.371	3733797.717	435.000
LOCATION VOL10	VOLUME	483075.539	3733902.369	435.000
LOCATION VOL11	VOLUME	483075.464	3733846.235	435.000
LOCATION VOL12	VOLUME	483075.894	3733796.707	435.000
LOCATION VOL13	VOLUME	483133.102	3733902.874	436.000
LOCATION VOL14	VOLUME	483133.026	3733846.740	436.000
LOCATION VOL15	VOLUME	483133.456	3733797.212	435.440
LOCATION VOL16	VOLUME	483187.130	3733902.369	436.000
LOCATION VOL17	VOLUME	483187.054	3733846.235	436.000
LOCATION VOL18	VOLUME	483187.484	3733796.707	436.000
LOCATION VOL19	VOLUME	483242.672	3733902.369	436.000
LOCATION VOL20	VOLUME	483242.597	3733846.235	436.000
LOCATION VOL21	VOLUME	483243.027	3733796.707	436.000
LOCATION VOL22	VOLUME	483025.644	3733740.886	435.000
LOCATION VOL23	VOLUME	483080.177	3733740.886	435.000
LOCATION VOL24	VOLUME	483133.700	3733741.391	435.120
LOCATION VOL25	VOLUME	483190.252	3733739.876	436.000
LOCATION VOL26	VOLUME	483240.746	3733740.381	436.000
LOCATION VOL27	VOLUME	483024.129	3733728.768	435.000
LOCATION VOL28	VOLUME	483081.187	3733727.758	435.000

LOCATION	VOL29	VOLUME	483136.224	3733726.748	435.210
LOCATION	VOL30	VOLUME	483190.757	3733724.728	436.000
LOCATION	VOL31	VOLUME	483238.726	3733723.214	436.000
LOCATION	PAREA1	AREAPOLY	482884.455	3733932.048	435.000

** Source Parameters **

SRCPARAM	VOL1	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL2	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL3	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL4	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL5	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL6	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL7	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL8	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL9	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL10	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL11	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL12	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL13	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL14	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL15	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL16	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL17	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL18	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL19	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL20	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL21	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL22	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL23	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL24	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL25	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL26	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL27	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL28	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL29	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL30	0.0000508056	5.000	12.828	1.400
SRCPARAM	VOL31	0.0000508056	5.000	12.828	1.400
SRCPARAM	PAREA1	1.0897E-06	0.000	9	1.000
AREAVERT	PAREA1	482884.455	3733932.048	483271.852	3733929.410
AREAVERT	PAREA1	483273.359	3733793.746	483270.344	3733781.310
AREAVERT	PAREA1	483268.083	3733762.091	483267.330	3733696.143
AREAVERT	PAREA1	482997.132	3733701.042	482997.132	3733768.874
AREAVERT	PAREA1	482884.078	3733769.251		
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Construction"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

** Sunday:

** WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "15109 Cons PM10.rou"
RE FINISHED

**

** AERMOD Meteorology Pathway

**
**
ME STARTING
SURFFILE PERI_V9_ADJU\PERI_v9.SFC
PROFFILE PERI_V9_ADJU\PERI_v9.PFL
SURFDATA 3171 2010
UAIRDATA 3190 2010
SITEDATA 99999 2010
PROFBASE 442.0 METERS

ME FINISHED
**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "15109 CONS PM10.AD\24H1GALL.PLT" 31
SUMMFILE "15109 Cons PM10.sum"
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 *****

ME W186 615 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 615 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
 - * Model Is Setup For Calculation of Average CONCentration Values.
 - * NO GAS DEPOSITION Data Provided.
 - * NO PARTICLE DEPOSITION Data Provided.
 - * Model Uses NO DRY DEPLETION. DDPLETE = F
 - * Model Uses NO WET DEPLETION. WETDPLT = F
 - * Stack-tip Downwash.
 - * Model Accounts for ELEVated Terrain Effects.
 - * Use Calms Processing Routine.
 - * Use Missing Data Processing Routine.
 - * No Exponential Decay.
 - * Model Uses URBAN Dispersion Algorithm for the SBL for 32 Source(s),
for Total of 1 Urban Area(s):
- Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
 - * ADJ_U* - Use ADJ_U* option for SBL in AERMET
 - * CCVR_Sub - Meteorological data includes CCVR substitutions
 - * TEMP_Sub - Meteorological data includes TEMP substitutions
 - * Model Accepts FLAGPOLE Receptor . Heights.
 - * The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 32 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

and: 31 VOLUME source(s)

and: 1 AREA type source(s)

and: 0 LINE source(s)

and: 0 RLINE/RLINEXT source(s)

and: 0 OPENPIT source(s)

and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

- Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
- Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
- Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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) = 442.00 ; 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 = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:
aermod.out

**Detailed Error/Message File: 15109 Cons
PM10.err
**File for Summary of Results: 15109 Cons
PM10.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE	AIRPLANE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
SCALAR VARY	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY						
(METERS)								
VOL1	0	0.50806E-04	482912.9	3733903.1	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL2	0	0.50806E-04	482912.8	3733847.0	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL3	0	0.50806E-04	482913.2	3733797.5	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL4	0	0.50806E-04	482965.0	3733903.9	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL5	0	0.50806E-04	482964.9	3733847.7	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL6	0	0.50806E-04	482965.3	3733798.2	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL7	0	0.50806E-04	483022.0	3733903.4	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL8	0	0.50806E-04	483021.9	3733847.2	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL9	0	0.50806E-04	483022.4	3733797.7	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL10	0	0.50806E-04	483075.5	3733902.4	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL11	0	0.50806E-04	483075.5	3733846.2	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL12	0	0.50806E-04	483075.9	3733796.7	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL13	0	0.50806E-04	483133.1	3733902.9	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL14	0	0.50806E-04	483133.0	3733846.7	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL15	0	0.50806E-04	483133.5	3733797.2	435.4	5.00	12.83	1.40
YES HRDOW		NO						
VOL16	0	0.50806E-04	483187.1	3733902.4	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL17	0	0.50806E-04	483187.1	3733846.2	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL18	0	0.50806E-04	483187.5	3733796.7	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL19	0	0.50806E-04	483242.7	3733902.4	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL20	0	0.50806E-04	483242.6	3733846.2	436.0	5.00	12.83	1.40

VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,

VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , PAREA1 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,
	VOL6	, VOL7	,				
VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, PAREA1	,				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
---	---	---	---	---	---	---	---	---	---	---
DAY OF WEEK = WEEKDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
	.1000E+01	15	.1000E+01	16	.1000E+01					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					
DAY OF WEEK = SATURDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					
DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 HRA.isc *** 04/03/24
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 *** *** 12:03:25

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 HRA.isc *** 04/03/24

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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HRA.isc *** 04/03/24
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*** 12:03:25

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** 12:03:25

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:03:25

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:03:25

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 12:03:25

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 12:03:25

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS

HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

12:03:25

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(483120.1, 3733660.2, 435.0, 435.0, 2.0); (483289.4, 3733778.1,
436.0, 436.0, 2.0);
(483289.7, 3733875.8, 436.0, 436.0, 2.0); (483232.9, 3733971.1,
436.0, 436.0, 2.0);
(483196.4, 3733935.4, 436.0, 436.0, 2.0); (482905.1, 3733998.1,
435.0, 435.0, 2.0);
(482945.4, 3733647.3, 435.0, 435.0, 2.0); (482845.7, 3733633.3,
435.0, 435.0, 2.0);
(484104.9, 3733910.1, 441.0, 441.0, 2.0); (484128.8, 3733930.1,
441.3, 441.3, 2.0);
(484108.8, 3733983.3, 441.4, 441.4, 2.0); (482693.6, 3734103.5,
434.0, 434.0, 2.0);
(483303.9, 3733791.8, 436.0, 436.0, 2.0); (483300.5, 3733832.0,
436.0, 436.0, 2.0);
(483301.6, 3733877.8, 436.0, 436.0, 2.0); (483303.4, 3733903.6,
436.0, 436.0, 2.0);
(483304.6, 3733955.9, 436.0, 436.0, 2.0); (483338.4, 3733979.7,
436.9, 436.9, 2.0);
(483293.2, 3733760.0, 436.0, 436.0, 2.0); (483292.0, 3733686.8,
436.0, 436.0, 2.0);
(483334.0, 3734120.6, 436.8, 436.8, 2.0); (483312.8, 3734143.7,
436.1, 436.1, 2.0);
(483031.0, 3734054.5, 435.0, 435.0, 2.0); (483376.1, 3734009.4,
437.0, 437.0, 2.0);
(483301.6, 3733714.8, 436.0, 436.0, 2.0); (483364.5, 3733652.7,
436.0, 436.0, 2.0);

Surface station no.: 3171
 Name: UNKNOWN
 UNKNOWN
 Year: 2010

Upper air station no.: 3190
 Name:
 Year: 2010

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												
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.		21.2	0.19	0.61	1.00	1.30	
335.		9.1	282.5		5.5												
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.		15.1	0.19	0.61	1.00	0.90	
142.		9.1	280.9		5.5												
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.		15.1	0.19	0.61	1.00	0.90	
324.		9.1	280.4		5.5												
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.		18.3	0.19	0.61	1.00	0.40	
294.		9.1	278.8		5.5												
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.		15.0	0.19	0.61	1.00	0.90	
205.		9.1	278.1		5.5												
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.		18.3	0.19	0.61	1.00	0.40	
3.		9.1	277.0		5.5												
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.		21.0	0.19	0.61	1.00	1.30	
99.		9.1	277.0		5.5												
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.		16.8	0.19	0.61	0.54	0.90	
319.		9.1	278.8		5.5												
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.		-9.0	0.19	0.61	0.33	0.90	
239.		9.1	284.2		5.5												
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.		-1.0	0.19	0.61	0.26	0.40	
188.		9.1	289.2		5.5												
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.		-35.9	0.19	0.61	0.23	2.70	
310.		9.1	290.9		5.5												
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.		-19.7	0.19	0.61	0.22	2.20	
357.		9.1	293.1		5.5												
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.		-20.4	0.19	0.61	0.22	2.20	
356.		9.1	293.8		5.5												
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.		-23.2	0.19	0.61	0.23	2.20	
50.		9.1	294.2		5.5												
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.		-19.2	0.19	0.61	0.27	1.80	
53.		9.1	293.8		5.5												
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.		-61.5	0.19	0.61	0.36	1.80	
11.		9.1	292.5		5.5												
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.		15.6	0.19	0.61	0.64	0.90	
351.		9.1	290.4		5.5												
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.		15.2	0.19	0.61	1.00	0.90	
186.		9.1	287.5		5.5												
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.		15.2	0.19	0.61	1.00	0.90	
275.		9.1	285.9		5.5												
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.		18.1	0.19	0.61	1.00	0.40	
181.		9.1	285.4		5.5												
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.		21.3	0.19	0.61	1.00	1.30	
318.		9.1	284.9		5.5												
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.		15.1	0.19	0.61	1.00	0.90	
196.		9.1	283.1		5.5												
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.		15.1	0.19	0.61	1.00	0.90	
330.		9.1	281.4		5.5												
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.		21.2	0.19	0.61	1.00	1.30	
332.		9.1	280.9		5.5												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
 MICROGRAMS/M³ **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
483120.12	3733660.19	1.81715	(16122224)	483289.42	
3733778.15	1.60637	(14040124)			
483289.67	3733875.83	1.81762	(15122224)	483232.88	
3733971.13	1.57192c	(10121724)			
483196.37	3733935.41	3.30382	(11121924)	482905.11	
3733998.15	1.35864	(16010524)			
482945.39	3733647.28	0.94444c	(11010324)	482845.73	
3733633.26	0.49547m	(15123124)			
484104.90	3733910.11	0.03914	(14122224)	484128.78	
3733930.14	0.03900	(14122224)			
484108.75	3733983.28	0.04032	(14122224)	482693.57	
3734103.53	0.36208	(10121524)			
483303.87	3733791.80	1.29938	(14040124)	483300.45	
3733832.03	1.31514	(15122224)			
483301.59	3733877.75	1.37301	(15122224)	483303.42	
3733903.58	1.33360	(15122224)			
483304.56	3733955.92	1.00991	(15122224)	483338.39	
3733979.69	0.61146	(15122224)			
483293.17	3733760.02	1.45830	(14040124)	483292.01	
3733686.85	1.32250	(14120424)			
483334.00	3734120.59	0.34105c	(11030724)	483312.78	
3734143.67	0.32775	(11112424)			
483031.00	3734054.50	0.94464	(16010524)	483376.10	
3734009.36	0.39689	(15122224)			
483301.59	3733714.82	1.14349	(14040124)	483364.53	
3733652.69	0.53820m	(10052024)			
482964.67	3734017.41	1.22674	(16010524)	482964.39	
3734035.32	1.07875	(16010524)			
483036.02	3734094.07	0.73214	(16010524)	482918.10	
3734083.37	0.78671	(16010524)			
483381.46	3734038.47	0.35442	(15122224)	483420.31	
3734067.44	0.25438	(15122224)			
483410.44	3734096.75	0.25955	(15122224)		

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	ZELEV, ZHILL, ZFLAG)	OF TYPE	AVERAGE CONC	GRID-ID	DATE	RECEPTOR	NETWORK
				(YYMMDDHH)	(XR, YR,		

ALL	HIGH	1ST HIGH VALUE IS	3.30382	ON 11121924:	AT (	483196.37,	3733935.41,
436.00,	436.00,	2.00)	DC				

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
 *** 04/03/24

*** AERMET - VERSION 16216 ***
 *** 12:03:25

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
 A Total of 4 Warning Message(s)
 A Total of 2028 Informational Message(s)
 A Total of 43824 Hours Were Processed
 A Total of 978 Calm Hours Identified
 A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****

ME W186 615 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
 ME W187 615 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
 MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

 *** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 Cons PM25\15109 Cons
PM25.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "15109 Cons PM25.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	482912.856	3733903.134	435.000
LOCATION VOL2	VOLUME	482912.780	3733847.000	435.000
LOCATION VOL3	VOLUME	482913.210	3733797.473	435.000
LOCATION VOL4	VOLUME	482964.959	3733903.884	435.000
LOCATION VOL5	VOLUME	482964.883	3733847.749	435.000
LOCATION VOL6	VOLUME	482965.313	3733798.222	435.000
LOCATION VOL7	VOLUME	483022.016	3733903.379	435.000
LOCATION VOL8	VOLUME	483021.941	3733847.245	435.000
LOCATION VOL9	VOLUME	483022.371	3733797.717	435.000
LOCATION VOL10	VOLUME	483075.539	3733902.369	435.000
LOCATION VOL11	VOLUME	483075.464	3733846.235	435.000
LOCATION VOL12	VOLUME	483075.894	3733796.707	435.000
LOCATION VOL13	VOLUME	483133.102	3733902.874	436.000
LOCATION VOL14	VOLUME	483133.026	3733846.740	436.000
LOCATION VOL15	VOLUME	483133.456	3733797.212	435.440
LOCATION VOL16	VOLUME	483187.130	3733902.369	436.000
LOCATION VOL17	VOLUME	483187.054	3733846.235	436.000
LOCATION VOL18	VOLUME	483187.484	3733796.707	436.000
LOCATION VOL19	VOLUME	483242.672	3733902.369	436.000
LOCATION VOL20	VOLUME	483242.597	3733846.235	436.000
LOCATION VOL21	VOLUME	483243.027	3733796.707	436.000
LOCATION VOL22	VOLUME	483025.644	3733740.886	435.000
LOCATION VOL23	VOLUME	483080.177	3733740.886	435.000
LOCATION VOL24	VOLUME	483133.700	3733741.391	435.120
LOCATION VOL25	VOLUME	483190.252	3733739.876	436.000
LOCATION VOL26	VOLUME	483240.746	3733740.381	436.000
LOCATION VOL27	VOLUME	483024.129	3733728.768	435.000
LOCATION VOL28	VOLUME	483081.187	3733727.758	435.000

LOCATION VOL29	VOLUME	483136.224	3733726.748	435.210
LOCATION VOL30	VOLUME	483190.757	3733724.728	436.000
LOCATION VOL31	VOLUME	483238.726	3733723.214	436.000
LOCATION PAREA1	AREAPOLY	482884.455	3733932.048	435.000

** Source Parameters **

SRCPARAM VOL1	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL2	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL3	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL4	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL5	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL6	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL7	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL8	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL9	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL10	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL11	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL12	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL13	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL14	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL15	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL16	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL17	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL18	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL19	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL20	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL21	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL22	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL23	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL24	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL25	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL26	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL27	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL28	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL29	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL30	0.0000508056	5.000	12.828	1.400
SRCPARAM VOL31	0.0000508056	5.000	12.828	1.400
SRCPARAM PAREA1	5.1788E-07	0.000	9	1.000
AREAVERT PAREA1	482884.455	3733932.048	483271.852	3733929.410
AREAVERT PAREA1	483273.359	3733793.746	483270.344	3733781.310
AREAVERT PAREA1	483268.083	3733762.091	483267.330	3733696.143
AREAVERT PAREA1	482997.132	3733701.042	482997.132	3733768.874
AREAVERT PAREA1	482884.078	3733769.251		
URBANSRC ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Construction"

** WeekDays:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

** Sunday:

** WeekDays:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

**

** AERMOD Receptor Pathway

**
**
RE STARTING
INCLUDED "15109 Cons PM25.rou"
RE FINISHED

**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE PERI_V9_ADJU\PERI_v9.SFC
PROFFILE PERI_V9_ADJU\PERI_v9.PFL
SURFDATA 3171 2010
UAIRDATA 3190 2010
SITEDATA 99999 2010
PROFBASE 442.0 METERS
ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "15109 CONS PM25.AD\24H1GALL.PLT" 31
SUMMFILE "15109 Cons PM25.sum"
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 *****

ME W186 615 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 615 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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** Model Options Selected:

* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 32 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 32 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 31 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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) = 442.00 ; 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 = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:
aermod.out

**Detailed Error/Message File: 15109 Cons
PM25.err
**File for Summary of Results: 15109 Cons
PM25.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE	AIRPLANE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
SCALAR VARY	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY						
(METERS)								
VOL1	0	0.50806E-04	482912.9	3733903.1	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL2	0	0.50806E-04	482912.8	3733847.0	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL3	0	0.50806E-04	482913.2	3733797.5	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL4	0	0.50806E-04	482965.0	3733903.9	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL5	0	0.50806E-04	482964.9	3733847.7	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL6	0	0.50806E-04	482965.3	3733798.2	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL7	0	0.50806E-04	483022.0	3733903.4	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL8	0	0.50806E-04	483021.9	3733847.2	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL9	0	0.50806E-04	483022.4	3733797.7	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL10	0	0.50806E-04	483075.5	3733902.4	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL11	0	0.50806E-04	483075.5	3733846.2	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL12	0	0.50806E-04	483075.9	3733796.7	435.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL13	0	0.50806E-04	483133.1	3733902.9	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL14	0	0.50806E-04	483133.0	3733846.7	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL15	0	0.50806E-04	483133.5	3733797.2	435.4	5.00	12.83	1.40
YES HRDOW		NO						
VOL16	0	0.50806E-04	483187.1	3733902.4	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL17	0	0.50806E-04	483187.1	3733846.2	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL18	0	0.50806E-04	483187.5	3733796.7	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL19	0	0.50806E-04	483242.7	3733902.4	436.0	5.00	12.83	1.40
YES HRDOW		NO						
VOL20	0	0.50806E-04	483242.6	3733846.2	436.0	5.00	12.83	1.40

VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,

VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , PAREA1 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,
	VOL6	, VOL7	,				
VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, PAREA1	,				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
---	---	---	---	---	---	---	---	---	---	---
DAY OF WEEK = WEEKDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
	.1000E+01	15	.1000E+01	16	.1000E+01					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					
DAY OF WEEK = SATURDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
	.0000E+00	15	.0000E+00	16	.0000E+00					
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
	.0000E+00	23	.0000E+00	24	.0000E+00					
DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
	.0000E+00	7	.0000E+00	8	.0000E+00					
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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HRA.isc *** 04/03/24
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*** 12:18:39

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:18:39

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 12:18:39

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 12:18:39

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS

HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

12:18:39

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(483120.1, 3733660.2, 435.0, 435.0, 2.0); (483289.4, 3733778.1,
436.0, 436.0, 2.0);
(483289.7, 3733875.8, 436.0, 436.0, 2.0); (483232.9, 3733971.1,
436.0, 436.0, 2.0);
(483196.4, 3733935.4, 436.0, 436.0, 2.0); (482905.1, 3733998.1,
435.0, 435.0, 2.0);
(482945.4, 3733647.3, 435.0, 435.0, 2.0); (482845.7, 3733633.3,
435.0, 435.0, 2.0);
(484104.9, 3733910.1, 441.0, 441.0, 2.0); (484128.8, 3733930.1,
441.3, 441.3, 2.0);
(484108.8, 3733983.3, 441.4, 441.4, 2.0); (482693.6, 3734103.5,
434.0, 434.0, 2.0);
(483303.9, 3733791.8, 436.0, 436.0, 2.0); (483300.5, 3733832.0,
436.0, 436.0, 2.0);
(483301.6, 3733877.8, 436.0, 436.0, 2.0); (483303.4, 3733903.6,
436.0, 436.0, 2.0);
(483304.6, 3733955.9, 436.0, 436.0, 2.0); (483338.4, 3733979.7,
436.9, 436.9, 2.0);
(483293.2, 3733760.0, 436.0, 436.0, 2.0); (483292.0, 3733686.8,
436.0, 436.0, 2.0);
(483334.0, 3734120.6, 436.8, 436.8, 2.0); (483312.8, 3734143.7,
436.1, 436.1, 2.0);
(483031.0, 3734054.5, 435.0, 435.0, 2.0); (483376.1, 3734009.4,
437.0, 437.0, 2.0);
(483301.6, 3733714.8, 436.0, 436.0, 2.0); (483364.5, 3733652.7,
436.0, 436.0, 2.0);

Surface station no.: 3171
 Name: UNKNOWN
 UNKNOWN
 Year: 2010

Upper air station no.: 3190
 Name:
 Year: 2010

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												
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.		21.2	0.19	0.61	1.00	1.30	
335.		9.1	282.5		5.5												
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.		15.1	0.19	0.61	1.00	0.90	
142.		9.1	280.9		5.5												
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.		15.1	0.19	0.61	1.00	0.90	
324.		9.1	280.4		5.5												
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.		18.3	0.19	0.61	1.00	0.40	
294.		9.1	278.8		5.5												
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.		15.0	0.19	0.61	1.00	0.90	
205.		9.1	278.1		5.5												
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.		18.3	0.19	0.61	1.00	0.40	
3.		9.1	277.0		5.5												
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.		21.0	0.19	0.61	1.00	1.30	
99.		9.1	277.0		5.5												
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.		16.8	0.19	0.61	0.54	0.90	
319.		9.1	278.8		5.5												
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.		-9.0	0.19	0.61	0.33	0.90	
239.		9.1	284.2		5.5												
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.		-1.0	0.19	0.61	0.26	0.40	
188.		9.1	289.2		5.5												
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.		-35.9	0.19	0.61	0.23	2.70	
310.		9.1	290.9		5.5												
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.		-19.7	0.19	0.61	0.22	2.20	
357.		9.1	293.1		5.5												
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.		-20.4	0.19	0.61	0.22	2.20	
356.		9.1	293.8		5.5												
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.		-23.2	0.19	0.61	0.23	2.20	
50.		9.1	294.2		5.5												
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.		-19.2	0.19	0.61	0.27	1.80	
53.		9.1	293.8		5.5												
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.		-61.5	0.19	0.61	0.36	1.80	
11.		9.1	292.5		5.5												
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.		15.6	0.19	0.61	0.64	0.90	
351.		9.1	290.4		5.5												
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.		15.2	0.19	0.61	1.00	0.90	
186.		9.1	287.5		5.5												
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.		15.2	0.19	0.61	1.00	0.90	
275.		9.1	285.9		5.5												
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.		18.1	0.19	0.61	1.00	0.40	
181.		9.1	285.4		5.5												
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.		21.3	0.19	0.61	1.00	1.30	
318.		9.1	284.9		5.5												
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.		15.1	0.19	0.61	1.00	0.90	
196.		9.1	283.1		5.5												
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.		15.1	0.19	0.61	1.00	0.90	
330.		9.1	281.4		5.5												
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.		21.2	0.19	0.61	1.00	1.30	
332.		9.1	280.9		5.5												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M³ **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
483120.12	3733660.19	0.87330	(16122224)	483289.42	
3733778.15	0.77186	(14040124)			
483289.67	3733875.83	0.87273	(15122224)	483232.88	
3733971.13	0.75352c	(10121724)			
483196.37	3733935.41	1.58400	(11121924)	482905.11	
3733998.15	0.65443	(16010524)			
482945.39	3733647.28	0.45626c	(11010324)	482845.73	
3733633.26	0.23840m	(15123124)			
484104.90	3733910.11	0.01870	(14122224)	484128.78	
3733930.14	0.01863	(14122224)			
484108.75	3733983.28	0.01926	(14122224)	482693.57	
3734103.53	0.17334	(10121524)			
483303.87	3733791.80	0.62460	(14040124)	483300.45	
3733832.03	0.63257	(15122224)			
483301.59	3733877.75	0.65978	(15122224)	483303.42	
3733903.58	0.64054	(15122224)			
483304.56	3733955.92	0.48539	(15122224)	483338.39	
3733979.69	0.29421	(15122224)			
483293.17	3733760.02	0.70145	(14040124)	483292.01	
3733686.85	0.63755	(14120424)			
483334.00	3734120.59	0.16438c	(11030724)	483312.78	
3734143.67	0.15792	(11112424)			
483031.00	3734054.50	0.45533	(16010524)	483376.10	
3734009.36	0.19111	(15122224)			
483301.59	3733714.82	0.55124	(14040124)	483364.53	
3733652.69	0.25982m	(10052024)			
482964.67	3734017.41	0.59129	(16010524)	482964.39	
3734035.32	0.52002	(16010524)			
483036.02	3734094.07	0.35290	(16010524)	482918.10	
3734083.37	0.37920	(16010524)			
483381.46	3734038.47	0.17065	(15122224)	483420.31	
3734067.44	0.12255	(15122224)			
483410.44	3734096.75	0.12497	(15122224)		

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID	ZELEV, ZHILL, ZFLAG)	OF TYPE	AVERAGE CONC	GRID-ID	DATE	RECEPTOR	NETWORK
				(YYMMDDHH)	(XR, YR,		

ALL	HIGH	1ST HIGH VALUE IS	1.58400	ON 11121924:	AT (	483196.37,	3733935.41,
436.00,	436.00,	2.00)	DC				

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
 *** 04/03/24

*** AERMET - VERSION 16216 ***
 *** 12:18:39

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
 A Total of 4 Warning Message(s)
 A Total of 2028 Informational Message(s)
 A Total of 43824 Hours Were Processed
 A Total of 978 Calm Hours Identified
 A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****

ME W186	615	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	615	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

 *** AERMOD Finishes Successfully ***

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 Ops CO\15109 Ops
CO.ADI
**
```

```
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
```

```
CO STARTING
TITLEONE C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2189641
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "15109 Ops CO.err"
```

```
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION	VOL	VOLUME	X Coord.	Y Coord.	
LOCATION VOL1		VOLUME	482912.856	3733903.134	435.000
LOCATION VOL2		VOLUME	482912.780	3733847.000	435.000
LOCATION VOL3		VOLUME	482913.210	3733797.473	435.000
LOCATION VOL4		VOLUME	482964.959	3733903.884	435.000
LOCATION VOL5		VOLUME	482964.883	3733847.749	435.000
LOCATION VOL6		VOLUME	482965.313	3733798.222	435.000
LOCATION VOL7		VOLUME	483022.016	3733903.379	435.000
LOCATION VOL8		VOLUME	483021.941	3733847.245	435.000
LOCATION VOL9		VOLUME	483022.371	3733797.717	435.000
LOCATION VOL10		VOLUME	483075.539	3733902.369	435.000
LOCATION VOL11		VOLUME	483075.464	3733846.235	435.000
LOCATION VOL12		VOLUME	483075.894	3733796.707	435.000
LOCATION VOL13		VOLUME	483133.102	3733902.874	436.000
LOCATION VOL14		VOLUME	483133.026	3733846.740	436.000
LOCATION VOL15		VOLUME	483133.456	3733797.212	435.440
LOCATION VOL16		VOLUME	483187.130	3733902.369	436.000
LOCATION VOL17		VOLUME	483187.054	3733846.235	436.000
LOCATION VOL18		VOLUME	483187.484	3733796.707	436.000
LOCATION VOL19		VOLUME	483242.672	3733902.369	436.000
LOCATION VOL20		VOLUME	483242.597	3733846.235	436.000
LOCATION VOL21		VOLUME	483243.027	3733796.707	436.000
LOCATION VOL22		VOLUME	483025.644	3733740.886	435.000
LOCATION VOL23		VOLUME	483080.177	3733740.886	435.000
LOCATION VOL24		VOLUME	483133.700	3733741.391	435.120
LOCATION VOL25		VOLUME	483190.252	3733739.876	436.000
LOCATION VOL26		VOLUME	483240.746	3733740.381	436.000
LOCATION VOL27		VOLUME	483024.129	3733728.768	435.000
LOCATION VOL28		VOLUME	483081.187	3733727.758	435.000

LOCATION VOL29	VOLUME	483136.224	3733726.748	435.210
LOCATION VOL30	VOLUME	483190.757	3733724.728	436.000
LOCATION VOL31	VOLUME	483238.726	3733723.214	436.000

** Source Parameters **

SRCPARAM VOL1	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL2	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL3	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL4	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL5	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL6	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL7	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL8	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL9	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL10	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL11	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL12	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL13	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL14	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL15	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL16	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL17	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL18	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL19	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL20	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL21	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL22	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL23	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL24	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL25	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL26	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL27	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL28	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL29	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL30	0.0074061554	5.000	12.828	1.400
SRCPARAM VOL31	0.0074061554	5.000	12.828	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "15109 Ops CO.rou"

RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE PERI_V9_ADJU\PERI_v9.SFC
PROFFILE PERI_V9_ADJU\PERI_v9.PFL
SURFDATA 3171 2010
UAIRDATA 3190 2010
SITEDATA 99999 2010
PROFBASE 442.0 METERS

ME FINISHED
**

** AERMOD Output Pathway

**

**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "15109 OPS CO.AD\01H1GALL.PLT" 31
PLOTFILE 8 ALL 1ST "15109 OPS CO.AD\08H1GALL.PLT" 32
SUMMFILE "15109 Ops CO.sum"
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 *****
ME W186 125 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 125 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

RA *** AERMOD - VERSION 23132 *** ** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:26:27

PAGE 1

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 31 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 31 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 31 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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) = 442.00 ; 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 = 3.5 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 15109 Ops

CO.err

**File for Summary of Results: 15109 Ops

CO.sum

*** AERMET - VERSION 16216 ***
*** AERMOD - VERSION 23132 ***
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04/03/24

*** AERMET - VERSION 16216 ***

12:26:27

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT.
URBAN EMISSION RATE AIRCRAFT
SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY SZ
SOURCE SCALAR VARY
ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS) BY

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs							
-----	-----							
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	, VOL7	, VOL8
VOL7	, VOL8							
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	, VOL15	, VOL16
	VOL15	, VOL16						
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	, VOL23	, VOL24
	VOL23	, VOL24						
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	, VOL31	, VOL31
	VOL31							

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs							
-----	-----	-----							
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	, VOL7	
VOL8	, VOL8	, VOL7							
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	, VOL15	, VOL16	
	VOL15	, VOL16							
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	, VOL23	, VOL24	
	VOL23	, VOL24							
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	, VOL31	, VOL31	
	VOL31								

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS *** (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG) (METERS)

(483120.1, 3733660.2, 435.0, 435.0, 2.0); (483289.4, 3733778.1, 436.0, 436.0, 2.0); (483289.7, 3733875.8, 436.0, 436.0, 2.0); (483232.9, 3733971.1, 436.0, 436.0, 2.0);

10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
186.	9.1	287.5	5.5												
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
275.	9.1	285.9	5.5												
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40
181.	9.1	285.4	5.5												
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30
318.	9.1	284.9	5.5												
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
196.	9.1	283.1	5.5												
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
330.	9.1	281.4	5.5												
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
332.	9.1	280.9	5.5												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
 *** AERMET - VERSION 16216 ***
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 *** 12:26:27

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
483120.12	3733660.19	26.59408	(11091107)	483289.42	
3733778.15	41.00090	(11091107)			
483289.67	3733875.83	37.98461	(14041207)	483232.88	
3733971.13	30.51344	(14041207)			
483196.37	3733935.41	52.96973	(14041207)	482905.11	
3733998.15	17.71254	(14090218)			
482945.39	3733647.28	22.51738	(11010316)	482845.73	
3733633.26	13.01798	(11010316)			
484104.90	3733910.11	3.40714	(16120418)	484128.78	
3733930.14	3.40635	(16120418)			
484108.75	3733983.28	3.61136	(10082519)	482693.57	
3734103.53	7.83754	(14090218)			
483303.87	3733791.80	32.60727	(11091107)	483300.45	
3733832.03	30.62263	(14041207)			
483301.59	3733877.75	31.47746	(14041207)	483303.42	
3733903.58	30.50480	(14041207)			

483334.00	3734120.59	3.94496	(14013108)	483312.78
3734143.67	3.82342	(16041024)		
483031.00	3734054.50	7.88458m	(10060508)	483376.10
3734009.36	5.06885m	(10060508)		
483301.59	3733714.82	15.57716c	(16021224)	483364.53
3733652.69	6.63728m	(10060508)		
482964.67	3734017.41	9.44869m	(10060508)	482964.39
3734035.32	8.24336m	(10060508)		
483036.02	3734094.07	6.16519m	(10060508)	482918.10
3734083.37	5.51968m	(10060508)		
483381.46	3734038.47	4.46339m	(10060508)	483420.31
3734067.44	3.54110m	(10060508)		
483410.44	3734096.75	3.42209		
(14013108)				

```

*** AERMOD - VERSION 23132 *** *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:26:27

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN **
MICROGRAMS/M**3 **

DATE

NETWORK

GROUP ID	AVERAGE CONC	(YYMMDDHH)	RECEPTOR	(XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID		

ALL HIGH 1ST HIGH VALUE IS 52.96973 ON 14041207: AT (483196.37, 3733935.41,
436.00, 436.00, 2.00) DC

```

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

```

```

*** AERMOD - VERSION 23132 *** *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:26:27

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN **
MICROGRAMS/M**3 **

DATE

NETWORK

GROUP ID	AVERAGE CONC	(YYMMDDHH)	RECEPTOR	(XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID		

ALL HIGH 1ST HIGH VALUE IS 25.28339m ON 10060508: AT (483196.37, 3733935.41,
436.00, 436.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 12:26:27

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)
A Total of 43824 Hours Were Processed
A Total of 978 Calm Hours Identified
A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 125 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 125 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 Ops NOX\15109 Ops
NOX.ADI

```

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**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2189641
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "15109 Ops NOX.err"

```

```

CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	482912.856	3733903.134	435.000
LOCATION VOL2	VOLUME	482912.780	3733847.000	435.000
LOCATION VOL3	VOLUME	482913.210	3733797.473	435.000
LOCATION VOL4	VOLUME	482964.959	3733903.884	435.000
LOCATION VOL5	VOLUME	482964.883	3733847.749	435.000
LOCATION VOL6	VOLUME	482965.313	3733798.222	435.000
LOCATION VOL7	VOLUME	483022.016	3733903.379	435.000
LOCATION VOL8	VOLUME	483021.941	3733847.245	435.000
LOCATION VOL9	VOLUME	483022.371	3733797.717	435.000
LOCATION VOL10	VOLUME	483075.539	3733902.369	435.000
LOCATION VOL11	VOLUME	483075.464	3733846.235	435.000
LOCATION VOL12	VOLUME	483075.894	3733796.707	435.000
LOCATION VOL13	VOLUME	483133.102	3733902.874	436.000
LOCATION VOL14	VOLUME	483133.026	3733846.740	436.000
LOCATION VOL15	VOLUME	483133.456	3733797.212	435.440
LOCATION VOL16	VOLUME	483187.130	3733902.369	436.000
LOCATION VOL17	VOLUME	483187.054	3733846.235	436.000
LOCATION VOL18	VOLUME	483187.484	3733796.707	436.000
LOCATION VOL19	VOLUME	483242.672	3733902.369	436.000
LOCATION VOL20	VOLUME	483242.597	3733846.235	436.000
LOCATION VOL21	VOLUME	483243.027	3733796.707	436.000
LOCATION VOL22	VOLUME	483025.644	3733740.886	435.000
LOCATION VOL23	VOLUME	483080.177	3733740.886	435.000
LOCATION VOL24	VOLUME	483133.700	3733741.391	435.120
LOCATION VOL25	VOLUME	483190.252	3733739.876	436.000
LOCATION VOL26	VOLUME	483240.746	3733740.381	436.000
LOCATION VOL27	VOLUME	483024.129	3733728.768	435.000
LOCATION VOL28	VOLUME	483081.187	3733727.758	435.000

LOCATION VOL29	VOLUME	483136.224	3733726.748	435.210
LOCATION VOL30	VOLUME	483190.757	3733724.728	436.000
LOCATION VOL31	VOLUME	483238.726	3733723.214	436.000

** Source Parameters **

SRCPARAM VOL1	0.0011869	5.000	12.828	1.400
SRCPARAM VOL2	0.0011869	5.000	12.828	1.400
SRCPARAM VOL3	0.0011869	5.000	12.828	1.400
SRCPARAM VOL4	0.0011869	5.000	12.828	1.400
SRCPARAM VOL5	0.0011869	5.000	12.828	1.400
SRCPARAM VOL6	0.0011869	5.000	12.828	1.400
SRCPARAM VOL7	0.0011869	5.000	12.828	1.400
SRCPARAM VOL8	0.0011869	5.000	12.828	1.400
SRCPARAM VOL9	0.0011869	5.000	12.828	1.400
SRCPARAM VOL10	0.0011869	5.000	12.828	1.400
SRCPARAM VOL11	0.0011869	5.000	12.828	1.400
SRCPARAM VOL12	0.0011869	5.000	12.828	1.400
SRCPARAM VOL13	0.0011869	5.000	12.828	1.400
SRCPARAM VOL14	0.0011869	5.000	12.828	1.400
SRCPARAM VOL15	0.0011869	5.000	12.828	1.400
SRCPARAM VOL16	0.0011869	5.000	12.828	1.400
SRCPARAM VOL17	0.0011869	5.000	12.828	1.400
SRCPARAM VOL18	0.0011869	5.000	12.828	1.400
SRCPARAM VOL19	0.0011869	5.000	12.828	1.400
SRCPARAM VOL20	0.0011869	5.000	12.828	1.400
SRCPARAM VOL21	0.0011869	5.000	12.828	1.400
SRCPARAM VOL22	0.0011869	5.000	12.828	1.400
SRCPARAM VOL23	0.0011869	5.000	12.828	1.400
SRCPARAM VOL24	0.0011869	5.000	12.828	1.400
SRCPARAM VOL25	0.0011869	5.000	12.828	1.400
SRCPARAM VOL26	0.0011869	5.000	12.828	1.400
SRCPARAM VOL27	0.0011869	5.000	12.828	1.400
SRCPARAM VOL28	0.0011869	5.000	12.828	1.400
SRCPARAM VOL29	0.0011869	5.000	12.828	1.400
SRCPARAM VOL30	0.0011869	5.000	12.828	1.400
SRCPARAM VOL31	0.0011869	5.000	12.828	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "15109 Ops NOX.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE PERI_V9_ADJU\PERI_v9.SFC

PROFFILE PERI_V9_ADJU\PERI_v9.PFL

SURFDATA 3171 2010

UAIRDATA 3190 2010

SITEDATA 99999 2010

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "15109 OPS NOX.AD\01H1GALL.PLT" 31
SUMMFILE "15109 Ops NOX.sum"
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 *****
ME W186 125 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 125 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:38:11

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 31 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 31 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

and: 31 VOLUME source(s)

and: 0 AREA type source(s)

and: 0 LINE source(s)

and: 0 RLINE/RLINEXT source(s)

and: 0 OPENPIT source(s)

and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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) = 442.00 ; 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 = 3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: 15109 Ops
NOX.err
**File for Summary of Results: 15109 Ops
NOX.sum

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
*** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:38:11

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY						
VOL1	0	0.11869E-02	482912.9	3733903.1	435.0	5.00	12.83	1.40

YES		NO						
VOL2	0	0.11869E-02	482912.8	3733847.0	435.0	5.00	12.83	1.40
YES		NO						
VOL3	0	0.11869E-02	482913.2	3733797.5	435.0	5.00	12.83	1.40
YES		NO						
VOL4	0	0.11869E-02	482965.0	3733903.9	435.0	5.00	12.83	1.40
YES		NO						
VOL5	0	0.11869E-02	482964.9	3733847.7	435.0	5.00	12.83	1.40
YES		NO						
VOL6	0	0.11869E-02	482965.3	3733798.2	435.0	5.00	12.83	1.40
YES		NO						
VOL7	0	0.11869E-02	483022.0	3733903.4	435.0	5.00	12.83	1.40
YES		NO						
VOL8	0	0.11869E-02	483021.9	3733847.2	435.0	5.00	12.83	1.40
YES		NO						
VOL9	0	0.11869E-02	483022.4	3733797.7	435.0	5.00	12.83	1.40
YES		NO						
VOL10	0	0.11869E-02	483075.5	3733902.4	435.0	5.00	12.83	1.40
YES		NO						
VOL11	0	0.11869E-02	483075.5	3733846.2	435.0	5.00	12.83	1.40
YES		NO						
VOL12	0	0.11869E-02	483075.9	3733796.7	435.0	5.00	12.83	1.40
YES		NO						
VOL13	0	0.11869E-02	483133.1	3733902.9	436.0	5.00	12.83	1.40
YES		NO						
VOL14	0	0.11869E-02	483133.0	3733846.7	436.0	5.00	12.83	1.40
YES		NO						
VOL15	0	0.11869E-02	483133.5	3733797.2	435.4	5.00	12.83	1.40
YES		NO						
VOL16	0	0.11869E-02	483187.1	3733902.4	436.0	5.00	12.83	1.40
YES		NO						
VOL17	0	0.11869E-02	483187.1	3733846.2	436.0	5.00	12.83	1.40
YES		NO						
VOL18	0	0.11869E-02	483187.5	3733796.7	436.0	5.00	12.83	1.40
YES		NO						
VOL19	0	0.11869E-02	483242.7	3733902.4	436.0	5.00	12.83	1.40
YES		NO						
VOL20	0	0.11869E-02	483242.6	3733846.2	436.0	5.00	12.83	1.40
YES		NO						
VOL21	0	0.11869E-02	483243.0	3733796.7	436.0	5.00	12.83	1.40
YES		NO						
VOL22	0	0.11869E-02	483025.6	3733740.9	435.0	5.00	12.83	1.40
YES		NO						
VOL23	0	0.11869E-02	483080.2	3733740.9	435.0	5.00	12.83	1.40
YES		NO						
VOL24	0	0.11869E-02	483133.7	3733741.4	435.1	5.00	12.83	1.40
YES		NO						
VOL25	0	0.11869E-02	483190.3	3733739.9	436.0	5.00	12.83	1.40
YES		NO						
VOL26	0	0.11869E-02	483240.7	3733740.4	436.0	5.00	12.83	1.40
YES		NO						
VOL27	0	0.11869E-02	483024.1	3733728.8	435.0	5.00	12.83	1.40
YES		NO						
VOL28	0	0.11869E-02	483081.2	3733727.8	435.0	5.00	12.83	1.40
YES		NO						
VOL29	0	0.11869E-02	483136.2	3733726.7	435.2	5.00	12.83	1.40
YES		NO						
VOL30	0	0.11869E-02	483190.8	3733724.7	436.0	5.00	12.83	1.40
YES		NO						
VOL31	0	0.11869E-02	483238.7	3733723.2	436.0	5.00	12.83	1.40
YES		NO						

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS

HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

12:38:11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,										

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*** AERMOD - VERSION 23132 *** *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

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*** AERMET - VERSION 16216 ***
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*** 12:38:11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID

URBAN POP

SOURCE IDs

	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
VOL8	, VOL6	, VOL7	,									
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,										

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*** AERMOD - VERSION 23132 *** *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

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*** AERMET - VERSION 16216 ***
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*** 12:38:11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 483120.1, 3733660.2, 435.0, 435.0, 2.0); ( 483289.4, 3733778.1,
436.0, 436.0, 2.0);
( 483289.7, 3733875.8, 436.0, 436.0, 2.0); ( 483232.9, 3733971.1,
436.0, 436.0, 2.0);
( 483196.4, 3733935.4, 436.0, 436.0, 2.0); ( 482905.1, 3733998.1,
435.0, 435.0, 2.0);

```


10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
275.	9.1	285.9	5.5												
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40
181.	9.1	285.4	5.5												
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30
318.	9.1	284.9	5.5												
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
196.	9.1	283.1	5.5												
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
330.	9.1	281.4	5.5												
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
332.	9.1	280.9	5.5												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc *** 04/03/24

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
483120.12	3733660.19	4.26193	(11091107)	483289.42	
3733778.15	6.57075	(11091107)			
483289.67	3733875.83	6.08736	(14041207)	483232.88	
3733971.13	4.89004	(14041207)			
483196.37	3733935.41	8.48885	(14041207)	482905.11	
3733998.15	2.83859	(14090218)			
482945.39	3733647.28	3.60860	(11010316)	482845.73	
3733633.26	2.08624	(11010316)			
484104.90	3733910.11	0.54602	(16120418)	484128.78	
3733930.14	0.54590	(16120418)			
484108.75	3733983.28	0.57875	(10082519)	482693.57	
3734103.53	1.25603	(14090218)			
483303.87	3733791.80	5.22560	(11091107)	483300.45	
3733832.03	4.90754	(14041207)			
483301.59	3733877.75	5.04453	(14041207)	483303.42	
3733903.58	4.88866	(14041207)			
483304.56	3733955.92	4.16218	(14041207)	483338.39	
3733979.69	2.85355	(14041207)			

483293.17	3733760.02	6.36305	(11091107)	483292.01
3733686.85	6.29430	(11091107)		
483334.00	3734120.59	1.48315	(14041207)	483312.78
3734143.67	1.33052	(14041207)		
483031.00	3734054.50	1.77781	(14113016)	483376.10
3734009.36	2.02096	(14041207)		
483301.59	3733714.82	6.61925	(11091107)	483364.53
3733652.69	2.82157	(11091107)		
482964.67	3734017.41	2.44456	(16010516)	482964.39
3734035.32	2.17742	(16010516)		
483036.02	3734094.07	1.46373	(14113016)	482918.10
3734083.37	1.69921	(16010516)		
483381.46	3734038.47	1.81257	(14041207)	483420.31
3734067.44	1.39042	(14041207)		
483410.44	3734096.75	1.34840		
(14041207)				

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF NOX IN **
MICROGRAMS/M**3

DATE

NETWORK

GROUP ID	AVERAGE CONC	(YYMMDDHH)	RECEPTOR	(XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID		

ALL HIGH 1ST HIGH VALUE IS 8.48885 ON 14041207: AT (483196.37, 3733935.41,
436.00, 436.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 208 Informational Message(s)

A Total of 43824 Hours Were Processed
A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186	125	MEOOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	125	MEOOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 Ops PM10\15109 Ops
PM10.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "15109 Ops PM10.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	482912.856	3733903.134	435.000
LOCATION VOL2	VOLUME	482912.780	3733847.000	435.000
LOCATION VOL3	VOLUME	482913.210	3733797.473	435.000
LOCATION VOL4	VOLUME	482964.959	3733903.884	435.000
LOCATION VOL5	VOLUME	482964.883	3733847.749	435.000
LOCATION VOL6	VOLUME	482965.313	3733798.222	435.000
LOCATION VOL7	VOLUME	483022.016	3733903.379	435.000
LOCATION VOL8	VOLUME	483021.941	3733847.245	435.000
LOCATION VOL9	VOLUME	483022.371	3733797.717	435.000
LOCATION VOL10	VOLUME	483075.539	3733902.369	435.000
LOCATION VOL11	VOLUME	483075.464	3733846.235	435.000
LOCATION VOL12	VOLUME	483075.894	3733796.707	435.000
LOCATION VOL13	VOLUME	483133.102	3733902.874	436.000
LOCATION VOL14	VOLUME	483133.026	3733846.740	436.000
LOCATION VOL15	VOLUME	483133.456	3733797.212	435.440
LOCATION VOL16	VOLUME	483187.130	3733902.369	436.000
LOCATION VOL17	VOLUME	483187.054	3733846.235	436.000
LOCATION VOL18	VOLUME	483187.484	3733796.707	436.000
LOCATION VOL19	VOLUME	483242.672	3733902.369	436.000
LOCATION VOL20	VOLUME	483242.597	3733846.235	436.000
LOCATION VOL21	VOLUME	483243.027	3733796.707	436.000
LOCATION VOL22	VOLUME	483025.644	3733740.886	435.000
LOCATION VOL23	VOLUME	483080.177	3733740.886	435.000
LOCATION VOL24	VOLUME	483133.700	3733741.391	435.120
LOCATION VOL25	VOLUME	483190.252	3733739.876	436.000
LOCATION VOL26	VOLUME	483240.746	3733740.381	436.000
LOCATION VOL27	VOLUME	483024.129	3733728.768	435.000
LOCATION VOL28	VOLUME	483081.187	3733727.758	435.000

LOCATION VOL29	VOLUME	483136.224	3733726.748	435.210
LOCATION VOL30	VOLUME	483190.757	3733724.728	436.000
LOCATION VOL31	VOLUME	483238.726	3733723.214	436.000

** Source Parameters **

SRCPARAM VOL1	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL2	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL3	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL4	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL5	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL6	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL7	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL8	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL9	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL10	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL11	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL12	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL13	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL14	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL15	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL16	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL17	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL18	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL19	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL20	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL21	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL22	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL23	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL24	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL25	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL26	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL27	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL28	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL29	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL30	0.0001285178	5.000	12.828	1.400
SRCPARAM VOL31	0.0001285178	5.000	12.828	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "15109 Ops PM10.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE PERI_V9_ADJU\PERI_v9.SFC

PROFFILE PERI_V9_ADJU\PERI_v9.PFL

SURFDATA 3171 2010

UAIRDATA 3190 2010

SITEDATA 99999 2010

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "15109 OPS PM10.AD\24H1GALL.PLT" 31
SUMMFILE "15109 Ops PM10.sum"
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 *****
ME W186 125 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 125 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:47:11

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 31 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 31 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

and: 31 VOLUME source(s)

and: 0 AREA type source(s)

and: 0 LINE source(s)

and: 0 RLINE/RLINEXT source(s)

and: 0 OPENPIT source(s)

and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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) = 442.00 ; 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 = 3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: 15109 Ops
PM10.err
**File for Summary of Results: 15109 Ops
PM10.sum

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
*** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:47:11

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	SCALAR	NUMBER	EMISSION RATE	AIRCRAFT		BASE	RELEASE	INIT.	INIT.
				URBAN	EMISSION RATE					X	Y
ID	CATS.		(GRAMS/SEC)	(METERS)	(METERS)	ELEV.	HEIGHT	SY	SZ
(METERS)	VARY		BY			(METERS)	(METERS)	(METERS)	
VOL1		0	0.12852E-03	482912.9	3733903.1	435.0	5.00	12.83	1.40

YES		NO						
VOL2	0	0.12852E-03	482912.8	3733847.0	435.0	5.00	12.83	1.40
YES		NO						
VOL3	0	0.12852E-03	482913.2	3733797.5	435.0	5.00	12.83	1.40
YES		NO						
VOL4	0	0.12852E-03	482965.0	3733903.9	435.0	5.00	12.83	1.40
YES		NO						
VOL5	0	0.12852E-03	482964.9	3733847.7	435.0	5.00	12.83	1.40
YES		NO						
VOL6	0	0.12852E-03	482965.3	3733798.2	435.0	5.00	12.83	1.40
YES		NO						
VOL7	0	0.12852E-03	483022.0	3733903.4	435.0	5.00	12.83	1.40
YES		NO						
VOL8	0	0.12852E-03	483021.9	3733847.2	435.0	5.00	12.83	1.40
YES		NO						
VOL9	0	0.12852E-03	483022.4	3733797.7	435.0	5.00	12.83	1.40
YES		NO						
VOL10	0	0.12852E-03	483075.5	3733902.4	435.0	5.00	12.83	1.40
YES		NO						
VOL11	0	0.12852E-03	483075.5	3733846.2	435.0	5.00	12.83	1.40
YES		NO						
VOL12	0	0.12852E-03	483075.9	3733796.7	435.0	5.00	12.83	1.40
YES		NO						
VOL13	0	0.12852E-03	483133.1	3733902.9	436.0	5.00	12.83	1.40
YES		NO						
VOL14	0	0.12852E-03	483133.0	3733846.7	436.0	5.00	12.83	1.40
YES		NO						
VOL15	0	0.12852E-03	483133.5	3733797.2	435.4	5.00	12.83	1.40
YES		NO						
VOL16	0	0.12852E-03	483187.1	3733902.4	436.0	5.00	12.83	1.40
YES		NO						
VOL17	0	0.12852E-03	483187.1	3733846.2	436.0	5.00	12.83	1.40
YES		NO						
VOL18	0	0.12852E-03	483187.5	3733796.7	436.0	5.00	12.83	1.40
YES		NO						
VOL19	0	0.12852E-03	483242.7	3733902.4	436.0	5.00	12.83	1.40
YES		NO						
VOL20	0	0.12852E-03	483242.6	3733846.2	436.0	5.00	12.83	1.40
YES		NO						
VOL21	0	0.12852E-03	483243.0	3733796.7	436.0	5.00	12.83	1.40
YES		NO						
VOL22	0	0.12852E-03	483025.6	3733740.9	435.0	5.00	12.83	1.40
YES		NO						
VOL23	0	0.12852E-03	483080.2	3733740.9	435.0	5.00	12.83	1.40
YES		NO						
VOL24	0	0.12852E-03	483133.7	3733741.4	435.1	5.00	12.83	1.40
YES		NO						
VOL25	0	0.12852E-03	483190.3	3733739.9	436.0	5.00	12.83	1.40
YES		NO						
VOL26	0	0.12852E-03	483240.7	3733740.4	436.0	5.00	12.83	1.40
YES		NO						
VOL27	0	0.12852E-03	483024.1	3733728.8	435.0	5.00	12.83	1.40
YES		NO						
VOL28	0	0.12852E-03	483081.2	3733727.8	435.0	5.00	12.83	1.40
YES		NO						
VOL29	0	0.12852E-03	483136.2	3733726.7	435.2	5.00	12.83	1.40
YES		NO						
VOL30	0	0.12852E-03	483190.8	3733724.7	436.0	5.00	12.83	1.40
YES		NO						
VOL31	0	0.12852E-03	483238.7	3733723.2	436.0	5.00	12.83	1.40
YES		NO						

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

12:47:11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,										

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*** AERMOD - VERSION 23132 *** *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

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*** AERMET - VERSION 16216 ***
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*** 12:47:11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID

URBAN POP

SOURCE IDs

	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
VOL8	, VOL6	, VOL7	,									
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,										

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*** AERMOD - VERSION 23132 *** *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
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*** AERMET - VERSION 16216 ***
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*** 12:47:11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 483120.1, 3733660.2, 435.0, 435.0, 2.0); ( 483289.4, 3733778.1,
436.0, 436.0, 2.0);
( 483289.7, 3733875.8, 436.0, 436.0, 2.0); ( 483232.9, 3733971.1,
436.0, 436.0, 2.0);
( 483196.4, 3733935.4, 436.0, 436.0, 2.0); ( 482905.1, 3733998.1,
435.0, 435.0, 2.0);

```


10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
275.	9.1	285.9	5.5												
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40
181.	9.1	285.4	5.5												
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30
318.	9.1	284.9	5.5												
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
196.	9.1	283.1	5.5												
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
330.	9.1	281.4	5.5												
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
332.	9.1	280.9	5.5												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc *** 04/03/24 *** AERMET - VERSION 16216 *** *** 12:47:11

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1, VOL2, VOL3, VOL4, VOL5, VOL6, VOL7, VOL8, VOL9, VOL10, VOL11, VOL12, VOL13, VOL14, VOL15, VOL16, VOL17, VOL18, VOL19, VOL20, VOL21, VOL22, VOL23, VOL24, VOL25, VOL26, VOL27, VOL28, . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
483120.12	3733660.19	0.25218	(15011124)	483289.42	
3733778.15	0.27298c	(14121524)			
483289.67	3733875.83	0.23613c	(14121524)	483232.88	
3733971.13	0.17414	(11111924)			
483196.37	3733935.41	0.33287c	(14121524)	482905.11	
3733998.15	0.12466	(11121924)			
482945.39	3733647.28	0.13118c	(15121824)	482845.73	
3733633.26	0.07643c	(15121824)			
484104.90	3733910.11	0.01072c	(15122024)	484128.78	
3733930.14	0.01033c	(15122024)			
484108.75	3733983.28	0.01037c	(15122024)	482693.57	
3734103.53	0.03450c	(14121524)			
483303.87	3733791.80	0.21946c	(14121524)	483300.45	
3733832.03	0.22340c	(14121524)			
483301.59	3733877.75	0.19707c	(14121524)	483303.42	
3733903.58	0.17370c	(14121524)			
483304.56	3733955.92	0.12658	(15122224)	483338.39	
3733979.69	0.08832	(15122224)			

483293.17	3733760.02	0.25506c	(14121524)	483292.01
3733686.85	0.18386	(16011824)		
483334.00	3734120.59	0.04817	(14121724)	483312.78
3734143.67	0.04621	(14121724)		
483031.00	3734054.50	0.10503	(11121924)	483376.10
3734009.36	0.06413	(15122224)		
483301.59	3733714.82	0.19641c	(14121524)	483364.53
3733652.69	0.08480b	(14111524)		
482964.67	3734017.41	0.12725	(11121924)	482964.39
3734035.32	0.11122	(11121924)		
483036.02	3734094.07	0.08366b	(10121924)	482918.10
3734083.37	0.07457	(11121924)		
483381.46	3734038.47	0.05659	(15122224)	483420.31
3734067.44	0.04441	(15122224)		
483410.44	3734096.75	0.04222		
(15122224)				

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 12:47:11

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN
MICROGRAMS/M**3 **

DATE

GROUP ID	AVERAGE CONC	(YYMMDDHH)	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 0.33287c ON 14121524: AT (483196.37, 3733935.41,
436.00, 436.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 208 Informational Message(s)

A Total of 43824 Hours Were Processed
A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186	125	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	125	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 Ops PM25\15109 Ops
PM25.ADI
**

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*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

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CO STARTING
TITLEONE C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "15109 Ops PM25.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	482912.856	3733903.134	435.000
LOCATION VOL2	VOLUME	482912.780	3733847.000	435.000
LOCATION VOL3	VOLUME	482913.210	3733797.473	435.000
LOCATION VOL4	VOLUME	482964.959	3733903.884	435.000
LOCATION VOL5	VOLUME	482964.883	3733847.749	435.000
LOCATION VOL6	VOLUME	482965.313	3733798.222	435.000
LOCATION VOL7	VOLUME	483022.016	3733903.379	435.000
LOCATION VOL8	VOLUME	483021.941	3733847.245	435.000
LOCATION VOL9	VOLUME	483022.371	3733797.717	435.000
LOCATION VOL10	VOLUME	483075.539	3733902.369	435.000
LOCATION VOL11	VOLUME	483075.464	3733846.235	435.000
LOCATION VOL12	VOLUME	483075.894	3733796.707	435.000
LOCATION VOL13	VOLUME	483133.102	3733902.874	436.000
LOCATION VOL14	VOLUME	483133.026	3733846.740	436.000
LOCATION VOL15	VOLUME	483133.456	3733797.212	435.440
LOCATION VOL16	VOLUME	483187.130	3733902.369	436.000
LOCATION VOL17	VOLUME	483187.054	3733846.235	436.000
LOCATION VOL18	VOLUME	483187.484	3733796.707	436.000
LOCATION VOL19	VOLUME	483242.672	3733902.369	436.000
LOCATION VOL20	VOLUME	483242.597	3733846.235	436.000
LOCATION VOL21	VOLUME	483243.027	3733796.707	436.000
LOCATION VOL22	VOLUME	483025.644	3733740.886	435.000
LOCATION VOL23	VOLUME	483080.177	3733740.886	435.000
LOCATION VOL24	VOLUME	483133.700	3733741.391	435.120
LOCATION VOL25	VOLUME	483190.252	3733739.876	436.000
LOCATION VOL26	VOLUME	483240.746	3733740.381	436.000
LOCATION VOL27	VOLUME	483024.129	3733728.768	435.000
LOCATION VOL28	VOLUME	483081.187	3733727.758	435.000

LOCATION VOL29	VOLUME	483136.224	3733726.748	435.210
LOCATION VOL30	VOLUME	483190.757	3733724.728	436.000
LOCATION VOL31	VOLUME	483238.726	3733723.214	436.000

** Source Parameters **

SRCPARAM VOL1	0.000057959	5.000	12.828	1.400
SRCPARAM VOL2	0.000057959	5.000	12.828	1.400
SRCPARAM VOL3	0.000057959	5.000	12.828	1.400
SRCPARAM VOL4	0.000057959	5.000	12.828	1.400
SRCPARAM VOL5	0.000057959	5.000	12.828	1.400
SRCPARAM VOL6	0.000057959	5.000	12.828	1.400
SRCPARAM VOL7	0.000057959	5.000	12.828	1.400
SRCPARAM VOL8	0.000057959	5.000	12.828	1.400
SRCPARAM VOL9	0.000057959	5.000	12.828	1.400
SRCPARAM VOL10	0.000057959	5.000	12.828	1.400
SRCPARAM VOL11	0.000057959	5.000	12.828	1.400
SRCPARAM VOL12	0.000057959	5.000	12.828	1.400
SRCPARAM VOL13	0.000057959	5.000	12.828	1.400
SRCPARAM VOL14	0.000057959	5.000	12.828	1.400
SRCPARAM VOL15	0.000057959	5.000	12.828	1.400
SRCPARAM VOL16	0.000057959	5.000	12.828	1.400
SRCPARAM VOL17	0.000057959	5.000	12.828	1.400
SRCPARAM VOL18	0.000057959	5.000	12.828	1.400
SRCPARAM VOL19	0.000057959	5.000	12.828	1.400
SRCPARAM VOL20	0.000057959	5.000	12.828	1.400
SRCPARAM VOL21	0.000057959	5.000	12.828	1.400
SRCPARAM VOL22	0.000057959	5.000	12.828	1.400
SRCPARAM VOL23	0.000057959	5.000	12.828	1.400
SRCPARAM VOL24	0.000057959	5.000	12.828	1.400
SRCPARAM VOL25	0.000057959	5.000	12.828	1.400
SRCPARAM VOL26	0.000057959	5.000	12.828	1.400
SRCPARAM VOL27	0.000057959	5.000	12.828	1.400
SRCPARAM VOL28	0.000057959	5.000	12.828	1.400
SRCPARAM VOL29	0.000057959	5.000	12.828	1.400
SRCPARAM VOL30	0.000057959	5.000	12.828	1.400
SRCPARAM VOL31	0.000057959	5.000	12.828	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING

INCLUDED "15109 Ops PM25.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**
**

ME STARTING

SURFFILE PERI_V9_ADJU\PERI_v9.SFC
PROFFILE PERI_V9_ADJU\PERI_v9.PFL
SURFDATA 3171 2010
UAIRDATA 3190 2010
SITEDATA 99999 2010
PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "15109 OPS PM25.AD\24H1GALL.PLT" 31
SUMMFILE "15109 Ops PM25.sum"
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 *****

ME W186 125 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 125 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 12:57:33

PAGE 1

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 31 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 31 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

and: 31 VOLUME source(s)

and: 0 AREA type source(s)

and: 0 LINE source(s)

and: 0 RLINE/RLINEXT source(s)

and: 0 OPENPIT source(s)

and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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) = 442.00 ; 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 = 3.5 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: 15109 Ops
PM25.err
**File for Summary of Results: 15109 Ops
PM25.sum

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	SCALAR	PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)
				X	Y				
VOL1	0		0.57959E-04	482912.9	3733903.1	435.0	5.00	12.83	1.40

YES		NO						
VOL2	0	0.57959E-04	482912.8	3733847.0	435.0	5.00	12.83	1.40
YES		NO						
VOL3	0	0.57959E-04	482913.2	3733797.5	435.0	5.00	12.83	1.40
YES		NO						
VOL4	0	0.57959E-04	482965.0	3733903.9	435.0	5.00	12.83	1.40
YES		NO						
VOL5	0	0.57959E-04	482964.9	3733847.7	435.0	5.00	12.83	1.40
YES		NO						
VOL6	0	0.57959E-04	482965.3	3733798.2	435.0	5.00	12.83	1.40
YES		NO						
VOL7	0	0.57959E-04	483022.0	3733903.4	435.0	5.00	12.83	1.40
YES		NO						
VOL8	0	0.57959E-04	483021.9	3733847.2	435.0	5.00	12.83	1.40
YES		NO						
VOL9	0	0.57959E-04	483022.4	3733797.7	435.0	5.00	12.83	1.40
YES		NO						
VOL10	0	0.57959E-04	483075.5	3733902.4	435.0	5.00	12.83	1.40
YES		NO						
VOL11	0	0.57959E-04	483075.5	3733846.2	435.0	5.00	12.83	1.40
YES		NO						
VOL12	0	0.57959E-04	483075.9	3733796.7	435.0	5.00	12.83	1.40
YES		NO						
VOL13	0	0.57959E-04	483133.1	3733902.9	436.0	5.00	12.83	1.40
YES		NO						
VOL14	0	0.57959E-04	483133.0	3733846.7	436.0	5.00	12.83	1.40
YES		NO						
VOL15	0	0.57959E-04	483133.5	3733797.2	435.4	5.00	12.83	1.40
YES		NO						
VOL16	0	0.57959E-04	483187.1	3733902.4	436.0	5.00	12.83	1.40
YES		NO						
VOL17	0	0.57959E-04	483187.1	3733846.2	436.0	5.00	12.83	1.40
YES		NO						
VOL18	0	0.57959E-04	483187.5	3733796.7	436.0	5.00	12.83	1.40
YES		NO						
VOL19	0	0.57959E-04	483242.7	3733902.4	436.0	5.00	12.83	1.40
YES		NO						
VOL20	0	0.57959E-04	483242.6	3733846.2	436.0	5.00	12.83	1.40
YES		NO						
VOL21	0	0.57959E-04	483243.0	3733796.7	436.0	5.00	12.83	1.40
YES		NO						
VOL22	0	0.57959E-04	483025.6	3733740.9	435.0	5.00	12.83	1.40
YES		NO						
VOL23	0	0.57959E-04	483080.2	3733740.9	435.0	5.00	12.83	1.40
YES		NO						
VOL24	0	0.57959E-04	483133.7	3733741.4	435.1	5.00	12.83	1.40
YES		NO						
VOL25	0	0.57959E-04	483190.3	3733739.9	436.0	5.00	12.83	1.40
YES		NO						
VOL26	0	0.57959E-04	483240.7	3733740.4	436.0	5.00	12.83	1.40
YES		NO						
VOL27	0	0.57959E-04	483024.1	3733728.8	435.0	5.00	12.83	1.40
YES		NO						
VOL28	0	0.57959E-04	483081.2	3733727.8	435.0	5.00	12.83	1.40
YES		NO						
VOL29	0	0.57959E-04	483136.2	3733726.7	435.2	5.00	12.83	1.40
YES		NO						
VOL30	0	0.57959E-04	483190.8	3733724.7	436.0	5.00	12.83	1.40
YES		NO						
VOL31	0	0.57959E-04	483238.7	3733723.2	436.0	5.00	12.83	1.40
YES		NO						

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

12:57:33

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs						
-----	-----						
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	,
VOL7	, VOL8	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	,					

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*** AERMET - VERSION 16216 ***
 *** 12:57:33

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs						
-----	-----	-----						
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,	
VOL8	, VOL6	, VOL7	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,	
	VOL15	, VOL16	,					
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,	
	VOL23	, VOL24	,					
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,	
	VOL31	,						

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(483120.1, 3733660.2, 435.0, 435.0, 2.0); (483289.4, 3733778.1,
 436.0, 436.0, 2.0);
 (483289.7, 3733875.8, 436.0, 436.0, 2.0); (483232.9, 3733971.1,
 436.0, 436.0, 2.0);
 (483196.4, 3733935.4, 436.0, 436.0, 2.0); (482905.1, 3733998.1,
 435.0, 435.0, 2.0);

10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
275.	9.1	285.9	5.5												
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40
181.	9.1	285.4	5.5												
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30
318.	9.1	284.9	5.5												
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
196.	9.1	283.1	5.5												
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
330.	9.1	281.4	5.5												
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
332.	9.1	280.9	5.5												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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 *** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
483120.12	3733660.19	0.11373	(15011124)	483289.42	
3733778.15	0.12311c	(14121524)			
483289.67	3733875.83	0.10649c	(14121524)	483232.88	
3733971.13	0.07853	(11111924)			
483196.37	3733935.41	0.15012c	(14121524)	482905.11	
3733998.15	0.05622	(11121924)			
482945.39	3733647.28	0.05916c	(15121824)	482845.73	
3733633.26	0.03447c	(15121824)			
484104.90	3733910.11	0.00483c	(15122024)	484128.78	
3733930.14	0.00466c	(15122024)			
484108.75	3733983.28	0.00468c	(15122024)	482693.57	
3734103.53	0.01556c	(14121524)			
483303.87	3733791.80	0.09897c	(14121524)	483300.45	
3733832.03	0.10075c	(14121524)			
483301.59	3733877.75	0.08887c	(14121524)	483303.42	
3733903.58	0.07834c	(14121524)			
483304.56	3733955.92	0.05708	(15122224)	483338.39	
3733979.69	0.03983	(15122224)			

483293.17	3733760.02	0.11503c	(14121524)	483292.01
3733686.85	0.08292	(16011824)		
483334.00	3734120.59	0.02172	(14121724)	483312.78
3734143.67	0.02084	(14121724)		
483031.00	3734054.50	0.04737	(11121924)	483376.10
3734009.36	0.02892	(15122224)		
483301.59	3733714.82	0.08858c	(14121524)	483364.53
3733652.69	0.03824b	(14111524)		
482964.67	3734017.41	0.05739	(11121924)	482964.39
3734035.32	0.05016	(11121924)		
483036.02	3734094.07	0.03773b	(10121924)	482918.10
3734083.37	0.03363	(11121924)		
483381.46	3734038.47	0.02552	(15122224)	483420.31
3734067.44	0.02003	(15122224)		
483410.44	3734096.75	0.01904		
(15122224)				

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_2.5 IN
MICROGRAMS/M**3 **

DATE

GROUP ID	AVERAGE CONC	(YYMMDDHH)	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 0.15012c ON 14121524: AT (483196.37, 3733935.41,
436.00, 436.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 208 Informational Message(s)
A Total of 43824 Hours Were Processed
A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186	125	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	125	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

*** AERMOD Finishes Successfully ***

Attachment G.2

AERMOD HRA Modeling Outputs

ATTACHMENT G.2 – AERMOD HRA MODELING OUTPUTS

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 CONS HRA\15109 CONS
HRA.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
  TITLEONE C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS HRA.isc
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 2189641
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "15109 CONS HRA.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **				
LOCATION VOL1	VOLUME	482912.856	3733903.134	435.000
LOCATION VOL2	VOLUME	482912.780	3733847.000	435.000
LOCATION VOL3	VOLUME	482913.210	3733797.473	435.000
LOCATION VOL4	VOLUME	482964.959	3733903.884	435.000
LOCATION VOL5	VOLUME	482964.883	3733847.749	435.000
LOCATION VOL6	VOLUME	482965.313	3733798.222	435.000
LOCATION VOL7	VOLUME	483022.016	3733903.379	435.000
LOCATION VOL8	VOLUME	483021.941	3733847.245	435.000
LOCATION VOL9	VOLUME	483022.371	3733797.717	435.000
LOCATION VOL10	VOLUME	483075.539	3733902.369	435.000
LOCATION VOL11	VOLUME	483075.464	3733846.235	435.000
LOCATION VOL12	VOLUME	483075.894	3733796.707	435.000
LOCATION VOL13	VOLUME	483133.102	3733902.874	436.000
LOCATION VOL14	VOLUME	483133.026	3733846.740	436.000
LOCATION VOL15	VOLUME	483133.456	3733797.212	435.440
LOCATION VOL16	VOLUME	483187.130	3733902.369	436.000
LOCATION VOL17	VOLUME	483187.054	3733846.235	436.000
LOCATION VOL18	VOLUME	483187.484	3733796.707	436.000
LOCATION VOL19	VOLUME	483242.672	3733902.369	436.000
LOCATION VOL20	VOLUME	483242.597	3733846.235	436.000
LOCATION VOL21	VOLUME	483243.027	3733796.707	436.000
LOCATION VOL22	VOLUME	483025.644	3733740.886	435.000
LOCATION VOL23	VOLUME	483080.177	3733740.886	435.000
LOCATION VOL24	VOLUME	483133.700	3733741.391	435.120
LOCATION VOL25	VOLUME	483190.252	3733739.876	436.000
LOCATION VOL26	VOLUME	483240.746	3733740.381	436.000
LOCATION VOL27	VOLUME	483024.129	3733728.768	435.000
LOCATION VOL28	VOLUME	483081.187	3733727.758	435.000
LOCATION VOL29	VOLUME	483136.224	3733726.748	435.210

LOCATION VOL30	VOLUME	483190.757	3733724.728	436.000
LOCATION VOL31	VOLUME	483238.726	3733723.214	436.000

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC Off-Site Travel

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.0009386842

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 482877.516, 3733919.508, 435.00, 3.49, 4.00

** 482878.704, 3733672.375, 435.00, 3.49, 4.00

** 482120.075, 3733681.286, 433.00, 3.49, 4.00

**

LOCATION L0000001	VOLUME	482877.537	3733915.213	435.00
LOCATION L0000002	VOLUME	482877.578	3733906.623	435.00
LOCATION L0000003	VOLUME	482877.619	3733898.034	435.00
LOCATION L0000004	VOLUME	482877.660	3733889.444	435.00
LOCATION L0000005	VOLUME	482877.702	3733880.854	435.00
LOCATION L0000006	VOLUME	482877.743	3733872.264	435.00
LOCATION L0000007	VOLUME	482877.784	3733863.674	435.00
LOCATION L0000008	VOLUME	482877.826	3733855.084	435.00
LOCATION L0000009	VOLUME	482877.867	3733846.494	435.00
LOCATION L0000010	VOLUME	482877.908	3733837.904	435.00
LOCATION L0000011	VOLUME	482877.949	3733829.314	435.00
LOCATION L0000012	VOLUME	482877.991	3733820.724	435.00
LOCATION L0000013	VOLUME	482878.032	3733812.135	435.00
LOCATION L0000014	VOLUME	482878.073	3733803.545	435.00
LOCATION L0000015	VOLUME	482878.115	3733794.955	435.00
LOCATION L0000016	VOLUME	482878.156	3733786.365	435.00
LOCATION L0000017	VOLUME	482878.197	3733777.775	435.00
LOCATION L0000018	VOLUME	482878.239	3733769.185	435.00
LOCATION L0000019	VOLUME	482878.280	3733760.595	435.00
LOCATION L0000020	VOLUME	482878.321	3733752.005	435.00
LOCATION L0000021	VOLUME	482878.362	3733743.415	435.00
LOCATION L0000022	VOLUME	482878.404	3733734.825	435.00
LOCATION L0000023	VOLUME	482878.445	3733726.236	435.00
LOCATION L0000024	VOLUME	482878.486	3733717.646	435.00
LOCATION L0000025	VOLUME	482878.528	3733709.056	435.00
LOCATION L0000026	VOLUME	482878.569	3733700.466	435.00
LOCATION L0000027	VOLUME	482878.610	3733691.876	435.00
LOCATION L0000028	VOLUME	482878.652	3733683.286	435.00
LOCATION L0000029	VOLUME	482878.693	3733674.696	435.00
LOCATION L0000030	VOLUME	482872.436	3733672.448	435.00
LOCATION L0000031	VOLUME	482863.847	3733672.549	435.00
LOCATION L0000032	VOLUME	482855.257	3733672.650	435.00
LOCATION L0000033	VOLUME	482846.668	3733672.751	435.00
LOCATION L0000034	VOLUME	482838.078	3733672.852	435.00
LOCATION L0000035	VOLUME	482829.489	3733672.953	435.00
LOCATION L0000036	VOLUME	482820.900	3733673.054	435.00
LOCATION L0000037	VOLUME	482812.310	3733673.154	435.00
LOCATION L0000038	VOLUME	482803.721	3733673.255	435.00
LOCATION L0000039	VOLUME	482795.131	3733673.356	434.88
LOCATION L0000040	VOLUME	482786.542	3733673.457	434.66
LOCATION L0000041	VOLUME	482777.953	3733673.558	434.45
LOCATION L0000042	VOLUME	482769.363	3733673.659	434.25
LOCATION L0000043	VOLUME	482760.774	3733673.760	434.18
LOCATION L0000044	VOLUME	482752.184	3733673.861	434.11
LOCATION L0000045	VOLUME	482743.595	3733673.962	434.03
LOCATION L0000046	VOLUME	482735.006	3733674.063	434.00
LOCATION L0000047	VOLUME	482726.416	3733674.163	434.00
LOCATION L0000048	VOLUME	482717.827	3733674.264	434.00
LOCATION L0000049	VOLUME	482709.237	3733674.365	434.00

LOCATION	L0000050	VOLUME	482700.648	3733674.466	434.00
LOCATION	L0000051	VOLUME	482692.058	3733674.567	434.00
LOCATION	L0000052	VOLUME	482683.469	3733674.668	434.00
LOCATION	L0000053	VOLUME	482674.880	3733674.769	434.00
LOCATION	L0000054	VOLUME	482666.290	3733674.870	434.00
LOCATION	L0000055	VOLUME	482657.701	3733674.971	434.00
LOCATION	L0000056	VOLUME	482649.111	3733675.071	434.00
LOCATION	L0000057	VOLUME	482640.522	3733675.172	434.00
LOCATION	L0000058	VOLUME	482631.933	3733675.273	434.00
LOCATION	L0000059	VOLUME	482623.343	3733675.374	434.00
LOCATION	L0000060	VOLUME	482614.754	3733675.475	434.00
LOCATION	L0000061	VOLUME	482606.164	3733675.576	434.00
LOCATION	L0000062	VOLUME	482597.575	3733675.677	434.00
LOCATION	L0000063	VOLUME	482588.986	3733675.778	434.00
LOCATION	L0000064	VOLUME	482580.396	3733675.879	434.00
LOCATION	L0000065	VOLUME	482571.807	3733675.979	434.00
LOCATION	L0000066	VOLUME	482563.217	3733676.080	434.00
LOCATION	L0000067	VOLUME	482554.628	3733676.181	434.00
LOCATION	L0000068	VOLUME	482546.039	3733676.282	434.00
LOCATION	L0000069	VOLUME	482537.449	3733676.383	434.00
LOCATION	L0000070	VOLUME	482528.860	3733676.484	434.00
LOCATION	L0000071	VOLUME	482520.270	3733676.585	434.00
LOCATION	L0000072	VOLUME	482511.681	3733676.686	434.00
LOCATION	L0000073	VOLUME	482503.092	3733676.787	434.00
LOCATION	L0000074	VOLUME	482494.502	3733676.888	434.00
LOCATION	L0000075	VOLUME	482485.913	3733676.988	434.00
LOCATION	L0000076	VOLUME	482477.323	3733677.089	434.00
LOCATION	L0000077	VOLUME	482468.734	3733677.190	434.00
LOCATION	L0000078	VOLUME	482460.144	3733677.291	434.00
LOCATION	L0000079	VOLUME	482451.555	3733677.392	434.00
LOCATION	L0000080	VOLUME	482442.966	3733677.493	434.00
LOCATION	L0000081	VOLUME	482434.376	3733677.594	434.00
LOCATION	L0000082	VOLUME	482425.787	3733677.695	434.00
LOCATION	L0000083	VOLUME	482417.197	3733677.796	434.00
LOCATION	L0000084	VOLUME	482408.608	3733677.896	434.00
LOCATION	L0000085	VOLUME	482400.019	3733677.997	434.00
LOCATION	L0000086	VOLUME	482391.429	3733678.098	434.00
LOCATION	L0000087	VOLUME	482382.840	3733678.199	434.00
LOCATION	L0000088	VOLUME	482374.250	3733678.300	433.92
LOCATION	L0000089	VOLUME	482365.661	3733678.401	433.80
LOCATION	L0000090	VOLUME	482357.072	3733678.502	433.68
LOCATION	L0000091	VOLUME	482348.482	3733678.603	433.55
LOCATION	L0000092	VOLUME	482339.893	3733678.704	433.38
LOCATION	L0000093	VOLUME	482331.303	3733678.805	433.22
LOCATION	L0000094	VOLUME	482322.714	3733678.905	433.05
LOCATION	L0000095	VOLUME	482314.125	3733679.006	433.00
LOCATION	L0000096	VOLUME	482305.535	3733679.107	433.00
LOCATION	L0000097	VOLUME	482296.946	3733679.208	433.00
LOCATION	L0000098	VOLUME	482288.356	3733679.309	433.00
LOCATION	L0000099	VOLUME	482279.767	3733679.410	433.00
LOCATION	L0000100	VOLUME	482271.178	3733679.511	433.00
LOCATION	L0000101	VOLUME	482262.588	3733679.612	433.00
LOCATION	L0000102	VOLUME	482253.999	3733679.713	433.00
LOCATION	L0000103	VOLUME	482245.409	3733679.813	433.00
LOCATION	L0000104	VOLUME	482236.820	3733679.914	433.00
LOCATION	L0000105	VOLUME	482228.230	3733680.015	433.00
LOCATION	L0000106	VOLUME	482219.641	3733680.116	433.00
LOCATION	L0000107	VOLUME	482211.052	3733680.217	433.00
LOCATION	L0000108	VOLUME	482202.462	3733680.318	433.00
LOCATION	L0000109	VOLUME	482193.873	3733680.419	433.00
LOCATION	L0000110	VOLUME	482185.283	3733680.520	433.00
LOCATION	L0000111	VOLUME	482176.694	3733680.621	433.00
LOCATION	L0000112	VOLUME	482168.105	3733680.721	433.00
LOCATION	L0000113	VOLUME	482159.515	3733680.822	433.00
LOCATION	L0000114	VOLUME	482150.926	3733680.923	433.00
LOCATION	L0000115	VOLUME	482142.336	3733681.024	433.00

LOCATION L0000116 VOLUME 482133.747 3733681.125 433.00
LOCATION L0000117 VOLUME 482125.158 3733681.226 433.00

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

SRCPARAM VOL1	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL2	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL3	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL4	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL5	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL6	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL7	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL8	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL9	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL10	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL11	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL12	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL13	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL14	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL15	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL16	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL17	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL18	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL19	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL20	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL21	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL22	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL23	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL24	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL25	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL26	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL27	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL28	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL29	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL30	0.0001511975	5.000	12.828	1.400
SRCPARAM VOL31	0.0001511975	5.000	12.828	1.400

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	0.000008023	3.49	4.00	3.25
SRCPARAM L0000002	0.000008023	3.49	4.00	3.25
SRCPARAM L0000003	0.000008023	3.49	4.00	3.25
SRCPARAM L0000004	0.000008023	3.49	4.00	3.25
SRCPARAM L0000005	0.000008023	3.49	4.00	3.25
SRCPARAM L0000006	0.000008023	3.49	4.00	3.25
SRCPARAM L0000007	0.000008023	3.49	4.00	3.25
SRCPARAM L0000008	0.000008023	3.49	4.00	3.25
SRCPARAM L0000009	0.000008023	3.49	4.00	3.25
SRCPARAM L0000010	0.000008023	3.49	4.00	3.25
SRCPARAM L0000011	0.000008023	3.49	4.00	3.25
SRCPARAM L0000012	0.000008023	3.49	4.00	3.25
SRCPARAM L0000013	0.000008023	3.49	4.00	3.25
SRCPARAM L0000014	0.000008023	3.49	4.00	3.25
SRCPARAM L0000015	0.000008023	3.49	4.00	3.25
SRCPARAM L0000016	0.000008023	3.49	4.00	3.25
SRCPARAM L0000017	0.000008023	3.49	4.00	3.25
SRCPARAM L0000018	0.000008023	3.49	4.00	3.25
SRCPARAM L0000019	0.000008023	3.49	4.00	3.25
SRCPARAM L0000020	0.000008023	3.49	4.00	3.25
SRCPARAM L0000021	0.000008023	3.49	4.00	3.25
SRCPARAM L0000022	0.000008023	3.49	4.00	3.25
SRCPARAM L0000023	0.000008023	3.49	4.00	3.25
SRCPARAM L0000024	0.000008023	3.49	4.00	3.25
SRCPARAM L0000025	0.000008023	3.49	4.00	3.25
SRCPARAM L0000026	0.000008023	3.49	4.00	3.25
SRCPARAM L0000027	0.000008023	3.49	4.00	3.25
SRCPARAM L0000028	0.000008023	3.49	4.00	3.25
SRCPARAM L0000029	0.000008023	3.49	4.00	3.25
SRCPARAM L0000030	0.000008023	3.49	4.00	3.25

**
ME STARTING
SURFFILE PERI_V9_ADJU\PERI_v9.SFC
PROFFILE PERI_V9_ADJU\PERI_v9.PFL
SURFDATA 3171 2010
UAIRDATA 3190 2010
SITEDATA 99999 2010
PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING
** Auto-Generated Plotfiles
PLOTFILE PERIOD ALL "15109 CONS HRA.AD\PE00GALL.PLT" 31
SUMMFILE "15109 CONS HRA.sum"
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 *****
ME W186 2251 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 2251 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** ** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:34:45

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- ** Model Options Selected:
- * Model Uses Regulatory DEFAULT Options
 - * Model Is Setup For Calculation of Average CONCentration Values.
 - * NO GAS DEPOSITION Data Provided.
 - * NO PARTICLE DEPOSITION Data Provided.
 - * Model Uses NO DRY DEPLETION. DDPLETE = F
 - * Model Uses NO WET DEPLETION. WETDPLT = F
 - * Stack-tip Downwash.
 - * Model Accounts for ELEVated Terrain Effects.
 - * Use Calms Processing Routine.
 - * Use Missing Data Processing Routine.

* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 148 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 148 Source(s); 1 Source Group(s); and 33 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 148 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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) = 442.00 ; 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 = 3.6 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 15109 CONS

HRA.err

**File for Summary of Results: 15109 CONS

HRA.sum

*** AERMOD - VERSION 22112 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS

HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE		NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	EMISSION RATE	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
SOURCE ID (METERS)	SCALAR VARY CATS.		BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
VOL1		0	0.15120E-03	482912.9	3733903.1	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL2		0	0.15120E-03	482912.8	3733847.0	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL3		0	0.15120E-03	482913.2	3733797.5	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL4		0	0.15120E-03	482965.0	3733903.9	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL5		0	0.15120E-03	482964.9	3733847.7	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL6		0	0.15120E-03	482965.3	3733798.2	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL7		0	0.15120E-03	483022.0	3733903.4	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL8		0	0.15120E-03	483021.9	3733847.2	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL9		0	0.15120E-03	483022.4	3733797.7	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL10		0	0.15120E-03	483075.5	3733902.4	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL11		0	0.15120E-03	483075.5	3733846.2	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL12		0	0.15120E-03	483075.9	3733796.7	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL13		0	0.15120E-03	483133.1	3733902.9	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL14		0	0.15120E-03	483133.0	3733846.7	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL15		0	0.15120E-03	483133.5	3733797.2	435.4	5.00	12.83	1.40	
YES	HRDOW									
VOL16		0	0.15120E-03	483187.1	3733902.4	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL17		0	0.15120E-03	483187.1	3733846.2	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL18		0	0.15120E-03	483187.5	3733796.7	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL19		0	0.15120E-03	483242.7	3733902.4	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL20		0	0.15120E-03	483242.6	3733846.2	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL21		0	0.15120E-03	483243.0	3733796.7	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL22		0	0.15120E-03	483025.6	3733740.9	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL23		0	0.15120E-03	483080.2	3733740.9	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL24		0	0.15120E-03	483133.7	3733741.4	435.1	5.00	12.83	1.40	
YES	HRDOW									
VOL25		0	0.15120E-03	483190.3	3733739.9	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL26		0	0.15120E-03	483240.7	3733740.4	436.0	5.00	12.83	1.40	
YES	HRDOW									
VOL27		0	0.15120E-03	483024.1	3733728.8	435.0	5.00	12.83	1.40	
YES	HRDOW									
VOL28		0	0.15120E-03	483081.2	3733727.8	435.0	5.00	12.83	1.40	

YES	HRDOW								
L0000021		0	0.80230E-05	482878.4	3733743.4	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000022		0	0.80230E-05	482878.4	3733734.8	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000023		0	0.80230E-05	482878.4	3733726.2	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000024		0	0.80230E-05	482878.5	3733717.6	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000025		0	0.80230E-05	482878.5	3733709.1	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000026		0	0.80230E-05	482878.6	3733700.5	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000027		0	0.80230E-05	482878.6	3733691.9	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000028		0	0.80230E-05	482878.7	3733683.3	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000029		0	0.80230E-05	482878.7	3733674.7	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000030		0	0.80230E-05	482872.4	3733672.4	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000031		0	0.80230E-05	482863.8	3733672.5	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000032		0	0.80230E-05	482855.3	3733672.6	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000033		0	0.80230E-05	482846.7	3733672.8	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000034		0	0.80230E-05	482838.1	3733672.9	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000035		0	0.80230E-05	482829.5	3733673.0	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000036		0	0.80230E-05	482820.9	3733673.1	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000037		0	0.80230E-05	482812.3	3733673.2	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000038		0	0.80230E-05	482803.7	3733673.3	435.0	3.49	4.00	3.25
YES	HRDOW								
L0000039		0	0.80230E-05	482795.1	3733673.4	434.9	3.49	4.00	3.25
YES	HRDOW								
L0000040		0	0.80230E-05	482786.5	3733673.5	434.7	3.49	4.00	3.25
YES	HRDOW								
L0000041		0	0.80230E-05	482778.0	3733673.6	434.4	3.49	4.00	3.25
YES	HRDOW								
L0000042		0	0.80230E-05	482769.4	3733673.7	434.2	3.49	4.00	3.25
YES	HRDOW								
L0000043		0	0.80230E-05	482760.8	3733673.8	434.2	3.49	4.00	3.25
YES	HRDOW								
L0000044		0	0.80230E-05	482752.2	3733673.9	434.1	3.49	4.00	3.25
YES	HRDOW								
L0000045		0	0.80230E-05	482743.6	3733674.0	434.0	3.49	4.00	3.25
YES	HRDOW								
L0000046		0	0.80230E-05	482735.0	3733674.1	434.0	3.49	4.00	3.25
YES	HRDOW								
L0000047		0	0.80230E-05	482726.4	3733674.2	434.0	3.49	4.00	3.25
YES	HRDOW								
L0000048		0	0.80230E-05	482717.8	3733674.3	434.0	3.49	4.00	3.25
YES	HRDOW								
L0000049		0	0.80230E-05	482709.2	3733674.4	434.0	3.49	4.00	3.25
YES	HRDOW								

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*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE	X	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR	VARY	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.							
L0000050	0	0.80230E-05	482700.6	3733674.5	434.0	3.49	4.00	3.25
YES HRDOW								
L0000051	0	0.80230E-05	482692.1	3733674.6	434.0	3.49	4.00	3.25
YES HRDOW								
L0000052	0	0.80230E-05	482683.5	3733674.7	434.0	3.49	4.00	3.25
YES HRDOW								
L0000053	0	0.80230E-05	482674.9	3733674.8	434.0	3.49	4.00	3.25
YES HRDOW								
L0000054	0	0.80230E-05	482666.3	3733674.9	434.0	3.49	4.00	3.25
YES HRDOW								
L0000055	0	0.80230E-05	482657.7	3733675.0	434.0	3.49	4.00	3.25
YES HRDOW								
L0000056	0	0.80230E-05	482649.1	3733675.1	434.0	3.49	4.00	3.25
YES HRDOW								
L0000057	0	0.80230E-05	482640.5	3733675.2	434.0	3.49	4.00	3.25
YES HRDOW								
L0000058	0	0.80230E-05	482631.9	3733675.3	434.0	3.49	4.00	3.25
YES HRDOW								
L0000059	0	0.80230E-05	482623.3	3733675.4	434.0	3.49	4.00	3.25
YES HRDOW								
L0000060	0	0.80230E-05	482614.8	3733675.5	434.0	3.49	4.00	3.25
YES HRDOW								
L0000061	0	0.80230E-05	482606.2	3733675.6	434.0	3.49	4.00	3.25
YES HRDOW								
L0000062	0	0.80230E-05	482597.6	3733675.7	434.0	3.49	4.00	3.25
YES HRDOW								
L0000063	0	0.80230E-05	482589.0	3733675.8	434.0	3.49	4.00	3.25
YES HRDOW								
L0000064	0	0.80230E-05	482580.4	3733675.9	434.0	3.49	4.00	3.25
YES HRDOW								
L0000065	0	0.80230E-05	482571.8	3733676.0	434.0	3.49	4.00	3.25
YES HRDOW								
L0000066	0	0.80230E-05	482563.2	3733676.1	434.0	3.49	4.00	3.25
YES HRDOW								
L0000067	0	0.80230E-05	482554.6	3733676.2	434.0	3.49	4.00	3.25
YES HRDOW								
L0000068	0	0.80230E-05	482546.0	3733676.3	434.0	3.49	4.00	3.25
YES HRDOW								
L0000069	0	0.80230E-05	482537.4	3733676.4	434.0	3.49	4.00	3.25
YES HRDOW								
L0000070	0	0.80230E-05	482528.9	3733676.5	434.0	3.49	4.00	3.25
YES HRDOW								
L0000071	0	0.80230E-05	482520.3	3733676.6	434.0	3.49	4.00	3.25
YES HRDOW								
L0000072	0	0.80230E-05	482511.7	3733676.7	434.0	3.49	4.00	3.25
YES HRDOW								
L0000073	0	0.80230E-05	482503.1	3733676.8	434.0	3.49	4.00	3.25
YES HRDOW								
L0000074	0	0.80230E-05	482494.5	3733676.9	434.0	3.49	4.00	3.25
YES HRDOW								
L0000075	0	0.80230E-05	482485.9	3733677.0	434.0	3.49	4.00	3.25
YES HRDOW								
L0000076	0	0.80230E-05	482477.3	3733677.1	434.0	3.49	4.00	3.25

YES	HRDOW								
L0000100		0	0.80230E-05	482271.2	3733679.5	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000101		0	0.80230E-05	482262.6	3733679.6	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000102		0	0.80230E-05	482254.0	3733679.7	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000103		0	0.80230E-05	482245.4	3733679.8	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000104		0	0.80230E-05	482236.8	3733679.9	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000105		0	0.80230E-05	482228.2	3733680.0	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000106		0	0.80230E-05	482219.6	3733680.1	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000107		0	0.80230E-05	482211.1	3733680.2	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000108		0	0.80230E-05	482202.5	3733680.3	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000109		0	0.80230E-05	482193.9	3733680.4	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000110		0	0.80230E-05	482185.3	3733680.5	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000111		0	0.80230E-05	482176.7	3733680.6	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000112		0	0.80230E-05	482168.1	3733680.7	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000113		0	0.80230E-05	482159.5	3733680.8	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000114		0	0.80230E-05	482150.9	3733680.9	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000115		0	0.80230E-05	482142.3	3733681.0	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000116		0	0.80230E-05	482133.7	3733681.1	433.0	3.49	4.00	3.25
YES	HRDOW								
L0000117		0	0.80230E-05	482125.2	3733681.2	433.0	3.49	4.00	3.25
YES	HRDOW								

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	L0000001	,								
	L0000002	,	L0000003	,	L0000004	,	L0000005	,	L0000006	,	L0000007	,
	L0000008	,	L0000009	,								

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L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 ,
L0000016 , L0000017 ,

L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 ,
L0000024 , L0000025 ,

L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 ,
L0000032 , L0000033 ,

L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 ,
L0000040 , L0000041 ,

L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 ,
L0000048 , L0000049 ,

L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 ,
L0000056 , L0000057 ,

L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 ,
L0000064 , L0000065 ,

L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 ,
L0000072 , L0000073 ,

L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 ,
L0000080 , L0000081 ,

L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 ,
L0000088 , L0000089 ,

L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 ,
L0000096 , L0000097 ,

L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 ,

L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 ,
L0000112 , L0000113 ,

L0000114 , L0000115 , L0000116 , L0000117 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,
	VOL6	, VOL7	,				
VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				

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VOL25      , VOL26      , VOL27      , VOL28      , VOL29      , VOL30      ,
VOL31      , L0000001  ,
L0000002  , L0000003  , L0000004  , L0000005  , L0000006  , L0000007  ,
L0000008  , L0000009  ,
L0000010  , L0000011  , L0000012  , L0000013  , L0000014  , L0000015  ,
L0000016  , L0000017  ,
L0000018  , L0000019  , L0000020  , L0000021  , L0000022  , L0000023  ,
L0000024  , L0000025  ,
L0000026  , L0000027  , L0000028  , L0000029  , L0000030  , L0000031  ,
L0000032  , L0000033  ,
L0000034  , L0000035  , L0000036  , L0000037  , L0000038  , L0000039  ,
L0000040  , L0000041  ,
L0000042  , L0000043  , L0000044  , L0000045  , L0000046  , L0000047  ,
L0000048  , L0000049  ,
L0000050  , L0000051  , L0000052  , L0000053  , L0000054  , L0000055  ,
L0000056  , L0000057  ,
L0000058  , L0000059  , L0000060  , L0000061  , L0000062  , L0000063  ,
L0000064  , L0000065  ,
L0000066  , L0000067  , L0000068  , L0000069  , L0000070  , L0000071  ,
L0000072  , L0000073  ,
L0000074  , L0000075  , L0000076  , L0000077  , L0000078  , L0000079  ,
L0000080  , L0000081  ,
L0000082  , L0000083  , L0000084  , L0000085  , L0000086  , L0000087  ,
L0000088  , L0000089  ,
L0000090  , L0000091  , L0000092  , L0000093  , L0000094  , L0000095  ,
L0000096  , L0000097  ,
L0000098  , L0000099  , L0000100  , L0000101  , L0000102  , L0000103  ,
L0000104  , L0000105  ,
L0000106  , L0000107  , L0000108  , L0000109  , L0000110  , L0000111  ,
L0000112  , L0000113  ,
L0000114  , L0000115  , L0000116  , L0000117  ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
                                     DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
  .0000E+00  7 .0000E+00  8 .0000E+00
  9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

```

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

11:34:45

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SUNDAY.

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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 *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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 *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 HRA.isc *** 04/03/24
 *** AERMET - VERSION 16216 ***
 *** *** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 HRA.isc *** 04/03/24
 *** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday. All values are .0000E+00.

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*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday. All values are .0000E+00.

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:34:45

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** 11:34:45

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :

SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
--------	-------	--------	-------	--------	-------	--------	-------	--------	-------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14
.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL
--------	-------	--------	-------	--------	-------	--------	-------	--------	-------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14
.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22
.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6
.0000E+00	7	.0000E+00	8	.0000E+00						

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:34:45

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000031 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000033 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** 11:34:45

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000034 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000035 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000036 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000037 ; SOURCE TYPE = VOLUME :

HRDOW SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR DATA

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR DATA

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000040 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000044 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000045 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000046 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = L0000047 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** *** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000048 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :

Hourly scalar values for source L0000049 across 24 hours.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekdays (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturdays (Days 8-14).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sundays (Days 15-21).

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000050 ; SOURCE TYPE = VOLUME :

Hourly scalar values for source L0000050 across 24 hours.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekdays (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturdays (Days 8-14).

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000051 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000052 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000056 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 8-14).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 15-21).

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000057 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 8-14).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 15-21).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000058 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000059 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000060 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000062 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000063 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000064 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000067 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000068 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000069 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000070 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** *** 11:34:45

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000071 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000072 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000073 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000074 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000075 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000076 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000077 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000078 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000079 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000080 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000081 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000082 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 22112 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000083 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000084 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000085 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000086 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:34:45

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000087 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:34:45

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000088 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000089 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000090 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000091 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000092 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

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*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000093 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000094 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000095 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000096 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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HRA.isc *** 04/03/24

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000097 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000098 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000099 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000100 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000101 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000102 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000103 ; SOURCE TYPE = VOLUME :

HRDOW SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000104 ; SOURCE TYPE = VOLUME :

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** *** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000105 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
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*** *** 11:34:45

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000106 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 22112 *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

11:34:45

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000107 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000108 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000109 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000110 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000111 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:34:45

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000112 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:34:45

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = L0000113 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24
*** AERMET - VERSION 16216 ***
*** *** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000114 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000115 ; SOURCE TYPE = VOLUME :

Hourly scalar values for source L0000115, including columns for HOUR, SCALAR, and DAY OF WEEK.

DAY OF WEEK = WEEKDAY

Table with 12 columns (Hour, Scalar) for Weekday (Days 1-7), showing scalar values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (Hour, Scalar) for Saturday (Days 8-14), showing scalar values of 0.0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (Hour, Scalar) for Sunday (Days 15-21), showing scalar values of 0.0000E+00.

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000116 ; SOURCE TYPE = VOLUME :

Hourly scalar values for source L0000116, including columns for HOUR, SCALAR, and DAY OF WEEK.

DAY OF WEEK = WEEKDAY

Table with 12 columns (Hour, Scalar) for Weekday (Days 1-7), showing scalar values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (Hour, Scalar) for Saturday (Days 8-14), showing scalar values of 0.0000E+00.

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

*** 11:34:45

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = L0000117 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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HRA.isc *** 04/03/24

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(483120.1, 3733660.2, 435.0, 435.0, 0.0); (483289.4, 3733778.1,
436.0, 436.0, 0.0);
(483289.7, 3733875.8, 436.0, 436.0, 0.0); (483232.9, 3733971.1,
436.0, 436.0, 0.0);
(483196.4, 3733935.4, 436.0, 436.0, 0.0); (482905.1, 3733998.1,
435.0, 435.0, 0.0);
(482945.4, 3733647.3, 435.0, 435.0, 0.0); (482845.7, 3733633.3,
435.0, 435.0, 0.0);
(484104.9, 3733910.1, 441.0, 441.0, 0.0); (484128.8, 3733930.1,
441.3, 441.3, 0.0);


```

483031.00    3734054.50    0.00433    483376.10
3734009.36          0.00197
483301.59    3733714.82    0.01331    483364.53
3733652.69          0.00470
482964.67    3734017.41    0.00562    482964.39
3734035.32          0.00470
483036.02    3734094.07    0.00319    482918.10
3734083.37          0.00282
483381.46    3734038.47    0.00169    483420.31
3734067.44          0.00124
483410.44    3734096.75
0.00118

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*** AERMOD - VERSION 22112 ***    *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc          ***          04/03/24
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK

GROUP ID ZFLAG)	OF TYPE	GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL,
ALL	1ST HIGHEST VALUE IS		0.02087 AT (	483196.37, 3733935.41, 436.00,
436.00,	0.00) DC			
	2ND HIGHEST VALUE IS		0.02066 AT (	483120.12, 3733660.19, 435.00,
	435.00, 0.00) DC			
	3RD HIGHEST VALUE IS		0.01836 AT (	483289.42, 3733778.15, 436.00,
	436.00, 0.00) DC			
	4TH HIGHEST VALUE IS		0.01691 AT (	483293.17, 3733760.02, 436.00,
	436.00, 0.00) DC			
	5TH HIGHEST VALUE IS		0.01400 AT (	483292.01, 3733686.85, 436.00,
	436.00, 0.00) DC			
	6TH HIGHEST VALUE IS		0.01391 AT (	483289.67, 3733875.83, 436.00,
	436.00, 0.00) DC			
	7TH HIGHEST VALUE IS		0.01331 AT (	483301.59, 3733714.82, 436.00,
	436.00, 0.00) DC			
	8TH HIGHEST VALUE IS		0.01303 AT (	483303.87, 3733791.80, 436.00,
	436.00, 0.00) DC			
	9TH HIGHEST VALUE IS		0.01286 AT (	483300.45, 3733832.03, 436.00,
	436.00, 0.00) DC			
	10TH HIGHEST VALUE IS		0.01037 AT (	483301.59, 3733877.75, 436.00,
	436.00, 0.00) DC			

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

```

*** AERMOD - VERSION 22112 ***    *** C:\Lakes\AERMOD View\15109 CONS HRA\15109 CONS
HRA.isc          ***          04/03/24
*** AERMET - VERSION 16216 ***
***
***

```

11:34:45

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
 A Total of 4 Warning Message(s)
 A Total of 2028 Informational Message(s)
 A Total of 43824 Hours Were Processed
 A Total of 978 Calm Hours Identified
 A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****

ME W186	2251	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	2251	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

 *** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 4/3/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15109 Hillwood Ethanac\15109 OPS HRA\15109 OPS
HRA.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
  TITLEONE C:\Lakes\AERMOD View\15109 OPS HRA\15109 OPS HRA.isc
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 2189641
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "15109 OPS HRA.err"

```

```

CO FINISHED

```

```

**
*****
** AERMOD Source Pathway
*****

```

```

**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----

```

```

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site Idling (West Side of Building)
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00003276
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 482984.821, 3733907.741, 435.00, 3.49, 4.00
** 482984.436, 3733789.839, 435.00, 3.49, 4.00
** -----

```

LOCATION	VOLUME	X Coord.	Y Coord.	Z
L0001737	482984.807	3733903.446	435.00	
L0001738	482984.779	3733894.856	435.00	
L0001739	482984.751	3733886.266	435.00	
L0001740	482984.723	3733877.676	435.00	
L0001741	482984.695	3733869.086	435.00	
L0001742	482984.667	3733860.496	435.00	
L0001743	482984.639	3733851.906	435.00	
L0001744	482984.610	3733843.316	435.00	
L0001745	482984.582	3733834.726	435.00	
L0001746	482984.554	3733826.136	435.00	
L0001747	482984.526	3733817.546	435.00	
L0001748	482984.498	3733808.956	435.00	
L0001749	482984.470	3733800.366	435.00	
L0001750	482984.442	3733791.777	435.00	

```

** End of LINE VOLUME Source ID = SLINE1

```


** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC On-Site Idling (East Side of Building)
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00003276
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 483210.222, 3733906.200, 436.00, 3.49, 4.00
** 483210.222, 3733761.327, 436.00, 3.49, 4.00
** -----

LOCATION	L0001751	VOLUME	483210.222	3733901.905	436.00
LOCATION	L0001752	VOLUME	483210.222	3733893.315	436.00
LOCATION	L0001753	VOLUME	483210.222	3733884.725	436.00
LOCATION	L0001754	VOLUME	483210.222	3733876.135	436.00
LOCATION	L0001755	VOLUME	483210.222	3733867.545	436.00
LOCATION	L0001756	VOLUME	483210.222	3733858.955	436.00
LOCATION	L0001757	VOLUME	483210.222	3733850.365	436.00
LOCATION	L0001758	VOLUME	483210.222	3733841.775	436.00
LOCATION	L0001759	VOLUME	483210.222	3733833.185	436.00
LOCATION	L0001760	VOLUME	483210.222	3733824.595	436.00
LOCATION	L0001761	VOLUME	483210.222	3733816.005	436.00
LOCATION	L0001762	VOLUME	483210.222	3733807.415	436.00
LOCATION	L0001763	VOLUME	483210.222	3733798.825	436.00
LOCATION	L0001764	VOLUME	483210.222	3733790.235	436.00
LOCATION	L0001765	VOLUME	483210.222	3733781.645	436.00
LOCATION	L0001766	VOLUME	483210.222	3733773.055	436.00
LOCATION	L0001767	VOLUME	483210.222	3733764.465	436.00

** End of LINE VOLUME Source ID = SLINE2
** -----

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC On-Site Travel (60%)
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 9.296E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 10
** 482885.799, 3733785.215, 435.00, 0.00, 4.00
** 482910.458, 3733785.986, 435.00, 0.00, 4.00
** 482951.685, 3733785.986, 435.00, 0.00, 4.00
** 482960.547, 3733787.527, 435.00, 0.00, 4.00
** 482966.327, 3733796.389, 435.00, 0.00, 4.00
** 482965.556, 3733829.910, 435.00, 0.00, 4.00
** 482965.914, 3733910.056, 435.00, 0.00, 4.00
** 482917.045, 3733887.189, 435.00, 0.00, 4.00
** 482940.310, 3733848.361, 435.00, 0.00, 4.00
** 482905.834, 3733805.636, 435.00, 0.00, 4.00
** -----

LOCATION	L0001768	VOLUME	482890.092	3733785.350	435.00
LOCATION	L0001769	VOLUME	482898.678	3733785.618	435.00
LOCATION	L0001770	VOLUME	482907.263	3733785.886	435.00
LOCATION	L0001771	VOLUME	482915.852	3733785.986	435.00
LOCATION	L0001772	VOLUME	482924.442	3733785.986	435.00
LOCATION	L0001773	VOLUME	482933.032	3733785.986	435.00
LOCATION	L0001774	VOLUME	482941.622	3733785.986	435.00
LOCATION	L0001775	VOLUME	482950.212	3733785.986	435.00
LOCATION	L0001776	VOLUME	482958.697	3733787.205	435.00
LOCATION	L0001777	VOLUME	482964.213	3733793.149	435.00
LOCATION	L0001778	VOLUME	482966.218	3733801.110	435.00
LOCATION	L0001779	VOLUME	482966.021	3733809.697	435.00

LOCATION	L0001780	VOLUME	482965.823	3733818.285	435.00
LOCATION	L0001781	VOLUME	482965.626	3733826.873	435.00
LOCATION	L0001782	VOLUME	482965.581	3733835.462	435.00
LOCATION	L0001783	VOLUME	482965.619	3733844.052	435.00
LOCATION	L0001784	VOLUME	482965.657	3733852.642	435.00
LOCATION	L0001785	VOLUME	482965.696	3733861.232	435.00
LOCATION	L0001786	VOLUME	482965.734	3733869.822	435.00
LOCATION	L0001787	VOLUME	482965.773	3733878.411	435.00
LOCATION	L0001788	VOLUME	482965.811	3733887.001	435.00
LOCATION	L0001789	VOLUME	482965.849	3733895.591	435.00
LOCATION	L0001790	VOLUME	482965.888	3733904.181	435.00
LOCATION	L0001791	VOLUME	482963.455	3733908.906	435.00
LOCATION	L0001792	VOLUME	482955.674	3733905.265	435.00
LOCATION	L0001793	VOLUME	482947.894	3733901.624	435.00
LOCATION	L0001794	VOLUME	482940.114	3733897.984	435.00
LOCATION	L0001795	VOLUME	482932.333	3733894.343	435.00
LOCATION	L0001796	VOLUME	482924.553	3733890.702	435.00
LOCATION	L0001797	VOLUME	482917.199	3733886.931	435.00
LOCATION	L0001798	VOLUME	482921.614	3733879.563	435.00
LOCATION	L0001799	VOLUME	482926.029	3733872.194	435.00
LOCATION	L0001800	VOLUME	482930.444	3733864.826	435.00
LOCATION	L0001801	VOLUME	482934.860	3733857.457	435.00
LOCATION	L0001802	VOLUME	482939.275	3733850.089	435.00
LOCATION	L0001803	VOLUME	482936.181	3733843.243	435.00
LOCATION	L0001804	VOLUME	482930.787	3733836.558	435.00
LOCATION	L0001805	VOLUME	482925.392	3733829.873	435.00
LOCATION	L0001806	VOLUME	482919.998	3733823.188	435.00
LOCATION	L0001807	VOLUME	482914.604	3733816.504	435.00
LOCATION	L0001808	VOLUME	482909.209	3733809.819	435.00

** End of LINE VOLUME Source ID = SLINE3

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC On-Site Travel 40%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00001218

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 9

** 482886.184, 3733919.300, 435.00, 0.00, 4.00

** 482920.476, 3733920.456, 435.00, 0.00, 4.00

** 482960.932, 3733923.538, 435.00, 0.00, 4.00

** 483033.369, 3733922.768, 435.00, 0.00, 4.00

** 483168.609, 3733921.226, 436.00, 0.00, 4.00

** 483233.340, 3733921.226, 436.00, 0.00, 4.00

** 483228.244, 3733758.236, 436.00, 0.00, 4.00

** 483249.886, 3733759.782, 436.00, 0.00, 4.00

** 483251.834, 3733921.997, 436.00, 0.00, 4.00

** -----

LOCATION	L0001809	VOLUME	482890.477	3733919.445	435.00
LOCATION	L0001810	VOLUME	482899.062	3733919.734	435.00
LOCATION	L0001811	VOLUME	482907.647	3733920.023	435.00
LOCATION	L0001812	VOLUME	482916.232	3733920.313	435.00
LOCATION	L0001813	VOLUME	482924.807	3733920.786	435.00
LOCATION	L0001814	VOLUME	482933.372	3733921.438	435.00
LOCATION	L0001815	VOLUME	482941.937	3733922.091	435.00
LOCATION	L0001816	VOLUME	482950.503	3733922.744	435.00
LOCATION	L0001817	VOLUME	482959.068	3733923.396	435.00
LOCATION	L0001818	VOLUME	482967.652	3733923.467	435.00
LOCATION	L0001819	VOLUME	482976.242	3733923.375	435.00
LOCATION	L0001820	VOLUME	482984.831	3733923.284	435.00
LOCATION	L0001821	VOLUME	482993.421	3733923.193	435.00
LOCATION	L0001822	VOLUME	483002.010	3733923.101	435.00
LOCATION	L0001823	VOLUME	483010.600	3733923.010	435.00

LOCATION	L0001824	VOLUME	483019.189	3733922.918	435.00
LOCATION	L0001825	VOLUME	483027.779	3733922.827	435.00
LOCATION	L0001826	VOLUME	483036.368	3733922.733	435.00
LOCATION	L0001827	VOLUME	483044.958	3733922.636	435.00
LOCATION	L0001828	VOLUME	483053.547	3733922.538	435.00
LOCATION	L0001829	VOLUME	483062.136	3733922.440	435.00
LOCATION	L0001830	VOLUME	483070.726	3733922.342	435.00
LOCATION	L0001831	VOLUME	483079.315	3733922.244	435.00
LOCATION	L0001832	VOLUME	483087.905	3733922.146	435.00
LOCATION	L0001833	VOLUME	483096.494	3733922.048	435.00
LOCATION	L0001834	VOLUME	483105.084	3733921.950	435.17
LOCATION	L0001835	VOLUME	483113.673	3733921.852	435.45
LOCATION	L0001836	VOLUME	483122.263	3733921.755	435.74
LOCATION	L0001837	VOLUME	483130.852	3733921.657	436.00
LOCATION	L0001838	VOLUME	483139.441	3733921.559	436.00
LOCATION	L0001839	VOLUME	483148.031	3733921.461	436.00
LOCATION	L0001840	VOLUME	483156.620	3733921.363	436.00
LOCATION	L0001841	VOLUME	483165.210	3733921.265	436.00
LOCATION	L0001842	VOLUME	483173.800	3733921.226	436.00
LOCATION	L0001843	VOLUME	483182.390	3733921.226	436.00
LOCATION	L0001844	VOLUME	483190.980	3733921.226	436.00
LOCATION	L0001845	VOLUME	483199.570	3733921.226	436.00
LOCATION	L0001846	VOLUME	483208.160	3733921.226	436.00
LOCATION	L0001847	VOLUME	483216.750	3733921.226	436.00
LOCATION	L0001848	VOLUME	483225.340	3733921.226	436.00
LOCATION	L0001849	VOLUME	483233.321	3733920.637	436.00
LOCATION	L0001850	VOLUME	483233.053	3733912.051	436.00
LOCATION	L0001851	VOLUME	483232.784	3733903.465	436.00
LOCATION	L0001852	VOLUME	483232.516	3733894.879	436.00
LOCATION	L0001853	VOLUME	483232.248	3733886.294	436.00
LOCATION	L0001854	VOLUME	483231.979	3733877.708	436.00
LOCATION	L0001855	VOLUME	483231.711	3733869.122	436.00
LOCATION	L0001856	VOLUME	483231.442	3733860.536	436.00
LOCATION	L0001857	VOLUME	483231.174	3733851.950	436.00
LOCATION	L0001858	VOLUME	483230.905	3733843.365	436.00
LOCATION	L0001859	VOLUME	483230.637	3733834.779	436.00
LOCATION	L0001860	VOLUME	483230.369	3733826.193	436.00
LOCATION	L0001861	VOLUME	483230.100	3733817.607	436.00
LOCATION	L0001862	VOLUME	483229.832	3733809.021	436.00
LOCATION	L0001863	VOLUME	483229.563	3733800.436	436.00
LOCATION	L0001864	VOLUME	483229.295	3733791.850	436.00
LOCATION	L0001865	VOLUME	483229.027	3733783.264	436.00
LOCATION	L0001866	VOLUME	483228.758	3733774.678	436.00
LOCATION	L0001867	VOLUME	483228.490	3733766.092	436.00
LOCATION	L0001868	VOLUME	483228.972	3733758.288	436.00
LOCATION	L0001869	VOLUME	483237.540	3733758.900	436.00
LOCATION	L0001870	VOLUME	483246.109	3733759.512	436.00
LOCATION	L0001871	VOLUME	483249.944	3733764.585	436.00
LOCATION	L0001872	VOLUME	483250.047	3733773.174	436.00
LOCATION	L0001873	VOLUME	483250.150	3733781.763	436.00
LOCATION	L0001874	VOLUME	483250.253	3733790.353	436.00
LOCATION	L0001875	VOLUME	483250.356	3733798.942	436.00
LOCATION	L0001876	VOLUME	483250.459	3733807.531	436.00
LOCATION	L0001877	VOLUME	483250.563	3733816.121	436.00
LOCATION	L0001878	VOLUME	483250.666	3733824.710	436.00
LOCATION	L0001879	VOLUME	483250.769	3733833.300	436.00
LOCATION	L0001880	VOLUME	483250.872	3733841.889	436.00
LOCATION	L0001881	VOLUME	483250.975	3733850.478	436.00
LOCATION	L0001882	VOLUME	483251.078	3733859.068	436.00
LOCATION	L0001883	VOLUME	483251.182	3733867.657	436.00
LOCATION	L0001884	VOLUME	483251.285	3733876.246	436.00
LOCATION	L0001885	VOLUME	483251.388	3733884.836	436.00
LOCATION	L0001886	VOLUME	483251.491	3733893.425	436.00
LOCATION	L0001887	VOLUME	483251.594	3733902.015	436.00
LOCATION	L0001888	VOLUME	483251.697	3733910.604	436.00
LOCATION	L0001889	VOLUME	483251.800	3733919.193	436.00

```

** End of LINE VOLUME Source ID = SLINE4
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Dwy 1 40% Inbound/Outbound to Ethanac Rd
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.334E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 482876.166, 3733920.456, 435.00, 3.49, 4.00
** 482876.552, 3733675.790, 435.00, 3.49, 4.00
** -----

```

LOCATION	VOLUME	482876.173	3733916.161	435.00
LOCATION L0001890	VOLUME	482876.173	3733916.161	435.00
LOCATION L0001891	VOLUME	482876.187	3733907.571	435.00
LOCATION L0001892	VOLUME	482876.200	3733898.981	435.00
LOCATION L0001893	VOLUME	482876.214	3733890.391	435.00
LOCATION L0001894	VOLUME	482876.227	3733881.801	435.00
LOCATION L0001895	VOLUME	482876.241	3733873.211	435.00
LOCATION L0001896	VOLUME	482876.254	3733864.621	435.00
LOCATION L0001897	VOLUME	482876.268	3733856.031	435.00
LOCATION L0001898	VOLUME	482876.281	3733847.441	435.00
LOCATION L0001899	VOLUME	482876.295	3733838.851	435.00
LOCATION L0001900	VOLUME	482876.308	3733830.261	435.00
LOCATION L0001901	VOLUME	482876.322	3733821.671	435.00
LOCATION L0001902	VOLUME	482876.335	3733813.081	435.00
LOCATION L0001903	VOLUME	482876.349	3733804.491	435.00
LOCATION L0001904	VOLUME	482876.362	3733795.901	435.00
LOCATION L0001905	VOLUME	482876.376	3733787.311	435.00
LOCATION L0001906	VOLUME	482876.390	3733778.721	435.00
LOCATION L0001907	VOLUME	482876.403	3733770.131	435.00
LOCATION L0001908	VOLUME	482876.417	3733761.541	435.00
LOCATION L0001909	VOLUME	482876.430	3733752.951	435.00
LOCATION L0001910	VOLUME	482876.444	3733744.361	435.00
LOCATION L0001911	VOLUME	482876.457	3733735.771	435.00
LOCATION L0001912	VOLUME	482876.471	3733727.181	435.00
LOCATION L0001913	VOLUME	482876.484	3733718.591	435.00
LOCATION L0001914	VOLUME	482876.498	3733710.001	435.00
LOCATION L0001915	VOLUME	482876.511	3733701.411	435.00
LOCATION L0001916	VOLUME	482876.525	3733692.821	435.00
LOCATION L0001917	VOLUME	482876.538	3733684.231	435.00

```

** End of LINE VOLUME Source ID = SLINE5
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Dwy 2 60% Inbound/Outbound to Ethanac Rd
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 9.197E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 482876.552, 3733787.142, 435.00, 3.49, 4.00
** 482876.937, 3733674.634, 435.00, 3.49, 4.00
** -----

```

LOCATION	VOLUME	482876.566	3733782.847	435.00
LOCATION L0001918	VOLUME	482876.566	3733782.847	435.00
LOCATION L0001919	VOLUME	482876.596	3733774.257	435.00
LOCATION L0001920	VOLUME	482876.625	3733765.667	435.00
LOCATION L0001921	VOLUME	482876.655	3733757.077	435.00
LOCATION L0001922	VOLUME	482876.684	3733748.487	435.00
LOCATION L0001923	VOLUME	482876.713	3733739.897	435.00
LOCATION L0001924	VOLUME	482876.743	3733731.307	435.00
LOCATION L0001925	VOLUME	482876.772	3733722.717	435.00

LOCATION	L0001926	VOLUME	482876.802	3733714.127	435.00
LOCATION	L0001927	VOLUME	482876.831	3733705.537	435.00
LOCATION	L0001928	VOLUME	482876.861	3733696.947	435.00
LOCATION	L0001929	VOLUME	482876.890	3733688.357	435.00
LOCATION	L0001930	VOLUME	482876.919	3733679.768	435.00

** End of LINE VOLUME Source ID = SLINE6

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC 100% Inbound/Outbound to I-215

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 7.37E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 482878.322, 3733667.301, 435.00, 3.49, 4.00

** 482337.525, 3733675.834, 433.62, 3.49, 4.00

** -----

LOCATION	L0001931	VOLUME	482874.027	3733667.368	435.00
LOCATION	L0001932	VOLUME	482865.438	3733667.504	435.00
LOCATION	L0001933	VOLUME	482856.849	3733667.639	435.00
LOCATION	L0001934	VOLUME	482848.260	3733667.775	435.00
LOCATION	L0001935	VOLUME	482839.671	3733667.910	435.00
LOCATION	L0001936	VOLUME	482831.083	3733668.046	435.00
LOCATION	L0001937	VOLUME	482822.494	3733668.182	435.00
LOCATION	L0001938	VOLUME	482813.905	3733668.317	435.00
LOCATION	L0001939	VOLUME	482805.316	3733668.453	435.00
LOCATION	L0001940	VOLUME	482796.727	3733668.588	434.90
LOCATION	L0001941	VOLUME	482788.138	3733668.724	434.64
LOCATION	L0001942	VOLUME	482779.549	3733668.859	434.38
LOCATION	L0001943	VOLUME	482770.960	3733668.995	434.13
LOCATION	L0001944	VOLUME	482762.371	3733669.130	434.08
LOCATION	L0001945	VOLUME	482753.782	3733669.266	434.05
LOCATION	L0001946	VOLUME	482745.193	3733669.401	434.02
LOCATION	L0001947	VOLUME	482736.604	3733669.537	434.00
LOCATION	L0001948	VOLUME	482728.015	3733669.672	434.00
LOCATION	L0001949	VOLUME	482719.426	3733669.808	434.00
LOCATION	L0001950	VOLUME	482710.838	3733669.943	434.00
LOCATION	L0001951	VOLUME	482702.249	3733670.079	434.00
LOCATION	L0001952	VOLUME	482693.660	3733670.214	434.00
LOCATION	L0001953	VOLUME	482685.071	3733670.350	434.00
LOCATION	L0001954	VOLUME	482676.482	3733670.485	434.00
LOCATION	L0001955	VOLUME	482667.893	3733670.621	434.00
LOCATION	L0001956	VOLUME	482659.304	3733670.757	434.00
LOCATION	L0001957	VOLUME	482650.715	3733670.892	434.00
LOCATION	L0001958	VOLUME	482642.126	3733671.028	434.00
LOCATION	L0001959	VOLUME	482633.537	3733671.163	434.00
LOCATION	L0001960	VOLUME	482624.948	3733671.299	434.00
LOCATION	L0001961	VOLUME	482616.359	3733671.434	434.00
LOCATION	L0001962	VOLUME	482607.770	3733671.570	434.00
LOCATION	L0001963	VOLUME	482599.181	3733671.705	434.00
LOCATION	L0001964	VOLUME	482590.592	3733671.841	434.00
LOCATION	L0001965	VOLUME	482582.004	3733671.976	434.00
LOCATION	L0001966	VOLUME	482573.415	3733672.112	434.00
LOCATION	L0001967	VOLUME	482564.826	3733672.247	434.00
LOCATION	L0001968	VOLUME	482556.237	3733672.383	434.00
LOCATION	L0001969	VOLUME	482547.648	3733672.518	434.00
LOCATION	L0001970	VOLUME	482539.059	3733672.654	434.00
LOCATION	L0001971	VOLUME	482530.470	3733672.789	434.00
LOCATION	L0001972	VOLUME	482521.881	3733672.925	434.00
LOCATION	L0001973	VOLUME	482513.292	3733673.060	434.00
LOCATION	L0001974	VOLUME	482504.703	3733673.196	434.00
LOCATION	L0001975	VOLUME	482496.114	3733673.331	434.00
LOCATION	L0001976	VOLUME	482487.525	3733673.467	434.00

LOCATION	L0001977	VOLUME	482478.936	3733673.603	434.00
LOCATION	L0001978	VOLUME	482470.347	3733673.738	434.00
LOCATION	L0001979	VOLUME	482461.759	3733673.874	434.00
LOCATION	L0001980	VOLUME	482453.170	3733674.009	434.00
LOCATION	L0001981	VOLUME	482444.581	3733674.145	434.00
LOCATION	L0001982	VOLUME	482435.992	3733674.280	434.00
LOCATION	L0001983	VOLUME	482427.403	3733674.416	434.00
LOCATION	L0001984	VOLUME	482418.814	3733674.551	434.00
LOCATION	L0001985	VOLUME	482410.225	3733674.687	434.00
LOCATION	L0001986	VOLUME	482401.636	3733674.822	434.00
LOCATION	L0001987	VOLUME	482393.047	3733674.958	434.00
LOCATION	L0001988	VOLUME	482384.458	3733675.093	434.00
LOCATION	L0001989	VOLUME	482375.869	3733675.229	433.96
LOCATION	L0001990	VOLUME	482367.280	3733675.364	433.87
LOCATION	L0001991	VOLUME	482358.691	3733675.500	433.77
LOCATION	L0001992	VOLUME	482350.102	3733675.635	433.68
LOCATION	L0001993	VOLUME	482341.514	3733675.771	433.48
** End of LINE VOLUME Source ID = SLINE7					
LOCATION	STCK1	POINT	483012.972	3733740.080	435.000
LOCATION	STCK2	POINT	483012.972	3733740.080	435.000
** Source Parameters **					
** LINE VOLUME Source ID = SLINE1					
SRCPARAM	L0001737	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001738	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001739	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001740	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001741	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001742	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001743	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001744	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001745	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001746	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001747	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001748	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001749	0.00000234	3.49	4.00	3.25
SRCPARAM	L0001750	0.00000234	3.49	4.00	3.25

** LINE VOLUME Source ID = SLINE2					
SRCPARAM	L0001751	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001752	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001753	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001754	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001755	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001756	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001757	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001758	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001759	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001760	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001761	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001762	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001763	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001764	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001765	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001766	0.000001927	3.49	4.00	3.25
SRCPARAM	L0001767	0.000001927	3.49	4.00	3.25

** LINE VOLUME Source ID = SLINE3					
SRCPARAM	L0001768	0.0000002267	0.00	4.00	3.25
SRCPARAM	L0001769	0.0000002267	0.00	4.00	3.25
SRCPARAM	L0001770	0.0000002267	0.00	4.00	3.25
SRCPARAM	L0001771	0.0000002267	0.00	4.00	3.25
SRCPARAM	L0001772	0.0000002267	0.00	4.00	3.25
SRCPARAM	L0001773	0.0000002267	0.00	4.00	3.25
SRCPARAM	L0001774	0.0000002267	0.00	4.00	3.25
SRCPARAM	L0001775	0.0000002267	0.00	4.00	3.25
SRCPARAM	L0001776	0.0000002267	0.00	4.00	3.25

EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2 HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING

INCLUDED "15109 OPS HRA.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**
**

ME STARTING

SURFFILE PERI_V9_ADJU\PERI_v9.SFC
PROFFILE PERI_V9_ADJU\PERI_v9.PFL
SURFDATA 3171 2010
UAIRDATA 3190 2010
SITEDATA 99999 2010
PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE PERIOD ALL "15109 OPS HRA.AD\PE00GALL.PLT" 31
SUMMFILE "15109 OPS HRA.sum"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

SO W320 687 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
SO W320 688 PPARM: Input Parameter May Be Out-of-Range for Parameter VS
ME W186 759 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 759 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 259 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 259 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 2 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

and: 257 VOLUME source(s)

and: 0 AREA type source(s)

and: 0 LINE source(s)

and: 0 RLINE/RLINEXT source(s)

and: 0 OPENPIT source(s)

and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

- Model Outputs Tables of PERIOD Averages by Receptor
- Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
- Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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 = 3.9 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 15109 OPS

HRA.err

**File for Summary of Results: 15109 OPS

HRA.sum

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE	DIAMETER	ID	PART.	EMITS	BLDG	URBAN	CAP/	X	Y	EMIS RATE	BASE	STACK	STACK	STACK
STCK1	0.12	NO	YES	NO	HRDOW7	0	0.25200E-02	483013.0	3733740.1	435.0	3.04	765.80	54.28	
STCK2	0.06	NO	YES	NO	HRDOW7	0	0.11340E-01	483013.0	3733740.1	435.0	6.07	784.00	87.68	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	ID	PART.	EMITS	URBAN	EMISS	BLDG	URBAN	CAP/	X	Y	EMIS RATE	BASE	RELEASE	INIT.	INIT.
L0001737	YES	0	0.23400E-05	482984.8	3733903.4	435.0	3.49	4.00	3.25						
L0001738		0	0.23400E-05	482984.8	3733894.9	435.0	3.49	4.00	3.25						

YES								
L0001739	0	0.23400E-05	482984.8	3733886.3	435.0	3.49	4.00	3.25
YES								
L0001740	0	0.23400E-05	482984.7	3733877.7	435.0	3.49	4.00	3.25
YES								
L0001741	0	0.23400E-05	482984.7	3733869.1	435.0	3.49	4.00	3.25
YES								
L0001742	0	0.23400E-05	482984.7	3733860.5	435.0	3.49	4.00	3.25
YES								
L0001743	0	0.23400E-05	482984.6	3733851.9	435.0	3.49	4.00	3.25
YES								
L0001744	0	0.23400E-05	482984.6	3733843.3	435.0	3.49	4.00	3.25
YES								
L0001745	0	0.23400E-05	482984.6	3733834.7	435.0	3.49	4.00	3.25
YES								
L0001746	0	0.23400E-05	482984.6	3733826.1	435.0	3.49	4.00	3.25
YES								
L0001747	0	0.23400E-05	482984.5	3733817.5	435.0	3.49	4.00	3.25
YES								
L0001748	0	0.23400E-05	482984.5	3733809.0	435.0	3.49	4.00	3.25
YES								
L0001749	0	0.23400E-05	482984.5	3733800.4	435.0	3.49	4.00	3.25
YES								
L0001750	0	0.23400E-05	482984.4	3733791.8	435.0	3.49	4.00	3.25
YES								
L0001751	0	0.19270E-05	483210.2	3733901.9	436.0	3.49	4.00	3.25
YES								
L0001752	0	0.19270E-05	483210.2	3733893.3	436.0	3.49	4.00	3.25
YES								
L0001753	0	0.19270E-05	483210.2	3733884.7	436.0	3.49	4.00	3.25
YES								
L0001754	0	0.19270E-05	483210.2	3733876.1	436.0	3.49	4.00	3.25
YES								
L0001755	0	0.19270E-05	483210.2	3733867.5	436.0	3.49	4.00	3.25
YES								
L0001756	0	0.19270E-05	483210.2	3733859.0	436.0	3.49	4.00	3.25
YES								
L0001757	0	0.19270E-05	483210.2	3733850.4	436.0	3.49	4.00	3.25
YES								
L0001758	0	0.19270E-05	483210.2	3733841.8	436.0	3.49	4.00	3.25
YES								
L0001759	0	0.19270E-05	483210.2	3733833.2	436.0	3.49	4.00	3.25
YES								
L0001760	0	0.19270E-05	483210.2	3733824.6	436.0	3.49	4.00	3.25
YES								
L0001761	0	0.19270E-05	483210.2	3733816.0	436.0	3.49	4.00	3.25
YES								
L0001762	0	0.19270E-05	483210.2	3733807.4	436.0	3.49	4.00	3.25
YES								
L0001763	0	0.19270E-05	483210.2	3733798.8	436.0	3.49	4.00	3.25
YES								
L0001764	0	0.19270E-05	483210.2	3733790.2	436.0	3.49	4.00	3.25
YES								
L0001765	0	0.19270E-05	483210.2	3733781.6	436.0	3.49	4.00	3.25
YES								
L0001766	0	0.19270E-05	483210.2	3733773.1	436.0	3.49	4.00	3.25
YES								
L0001767	0	0.19270E-05	483210.2	3733764.5	436.0	3.49	4.00	3.25
YES								
L0001768	0	0.22670E-06	482890.1	3733785.3	435.0	0.00	4.00	3.25
YES								
L0001769	0	0.22670E-06	482898.7	3733785.6	435.0	0.00	4.00	3.25
YES								
L0001770	0	0.22670E-06	482907.3	3733785.9	435.0	0.00	4.00	3.25
YES								
L0001771	0	0.22670E-06	482915.9	3733786.0	435.0	0.00	4.00	3.25

YES
 L0001795 0 0.22670E-06 482932.3 3733894.3 435.0 0.00 4.00 3.25
 YES
 L0001796 0 0.22670E-06 482924.6 3733890.7 435.0 0.00 4.00 3.25
 YES
 L0001797 0 0.22670E-06 482917.2 3733886.9 435.0 0.00 4.00 3.25
 YES
 L0001798 0 0.22670E-06 482921.6 3733879.6 435.0 0.00 4.00 3.25
 YES
 L0001799 0 0.22670E-06 482926.0 3733872.2 435.0 0.00 4.00 3.25
 YES
 L0001800 0 0.22670E-06 482930.4 3733864.8 435.0 0.00 4.00 3.25
 YES
 L0001801 0 0.22670E-06 482934.9 3733857.5 435.0 0.00 4.00 3.25
 YES
 L0001802 0 0.22670E-06 482939.3 3733850.1 435.0 0.00 4.00 3.25
 YES
 L0001803 0 0.22670E-06 482936.2 3733843.2 435.0 0.00 4.00 3.25
 YES
 L0001804 0 0.22670E-06 482930.8 3733836.6 435.0 0.00 4.00 3.25
 YES
 L0001805 0 0.22670E-06 482925.4 3733829.9 435.0 0.00 4.00 3.25
 YES
 L0001806 0 0.22670E-06 482920.0 3733823.2 435.0 0.00 4.00 3.25
 YES
 L0001807 0 0.22670E-06 482914.6 3733816.5 435.0 0.00 4.00 3.25
 YES
 L0001808 0 0.22670E-06 482909.2 3733809.8 435.0 0.00 4.00 3.25
 YES
 L0001809 0 0.15040E-06 482890.5 3733919.4 435.0 0.00 4.00 3.25
 YES
 L0001810 0 0.15040E-06 482899.1 3733919.7 435.0 0.00 4.00 3.25
 YES
 L0001811 0 0.15040E-06 482907.6 3733920.0 435.0 0.00 4.00 3.25
 YES
 L0001812 0 0.15040E-06 482916.2 3733920.3 435.0 0.00 4.00 3.25
 YES
 L0001813 0 0.15040E-06 482924.8 3733920.8 435.0 0.00 4.00 3.25
 YES
 L0001814 0 0.15040E-06 482933.4 3733921.4 435.0 0.00 4.00 3.25
 YES
 L0001815 0 0.15040E-06 482941.9 3733922.1 435.0 0.00 4.00 3.25
 YES
 L0001816 0 0.15040E-06 482950.5 3733922.7 435.0 0.00 4.00 3.25
 YES

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY						

L0001817 0 0.15040E-06 482959.1 3733923.4 435.0 0.00 4.00 3.25

YES								
L0001818	0	0.15040E-06	482967.7	3733923.5	435.0	0.00	4.00	3.25
YES								
L0001819	0	0.15040E-06	482976.2	3733923.4	435.0	0.00	4.00	3.25
YES								
L0001820	0	0.15040E-06	482984.8	3733923.3	435.0	0.00	4.00	3.25
YES								
L0001821	0	0.15040E-06	482993.4	3733923.2	435.0	0.00	4.00	3.25
YES								
L0001822	0	0.15040E-06	483002.0	3733923.1	435.0	0.00	4.00	3.25
YES								
L0001823	0	0.15040E-06	483010.6	3733923.0	435.0	0.00	4.00	3.25
YES								
L0001824	0	0.15040E-06	483019.2	3733922.9	435.0	0.00	4.00	3.25
YES								
L0001825	0	0.15040E-06	483027.8	3733922.8	435.0	0.00	4.00	3.25
YES								
L0001826	0	0.15040E-06	483036.4	3733922.7	435.0	0.00	4.00	3.25
YES								
L0001827	0	0.15040E-06	483045.0	3733922.6	435.0	0.00	4.00	3.25
YES								
L0001828	0	0.15040E-06	483053.5	3733922.5	435.0	0.00	4.00	3.25
YES								
L0001829	0	0.15040E-06	483062.1	3733922.4	435.0	0.00	4.00	3.25
YES								
L0001830	0	0.15040E-06	483070.7	3733922.3	435.0	0.00	4.00	3.25
YES								
L0001831	0	0.15040E-06	483079.3	3733922.2	435.0	0.00	4.00	3.25
YES								
L0001832	0	0.15040E-06	483087.9	3733922.1	435.0	0.00	4.00	3.25
YES								
L0001833	0	0.15040E-06	483096.5	3733922.0	435.0	0.00	4.00	3.25
YES								
L0001834	0	0.15040E-06	483105.1	3733921.9	435.2	0.00	4.00	3.25
YES								
L0001835	0	0.15040E-06	483113.7	3733921.9	435.4	0.00	4.00	3.25
YES								
L0001836	0	0.15040E-06	483122.3	3733921.8	435.7	0.00	4.00	3.25
YES								
L0001837	0	0.15040E-06	483130.9	3733921.7	436.0	0.00	4.00	3.25
YES								
L0001838	0	0.15040E-06	483139.4	3733921.6	436.0	0.00	4.00	3.25
YES								
L0001839	0	0.15040E-06	483148.0	3733921.5	436.0	0.00	4.00	3.25
YES								
L0001840	0	0.15040E-06	483156.6	3733921.4	436.0	0.00	4.00	3.25
YES								
L0001841	0	0.15040E-06	483165.2	3733921.3	436.0	0.00	4.00	3.25
YES								
L0001842	0	0.15040E-06	483173.8	3733921.2	436.0	0.00	4.00	3.25
YES								
L0001843	0	0.15040E-06	483182.4	3733921.2	436.0	0.00	4.00	3.25
YES								
L0001844	0	0.15040E-06	483191.0	3733921.2	436.0	0.00	4.00	3.25
YES								
L0001845	0	0.15040E-06	483199.6	3733921.2	436.0	0.00	4.00	3.25
YES								
L0001846	0	0.15040E-06	483208.2	3733921.2	436.0	0.00	4.00	3.25
YES								
L0001847	0	0.15040E-06	483216.8	3733921.2	436.0	0.00	4.00	3.25
YES								
L0001848	0	0.15040E-06	483225.3	3733921.2	436.0	0.00	4.00	3.25
YES								
L0001849	0	0.15040E-06	483233.3	3733920.6	436.0	0.00	4.00	3.25
YES								
L0001850	0	0.15040E-06	483233.1	3733912.1	436.0	0.00	4.00	3.25

YES
 L0001851 0 0.15040E-06 483232.8 3733903.5 436.0 0.00 4.00 3.25
 YES
 L0001852 0 0.15040E-06 483232.5 3733894.9 436.0 0.00 4.00 3.25
 YES
 L0001853 0 0.15040E-06 483232.2 3733886.3 436.0 0.00 4.00 3.25
 YES
 L0001854 0 0.15040E-06 483232.0 3733877.7 436.0 0.00 4.00 3.25
 YES
 L0001855 0 0.15040E-06 483231.7 3733869.1 436.0 0.00 4.00 3.25
 YES
 L0001856 0 0.15040E-06 483231.4 3733860.5 436.0 0.00 4.00 3.25
 YES

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY						
L0001857	0	0.15040E-06	483231.2	3733851.9	436.0	0.00	4.00	3.25
YES								
L0001858	0	0.15040E-06	483230.9	3733843.4	436.0	0.00	4.00	3.25
YES								
L0001859	0	0.15040E-06	483230.6	3733834.8	436.0	0.00	4.00	3.25
YES								
L0001860	0	0.15040E-06	483230.4	3733826.2	436.0	0.00	4.00	3.25
YES								
L0001861	0	0.15040E-06	483230.1	3733817.6	436.0	0.00	4.00	3.25
YES								
L0001862	0	0.15040E-06	483229.8	3733809.0	436.0	0.00	4.00	3.25
YES								
L0001863	0	0.15040E-06	483229.6	3733800.4	436.0	0.00	4.00	3.25
YES								
L0001864	0	0.15040E-06	483229.3	3733791.8	436.0	0.00	4.00	3.25
YES								
L0001865	0	0.15040E-06	483229.0	3733783.3	436.0	0.00	4.00	3.25
YES								
L0001866	0	0.15040E-06	483228.8	3733774.7	436.0	0.00	4.00	3.25
YES								
L0001867	0	0.15040E-06	483228.5	3733766.1	436.0	0.00	4.00	3.25
YES								
L0001868	0	0.15040E-06	483229.0	3733758.3	436.0	0.00	4.00	3.25
YES								
L0001869	0	0.15040E-06	483237.5	3733758.9	436.0	0.00	4.00	3.25
YES								
L0001870	0	0.15040E-06	483246.1	3733759.5	436.0	0.00	4.00	3.25
YES								
L0001871	0	0.15040E-06	483249.9	3733764.6	436.0	0.00	4.00	3.25
YES								
L0001872	0	0.15040E-06	483250.0	3733773.2	436.0	0.00	4.00	3.25
YES								
L0001873	0	0.15040E-06	483250.1	3733781.8	436.0	0.00	4.00	3.25

L0001897	0	0.47640E-07	482876.3	3733856.0	435.0	3.49	4.00	3.25
YES								
L0001898	0	0.47640E-07	482876.3	3733847.4	435.0	3.49	4.00	3.25
YES								
L0001899	0	0.47640E-07	482876.3	3733838.9	435.0	3.49	4.00	3.25
YES								
L0001900	0	0.47640E-07	482876.3	3733830.3	435.0	3.49	4.00	3.25
YES								
L0001901	0	0.47640E-07	482876.3	3733821.7	435.0	3.49	4.00	3.25
YES								
L0001902	0	0.47640E-07	482876.3	3733813.1	435.0	3.49	4.00	3.25
YES								
L0001903	0	0.47640E-07	482876.3	3733804.5	435.0	3.49	4.00	3.25
YES								
L0001904	0	0.47640E-07	482876.4	3733795.9	435.0	3.49	4.00	3.25
YES								
L0001905	0	0.47640E-07	482876.4	3733787.3	435.0	3.49	4.00	3.25
YES								
L0001906	0	0.47640E-07	482876.4	3733778.7	435.0	3.49	4.00	3.25
YES								
L0001907	0	0.47640E-07	482876.4	3733770.1	435.0	3.49	4.00	3.25
YES								
L0001908	0	0.47640E-07	482876.4	3733761.5	435.0	3.49	4.00	3.25
YES								
L0001909	0	0.47640E-07	482876.4	3733753.0	435.0	3.49	4.00	3.25
YES								
L0001910	0	0.47640E-07	482876.4	3733744.4	435.0	3.49	4.00	3.25
YES								
L0001911	0	0.47640E-07	482876.5	3733735.8	435.0	3.49	4.00	3.25
YES								
L0001912	0	0.47640E-07	482876.5	3733727.2	435.0	3.49	4.00	3.25
YES								
L0001913	0	0.47640E-07	482876.5	3733718.6	435.0	3.49	4.00	3.25
YES								
L0001914	0	0.47640E-07	482876.5	3733710.0	435.0	3.49	4.00	3.25
YES								
L0001915	0	0.47640E-07	482876.5	3733701.4	435.0	3.49	4.00	3.25
YES								
L0001916	0	0.47640E-07	482876.5	3733692.8	435.0	3.49	4.00	3.25
YES								
L0001917	0	0.47640E-07	482876.5	3733684.2	435.0	3.49	4.00	3.25
YES								
L0001918	0	0.70750E-07	482876.6	3733782.8	435.0	3.49	4.00	3.25
YES								
L0001919	0	0.70750E-07	482876.6	3733774.3	435.0	3.49	4.00	3.25
YES								
L0001920	0	0.70750E-07	482876.6	3733765.7	435.0	3.49	4.00	3.25
YES								
L0001921	0	0.70750E-07	482876.7	3733757.1	435.0	3.49	4.00	3.25
YES								
L0001922	0	0.70750E-07	482876.7	3733748.5	435.0	3.49	4.00	3.25
YES								
L0001923	0	0.70750E-07	482876.7	3733739.9	435.0	3.49	4.00	3.25
YES								
L0001924	0	0.70750E-07	482876.7	3733731.3	435.0	3.49	4.00	3.25
YES								
L0001925	0	0.70750E-07	482876.8	3733722.7	435.0	3.49	4.00	3.25
YES								
L0001926	0	0.70750E-07	482876.8	3733714.1	435.0	3.49	4.00	3.25
YES								
L0001927	0	0.70750E-07	482876.8	3733705.5	435.0	3.49	4.00	3.25
YES								
L0001928	0	0.70750E-07	482876.9	3733696.9	435.0	3.49	4.00	3.25
YES								
L0001929	0	0.70750E-07	482876.9	3733688.4	435.0	3.49	4.00	3.25

L0001977	0	0.11700E-06	482478.9	3733673.6	434.0	3.49	4.00	3.25
YES								
L0001978	0	0.11700E-06	482470.3	3733673.7	434.0	3.49	4.00	3.25
YES								
L0001979	0	0.11700E-06	482461.8	3733673.9	434.0	3.49	4.00	3.25
YES								
L0001980	0	0.11700E-06	482453.2	3733674.0	434.0	3.49	4.00	3.25
YES								
L0001981	0	0.11700E-06	482444.6	3733674.1	434.0	3.49	4.00	3.25
YES								
L0001982	0	0.11700E-06	482436.0	3733674.3	434.0	3.49	4.00	3.25
YES								
L0001983	0	0.11700E-06	482427.4	3733674.4	434.0	3.49	4.00	3.25
YES								
L0001984	0	0.11700E-06	482418.8	3733674.6	434.0	3.49	4.00	3.25
YES								
L0001985	0	0.11700E-06	482410.2	3733674.7	434.0	3.49	4.00	3.25
YES								
L0001986	0	0.11700E-06	482401.6	3733674.8	434.0	3.49	4.00	3.25
YES								
L0001987	0	0.11700E-06	482393.0	3733675.0	434.0	3.49	4.00	3.25
YES								
L0001988	0	0.11700E-06	482384.5	3733675.1	434.0	3.49	4.00	3.25
YES								
L0001989	0	0.11700E-06	482375.9	3733675.2	434.0	3.49	4.00	3.25
YES								
L0001990	0	0.11700E-06	482367.3	3733675.4	433.9	3.49	4.00	3.25
YES								
L0001991	0	0.11700E-06	482358.7	3733675.5	433.8	3.49	4.00	3.25
YES								
L0001992	0	0.11700E-06	482350.1	3733675.6	433.7	3.49	4.00	3.25
YES								
L0001993	0	0.11700E-06	482341.5	3733675.8	433.5	3.49	4.00	3.25
YES								

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

SRCGROUP ID	SOURCE IDs
ALL L0001743	L0001737 , L0001738 , L0001739 , L0001740 , L0001741 , L0001742 , L0001744 ,
	L0001745 , L0001746 , L0001747 , L0001748 , L0001749 , L0001750 , L0001751 , L0001752 ,
	L0001753 , L0001754 , L0001755 , L0001756 , L0001757 , L0001758 , L0001759 , L0001760 ,
	L0001761 , L0001762 , L0001763 , L0001764 , L0001765 , L0001766 , L0001767 , L0001768 ,
	L0001769 , L0001770 , L0001771 , L0001772 , L0001773 , L0001774 , L0001775 , L0001776 ,

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L0001777 , L0001778 , L0001779 , L0001780 , L0001781 , L0001782 ,
L0001783 , L0001784 ,

L0001785 , L0001786 , L0001787 , L0001788 , L0001789 , L0001790 ,
L0001791 , L0001792 ,

L0001793 , L0001794 , L0001795 , L0001796 , L0001797 , L0001798 ,
L0001799 , L0001800 ,

L0001801 , L0001802 , L0001803 , L0001804 , L0001805 , L0001806 ,
L0001807 , L0001808 ,

L0001809 , L0001810 , L0001811 , L0001812 , L0001813 , L0001814 ,
L0001815 , L0001816 ,

L0001817 , L0001818 , L0001819 , L0001820 , L0001821 , L0001822 ,
L0001823 , L0001824 ,

L0001825 , L0001826 , L0001827 , L0001828 , L0001829 , L0001830 ,
L0001831 , L0001832 ,

L0001833 , L0001834 , L0001835 , L0001836 , L0001837 , L0001838 ,
L0001839 , L0001840 ,

L0001841 , L0001842 , L0001843 , L0001844 , L0001845 , L0001846 ,
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L0001849 , L0001850 , L0001851 , L0001852 , L0001853 , L0001854 ,
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L0001857 , L0001858 , L0001859 , L0001860 , L0001861 , L0001862 ,
L0001863 , L0001864 ,

L0001865 , L0001866 , L0001867 , L0001868 , L0001869 , L0001870 ,
L0001871 , L0001872 ,

L0001873 , L0001874 , L0001875 , L0001876 , L0001877 , L0001878 ,
L0001879 , L0001880 ,

L0001881 , L0001882 , L0001883 , L0001884 , L0001885 , L0001886 ,
L0001887 , L0001888 ,

L0001889 , L0001890 , L0001891 , L0001892 , L0001893 , L0001894 ,
L0001895 , L0001896 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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L0001897 , L0001898 , L0001899 , L0001900 , L0001901 , L0001902 ,
L0001903 , L0001904 ,

L0001905 , L0001906 , L0001907 , L0001908 , L0001909 , L0001910 ,
L0001911 , L0001912 ,

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L0001913 , L0001914 , L0001915 , L0001916 , L0001917 , L0001918 ,
L0001919 , L0001920 , ,
L0001921 , L0001922 , L0001923 , L0001924 , L0001925 , L0001926 ,
L0001927 , L0001928 , ,
L0001929 , L0001930 , L0001931 , L0001932 , L0001933 , L0001934 ,
L0001935 , L0001936 , ,
L0001937 , L0001938 , L0001939 , L0001940 , L0001941 , L0001942 ,
L0001943 , L0001944 , ,
L0001945 , L0001946 , L0001947 , L0001948 , L0001949 , L0001950 ,
L0001951 , L0001952 , ,
L0001953 , L0001954 , L0001955 , L0001956 , L0001957 , L0001958 ,
L0001959 , L0001960 , ,
L0001961 , L0001962 , L0001963 , L0001964 , L0001965 , L0001966 ,
L0001967 , L0001968 , ,
L0001969 , L0001970 , L0001971 , L0001972 , L0001973 , L0001974 ,
L0001975 , L0001976 , ,
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L0001983 , L0001984 , ,
L0001985 , L0001986 , L0001987 , L0001988 , L0001989 , L0001990 ,
L0001991 , L0001992 , ,

L0001993 , STCK1 , STCK2 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
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L0001744	2189641. L0001742	L0001737 , L0001738 , L0001739 , L0001740 , L0001741 , , L0001743 ,
	L0001745 , L0001746 , L0001747 , L0001748 , L0001749 , L0001750 , L0001751 , L0001752 ,	
	L0001753 , L0001754 , L0001755 , L0001756 , L0001757 , L0001758 , L0001759 , L0001760 ,	
	L0001761 , L0001762 , L0001763 , L0001764 , L0001765 , L0001766 , L0001767 , L0001768 ,	
	L0001769 , L0001770 , L0001771 , L0001772 , L0001773 , L0001774 , L0001775 , L0001776 ,	
	L0001777 , L0001778 , L0001779 , L0001780 , L0001781 , L0001782 , L0001783 , L0001784 ,	
	L0001785 , L0001786 , L0001787 , L0001788 , L0001789 , L0001790 ,	

L0001791 , L0001792 ,

L0001793 , L0001794 , L0001795 , L0001796 , L0001797 , L0001798 ,
L0001799 , L0001800 ,

L0001801 , L0001802 , L0001803 , L0001804 , L0001805 , L0001806 ,
L0001807 , L0001808 ,

L0001809 , L0001810 , L0001811 , L0001812 , L0001813 , L0001814 ,
L0001815 , L0001816 ,

L0001817 , L0001818 , L0001819 , L0001820 , L0001821 , L0001822 ,
L0001823 , L0001824 ,

L0001825 , L0001826 , L0001827 , L0001828 , L0001829 , L0001830 ,
L0001831 , L0001832 ,

L0001833 , L0001834 , L0001835 , L0001836 , L0001837 , L0001838 ,
L0001839 , L0001840 ,

L0001841 , L0001842 , L0001843 , L0001844 , L0001845 , L0001846 ,
L0001847 , L0001848 ,

L0001849 , L0001850 , L0001851 , L0001852 , L0001853 , L0001854 ,
L0001855 , L0001856 ,

L0001857 , L0001858 , L0001859 , L0001860 , L0001861 , L0001862 ,
L0001863 , L0001864 ,

L0001865 , L0001866 , L0001867 , L0001868 , L0001869 , L0001870 ,
L0001871 , L0001872 ,

L0001873 , L0001874 , L0001875 , L0001876 , L0001877 , L0001878 ,
L0001879 , L0001880 ,

L0001881 , L0001882 , L0001883 , L0001884 , L0001885 , L0001886 ,
L0001887 , L0001888 ,

L0001889 , L0001890 , L0001891 , L0001892 , L0001893 , L0001894 ,
L0001895 , L0001896 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0001897	, L0001898	, L0001899	, L0001900	, L0001901	, L0001902	,	
L0001903	, L0001904	,					
L0001905	, L0001906	, L0001907	, L0001908	, L0001909	, L0001910	,	
L0001911	, L0001912	,					
L0001913	, L0001914	, L0001915	, L0001916	, L0001917	, L0001918	,	
L0001919	, L0001920	,					
L0001921	, L0001922	, L0001923	, L0001924	, L0001925	, L0001926	,	
L0001927	, L0001928	,					

L0001929 , L0001930 , L0001931 , L0001932 , L0001933 , L0001934 ,
L0001935 , L0001936 ,

L0001937 , L0001938 , L0001939 , L0001940 , L0001941 , L0001942 ,
L0001943 , L0001944 ,

L0001945 , L0001946 , L0001947 , L0001948 , L0001949 , L0001950 ,
L0001951 , L0001952 ,

L0001953 , L0001954 , L0001955 , L0001956 , L0001957 , L0001958 ,
L0001959 , L0001960 ,

L0001961 , L0001962 , L0001963 , L0001964 , L0001965 , L0001966 ,
L0001967 , L0001968 ,

L0001969 , L0001970 , L0001971 , L0001972 , L0001973 , L0001974 ,
L0001975 , L0001976 ,

L0001977 , L0001978 , L0001979 , L0001980 , L0001981 , L0001982 ,
L0001983 , L0001984 ,

L0001985 , L0001986 , L0001987 , L0001988 , L0001989 , L0001990 ,
L0001991 , L0001992 ,

L0001993 , STCK1 , STCK2 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW7) *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .1000E+01 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = WEDNESDY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW7) *

SOURCE ID = STCK2 ; SOURCE TYPE = POINT :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .1000E+01 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = WEDNESDY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(483120.1, 3733660.2, 435.0, 435.0, 0.0); (483289.4, 3733778.1,
436.0, 436.0, 0.0);
(483289.7, 3733875.8, 436.0, 436.0, 0.0); (483232.9, 3733971.1,
436.0, 436.0, 0.0);
(483196.4, 3733935.4, 436.0, 436.0, 0.0); (482905.1, 3733998.1,
435.0, 435.0, 0.0);
(482945.4, 3733647.3, 435.0, 435.0, 0.0); (482845.7, 3733633.3,
435.0, 435.0, 0.0);
(484104.9, 3733910.1, 441.0, 441.0, 0.0); (484128.8, 3733930.1,
441.3, 441.3, 0.0);
(484108.8, 3733983.3, 441.4, 441.4, 0.0); (482693.6, 3734103.5,
434.0, 434.0, 0.0);
(483303.9, 3733791.8, 436.0, 436.0, 0.0); (483300.5, 3733832.0,
436.0, 436.0, 0.0);
(483301.6, 3733877.8, 436.0, 436.0, 0.0); (483303.4, 3733903.6,
436.0, 436.0, 0.0);
(483304.6, 3733955.9, 436.0, 436.0, 0.0); (483338.4, 3733979.7,
436.9, 436.9, 0.0);
(483293.2, 3733760.0, 436.0, 436.0, 0.0); (483292.0, 3733686.8,
436.0, 436.0, 0.0);
(483334.0, 3734120.6, 436.8, 436.8, 0.0); (483312.8, 3734143.7,
436.1, 436.1, 0.0);
(483031.0, 3734054.5, 435.0, 435.0, 0.0); (483376.1, 3734009.4,
437.0, 437.0, 0.0);
(483301.6, 3733714.8, 436.0, 436.0, 0.0); (483364.5, 3733652.7,
436.0, 436.0, 0.0);
(482964.7, 3734017.4, 435.0, 435.0, 0.0); (482964.4, 3734035.3,
435.0, 435.0, 0.0);
(483036.0, 3734094.1, 435.0, 435.0, 0.0); (482918.1, 3734083.4,
435.0, 435.0, 0.0);

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													
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30		
335.	9.1	282.5	5.5														
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90		
142.	9.1	280.9	5.5														
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90		
324.	9.1	280.4	5.5														
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40		
294.	9.1	278.8	5.5														
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90		
205.	9.1	278.1	5.5														
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40		
3.	9.1	277.0	5.5														
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30		
99.	9.1	277.0	5.5														
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90		
319.	9.1	278.8	5.5														
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90		
239.	9.1	284.2	5.5														
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40		
188.	9.1	289.2	5.5														
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70		
310.	9.1	290.9	5.5														
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20		
357.	9.1	293.1	5.5														
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20		
356.	9.1	293.8	5.5														
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20		
50.	9.1	294.2	5.5														
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80		
53.	9.1	293.8	5.5														
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80		
11.	9.1	292.5	5.5														
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90		
351.	9.1	290.4	5.5														
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90		
186.	9.1	287.5	5.5														
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90		
275.	9.1	285.9	5.5														
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40		
181.	9.1	285.4	5.5														
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30		
318.	9.1	284.9	5.5														
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90		
196.	9.1	283.1	5.5														
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90		
330.	9.1	281.4	5.5														
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30		
332.	9.1	280.9	5.5														

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001737 , L0001738 ,
L0001739 , L0001740 , L0001741 ,
L0001742 , L0001743 , L0001744 , L0001745 , L0001746 ,
L0001747 , L0001748 , L0001749 ,
L0001750 , L0001751 , L0001752 , L0001753 , L0001754 ,
L0001755 , L0001756 , L0001757 ,
L0001758 , L0001759 , L0001760 , L0001761 , L0001762 ,
L0001763 , L0001764 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN **
MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
483120.12	3733660.19	0.00303	483289.42	
3733778.15	0.00478			
483289.67	3733875.83	0.00481	483232.88	
3733971.13	0.00342			
483196.37	3733935.41	0.00774	482905.11	
3733998.15	0.00248			
482945.39	3733647.28	0.00321	482845.73	
3733633.26	0.00229			
484104.90	3733910.11	0.00015	484128.78	
3733930.14	0.00014			
484108.75	3733983.28	0.00014	482693.57	
3734103.53	0.00064			
483303.87	3733791.80	0.00394	483300.45	
3733832.03	0.00436			
483301.59	3733877.75	0.00389	483303.42	
3733903.58	0.00336			
483304.56	3733955.92	0.00233	483338.39	
3733979.69	0.00157			
483293.17	3733760.02	0.00408	483292.01	
3733686.85	0.00243			
483334.00	3734120.59	0.00083	483312.78	
3734143.67	0.00081			
483031.00	3734054.50	0.00193	483376.10	
3734009.36	0.00111			
483301.59	3733714.82	0.00274	483364.53	
3733652.69	0.00131			
482964.67	3734017.41	0.00255	482964.39	
3734035.32	0.00217			
483036.02	3734094.07	0.00149	482918.10	
3734083.37	0.00141			
483381.46	3734038.47	0.00097	483420.31	
3734067.44	0.00076			
483410.44	3734096.75			
0.00072				

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*** *** 11:18:27

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS

** CONC OF DPM IN
MICROGRAMS/M**3 **

GROUP ID ZFLAG)	NETWORK OF TYPE GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL,
ALL 436.00,	1ST HIGHEST VALUE IS 0.00) DC	0.00774 AT (483196.37,	3733935.41, 436.00,
	2ND HIGHEST VALUE IS 436.00, 0.00) DC	0.00481 AT (483289.67,	3733875.83, 436.00,
	3RD HIGHEST VALUE IS 436.00, 0.00) DC	0.00478 AT (483289.42,	3733778.15, 436.00,
	4TH HIGHEST VALUE IS 436.00, 0.00) DC	0.00436 AT (483300.45,	3733832.03, 436.00,
	5TH HIGHEST VALUE IS 436.00, 0.00) DC	0.00408 AT (483293.17,	3733760.02, 436.00,
	6TH HIGHEST VALUE IS 436.00, 0.00) DC	0.00394 AT (483303.87,	3733791.80, 436.00,
	7TH HIGHEST VALUE IS 436.00, 0.00) DC	0.00389 AT (483301.59,	3733877.75, 436.00,
	8TH HIGHEST VALUE IS 436.00, 0.00) DC	0.00342 AT (483232.88,	3733971.13, 436.00,
	9TH HIGHEST VALUE IS 436.00, 0.00) DC	0.00336 AT (483303.42,	3733903.58, 436.00,
	10TH HIGHEST VALUE IS 435.00, 0.00) DC	0.00321 AT (482945.39,	3733647.28, 435.00,

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 6 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

SO W320	687	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	688	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
ME W186	759	MEOOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	759	MEOOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

*** AERMOD Finishes Successfully ***

3.0 Draft EIR Revisions/Errata

Comments that were received on the Draft EIR during the public review period, in addition to the one late comment, have resulted in minor errata/revisions to the text of the Draft EIR and are stated in this section of the Final EIR. The Draft EIR text, tables, and figures have not been modified and published in its entirety as a single document to reflect these Draft EIR modifications. These textual changes to the Draft EIR were determined by the City not to be “substantial revision” as defined in Section 15088.5 of the State CEQA Guidelines. Therefore, recirculation of the Draft EIR is not required.

The modifications contained in the following pages in the same order as the information appears in the Draft EIR. Changes in text are signified by strikethrough (~~example text~~) where text has been removed and by single underline (example text) where text has been added and double underline (example text) where newly added text has been modified. The applicable section numbers and/or page numbers from the Draft EIR are also provided where necessary for easy reference.

3.1 Section 1.0 – Executive Summary

In response to a comment regarding the consistency with the Good Neighbor Guidelines, subheadings have been added to *Section 1.10.1 – Good Neighbor Guidelines* of the Draft EIR pages 1.0-35 – 1.0-39 to help identify applicable policy recommendations associated with each specific goal.

The language of Goal 2.7 below, has been modified. This is not as a result of a comment, but simply to provide clarification as to the timing of tenant improvements related to solar improvements:

The City of Perris adopted the City of Perris Good Neighbor Guidelines for Siting New and/or Modified Industrial Facilities in September 2022 that aim to balance economic growth, industrial development, and business success while implementing methods for the reduction of potential negative impacts on sensitive receptors. The City of Perris Good Neighbor Guidelines goals and recommended policies formalize what is expected from industrial development, particularly those closer to sensitive receptors.

The following list contains the recommended policies from the Perris Good Neighbor Guidelines that are applicable to the Project and would be implemented:

Recommended Policies - Goal #1: Protect the Neighborhood Characteristics of the urban, rural, and suburban communities.

1. Any industrial project over 400,000 square feet in size or requiring the preparation of an Environmental Impact Report (EIR) shall be designed to meet the requirements of LEED Silver Certification whether or not certification is pursued. Documentation shall be provided to the City demonstrating compliance.
2. Building massing shall be consistent with the City's Industrial Design Guidelines to reduce visual dominance on adjacent/nearby sensitive receptors.
3. When possible, locate driveways, loading docks, and internal circulation routes away from sensitive receptors.
4. Truck loading bays and drive aisles shall be designed to minimize truck noise.
5. All lighting used in conjunction with a warehouse/ distribution facility operation shall be directed down into the interior of the site and not spill over onto adjacent properties.
6. If a public address (PA) system is being used in conjunction with a warehouse/distribution facility operation, the PA system shall be oriented away from sensitive receptors and the volume set at a level not readily audible past the property line.
7. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any vacant lot or unimproved nonresidential property in the city.
8. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any vacant lot or unimproved Commercially zoned property for the purpose other than doing business at the site, and/or remaining parked or standing for longer than reasonably appropriate to do such business, in accordance with the Perris Municipal Code.
9. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any highway, street or road which is adjacent to a parcel upon which there exists a public facility.
10. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any highway, street, road, alley, or private property within any residential district in the City, in accordance with the Perris Municipal Code.

11. It is unlawful to park or leave standing any vehicle on any highway, street, road, or alley within the city for the purpose of servicing or repairing such vehicle except when necessitated by an emergency. Comply with the Perris Municipal Code regarding parking limitations for commercial vehicles greater than 10,000 pounds or more.
12. Warehouse/ distribution facilities shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks away from sensitive receptors. Commercial trucks shall not be parked in the public right of way or nearby residential areas, in accordance with the Perris Municipal Code and Specific Plans.
13. No parking shall be permitted in the landscape setback area.
14. Provide signage or flyers identifying where the closest restaurant, lodging, fueling stations, truck repair facilities, and entertainment can be found.
15. Facility operators shall post signs in prominent locations indicating that off-site parking for any employee, truck, or other operation related vehicle is strictly prohibited.
16. Signs shall be installed at all truck exit driveways directing truck drivers to the truck route as indicated in the City approved Truck Routing Plan and State Highway System to minimize potential impacts on sensitive receptors.
17. Signs shall be installed in public view with contact information of facility operator and SCAQMD for complaints related to excessive dust, fumes, or odors, and truck and parking complaints. Any complaints made to the facility operator shall be answered within 72 hours of receipt.
18. Signs should be posted in the appropriate locations indicating that parking and maintenance of all trucks shall be conducted within designated areas and not within the surrounding community or on public streets.
19. Signs and drive aisle pavement markings shall clearly identify the onsite circulation pattern to minimize unnecessary on site vehicular travel.
- ~~20. All signs shall be legible, durable, and weather proof. Posted signage would include:
 - a. Signs shall be installed to identify onsite circulation and off-site parking prohibitions and should identify designated areas for parking and maintenance.
 - b. Signs shall be installed at all truck exit driveways directing truck drivers to the truck route as indicated in the City approved Truck Routing Plan and State Highway System to minimize potential impacts on sensitive receptors.
 - c. Signs shall be installed in public view with contact information of facility operator and SCAQMD for complaints related to excessive dust, fumes, or odors, and truck and parking complaints. Any complaints made to the facility operator shall be answered within 72 hours of receipt.~~
20. The developer shall plant one 24-inch box tree per 2,500 square feet of building size including irrigation lines and controllers at an off-site location to be determined by the City (i.e., City right-of-way, parks, etc.) or provide funding equivalent to such cost at the discretion of the City, prior to issuance of the building permit.

Recommended Policies - Goal #2: Minimize exposure of diesel emissions to neighbors that are situated in close proximity to the warehouse/distribution center.

1. Minimize the air quality impacts of trucks on sensitive receptors by:
 - a) Restricting diesel engine and construction equipment idling to 5 minutes or less (SCAQMD Rule 2485). A driver of a vehicle shall turn off the engine upon stopping at a destination.

- b) Designing facilities with adequate on-site queuing for trucks and away from sensitive receptors and preventing queuing of trucks on surrounding public streets.
 - c) Providing ingress and egress for trucks away from sensitive receptors and locate loading docks and internal circulation away from sensitive receptors.
 - d) For buildings with 50 or more dock high doors, a site plan is required identifying a planned location for future electric truck charging stations and installation of raceway for conduit to that location. A ratio of one charging station shall be required for every 50 dock high doors.
 - e) On site equipment, such as forklifts, shall be ZE (Zero Emissions) with the necessary electrical charging stations provided or be powered by alternative technology.
 - f) Passenger vehicles parking should be separated from enclosed truck parking/truck court and have separate primary access.
 - g) At least 10 percent of all passenger vehicle parking spaces shall be electric vehicle (EV) ready. At least 5 percent of all passenger vehicle parking spaces shall be equipped with working Level 2 Quick charge EV charging stations installed and operational, prior to issuance of a certificate of occupancy. Signage shall be installed indicating EV charging stations and that spaces are reserved for clean air/EV vehicles.
 - h) Encouraging replacement of diesel fleets with new model vehicles.
 - i) Preventing the queuing of trucks on streets or elsewhere outside the warehouse facility or near sensitive receptor.
 - j) Promoting the installation of on-site electric hook-ups to eliminate idling of main and auxiliary engines during loading and unloading of cargo and when trucks are not in use – especially where transport refrigeration units (TRUs) are proposed to be used.
2. No operation shall be permitted which emits odorous gases or other odorous matter in such quantities as to be dangerous, injurious, noxious, or otherwise objectionable to a level that is detectable with or without the aid of instruments at or beyond the lot line of the property containing said operation or activity.
 3. Avoid locating exits and entries near sensitive receptors.
 4. On-site speed bumps shall not be allowed, except at security/entry gates.
 5. Warehouses greater than 100,000 square feet are required to directly reduce nitrogen and diesel particulate matter emissions (SCAQMD Rule 2305).
 6. On site motorized operational equipment shall be ZE (Zero Emissions).
 7. Buildings over 400,000 square feet shall install solar panels so 100 percent of the power is supplied to the office area of the facility unless it is restricted due to the March Air Force Base Accident Potential Zone. Improvements for solar capability shall be limited to meet the minimum necessary requirements for the speculative building. Solar panel installation ensuring 100 percent of power is supplied to the office area, shall be provided prior to occupancy, once a specific tenant has been identified.
 8. Truck operators with TRUs shall be required to utilize electric plug-in units when at loading docks. ~~Equipment operator of a TRU shall not cause a TRU to operate while stationary unless the vehicle is lawfully parked and not within 500 feet of a school, unless the operator is actively engaged in the process of loading or unloading cargo or is waiting in a queue to load or unload for a period not to exceed 2 hours.~~
 9. Pursuant to CARB's Truck and Bus Regulation, facility operators shall maintain records of their facility owned and operated fleet equipment and ensure that all diesel fueled Medium-Heavy Duty Trucks (MHDT) and Heavy-Heavy Duty (HHD) trucks with a gross vehicle weight

- rating greater than 19,500 pounds use year CARB compliant 2010 or newer engines. Records should be made available to the City of Perris.
10. Facility operators shall coordinate with CARB and SCAQMD to obtain the latest information about regional air quality concentrations, health risks, and trucking regulations.
 11. Equipment operator of a TRU (Transportation Refrigeration Unit) shall not cause a TRU to operate while stationary unless the vehicle is lawfully parked and not within 500 feet of a school, unless the operator is actively engaged in the process of loading or unloading cargo or is waiting in a queue to load or unload for a period not to exceed 2 hours.
 12. Require low energy use features, low water use features, all-electric vehicles (EV) parking spaces and charging facility, carpool/vanpool parking spaces, and short- and long-term bicycle parking facilities (Title 24 of the California Code of Regulations – CALGreen).
 13. Post signs requiring to turn off truck engines when not in use.

Recommended Policies - Goal #3: Eliminate diesel trucks from unnecessary traversing through residential neighborhoods.

1. The facility operator shall abide by the truck routing plans, consistent with the City of Perris Truck Route Plan.
2. Adequate turning movements at entrance and exit driveways shall be provided, subject to City approval.
3. Truck traffic shall be routed to impact the least number of sensitive receptors.
4. To the extent possible, establish separate entry and exit points within a warehouse/distribution facility for trucks and vehicles to minimize vehicle/truck conflicts.
5. Check in gates and/or guard booths are required to be positioned with a minimum of 150 feet inside the property line for on-site truck queuing. An additional 75 feet of on-site queuing shall be added for every 20 loading docks beyond 40 up to 300 feet. Multiple lanes (minimum lane width 12 feet) are permitted to achieve the required queuing. The general queuing and spillover of trucks onto the surrounding public streets are prohibited. Commercial trucks and/or trailers shall not be parked on the public right of way or adjacent to sensitive receptors.
6. Establish overnight parking within the warehouse/distribution center where not visible from the public right-of-way.

Recommended Policies - Goal #4: Provide Buffers between Warehouses and Sensitive Receptors.

1. A separation of at least 300 feet shall be provided, as measured from the dock doors to the nearest property line of the sensitive receptor.
2. A minimum 30-foot landscape setback shall be provided along property lines when adjacent to sensitive receptors.
3. Percentage of landscaping for projects in the General Industrial (GI) and Light Industrial Zones shall be increased from 10 and 14 to 15 percent.
4. Loading areas shall be screened with a 14-foot-high decorative block wall, architecturally consistent with the building, and an 8-foot high berming in front of the wall to soften the view of the wall from the public right of way.
- ~~• Loading areas shall be screened with a 14-foot high decorative block wall, architecturally consistent with the building, and an 8-foot high berming in front of the wall to soften the view of the wall from the public right of way.~~

5. The architecture of the building shall include at least two decorative materials (e.g., stone, brick, metal siding, etc.) and consist of a variation in plane and form, varied roof lines, pop-outs, recessed features, which are intended to result in interior and exterior areas that can be used by the general public, visitors, and employees.
6. Sites shall be densely screened with landscaping along all bordering streets and adjacent/across the street from sensitive receptors. Trees along the landscape setbacks shall be at least 48 inch box in size and range in height between 14 and 25 feet be Trees should be planted a distance of 20 feet on center. Fifty percent of the landscape screening shall include a minimum of 36-inch box, evergreen trees. Palm trees shall not be utilized.
7. All landscaping shall be irrigated for the life of the facility.
8. An additional wing wall shall be installed perpendicular to the loading dock areas, where feasible, to further attenuate noise related to truck activities and address aesthetics related to loading area when adjacent to sensitive receptors. Vines or other appropriate plant material should be planted in front of the screen walls to soften views from the street.
9. Dock doors shall be located where they are not readily visible from sensitive receptors or major roads. If it is necessary to site dock doors where they may be visible, a method to screen the dock doors shall be implemented. A combination of landscaping, berms, walls, and similar features shall be considered.
10. Require on-site signage for directional guidance to trucks entering and exiting the facility to minimize potential impacts on sensitive receptors.

Recommended Policies - Goal #5: Establish an Education Program to Inform Truckers of Health Effects of Diesel Particulate and Conduct Community Outreach to Address Residents' Concerns.

1. Provide adequate notification to all owners of real property on the latest records of the County Assessor within 500 feet of the real property or at least 25 property owners, whichever is greater, for all required public notices pertaining to a warehouse project's entitlement.
2. Facility operators shall train their managers and employees on efficient scheduling and load management and to eliminate unnecessary queuing and idling trucks. ~~and require their drivers to park and perform any maintenance of trucks in designated on-site areas and not within the surrounding community or on public streets.~~
3. Facility operators shall require their drivers to park and perform any maintenance of trucks in designated on site areas and not within the surrounding community or on public streets.
4. Facility operators for sites that exceed 250 employees shall establish a rideshare program, in accordance with SCAQMD Rule 2202, with the intent of discouraging single-occupancy vehicle trips and promote alternate modes of transportation, such as carpooling and transit where feasible.
5. Provide informational flyers and pamphlets for truck drivers about the health effects of diesel particulates and importance of being a good neighbor.
6. Encourage facility owners/management to ~~coordinate an outreach program that will educate the public and~~ have site visits with neighbors and the community to view measures taken to reduce/and or eliminate diesel particulate emissions.
7. Encourage facility owners/management to coordinate an outreach program that will educate the public.

8. Provide facility owners/management with information from CARB and SCAQMD and encourage the utilization of resources provided by those agencies.
9. Applicant shall engage in a community outreach effort to determine issues of concern during the project entitlement process.
10. Applicant and City staff should look beyond the immediate development footprint and look for opportunities to enhance the surrounding community through upgrades such as street paving, walls, bicycle lanes, bus turnouts, landscaping, and other types of infrastructure improvements.
- ~~10. Applicant and City staff should look beyond the immediate development footprint and look for opportunities to enhance the surrounding community through upgrades such as street paving, walls, bicycle lanes, bus turnouts, landscaping, and other types of infrastructure improvements.~~
11. Applicant may be required to provide a supplemental funding contribution to further offset potential air quality impacts to the community and provide a community benefit beyond any CEQA related mitigation measures.

Recommended Policies - Goal #6: Implement Construction Practice Requirements in Accordance with State Requirements to Limit Emissions and Noise Impacts from Building Demolition, Renovation, and New Construction.

1. In addition to regular construction inspections conducted by City Departments, the applicant shall provide monthly reports to the City demonstrating compliance with all the construction related policies.
2. All diesel fueled off-road construction equipment greater than 50 horsepower shall be equipped with CARB Tier 4 Compliant engines. If Tier 4 equipment is not available within 50 miles of the project site, Tier 3 or cleaner off road construction equipment may be utilized.
3. Construction contractors shall utilize construction equipment with properly operating and maintained mufflers, consistent with manufacturer's standards.
4. Construction contractors shall locate or park all stationary construction equipment away from sensitive receptors nearest the project site, to the extent practicable.
5. The surrounding streets shall be swept on a regular basis to remove any construction related debris and dirt.
6. Appropriate dust control measures that meet the SCAQMD Rule 403 standards shall be implemented for grading and construction activity. ~~Such measures shall include sweeping the surrounding streets on a regular basis to remove any construction related debris and dirt.~~
7. Construction equipment maintenance records and data sheets, as well as any other records necessary to verify compliance with CARB standards shall be kept on site and furnished to the City of Perris upon request.
8. Prepare a construction traffic control plan prior to grading, detailing the locations of equipment staging areas material stockpiles, proposed road closures, and hours of construction operations to minimize impacts to sensitive receptors.
9. Minimize noise from construction activities.
10. The maximum daily disturbance area (actively graded area) shall be determined by the Air Quality Study.
11. Use of the most readily available technology (CARB Tier 3, Tier 4 Interim, and Tier 4 Compliant equipment).

12. Designate an area of the construction site where electric-powered construction vehicles and equipment can charge if the utility provider can feasibly provide temporary power for this purpose.
13. During construction, signs are required to be in public view with contact information for a designated representative of the building occupant and an SCAQMD representative who is designated to receive complaints about excessive dust, fumes, or odors on this site.

Recommended Policies - Consistency with Goal #7: Ensure Compliance with the California Environmental Quality Act (CEQA) and State Environmental Agencies.

1. In compliance with CEQA, conduct SCAQMD California Emissions Estimator Model (CalEEMod) and Emission Factors (EMFAC) computer models to identify the significance of air quality impacts on sensitive receptors, ~~and require an air quality analysis to ensure air quality protection, in accordance with the Air Quality Management District (AQMD) guidelines, for both project specific and cumulative impact analysis.~~
2. Require an air quality analysis to ensure air quality protection, in accordance with the Air Quality Management District (AQMD) guidelines, for both project specific and cumulative impact analysis.
3. Require Health Risk Assessments for industrial uses within 1,000 feet of sensitive receptors in accordance with AQMD guidelines.
4. A Noise Impact Analysis shall be prepared to evaluate potential impacts to the neighboring properties. It shall include construction and operation noise impacts, including stationary and off- site increases to ambient noise levels.
5. Require Transportation Demand Management Measures for industrial uses with over 100 employees to reduce work related vehicle trips.
6. Require signage about CARB regulations.
7. All building roofs shall be solar-ready.
8. Require the use of low volatile organic compounds (VOC) paints and coatings (SCAQMD Rule 1113).
9. All signs shall be legible, durable, and weather-proof.

In response to a comment requesting modification to mitigation measure **MM CR-1, Table 1.0-A, Draft EIR Impact Summary Matrix/ Mitigation Monitoring Program** within *Section 1.13 – Summary of Environmental Impacts* on page 1.0-53 of the Draft EIR has been modified.

Impact	Mitigation Measure	Implementation Timing	Responsible Party	Impact After Mitigation
<p>Would the Project cause a substantial adverse change in the significance of an archeological resource pursuant to Section 15064.5? <i>The Project may result in a potentially significant impact.</i></p>	<p>MM CR-1: Archaeological Resource - Monitoring. Prior to the issuance of grading permits, the Project proponent/developer shall retain a professional archaeologist meeting the Secretary of the Interior’s Professional Standards for Archaeology (U.S. Department of Interior, 2012; Registered Professional Archaeologist preferred). The primary task of the consulting archaeologist shall be to monitor the initial ground-disturbing activities at both the subject site and any off-site project-related improvement areas for the identification of any previously unknown archaeological and/or cultural resources. Selection of the archaeologist shall be subject to the approval of the City of Perris Director of Development Services and no ground-disturbing activities shall occur at the site or within the off-site project improvement areas until the archaeologist has been approved by the City.</p> <p>The archaeologist shall be responsible for monitoring ground-disturbing activities, maintaining daily field notes and a photographic record, and for reporting all finds to the developer and the City of Perris in a timely manner. The archaeologist shall be prepared and equipped to record and salvage cultural resources that may be</p>	<p>During Construction</p>	<p>Developer / Archaeologist</p>	<p>Less than significant</p>

	<p>unearthed during ground-disturbing activities and shall be empowered to temporarily halt or divert ground-disturbing equipment within a 50-foot radius of the find to allow time for the recording and removal of the resources. Work may continue outside of the 50-foot radius.</p> <p>The Project proponent/developer shall also enter into an agreement with either the Soboba Band of Luiseño Indians, <u>or</u> the Pechanga Band of Luiseño Indians, or the Agua Caliente Band of Cahuilla Indians Native American tribal representative (observer/monitor) to work along with the consulting archaeologist. This tribal representative will assist in the identification of Native American resources and will act as a representative between the City, the Project proponent/developer, and Native American Tribal Cultural Resources Department. The Luiseño Native American tribal representative(s) should be on-site during all ground-disturbing of each portion of the project site including clearing, grubbing, tree removals, grading, trenching, etc. The Native American tribal representative(s) should be on-site any time the consulting archaeologist is required to be on-site. Working with the consulting archaeologist, the Native American representative(s) shall have the authority to halt, redirect, or divert any activities in areas where the identification, recording, or recovery of</p>			
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	<p>Native American resources are on-going.</p> <p>The agreement between the proponent/developer and the Luiseño Native American tribe shall include, but not be limited to:</p> <ul style="list-style-type: none">▪ An agreement that artifacts will be reburied on-site and in an area of permanent protection;▪ Reburial shall not occur until all cataloging and basic recordation have been completed by the consulting archaeologist;▪ Native American artifacts that cannot be avoided or relocated at the project site shall be prepared for curation at an accredited curation facility in Riverside County that meets federal standards (per 36 CFR Part 79) and available to archaeologists/researchers for further study; and▪ The Project archaeologist shall deliver the Native American artifacts, including title, to the identified curation facility within a reasonable amount of time, along with applicable fees for permanent curation. <p>The Project proponent/developer shall submit a fully executed copy of the agreement to the City of Perris Planning Division to ensure compliance with this condition of approval. Upon verification, the City of</p>			
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	<p>Perris Planning Division shall clear this condition. This agreement shall not modify any condition of approval or mitigation measure.</p> <p>In the event that archaeological resources are discovered at the Project site or within the off-site Project improvement areas, the handling of the discovered resource(s) will differ, depending on the nature of the find. Consistent with California Public Resources Code Section 21083.2(b) and Assembly Bill 52 (Chapter 532, Statutes of 2014), avoidance shall be the preferred method of preservation for Native American/tribal cultural/archaeological resources. However, it is understood that all artifacts, with the exception of human remains and related grave goods or sacred/ceremonial/religious objects, belong to the property owner. The property owner shall commit to the relinquishing and curation of all artifacts identified as being of Native American origin. All artifacts, Native American or otherwise, discovered during the monitoring program shall be recorded and inventoried by the consulting archaeologist.</p> <p>If any Native American artifacts are identified when Native American tribal representatives are not present, all reasonable measures shall be taken to protect the resource(s) in situ and the City Planning Division and Native American tribal representative(s) shall be notified. The designated Native American tribal representative will be given sufficient time to examine the</p>			
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	<p>find. If the find is determined to be of sacred or religious value, the Native American tribal representative will work with the City and project archaeologist to protect the resource in accordance with tribal requirements as may be feasible. All analysis will be undertaken in a manner that avoids destruction or other adverse impacts.</p> <p>In the event that human remains are discovered at the project site or within the off-site project improvement areas, mitigation measure MM CR-2 shall immediately apply and all items found in association with Native American human remains shall be considered grave goods or sacred in origin and subject to special handling.</p> <p>Native American artifacts that are relocated/reburied at the project site would be subject to a fully executed relocation/reburial agreement with the assisting Luiseño tribe. This shall include, but not be limited to, an agreement that artifacts will be reburied on-site and in an area of permanent protection, and that reburial shall not occur until all cataloging and basic recordation have been completed by the consulting archaeologist.</p> <p>Non-Native American artifacts shall be inventoried, assessed, and analyzed for cultural affiliation, personal affiliation (prior ownership), function, and temporal placement. Subsequent to analysis and reporting, these artifacts will be subjected to curation,</p>			
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	<p>as deemed appropriate, or returned to the property owner.</p> <p>Once grading activities have ceased and/or the archaeologist, in consultation with the designated Native American tribal representative, determines that monitoring is no longer warranted, monitoring activities can be discontinued following notification to the City of Perris Planning Division.</p> <p>A report of findings, including an itemized inventory of artifacts, shall be prepared upon completion of the tasks outlined above. The report shall include all data outlined by the Office of Historic Preservation guidelines, including a conclusion of the significance of all recovered, relocated, and reburied artifacts. A copy of the report shall also be filed with the City of Perris Planning Division, the University of California, Riverside, Eastern Information Center (EIC) and the Native American tribe(s) involved with the Project.</p>			
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3.2 Section 2.0 – Introduction

No changes were made to this Section of the Draft EIR.

3.3 Section 3.0 – Project Description

In response to a comment regarding the consistency with the Good Neighbor Guidelines, subheadings have been added to *Section 3.9.1 – City of Perris Good Neighbor Guidelines* on Draft EIR pages 3.0-35 – 3.0-39 to help identify applicable policy recommendations associated with each specific goal.

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2. Building massing shall be consistent with the City's Industrial Design Guidelines to reduce visual dominance on adjacent/nearby sensitive receptors.
3. When possible, locate driveways, loading docks, and internal circulation routes away from sensitive receptors.
4. Truck loading bays and drive aisles shall be designed to minimize truck noise.
5. All lighting used in conjunction with a warehouse/ distribution facility operation shall be directed down into the interior of the site and not spill over onto adjacent properties.
6. If a public address (PA) system is being used in conjunction with a warehouse/distribution facility operation, the PA system shall be oriented away from sensitive receptors and the volume set at a level not readily audible past the property line.
7. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any vacant lot or unimproved nonresidential property in the city.
8. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any vacant lot or unimproved Commercially zoned property for the purpose other than doing business at the site, and/or remaining parked or standing for longer than reasonably appropriate to do such business, in accordance with the Perris Municipal Code.

9. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any highway, street or road which is adjacent to a parcel upon which there exists a public facility.
10. It is unlawful to park or leave standing any commercial vehicle weighing 10,000 pounds or more on any highway, street, road, alley, or private property within any residential district in the City, in accordance with the Perris Municipal Code.
11. It is unlawful to park or leave standing any vehicle on any highway, street, road, or alley within the city for the purpose of servicing or repairing such vehicle except when necessitated by an emergency. Comply with the Perris Municipal Code regarding parking limitations for commercial vehicles greater than 10,000 pounds or more.
12. Warehouse/ distribution facilities shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks away from sensitive receptors. Commercial trucks shall not be parked in the public right of way or nearby residential areas, in accordance with the Perris Municipal Code and Specific Plans.
13. No parking shall be permitted in the landscape setback area.
14. Provide signage or flyers identifying where the closest restaurant, lodging, fueling stations, truck repair facilities, and entertainment can be found.
15. Facility operators shall post signs in prominent locations indicating that off-site parking for any employee, truck, or other operation related vehicle is strictly prohibited.
16. Signs shall be installed at all truck exit driveways directing truck drivers to the truck route as indicated in the City approved Truck Routing Plan and State Highway System to minimize potential impacts on sensitive receptors.
17. Signs shall be installed in public view with contact information of facility operator and SCAQMD for complaints related to excessive dust, fumes, or odors, and truck and parking complaints. Any complaints made to the facility operator shall be answered within 72 hours of receipt.
18. Signs should be posted in the appropriate locations indicating that parking and maintenance of all trucks shall be conducted within designated areas and not within the surrounding community or on public streets.
19. Signs and drive aisle pavement markings shall clearly identify the onsite circulation pattern to minimize unnecessary on site vehicular travel.
 - ~~a. All signs shall be legible, durable, and weather proof. Posted signage would include:~~
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20. The developer shall plant one 24-inch box tree per 2,500 square feet of building size including irrigation lines and controllers at an off-site location to be determined by the City (i.e., City right-of-way, parks, etc.) or provide funding equivalent to such cost at the discretion of the City, prior to issuance of the building permit.

Recommended Policies - Goal #2: Minimize exposure of diesel emissions to neighbors that are situated in close proximity to the warehouse/distribution center.

1. Minimize the air quality impacts of trucks on sensitive receptors by:
 - a) Restricting diesel engine and construction equipment idling to 5 minutes or less (SCAQMD Rule 2485). A driver of a vehicle shall turn off the engine upon stopping at a destination.
 - b) Designing facilities with adequate on-site queuing for trucks and away from sensitive receptors and preventing queuing of trucks on surrounding public streets.
 - c) Providing ingress and egress for trucks away from sensitive receptors and locate loading docks and internal circulation away from sensitive receptors.
 - d) For buildings with 50 or more dock high doors, a site plan is required identifying a planned location for future electric truck charging stations and installation of raceway for conduit to that location. A ratio of one charging station shall be required for every 50 dock high doors.
 - e) On site equipment, such as forklifts, shall be ZE (Zero Emissions) with the necessary electrical charging stations provided or be powered by alternative technology.
 - f) Passenger vehicles parking should be separated from enclosed truck parking/truck court and have separate primary access.
 - g) At least 10 percent of all passenger vehicle parking spaces shall be electric vehicle (EV) ready. At least 5 percent of all passenger vehicle parking spaces shall be equipped with working Level 2 Quick charge EV charging stations installed and operational, prior to issuance of a certificate of occupancy. Signage shall be installed indicating EV charging stations and that spaces are reserved for clean air/EV vehicles.
 - h) Encouraging replacement of diesel fleets with new model vehicles.
 - i) Preventing the queuing of trucks on streets or elsewhere outside the warehouse facility or near sensitive receptor.
 - j) Promoting the installation of on-site electric hook-ups to eliminate idling of main and auxiliary engines during loading and unloading of cargo and when trucks are not in use – especially where transport refrigeration units (TRUs) are proposed to be used.
2. No operation shall be permitted which emits odorous gases or other odorous matter in such quantities as to be dangerous, injurious, noxious, or otherwise objectionable to a level that is detectable with or without the aid of instruments at or beyond the lot line of the property containing said operation or activity.
3. Avoid locating exits and entries near sensitive receptors.
4. On-site speed bumps shall not be allowed, except at security/entry gates.
5. Warehouses greater than 100,000 square feet are required to directly reduce nitrogen and diesel particulate matter emissions (SCAQMD Rule 2305).
6. On site motorized operational equipment shall be ZE (Zero Emissions).
7. Buildings over 400,000 square feet shall install solar panels so 100 percent of the power is supplied to the office area of the facility unless it is restricted due to the March Air Force Base Accident Potential Zone. Improvements for solar capability shall be limited to meet the minimum necessary requirements for the speculative building. Solar panel installation ensuring 100 percent of power is supplied to the office area, shall be provided prior to occupancy, once a specific tenant has been identified.

- ~~8. Truck operators with TRUs shall be required to utilize electric plug-in units when at loading docks. Equipment operator of a TRU shall not cause a TRU to operate while stationary unless the vehicle is lawfully parked and not within 500 feet of a school, unless the operator is actively engaged in the process of loading or unloading cargo or is waiting in a queue to load or unload for a period not to exceed 2 hours.~~
9. Pursuant to CARB's Truck and Bus Regulation, facility operators shall maintain records of their facility owned and operated fleet equipment and ensure that all diesel fueled Medium-Heavy Duty Trucks (MHDT) and Heavy-Heavy Duty (HHD) trucks with a gross vehicle weight rating greater than 19,500 pounds use year CARB compliant 2010 or newer engines. Records should be made available to the City of Perris.
10. Facility operators shall coordinate with CARB and SCAQMD to obtain the latest information about regional air quality concentrations, health risks, and trucking regulations.
11. Equipment operator of a TRU (Transportation Refrigeration Unit) shall not cause a TRU to operate while stationary unless the vehicle is lawfully parked and not within 500 feet of a school, unless the operator is actively engaged in the process of loading or unloading cargo or is waiting in a queue to load or unload for a period not to exceed 2 hours.
12. Require low energy use features, low water use features, all-electric vehicles (EV) parking spaces and charging facility, carpool/vanpool parking spaces, and short- and long-term bicycle parking facilities (Title 24 of the California Code of Regulations – CALGreen).
13. Post signs requiring to turn off truck engines when not in use.

Recommended Policies - Goal #3: Eliminate diesel trucks from unnecessary traversing through residential neighborhoods.

1. The facility operator shall abide by the truck routing plans, consistent with the City of Perris Truck Route Plan.
2. Adequate turning movements at entrance and exit driveways shall be provided, subject to City approval.
3. Truck traffic shall be routed to impact the least number of sensitive receptors.
4. To the extent possible, establish separate entry and exit points within a warehouse/distribution facility for trucks and vehicles to minimize vehicle/truck conflicts.
5. Check in gates and/or guard booths are required to be positioned with a minimum of 150 feet inside the property line for on-site truck queuing. An additional 75 feet of on-site queuing shall be added for every 20 loading docks beyond 40 up to 300 feet. Multiple lanes (minimum lane width 12 feet) are permitted to achieve the required queuing. The general queuing and spillover of trucks onto the surrounding public streets are prohibited. Commercial trucks and/or trailers shall not be parked on the public right of way or adjacent to sensitive receptors.
6. Establish overnight parking within the warehouse/distribution center where not visible from the public right-of-way.

Recommended Policies - Goal #4: Provide Buffers between Warehouses and Sensitive Receptors.

1. A separation of at least 300 feet shall be provided, as measured from the dock doors to the nearest property line of the sensitive receptor.
2. A minimum 30-foot landscape setback shall be provided along property lines when adjacent to sensitive receptors.

3. Percentage of landscaping for projects in the General Industrial (GI) and Light Industrial Zones shall be increased from 10 and 14 to 15 percent.
4. Loading areas shall be screened with a 14-foot-high decorative block wall, architecturally consistent with the building, and an 8-foot high berming in front of the wall to soften the view of the wall from the public right of way.
- ~~4. Loading areas shall be screened with a 14-foot-high decorative block wall, architecturally consistent with the building, and an 8-foot high berming in front of the wall to soften the view of the wall from the public right of way.~~
5. The architecture of the building shall include at least two decorative materials (e.g., stone, brick, metal siding, etc.) and consist of a variation in plane and form, varied roof lines, pop-outs, recessed features, which are intended to result in interior and exterior areas that can be used by the general public, visitors, and employees.
6. Sites shall be densely screened with landscaping along all bordering streets and adjacent/across the street from sensitive receptors. Trees along the landscape setbacks shall be at least 48 inch box in size and range in height between 14 and 25 feet. Trees should be planted a distance of 20 feet on center. Fifty percent of the landscape screening shall include a minimum of 36-inch box, evergreen trees. Palm trees shall not be utilized.
7. All landscaping shall be irrigated for the life of the facility.
8. An additional wing wall shall be installed perpendicular to the loading dock areas, where feasible, to further attenuate noise related to truck activities and address aesthetics related to loading area when adjacent to sensitive receptors. Vines or other appropriate plant material should be planted in front of the screen walls to soften views from the street.
9. Dock doors shall be located where they are not readily visible from sensitive receptors or major roads. If it is necessary to site dock doors where they may be visible, a method to screen the dock doors shall be implemented. A combination of landscaping, berms, walls, and similar features shall be considered.
10. Require on-site signage for directional guidance to trucks entering and exiting the facility to minimize potential impacts on sensitive receptors.

Recommended Policies - Goal #5: Establish an Education Program to Inform Truckers of Health Effects of Diesel Particulate and Conduct Community Outreach to Address Residents' Concerns.

1. Provide adequate notification to all owners of real property on the latest records of the County Assessor within 500 feet of the real property or at least 25 property owners, whichever is greater, for all required public notices pertaining to a warehouse project's entitlement.
2. Facility operators shall train their managers and employees on efficient scheduling and load management and to eliminate unnecessary queuing and idling trucks. ~~and require their drivers to park and perform any maintenance of trucks in designated on-site areas and not within the surrounding community or on public streets.~~
3. Facility operators shall require their drivers to park and perform any maintenance of trucks in designated on site areas and not within the surrounding community or on public streets.
4. Facility operators for sites that exceed 250 employees shall establish a rideshare program, in accordance with SCAQMD Rule 2202, with the intent of discouraging single-occupancy vehicle trips and promote alternate modes of transportation, such as carpooling and transit where feasible.

5. Provide informational flyers and pamphlets for truck drivers about the health effects of diesel particulates and importance of being a good neighbor.
6. Encourage facility owners/management to ~~coordinate an outreach program that will educate the public and~~ have site visits with neighbors and the community to view measures taken to reduce/and or eliminate diesel particulate emissions.
7. Encourage facility owners/management to coordinate an outreach program that will educate the public.
8. Provide facility owners/management with information from CARB and SCAQMD and encourage the utilization of resources provided by those agencies.
9. Applicant shall engage in a community outreach effort to determine issues of concern during the project entitlement process.
10. Applicant and City staff should look beyond the immediate development footprint and look for opportunities to enhance the surrounding community through upgrades such as street paving, walls, bicycle lanes, bus turnouts, landscaping, and other types of infrastructure improvements.
- ~~10. Applicant and City staff should look beyond the immediate development footprint and look for opportunities to enhance the surrounding community through upgrades such as street paving, walls, bicycle lanes, bus turnouts, landscaping, and other types of infrastructure improvements.~~
11. Applicant may be required to provide a supplemental funding contribution to further offset potential air quality impacts to the community and provide a community benefit beyond any CEQA related mitigation measures.

Recommended Policies - Goal #6: Implement Construction Practice Requirements in Accordance with State Requirements to Limit Emissions and Noise Impacts from Building Demolition, Renovation, and New Construction.

1. In addition to regular construction inspections conducted by City Departments, the applicant shall provide monthly reports to the City demonstrating compliance with all the construction related policies.
2. All diesel fueled off-road construction equipment greater than 50 horsepower shall be equipped with CARB Tier 4 Compliant engines. If Tier 4 equipment is not available within 50 miles of the project site, Tier 3 or cleaner off road construction equipment may be utilized.
3. Construction contractors shall utilize construction equipment with properly operating and maintained mufflers, consistent with manufacturer's standards.
4. Construction contractors shall locate or park all stationary construction equipment away from sensitive receptors nearest the project site, to the extent practicable.
5. The surrounding streets shall be swept on a regular basis to remove any construction related debris and dirt.
6. Appropriate dust control measures that meet the SCAQMD Rule 403 standards shall be implemented for grading and construction activity. ~~Such measures shall include sweeping the surrounding streets on a regular basis to remove any construction related debris and dirt.~~
7. Construction equipment maintenance records and data sheets, as well as any other records necessary to verify compliance with CARB standards shall be kept on site and furnished to the City of Perris upon request.

8. Prepare a construction traffic control plan prior to grading, detailing the locations of equipment staging areas material stockpiles, proposed road closures, and hours of construction operations to minimize impacts to sensitive receptors.
9. Minimize noise from construction activities.
10. The maximum daily disturbance area (actively graded area) shall be determined by the Air Quality Study.
11. Use of the most readily available technology (CARB Tier 3, Tier 4 Interim, and Tier 4 Compliant equipment).
12. Designate an area of the construction site where electric-powered construction vehicles and equipment can charge if the utility provider can feasibly provide temporary power for this purpose.
13. During construction, signs are required to be in public view with contact information for a designated representative of the building occupant and an SCAQMD representative who is designated to receive complaints about excessive dust, fumes, or odors on this site.

Recommended Policies - Consistency with Goal #7: Ensure Compliance with the California Environmental Quality Act (CEQA) and State Environmental Agencies.

1. In compliance with CEQA, conduct SCAQMD California Emissions Estimator Model (CalEEMod) and Emission Factors (EMFAC) computer models to identify the significance of air quality impacts on sensitive receptors, ~~and require an air quality analysis to ensure air quality protection, in accordance with the Air Quality Management District (AQMD) guidelines, for both project specific and cumulative impact analysis.~~
2. Require an air quality analysis to ensure air quality protection, in accordance with the Air Quality Management District (AQMD) guidelines, for both project specific and cumulative impact analysis.
3. Require Health Risk Assessments for industrial uses within 1,000 feet of sensitive receptors in accordance with AQMD guidelines.
4. A Noise Impact Analysis shall be prepared to evaluate potential impacts to the neighboring properties. It shall include construction and operation noise impacts, including stationary and off- site increases to ambient noise levels.
5. Require Transportation Demand Management Measures for industrial uses with over 100 employees to reduce work related vehicle trips.
6. Require signage about CARB regulations.
7. All building roofs shall be solar-ready.
8. Require the use of low volatile organic compounds (VOC) paints and coatings (SCAQMD Rule 1113).
9. All signs shall be legible, durable, and weather-proof.

3.4 Section 4.0 – Environmental Effects found Not Significant

In response to a comment regarding existing fire station locations, fire response times and fire service impacts text within *Section 4.0 – Environmental Effects Found Not to be Significant* has been modified. Specifically, text within *Section 4.1.12 – Public Services* has been modified to include Fire Station 54 and clarify the address for Fire Station 9 on page 4.0-15 as follows:

Substantial Adverse Physical Impacts to Fire Protection

Fire protection is provided to the City by the Riverside County Fire Department. The fire stations closest to the Project site are: 1) Fire Station 101- City of Perris Battalion 1 located approximately 3.7 miles northwest from the Project site at 105 S. "F" Street; and 2) Fire Station 9 – Goodmeadow Battalion 1 located approximately 5.9 miles west from the Project site at 21565 Steele Peak Drive Road and 3) Fire Station 54 – located 3.17 miles east from the Project site at 25730 Sultanas Road. (GE, GP SE, p. 21).The Project would be required to comply with the City's Perris Municipal Code (PMC) Section 19.68.020 which establishes a developer impact fee to mitigate the cost of public facilities needed to offset the impact of developing new facilities to support fire services. Thus, through payment of Developer Impact Fees (DIF), the Project would not result in substantial physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities; the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for fire protection. Therefore, potential impacts would be less than significant. (Initial Study, p. 92)

3.5 Section 5.0 – Environmental Analysis

No changes were made to this Section of the Draft EIR.

3.6 Section 5.1 – Air Quality

In response to a comment regarding compliance with all applicable South Coast AQMD rules including Rule 219, *Section 5.1.2 – Related Regulations* on page 5.1-15 of the Draft EIR will be modified to include this rule as follows:

Rule 219

The purpose of this rule is to identify equipment, processes, or operations that emit small amounts of air contaminants that shall not require written permits. Written permits would not be required for certain operations that include, but are not limited to, mobile equipment, combustion and heat transfer equipment (with a manufacturer's rating of 50 brake horsepower or less), and utility equipment.

In response to a comment regarding conflicting numbers related to cancer risk threshold, the following revisions were made to correct a typographical error in *Section 5.1.7 -Environmental Impacts* under **Threshold C: Would the Project expose sensitive receptors to substantial pollutant concentrations**, under the subheading *Residential Exposure Scenario*, on page 5.1-40 of the Draft EIR as follows:

The residential land use with the greatest potential exposure to Project operational-source diesel particulate matter emissions is Location R3 which is located approximately 57 feet east of the Project site at an existing non-conforming residence located at 25870 Tyler Avenue within the City of Menifee. R3 is placed in the private outdoor living areas (backyard) facing the Project site. At the maximally exposed individual receptor, the maximum incremental cancer risk attributable to Project operational-source diesel particulate matter emissions is estimated at ~~2.64~~2.72 in one million, which is less than the South Coast AQMD's significance threshold of 10 in one million. At this same

location, non-cancer risks were estimated to be less than 0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site than the maximally exposed individual receptor analyzed herein, and toxic air contaminants generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the maximally exposed individual receptor identified herein. As such, the Project would not cause a significant human health or cancer risk to nearby residences.

3.7 Section 5.2 – Cultural Resources

In response to a comment regarding modification to mitigation measure MM CR-1, the following language has been modified in *Section 5.2.8 – Recommended Mitigation Measure* on page 5.2-16 through page 5.2-17 respectively as follows:

MM CR-1 Archaeological Resource – Monitoring. Prior to the issuance of grading permits, the Project proponent/developer shall retain a professional archaeologist meeting the Secretary of the Interior’s Professional Standards for Archaeology (U.S. Department of Interior, 2012; Registered Professional Archaeologist preferred). The primary task of the consulting archaeologist shall be to monitor the initial ground-disturbing activities at both the subject site and any off-site project-related improvement areas for the identification of any previously unknown archaeological and/or cultural resources. Selection of the archaeologist shall be subject to the approval of the City of Perris Director of Development Services and no ground-disturbing activities shall occur at the site or within the off-site project improvement areas until the archaeologist has been approved by the City.

The archaeologist shall be responsible for monitoring ground-disturbing activities, maintaining daily field notes and a photographic record, and for reporting all finds to the developer and the City of Perris in a timely manner. The archaeologist shall be prepared and equipped to record and salvage cultural resources that may be unearthed during ground-disturbing activities and shall be empowered to temporarily halt or divert ground-disturbing equipment within a 50-foot radius of the find to allow time for the recording and removal of the resources. Work may continue outside of the 50-foot radius.

The Project proponent/developer shall also enter into an agreement with either the Soboba Band of Luiseño Indians, or the Pechanga Band of Indians, ~~or the Agua Caliente Band of Cahuilla Indians~~ for a Native American tribal representative (observer/monitor) to work along with the consulting archaeologist. This tribal representative will assist in the identification of Native American resources and will act as a representative between the City, the Project proponent/developer, and Native American Tribal Cultural Resources Department. The Native

American tribal representative(s) should be on-site during all ground-disturbing of each portion of the project site including clearing, grubbing, tree removals, grading, trenching, etc. The Native American tribal representative(s) should be on-site any time the consulting archaeologist is required to be on-site. Working with the consulting archaeologist, the Native American representative(s) shall have the authority to halt, redirect, or divert any activities in areas where the identification, recording, or recovery of Native American resources are on-going.¹

3.8 Section 5.3 – Energy

No changes were made to this Section of the Draft EIR.

3.9 Section 5.4 – Geology and Soils

No changes were made to this Section of the Draft EIR.

3.10 Section 5.5 – Greenhouse Gas Emissions

No changes were made to this Section of the Draft EIR.

3.11 Section 5.6 – Hydrology and Water Quality

No changes were made to this Section of the Draft EIR.

3.12 Section 5.7 – Land Use

No changes were made to this Section of the Draft EIR.

3.13 Section 5.8 – Noise

No changes were made to this Section of the Draft EIR.

3.14 Section 5.9 – Transportation

No changes were made to this Section of the Draft EIR.

3.15 Section 5.10 – Tribal Cultural Resources

No changes were made to this Section of the Draft EIR.

3.16 Section 5.11 – Utility and Service System

In response to a comment regarding developer contact prior to excavations, the following text has been added and modified in *Section 5.11.7 - Environmental Impacts* under analysis under **Threshold A: *Would the Project require or result in the relocation or construction of new or expanded water wastewater treatment or storm water drainage, electric power, natural gas, or***

1. Remainder of the language within this mitigation measure remains unchanged.

telecommunications facilities, the construction or relocation of which could cause significant environmental effects, on page 5.11-6 of the Draft EIR as follows:

As previously indicated in *Section 5.11* above, the Initial Study determined that Project would result in a less than significant impact to water, sewer, electric, natural gas, and telecommunication facilities. Wet and dry utilities installed as part of the proposed Project would be installed on-site and off-site consistent with the requirements of the respective utility providers, and consistent with final plans approved by the utility providers. Hence, these utilities will not be further analyzed in accordance with *State CEQA Guidelines* Section 15128.

3.17 Section 6.0 – Consistency

No changes were made to this Section of the Draft EIR.

3.18 Section 7.0 – Other CEQA Topics

No changes were made to this Section of the Draft EIR.

3.19 Section 8.0– Alternatives

No changes were made to this Section of the Draft EIR.

3.20 Section 9.0 – References

No changes were made to this Section of the Draft EIR.

4.0 Mitigation Monitoring and Reporting Program

4.1 Introduction

This Mitigation Monitoring and Reporting Program (MMRP) has been prepared for use in implementing the mitigation measures that are part of the Environmental Impact Report (EIR) that will be certified by the City of Perris for the Ethanac Logistics Center (Project).

The MMRP as reflected in **Table 4.0-A, Ethanac Logistics Center Mitigation Monitoring and Report Program** below, has been prepared in compliance with State law and the Ethanac Logistics Center EIR (State Clearinghouse No.2023090525) prepared for the Project by the City of Perris.

The California Environmental Quality Act (CEQA) requires adoption of a reporting or monitoring program for those measures placed on a project to mitigate or avoid adverse effects on the environment (Public Resources Code Section 21081.6). The law states that the reporting or monitoring program shall be designed to ensure compliance during project implementation.

The monitoring program contains the following elements:

- 1) The mitigation measures are recorded with the action and procedure necessary to ensure compliance. In some instances, one action may be used to verify implementation of several mitigation measures.
- 2) A procedure for compliance and verification has been outlined for each action necessary. This procedure designates who will take action, what action will be taken and when, and to whom and when compliance will be reported.
- 3) The program has been designated to be flexible. As monitoring progresses, changes to compliance procedures may be necessary based upon recommendations by those responsible for the program. As changes are made, new monitoring compliance procedures and records will be developed and incorporated into the program.

4.2 Mitigation Monitoring and Responsibilities

As the Lead Agency, the City of Perris (City) is responsible for ensuring full compliance with the mitigation measures adopted for the proposed Project. The City will monitor and report on all mitigation activities. Mitigation measures will be implemented at different stages of development throughout the project area. If during the course of Project implementation, any of the mitigation measures identified herein cannot be successfully implemented, the City shall be immediately informed, and the City will then inform any affected responsible agencies. The City, in conjunction with any affected responsible agencies, will then determine if modification to the Project is required and/or whether alternative mitigation is appropriate.

Table 4.0-A, Ethanac Logistics Center Mitigation Monitoring and Report Program

Impact/Threshold	Project-Level Mitigation Measures	Implementation Timing	Responsible Party	Action Indicating Compliance	Verification of Compliance		
					Initials	Date	Remarks
Aesthetics							
Would the proposed Project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<p>MM AES-1: Prior to issuance of grading permits, the Project developer shall provide evidence to the City of Perris that any temporary nighttime lighting installed for security purposes shall be downward facing and hooded or shielded to prevent security light spillage by one foot candle to surrounding properties outside of the staging area or direct broadcast of security light into the sky.</p>	Prior to issuance of a grading permit	City of Perris Building Division	Submission of lighting plans demonstrating that lights are hooded or shielded to prevent either the spillage of lumens or reflection into the sky and that all outdoor lighting is downward facing as much as feasible Review and approval of Contractor Specifications			
Biological Resources							
Would the Project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<p>MM BIO-1: Preconstruction Survey for Nesting Birds. In order to avoid violation of the Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code Sections 3503, 3503.5, and 3513, site preparation activities (ground disturbance, construction activities, staging equipment, and/or removal of trees and vegetation) for the Project shall be avoided, to the greatest extent possible, during the nesting season of potentially occurring native and migratory bird species.</p> <p>If site-preparation activities are proposed during the nesting/breeding season, the Project proponent shall retain a qualified biologist to conduct a pre-activity field survey prior to the issuance of grading permits for the Project to determine if active nests of species protected by the MBTA or the California Fish and Game Code are present in the construction zone. The nest surveys shall include the Project site and adjacent areas where Project activities have the potential to cause nest failure. The survey results shall be provided to the City's Planning Division. The Project proponent shall adhere to the following:</p> <p>The Project proponent shall designate a biologist (Designated Biologist) experienced in: identifying local and migratory bird species of special concern; conducting bird surveys using appropriate survey methodology; nesting surveying techniques, recognizing breeding and nesting behaviors, locating nests and breeding territories, and identifying nesting stages and nest success; determining/establishing appropriate avoidance and minimization measures; and monitoring the efficacy of implemented avoidance and minimization measures.</p> <p>Pre-activity field surveys shall be conducted at the appropriate time of day/night, during appropriate weather conditions, no more than 3 days prior to the initiation of Project development activities. Surveys shall encompass all suitable areas including trees, shrubs, bare ground, burrows, cavities, and structures. Survey duration shall take into consideration the size of the project site; density, and complexity of the habitat; number of survey participants; survey techniques employed; and shall be sufficient to ensure the data collected is complete and accurate.</p> <p>If no nesting birds are observed during the survey, site preparation and construction activities may begin conducted during the nesting/breeding season. However, if active nests (including nesting raptors) are located then avoidance or minimization measures shall be undertaken in consultation with the City of Perris and the CDFW. Measures shall include immediate establishment of an appropriate buffer zone to be established</p>	No more than 3 days prior to initiation of grading	City of Perris Planning Division	Nesting bird survey results report submission.			

Table 4.0-A, Ethanac Logistics Center Mitigation Monitoring and Report Program

Impact/Threshold	Project-Level Mitigation Measures	Implementation Timing	Responsible Party	Action Indicating Compliance	Verification of Compliance		
					Initials	Date	Remarks
	<p>by a qualified biologist, and approved by the City of Perris, based on their best professional judgement and experience. The buffer around the nest shall be delineated and flagged, and no construction activity shall occur within the buffer area until a qualified biologist determines nesting species have fledged and the nest is no longer active or the nest has failed. The biologist shall monitor the nest at the onset of Project activities, and at the onset of any changes in such Project activities (e.g., increase in number or type of equipment, change in equipment usage, etc.) to determine the efficacy of the buffer. If the biologist determines that such Project activities may be causing an adverse reaction, the biologist shall adjust the buffer accordingly or implement alternative avoidance and minimization measures, such as redirecting or rescheduling construction or erecting sound barriers. All work within these buffers will be halted until the nesting effort is finished (i.e., the juveniles are surviving independent from the nest). The onsite biologist shall review and verify compliance with these nesting avoidance buffers and shall verify the nesting effort has finished. Work can resume within these avoidance areas when no other active nests are found. Upon completion of the survey and nesting bird monitoring, a report shall be prepared and submitted to City of Perris Planning Division for mitigation monitoring compliance record keeping.</p>						
	<p>MM BIO-2: Preconstruction Surveys for Western Burrowing Owl. The Project proponent shall retain a qualified biologist to conduct a pre-construction survey for resident burrowing owls within 30 days prior to commencement of initial ground-disturbing activities (e.g., vegetation clearing, clearing, and grubbing, grading, tree removal, site watering, equipment staging) at the Project site. The survey shall include the Project site and all suitable burrowing owl habitat within a 500-foot buffer. The results of the survey shall be submitted to the City of Perris Planning Division prior to obtaining a grading permit. In addition, a pre-construction survey for resident burrowing owls shall also be conducted within three days prior to commencement. If burrowing owls are observed during the Migratory Bird Treaty Act (MBTA) nesting bird survey (mitigation measure MM BIO-1, to be conducted within three days of ground disturbance or vegetation clearance, the observation shall be reported to the CDFW and the US Fish and Wildlife Service (USFWS). If ground disturbing activities in these areas are delayed or suspended for more than 30 days after the pre-construction survey, the area shall be resurveyed for owls. The pre-construction survey and any relocation activity will be conducted in accordance with the current Burrowing Owl Instruction for the Western Riverside MSHCP.</p> <p>If burrowing owl are not detected during the pre-construction survey, no further mitigation is required.</p> <p>If burrowing owl are detected, the CDFW shall be sent written notification within three days of detection of burrowing owls.</p> <p>If active nests are identified during the pre-construction survey, the Project applicant shall not commence activities until no sign is present that the burrows are being used by adult or juvenile owls or following CDFW approval of a Burrowing Owl Plan as described below.</p> <p>If owl presence is difficult to determine, a qualified biologist shall monitor the burrows with motion-activated trail cameras for at least 24 hours to evaluate burrow occupancy.</p>	No more than 30 days prior to the initiation of ground-disturbing construction	City of Perris Planning Division	Burrowing Owl survey results report submission			

Table 4.0-A, Ethanac Logistics Center Mitigation Monitoring and Report Program

Impact/Threshold	Project-Level Mitigation Measures	Implementation Timing	Responsible Party	Action Indicating Compliance	Verification of Compliance		
					Initials	Date	Remarks
	<p>The qualified biologist and Project applicant shall coordinate with the City of Perris Planning Division, the US Fish and Wildlife Service (USFWS), and the CDFW to develop a Burrowing Owl Plan to be approved by the City in consultation with the CDFW and the USFWS prior to commencing project activities. The Burrowing Owl Plan shall be prepared in accordance with guidelines in the CDFW Staff Report on Burrowing Owl (March 2012) and MSHCP. The Burrowing Owl Plan shall describe proposed avoidance, minimization, relocation, and monitoring as applicable. The Burrowing Owl Plan shall include the number and location of occupied burrow sites and details on proposed buffers if avoiding the burrowing owls and/or information on the adjacent or nearby suitable habitat available to owls for relocation. If no suitable habitat is available nearby for relocation, details regarding the creation and funding of artificial burrows (numbers, location, and type of burrows) and management activities for relocated owls may also be required in the Burrowing Owl Plan. The permittee shall implement the Burrowing Owl Plan following CDFW and USFWS review and concurrence. A final letter report shall be prepared by the qualified biologist documenting the results of the Burrowing Owl Plan. The letter shall be submitted to CDFW prior to the start of project activities. The onsite qualified biologist will verify the nesting effort has finished according to methods identified in the Burrowing Owl Plan. When the biologist determines that burrowing owls are no longer occupying the Project site per the criteria in the Burrowing Owl Plan, Project activities may begin.</p>						
	<p>MM BIO-3: Burrowing Owl Plan. If burrowing owl are discovered to occupy the Project Site after Project activities have started, then construction activities shall be halted immediately. The Project proponent shall notify the CDFW and the USFWS within 48 hours of detection. A Burrowing Owl Plan, as detailed in mitigation measure MM BIO-1, shall be implemented. The Burrowing Owl Plan shall be submitted to the CDFW for review and approval within two weeks of detection and no Project activity shall continue within 1,000 feet of the burrowing owls until the CDFW approves the Burrowing Owl Plan. The Project proponent shall be responsible for implementing appropriate avoidance and mitigation measures, including burrow avoidance, passive or active relocation, or other appropriate mitigation measures as identified in the Burrowing Owl Plan.</p>	Prior to grading	City of Perris Planning Division	Submission of Burrowing Owl Plan			
Would the Project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	See MM BIO-1 thru MM BIO-3 above	See MM BIO-1 thru MM BIO-3 above	See MM BIO-1 thru MM BIO-3 above	See MM BIO-1 thru MM BIO-3 above			
Cultural Resources							
Would the Project cause a substantial adverse change in the significance of an archeological resource pursuant to Section 15064.5?	<p>MM CR-1: Archaeological Resource - Monitoring. Prior to the issuance of grading permits, the Project proponent/developer shall retain a professional archaeologist meeting the Secretary of the Interior's Professional Standards for Archaeology (U.S. Department of Interior, 2012; Registered Professional Archaeologist preferred). The primary task of the consulting archaeologist shall be to monitor the initial ground-disturbing activities at both the subject site and any off-site project-related improvement areas for the identification of any previously unknown archaeological and/or cultural resources. Selection of the archaeologist shall be subject to the approval of the City of Perris Director of Development Services and no ground-disturbing activities shall occur at the site or within the off-site project improvement areas until the archaeologist has been approved by the City.</p> <p>The archaeologist shall be responsible for monitoring ground-disturbing activities, maintaining daily field notes and a photographic record, and for reporting all finds to</p>	Prior to issuance of a grading permit	City of Perris Planning Division	Confirmation of professional archaeologist retention / submittal of Report of Findings			

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Impact/Threshold	Project-Level Mitigation Measures	Implementation Timing	Responsible Party	Action Indicating Compliance	Verification of Compliance		
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	<p>the developer and the City of Perris in a timely manner. The archaeologist shall be prepared and equipped to record and salvage cultural resources that may be unearthed during ground-disturbing activities and shall be empowered to temporarily halt or divert ground-disturbing equipment within a 50-foot radius of the find to allow time for the recording and removal of the resources. Work may continue outside of the 50-foot radius.</p> <p>The Project proponent/developer shall also enter into an agreement with either the Soboba Band of Luiseño Indians or the Pechanga Band of Luiseño Indians for a Luiseño Native American tribal representative (observer/monitor) to work along with the consulting archaeologist. This tribal representative will assist in the identification of Native American resources and will act as a representative between the City, the Project proponent/developer, and Native American Tribal Cultural Resources Department. The Luiseño Native American tribal representative(s) should be on-site during all ground-disturbing of each portion of the project site including clearing, grubbing, tree removals, grading, trenching, etc. The Native American tribal representative(s) should be on-site any time the consulting archaeologist is required to be on-site. Working with the consulting archaeologist, the Native American representative(s) shall have the authority to halt, redirect, or divert any activities in areas where the identification, recording, or recovery of Native American resources are on-going.</p> <p>The agreement between the proponent/developer and the Luiseño Native American tribe shall include, but not be limited to:</p> <ul style="list-style-type: none"> ▪ An agreement that artifacts will be reburied on-site and in an area of permanent protection; ▪ Reburial shall not occur until all cataloging and basic recordation have been completed by the consulting archaeologist; ▪ Native American artifacts that cannot be avoided or relocated at the project site shall be prepared for curation at an accredited curation facility in Riverside County that meets federal standards (per 36 CFR Part 79) and available to archaeologists/researchers for further study; and ▪ The Project archaeologist shall deliver the Native American artifacts, including title, to the identified curation facility within a reasonable amount of time, along with applicable fees for permanent curation. <p>The Project proponent/developer shall submit a fully executed copy of the agreement to the City of Perris Planning Division to ensure compliance with this condition of approval. Upon verification, the City of Perris Planning Division shall clear this condition. This agreement shall not modify any condition of approval or mitigation measure.</p> <p>In the event that archaeological resources are discovered at the Project site or within the off-site Project improvement areas, the handling of the discovered resource(s) will differ, depending on the nature of the find. Consistent with California Public Resources Code Section 21083.2(b) and Assembly Bill 52 (Chapter 532, Statutes of 2014), avoidance shall be the preferred method of preservation for Native American/tribal cultural/archaeological resources. However, it is understood that all artifacts, with the exception of human remains and related grave goods or sacred/ceremonial/religious objects, belong to the property owner. The property owner shall commit to the relinquishing and curation of all artifacts identified as being of Native American origin. All artifacts, Native American or otherwise, discovered during the monitoring program shall be recorded and inventoried by the consulting archaeologist.</p>						

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	<p>If any Native American artifacts are identified when Native American tribal representatives are not present, all reasonable measures shall be taken to protect the resource(s) in situ and the City Planning Division and Native American tribal representative(s) shall be notified. The designated Native American tribal representative will be given sufficient time to examine the find. If the find is determined to be of sacred or religious value, the Native American tribal representative will work with the City and project archaeologist to protect the resource in accordance with tribal requirements as may be feasible. All analysis will be undertaken in a manner that avoids destruction or other adverse impacts.</p> <p>In the event that human remains are discovered at the project site or within the off-site project improvement areas, mitigation measure MM CR-2 shall immediately apply and all items found in association with Native American human remains shall be considered grave goods or sacred in origin and subject to special handling.</p> <p>Native American artifacts that are relocated/reburied at the project site would be subject to a fully executed relocation/reburial agreement with the assisting Luiseño tribe. This shall include, but not be limited to, an agreement that artifacts will be reburied on-site and in an area of permanent protection, and that reburial shall not occur until all cataloging and basic recordation have been completed by the consulting archaeologist.</p> <p>Non-Native American artifacts shall be inventoried, assessed, and analyzed for cultural affiliation, personal affiliation (prior ownership), function, and temporal placement. Subsequent to analysis and reporting, these artifacts will be subjected to curation, as deemed appropriate, or returned to the property owner.</p> <p>Once grading activities have ceased and/or the archaeologist, in consultation with the designated Native American tribal representative, determines that monitoring is no longer warranted, monitoring activities can be discontinued following notification to the City of Perris Planning Division.</p> <p>A report of findings, including an itemized inventory of artifacts, shall be prepared upon completion of the tasks outlined above. The report shall include all data outlined by the Office of Historic Preservation guidelines, including a conclusion of the significance of all recovered, relocated, and reburied artifacts. A copy of the report shall also be filed with the City of Perris Planning Division, the University of California, Riverside, Eastern Information Center (EIC) and the Native American tribe(s) involved with the Project.</p>						
Would the Project disturb any human remains, including those interred outside of formal cemeteries?	<p>MM CR-2: Human Remains. In the event that human remains (or remains that may be human) are discovered at the project site or within the off-site project improvement areas during ground-disturbing activities, the construction contractors, project archaeologist, and/or designated Native American tribal representative shall immediately stop all activities within 100 feet of the find. Work outside of the 100-foot radius may continue. The project proponent shall then inform the Riverside County Coroner and the City of Perris Planning Division immediately, and the coroner shall be permitted to examine the remains as required by California Health and Safety Code Section 7050.5(b).</p> <p>If the coroner determines that the remains are of Native American origin, the coroner shall notify the Native American Heritage Commission (NAHC), which will identify the "Most Likely Descendent" (MLD). Despite the affiliation with any Native American tribal representative(s) at the site, the NAHC's identification of the MLD will stand. The MLD</p>	During construction	City of Perris Planning Division	Confirmation of coroner and NAHC contact and submittal of Report of Findings, if applicable			

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	<p>shall be granted access to inspect the site of the discovery of Native American human remains and may recommend to the project proponent means for treatment or disposition, with appropriate dignity of the human remains and any associated grave goods. The MLD shall complete his or her inspection and make recommendations or preferences for treatment within 48 hours of being granted access to the site. The disposition of the remains will be determined in consultation between the project proponent and the MLD. In the event that there is disagreement regarding the disposition of the remains, State law will apply and median with the NAHC will make the applicable determination (see Public Resources Code Section 5097.98I and 5097.94(k)).</p> <p>The specific locations of Native American burials and reburials will be proprietary and not disclosed to the general public. The locations will be documented by the consulting archaeologist in conjunction with the various stakeholders and a report of findings will be filed with the Eastern Information Center (EIC).</p>						
Geology and Soils							
Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<p>MM GEO-1: Worker's Environmental Awareness Program (WEAP). Prior to the start of the proposed Project activities, all field personnel will receive a worker's environmental awareness training on paleontological resources. The training will provide a description of the laws and ordinances protecting fossil resources, the types of fossil resources that may be encountered in the Project area and offsite, the role of the Paleontological Monitor, outline steps to follow if a fossil discovery is made and provide contact information for the Project Paleontologist. The training shall be developed by the Project Paleontologist and can be delivered concurrent with other training including cultural, biological, safety, et cetera.</p>	Prior to issuance of a grading permit	City of Perris Planning Division	Confirmation of WEAP training program presentation			
	<p>MM GEO-2: Paleontological Mitigation Monitoring. Prior to the issuance of grading permits, the project proponent/developer shall submit to and receive approval from the City, a Paleontological Resource Impact Mitigation Monitoring Program (PRIMMP). The PRIMMP shall include the provision for a qualified professional paleontologist (or his or her trained paleontological representative) to be on-site for any project-related subsurface excavations. Selection of the paleontologist shall be subject to approval of the City of Perris Planning Manager and no grading activities shall occur at the project site or within the off-site project improvement areas until the paleontologist has been approved by the City.</p> <p>Monitoring shall be restricted to undisturbed subsurface areas of older Quaternary alluvium. The approved paleontologist shall be prepared to quickly salvage fossils as they are unearthed to avoid construction delays. The paleontologist shall also remove samples of sediments which are likely to contain the remains of small fossil invertebrates and vertebrates. The paleontologist shall have the power to temporarily halt or divert grading equipment to allow for removal of abundant or large specimens.</p> <p>Collected samples of sediments shall be washed to recover small invertebrate and vertebrate fossils. Recovered specimens shall be prepared so that they can be identified and permanently preserved. Specimens shall be identified and curated and placed into an accredited repository (such as the Western Science Center or the Riverside Metropolitan Museum) with permanent curation and retrievable storage.</p> <p>A report of findings, including an itemized inventory of recovered specimens, shall be prepared upon completion of the steps outlined above. The report shall include a discussion of the significance of all recovered specimens. The report and inventory,</p>	Prior to issuance of a grading permit	City of Perris Planning Division	Confirmation of professional paleontologist retention Approval of PRIMMP / submittal of Report of Findings			

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	when submitted to the City of Perris Planning Division, will signify completion of the program to mitigate impacts to paleontological resources.						
Noise							
Would the Project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project area in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	MM NOISE-1: Prior to occupancy, applicant shall limit cold storage loading and unloading activities to the western side of the Project site along the building's western dock area during all hours of operation.	Prior to issuance of occupancy permits	City of Perris Planning Division	Verification by City of incorporation of requirement in the Contractor Specifications Periodic Monitoring Reports			
Transportation							
Would the Project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	MM TRANS-1: Voluntary Commute Trip Reduction. Prior to occupancy, the Project tenant shall implement a Voluntary Commute Trip Reduction (CTR) marketing measure to encourage alternative transportation modes such as carpooling. Potential CTRs may include, but are not limited to, on-site and/or online commute information services on local transit options or ride-share coordination amongst employees.	Prior to issuance of occupancy permits	City of Perris Planning Division	Confirmation of marketing measure			
	MM TRANS-2: Carpool/Vanpool. Prior to occupancy, the Project shall be designed to provide designated carpool/vanpool parking in desirable locations on the Project site to encourage employees to rideshare.	Prior to issuance of occupancy permits	City of Perris Planning Division	Verification that designated carpool/vanpool parking are included in Project Site Plans			
Tribal Cultural Resources							
Would the Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resource Code section 5020.1(k)?	See MM CR-1 and MM CR-2 above.	See MM CR-1 and MM CR-2 above.	See MM CR-1 and MM CR-2 above.				

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Would the Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resource Code section 5024.1; in applying the criteria set forth in subdivision (c) of Public Resource Code section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe?	See MM CR-1 and MM CR-2 above.	See MM CR-1 and MM CR-2 above.	See MM CR-1 and MM CR-2 above.				