Appendix FEIR-4

Health Risk Assessment

HEALTH RISK ASSESSMENT

Our Lady of Mt. Lebanon Project

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1.0 Executive Summary

1.1 Findings

This report provides an analysis of potential health risk impacts related to the proposed construction and operation of the Our Lady of Mt. Lebanon Project (Project) in the City of Los Angeles, California. The analysis identified the baseline condition around the Project and evaluated the incremental change in health risk concentration exposure from diesel exhaust/diesel particulate matter (DPM) emitted by heavy-duty construction equipment during construction and heavy duty delivery trucks during operation of the Project. The findings of the analysis are as follows:

- For carcinogenic exposures, the increase in risk is calculated to be 8.3 in one million, which is less than the applicable threshold of 10 in one million for sensitive receptors in close proximity to the Project Site, resulting in a less than significant impact.

- For chronic non-carcinogenic exposures, the increase in the respiratory hazard index was estimated to be less than the applicable threshold of one for sensitive receptors in close proximity to the Project Site, resulting in a less than significant impact.

2.0 Introduction

The Project includes the following components: (1) the development of multi-family residential units; (2) the deconstruction, off-site storage, reassembly, rehabilitation and limited alteration of the existing cathedral of Our Lady of Mt. Lebanon–St. Peter Maronite Catholic Cathedral (Applicant); and (3) the removal of three existing ancillary church buildings. To be clear, this is not the type of project that the regulatory agencies, or the applicable regulatory laws, at the time the Draft Environmental Impact Report (Draft EIR) was prepared, require to produce a Health Risk Assessment (HRA) for adequate disclosure of potential air quality impacts pursuant to the California Environmental Quality Act (CEQA).

The California Air Pollution Control Officers Association (CAPCOA) Guidance Document for Health Risk Assessments for Proposed Land Use Projects (2009) (CAPCOA HRA Guidance) provides lead agencies with guidance regarding when and how an HRA should be prepared. It bases the risk assessment methodology on the procedures developed by the California Office of Environmental Health Hazard Assessment (OEHHA) to meet the mandates of the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588). The CAPCOA HRA Guidance states that "[t]here are basically two types of land use projects that have the potential to cause long-term public health risk impacts: Type A—land use projects with toxic emissions that impact receptors; and Type B—land use projects that will place receptors in the vicinity of existing toxic sources. Type A project examples are combustion related power plants, gasoline dispensing facilities, asphalt batch plants, warehouse distribution centers, quarry operations, and other stationary sources that emit toxic substances. Type B project examples are stationary sources, high traffic roads, freeways, rail yards, and ports." Note that the Project does not qualify as either a Type A or Type B project. The Project does not contemplate any industrial uses, and is not being sited in the vicinity of existing toxic sources, including freeways, rail yards, or ports. The roadways adjacent to the Project Site are not high traffic roads.[1] Therefore, per the CAPCOA HRA Guidance in effect when the Draft EIR for the Project was prepared, the lead agency did not include an HRA in the Draft EIR. Accordingly, this HRA was done

[1] *California Air Resources Board (CARB) recommends avoiding siting new sensitive land uses such as residences, schools, daycare centers, playgrounds, or medical facilities within 500 feet of a freeway, urban roads with traffic volumes exceeding 100,000 vehicles per day, or rural roads with volumes greater than 50,000 vehicles per day. CARB, Air Quality and Land Use Handbook: a Community Health Perspective, April 2005, p. 4, https://ww3.arb.ca.gov/ch/handbook.pdf.*

voluntarily for informational purposes only to supplement the administrative record, and further demonstrates that even if an HRA was necessary (which it was not) the Project still would not have a significant air quality impact.

The OEHHA adopted the Air Toxics Hot Spots Program Guidance Manual for the Preparation of Risk Assessments (2003 Guidance Manual) in October of 2003. The Guidance Manual was developed by OEHHA, in conjunction with the California Air Resources Board (CARB), for use in implementing the Air Toxics "Hot Spots" Program (Health and Safety Code Section 44360 et. seq.). The Air Toxics "Hot Spots" Program requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics "Hot Spots" Program are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

OEHHA adopted a new version of the Air Toxics Hot Spots Program Guidance Manual for the Preparation of Risk Assessments (2015 Guidance Manual) in March of 2015.[2] CARB acknowledges that the Guidance Manual does not include guidance for CEQA and that it would be "handled by individual [Air Pollution Control] Districts."[3] The intent in developing the 2015 Guidance Manual was to provide HRA procedures for use in the Air Toxics Hot Spots Program or for the permitting of new or modified stationary sources. As noted above, the Project is not a new or modified stationary source that requires air quality permits to construct or operate. Air districts are to determine which facilities will prepare an HRA based on a prioritization process. The 2015 Guidance Manual provides recommendations related to cancer risk evaluation of short-term projects. As discussed in Section 8.2.10 of the 2015 Guidance Manual, "[t]he local air pollution control districts sometimes use the risk assessment guidelines for the Hot Spots program in permitting decisions for short-term projects such as construction or waste site remediation." Thus, to be conservative, this HRA was prepared in part to analyze potential construction impacts, even though short-term projects that would require a permitting decision by South Coast Air Quality Management District (SCAQMD) typically would be limited to site remediation (e.g., stationary soil vapor extractors) and would not be applicable to the Project. The 2015 Guidance Manual does not provide specific recommendations for evaluation of short-term use of mobile sources (e.g., heavy-duty diesel construction equipment).

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[2] *Office of Environmental Health Hazard Assessment, Air Toxicology and Epidemiology, Adoption of Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, March 6, 2015, www.oehha.ca.gov/air/hot_spots/hotspots2015.html.*

[3] *CARB, Risk Management Guidance for Stationary Sources of Air Toxics, July 23, 2015, p. 19, www.arb.ca.gov/toxics/rma/rmgssat.pdf.*

OEHHA's 2015 Guidance Manual provides Age Sensitivity Factors (ASFs) to account for potential increased sensitivity of early-in-life exposure to carcinogens. A review of relevant guidance was conducted to determine applicability of the use of early life exposure adjustments to identified carcinogens. For risk assessments conducted under the auspices of The Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, Connelly, Statutes of 1987; Health and Safety Code Section 44300 et seq.) a weighting factor is applied to all carcinogens regardless of purported mechanism of action. The use of these factors would not be applicable to this HRA as neither the Lead Agency nor SCAQMD have developed recommendations on whether these factors should be used for CEQA analyses of potential DPM construction impacts. For this assessment, the HRA relied upon United States Environmental Protection Agency (USEPA) guidance relating to the use of early life exposure adjustment factors (Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F) whereby adjustment factors are only considered when carcinogens act "through the mutagenic mode of action." The USEPA has identified 19 compounds that elicit a mutagenic mode of action for carcinogenesis. For DPM, polycyclic aromatic hydrocarbons (PAHs) and their derivatives, which are known to exhibit a mutagenic mode of action, comprise less than one percent of the exhaust particulate mass. To date, the USEPA reports that whole diesel engine exhaust has not been shown to elicit a mutagenic mode of action. Therefore, early life exposure adjustments were not considered in this HRA.

In addition, the *L.A. City CEQA Thresholds Guide* (Thresholds Guide) states that "impacts from toxic air contaminants can occur during either the construction or operational phases of a project. During certain construction activities, potential releases of toxic air contaminants could occur during site remediation activities or during building demolition. Toxic air contaminants may also be released during industrial or manufacturing processes, or other activities that involve the use, storage, processing, or disposal of toxic materials."[4] Importantly, note that, the Thresholds Guide does not specifically recommend an HRA for short-term DPM emissions from construction activities. The Thresholds Guide also sets forth the following factors for consideration on a case-by-case basis in making a determination of significance with regard to toxic air contaminants: the regulatory framework for the toxic material(s) and process(es) involved; the proximity of the toxic air contaminants to sensitive receptors; the quantity, volume, and toxicity of the contaminants expected to be emitted; the likelihood and potential level of exposure; and the degree to which project design will reduce the risk of exposure. Based on this information, the methodology utilized in the Draft EIR remains consistent with City of Los Angeles guidance, which indicates that preparation of an HRA was not required for the Project.

[4] *City of Los Angeles, CEQA Thresholds Guide, 2006, p. B.3-2.*

Also, CARB has published and adopted the *Air Quality and Land Use Handbook: A Community Health Perspective*, which provides recommendations regarding the siting of new sensitive land uses near potential sources of air toxic emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities).[5] SCAQMD adopted similar recommendations in its *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*.[6] Together, the CARB and SCAQMD guidelines recommend siting distances for both the development of sensitive land uses in proximity to Toxic Air Contaminates (TAC) sources and the addition of new TAC sources in proximity to existing sensitive land uses. When considering potential air quality impacts under CEQA, consideration is given to the location of sensitive receptors within close proximity of land uses that emit TACs. Applied here, the Project does not site new sensitive land uses near existing sources of air toxic emissions.

The primary sources of potential air toxics associated with Project operations include DPM from delivery trucks (e.g., truck traffic on local streets and idling on adjacent streets). However, these activities, and the land uses associated with the Project, are not considered land uses that generate substantial TAC emissions based on review of the air toxic sources listed in SCAQMD's and CARB's guidelines. It should be noted that the SCAQMD recommends that HRAs be conducted for substantial individual sources of DPM (e.g., truck stops and warehouse distribution facilities that generate more than 100 trucks per day or more than 40 trucks with operating transport refrigeration units) and has provided guidance for analyzing mobile source diesel emissions.[7] Based on this guidance, the Project is not considered one of these land uses and is not considered to be a substantial source of DPM warranting a refined HRA since daily truck trips to the Project Site would not exceed 100 trucks per day or more than 40 trucks with operating transport refrigeration units. In addition, the CARB-mandated ATCM limits diesel-fueled commercial vehicles (delivery trucks) to idle for no more than 5 minutes at any given time, which would further limit diesel particulate emissions.

Although a construction and operational HRA is not required for the reasons discussed above, for informational purposes only, this HRA has been prepared to provide a good faith and reasoned response to public comments and to provide the City with

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[5] *CARB, Air Quality and Land Use Handbook, a Community Health Perspective, April 2005.*

[6] *SCAQMD, Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning, May 6, 2005.*

[7] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, 2003.*

additional substantial evidence that demonstrates that the Project would not create a significant health risk impact.

3.0 Health Risk Assessment

3.1 Project Description

The Project includes the following components: (1) the development of a 19-story, multi-family residential building with 153 residential units (2) the deconstruction, off-site storage, reassembly, rehabilitation and limited alteration of the existing cathedral of Our Lady of Mt. Lebanon–St. Peter Maronite Catholic Cathedral (Applicant); and (3) the removal of three existing ancillary church buildings, including the parish rectory, a building with offices and meeting rooms and a social hall, and their replacement with a new three-story building with ancillary church uses, including offices, meeting rooms and a multi-purpose room.

Certain activities would emit diesel particulate matter (DPM) from heavy-duty trucks and heavy-duty equipment used during construction and to a lesser extent heavy-duty delivery trucks accessing the Project Site during operation of the Project. CARB and OEHHA have classified DPM as a carcinogen. The area surrounding the Project Site is developed with a mix of commercial and residential uses. Existing nearby sensitive and uses consist of residential uses, including an 11-story residential condominium building to the north (across the alley), two and five-story, multi-family residential buildings to the south across Burton Way, and a five-story, multi-family residential building to the west across Holt Avenue. The City has approved entitlements to replace the three-story retail building and parking structure[8] to the east across San Vicente Boulevard with a new mixed-use project with residential and retail uses (approved through Case No. CPC-2015-896-GPA-HD-MCUP-ZV-DB-SPR). The analysis conservatively assumed that this future use would be a sensitive land use.

3.2 The Assessment Process

The risk assessment process provided in OEHHA's 2003 Guidance Manual consists of four basic steps: (1) hazard identification; (2) exposure assessment; (3) dose-response assessment; and (4) risk characterization.[9] In the first step, hazard identification involves

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[8] *Based on approval of that case and associated Ordinance No. 184,720 (effective March 8, 2017), the zoning for this property is now (T)(Q)C2-2D-O with a General Commercial land use designation.*

[9] *Office of Environmental Health Hazard Assessment, The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, August 2003, p. 1-6.*

determining the potential health effect which may be associated with emitted pollutants. The purpose is to identify qualitatively whether a pollutant is a potential human carcinogen or is associated with other types of adverse health effects. Depending on the chemical, these health effects may include short-term ailments or chronic diseases. The dose-response assessment is designed to characterize the relationship between the amount or dose of a chemical and its toxicological effect on the human body. Responses to toxic chemicals will vary depending on the amount and length of exposure. For example, short-term exposure to low concentrations of chemicals may produce no noticeable effect, but continued exposure to the same levels of chemicals over a long period of time may eventually cause harm. The purpose of the exposure assessment is to estimate the extent of exposure to each substance for which risk will be evaluated. This involves emission quantification, modeling of environmental transport, identification of chemicals of concern, identification of exposure routes, identification of exposed populations, and estimation of long-term exposure levels. Risk characterization is an integration of the health effects and public exposure information developed for emitted pollutants to provide a quantitative probability of adverse health effects.

3.3 Source Identification and Characterization

3.3.1 Source Identification

As indicated above, the primary source of potential air toxics associated with the Project is DPM from heavy-duty trucks and heavy-duty construction equipment used during construction and to a lesser extent heavy-duty delivery trucks accessing the Project Site during operation of the Project. The SCAQMD recommends that an HRA be conducted for substantial sources of long-term DPM operational sources (e.g., truck stops and warehouse distribution facilities) and has provided guidance for analyzing mobile source diesel emissions.[10] While Project construction would not represent a long-term source of DPM emissions,[11] the SCAQMD Guidance was used for purposes of modeling parameters and assumptions.

[10] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions, August 2003.*

[11] *Project construction is short term—36 months. Moreover, the Project is residential, hotel, commercial, and office uses, none of which are associated with heavy-duty truck use or significant DPM emissions.*

3.3.2 Source Characterization

Construction

As described in detail in Section II, Project Description, of the Draft EIR, construction of the Project would commence with demolition of the existing rectory building, social hall building and church office building, followed by the deconstruction of the cathedral building. This would be followed by excavation for the subterranean parking garage, construction of the subterranean parking structure and construction of the new residential and ancillary church buildings. Upon completion of the subterranean parking structure and the partial construction of the residential and ancillary church buildings, the cathedral would be reassembled at its approximate current location. Building construction would continue, followed by paving/concrete and landscape installation. It is anticipated that project construction would commence in 2021 and be completed in 2024 (approximately 36 months). It is estimated that approximately 110,000 cubic yards of export material (e.g., concrete and asphalt surfaces) and soil would be hauled from the Project Site during the demolition and excavation phase.

Total DPM emissions over the duration of Project construction were calculated using the SCAQMD recommended California Emissions Estimator Model (CalEEMod) and consistent with the methodology for calculating criteria pollutant emissions provided in Section IV.A, Air Quality, of the Draft EIR. The calculations of the emissions generated during Project construction activities reflect the types and quantities of construction equipment and haul trucks that would be used to complete the proposed construction activities. As the assumptions used in the air quality analysis were developed to characterize a worst-case peak day of construction by phase, equipment usage assumptions were modified to reflect average daily use.

CalEEMod calculates annual emissions based on worst-case conditions occurring on a daily basis. This scenario would not represent real world conditions as construction activities and equipment would not be expected to operate at 100 percent on an average daily basis. Construction surveys prepared for CARB have documented that on a typical construction site, daily average equipment hours range from 2 to 7.5 hours depending on the type of equipment and construction phase.[12] The maximum daily to annual adjustment for construction activity is provided in Appendix A of this HRA.

As an example, the heavy-duty construction equipment mix provided in the air quality analysis for the foundation phase reflects all equipment needed for the largest

[12] *CARB, Characterization of the Off-Road Equipment Population, December 2008.*

concrete pour day. Thus, average daily DPM emissions from building foundation would be substantially less since maximum pour days would not occur every day during that phase.

The calculation of DPM emissions was based on the Mt. Lebanon Project Construction and Operational GHG CalEEMod output file provided in Appendix B, Air Quality and Greenhouse Gas Emissions, of the Draft EIR. It was assumed that all on-site (e.g., off-road equipment) equipment would be diesel and, therefore, on-site exhaust PM_{10} emissions were included in this HRA as DPM. The CalEEMod output file is provided in Appendix A of this HRA.

Operation

A conservative estimate of the number of daily truck trips is provided below based on the National Cooperative Highway Research Program Truck Trip Generation Data.[13]

- Table D-2d of the NCHRP data (Trip Generation Summary—Daily Commercial Vehicle Trips per 1,000 sf of Building Space for Schools (assumed to be similar to church uses)) provides an average of 0.018 truck trips per 1,000 sf or approximately 0.6 truck trips per day for the Project's church uses. This assumes that all trucks would be diesel even though many of the truck deliveries are from smaller gasoline or alternative energy source trucks (e.g., UPS or FedEx).

- Table D-2e of the NCHRP data (Trip Generation Summary—Daily Commercial Vehicle Trips per 1,000 sf of Building Space for Other Land Uses (includes housing)) provides an average of 0.011 truck trips per 1,000 sf or approximately 1.6 truck trips per day for the Project's residential uses. It is conservatively assumed that all of these delivery trucks would be heavy-duty diesel trucks even though many residential truck deliveries are from smaller gasoline or alternative energy source trucks (e.g., UPS or FedEx).

Accordingly, the Project is estimated to conservatively generate approximately three trucks per day during operation. Emissions from delivery trucks travelling to and from the Project Site, as well as idling were estimated using the CARB EMFAC2021 model. Trucks travelling to/from the loading docks generate emissions through truck engine idling and travelling.

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[13] *National Cooperative Highway Research Program (NCHRP) Synthesis 298 Truck Trip Generation Data, 2001, http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_298.pdf.*

Importantly, note that, with respect to truck emissions associated with the operation of projects, the SCAQMD recommends that HRAs be conducted for substantial sources of DPM for developments that include truck stops and warehouse distribution facilities that generate more than 100 trucks per day or more than 40 trucks with operating TRUs. In other words, SCAQMD has identified an amount of truck trips per day that could warrant conducting an HRA to analyze emissions and health risks. Projects with truck trips below the aforementioned amounts should not be considered a substantial source of DPM and HRAs are neither recommended nor required by the applicable regulatory documents.

Specifically, the Project is not considered to be a substantial source of operational DPM warranting an HRA because there are only three daily truck trips to the Project Site, which is far below the either more-than-100-trucks-per-day or more-than-40-TRU-trucks-per-day threshold that indicate when a project could be considered a substantial DPM source. Nonetheless, operational health risks from use of operational delivery trucks for the Project was evaluated for informational purposes and included in this HRA.

Note also that, based on SCAQMD guidance, there is no quantitative analysis required for future cancer risk within the vicinity of the Project because it is consistent with the recommendations regarding the siting of new sensitive land uses near potential sources of TAC emissions provided in the SCAQMD Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning.

3.3.3 Baseline and Identification of Chemicals of Concern

The Draft EIR identified the baseline of conditions around the Project Site and the ambient levels of TACs. The SCAQMD released the fourth round of its Basin-wide Multiple Air Toxics Exposure Study (MATES IV—Final Report) in May 2015.[18] MATES IV estimated the cancer risk from TAC emissions throughout the Basin by conducting a monitoring program, an updated emissions inventory of TACs, and a modeling effort to characterize health risks in the air basin. As part of MATES IV, the SCAQMD prepared an interactive map that shows estimates of cancer risks in the Basin from ambient levels of TACs based on the modeling effort to provide insight into relative risks. The map reports estimated cancer risks for discrete 2-kilometer-by-2-kilometer grid cells. The cancer risk estimates reported there should not be interpreted as actual rates of disease in the exposed population, but rather as estimates of potential risk, based on a number of conservative assumptions. In general, MATES IV indicates that the highest cancer risks from TACs are found near shipping ports, goods movement sources, and near freeways and other transportation corridors. The Project Site falls in an estimated range of 1,016 cancer risks per one million. A figure in Appendix E to this HRA shows the MATES IV Total Cancer Risk around Project Site. Compared to previous studies of air toxics in the Basin, the MATES IV

study found decreasing air toxics exposure from the analysis done in the MATES III time period.

This HRA identifies the baseline condition and also identifies the actual additional risks due to certain emissions associated with the Project. Note that, as discussed above, the CAPCOA regulatory guidance adopted at the time the Draft EIR was prepared indicates that HRAs should assess Type A (toxic emissions) and Type B (placing receptors near existing toxic sources) projects with within the CEQA context. This HRA presents the incremental health risks analysis even though the Project does not squarely qualify as either a Type A or Type B project. Accordingly, this voluntary HRA analysis is informational, and further informs the public and decision makers, but is not required pursuant to the laws in effect when the Draft EIR was prepared. Nonetheless, this HRA quantitatively evaluated DPM as a chemical of concern for potential health effects in two categories, carcinogenic and non-carcinogenic.

3.4 Exposure Quantification

Consistent with SCAQMD's Localized Significance Threshold Methodology (LST Guidelines), this HRA used USEPA's Regulatory Model AERMOD to assess the downwind extent of DPM concentrations from proposed construction and operational activities.[14] AERMOD accounts for a variety of refined, site-specific conditions that facilitate an accurate assessment of Project impacts. AERMOD's air dispersion algorithms are based upon a planetary boundary layer turbulence structure and scaling concepts, including the treatment of surface and elevated sources in simple and complex terrain.

Exhaust emissions from construction and operational equipment were treated as a set of side-by-side elevated volume sources. The release height was assumed to be 12 feet. This represents the mid-range of the expected plume rise from frequently used construction equipment and operational heavy-duty trucks during daytime atmospheric conditions. All construction exhaust emissions were assumed to take place over a 36-month (3-year) duration on weekdays between 7 A.M. to 3 P.M. (8-hour period). Operational exhaust emissions were assumed to take place 6-days per week between 7 A.M. to 3 P.M. (8-hour period) and included 15 minutes of idle time to account for ingress, egress, and travel on-site. [15]

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[14] *SCAQMD, Final-Localized Significance Threshold Methodology, 2008.*

[15] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, 2003, www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.*

Air dispersion models require additional input parameters including local meteorology and receptors. Due to the sensitivity to individual meteorological parameters such as wind speed and direction, the USEPA recommends that meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. In response to this recommendation, meteorological data from the SCAQMD Downtown Los Angeles monitoring station (Source Receptor Area 1) were used to represent local weather conditions and prevailing winds.

Cartesian receptor grids were used to represent adjacent and nearby sensitive land uses. The Cartesian receptor grids were placed at each sensitive use with a built in 10 meter spacing for the adjacent school and nearby residential uses. All receptors were placed at ground level, which is recommended by SCAQMD for AERMOD modeling. Elevations for both sources and receptors were provided by the U.S. Geological Survey (USGS) and included using the AERMOD terrain processor AERMAP.

DPM modeled concentrations were used to calculate cancer risk and chronic hazard index at each relevant receptor. A graphical representation of the source-receptor grid network is presented in Appendix C.

3.5 Risk Characterization

3.5.1 Carcinogenic Chemical Risk

Health risks associated with exposure to carcinogenic compounds at sensitive land uses in close proximity to the Project can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. Under a deterministic approach (i.e., point estimate methodology), the cancer risk probability is determined by multiplying the chemical's annual concentration by its unit risk factor (URF). The URF is a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It represents an upper bound estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$) over a 70-year lifetime. The SCAQMD recommends a threshold of ten in one million cancer risk for evaluating carcinogenic impacts at sensitive receptors.[16]

The equation used to calculate the potential excess cancer risk is:

[16] *SCAQMD, Air Quality Significance Thresholds, www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2.*

$Risk_i = C_i \times CP_i \times DBR \times EVF$

Where:

$Risk_i$ = Lifetime Excess Cancer Risk from exposure to $chemical_i$
C_i = Representative Air Concentration for $chemical_i$ ($\mu g/m^3$)
CP_i = Cancer $Potency_i$ $(mg/kg\text{-}day)^{-1}$
DBR = Daily Breathing Rate (L/kg body weight-day)
EVF = Exposure Value Factor (unitless)

An estimate of an individual's incremental excess cancer risk from exposure to Project construction and operational DPM emissions is calculated by summing the chemical-specific excess cancer risks. In addition, cancer risk is evaluated based on the duration on which a sensitive receptor is exposed to DPM (exposure duration). Based on OEHHA guidelines, it is recommended that cancer risk analyses assume an exposure duration of 70-years for residential receptors.[17] The exposure duration takes into account the construction duration of 36 months during construction, and operational emissions occurring each year.

3.5.2 Non-Carcinogenic Chemical Risk

The potential for chronic non-carcinogenic health effects is evaluated by calculating the total hazard index (HI) for the Project construction and operational DPM emissions. This HI represents the sum of the hazard quotients (HQs) developed for each individual project-related chemical, where a HQ is the ratio of the representative air concentration of the chemical to the chemical specific non-cancer Reference Exposure Level (REL). The non-cancer RELs represent the daily average exposure concentration at (or below) which no adverse health effects are anticipated.

The equations used to calculate the chemical-specific HQs and HIs are:

$HQ_i = C_i/REL_i$
$HI = \Sigma HQi$

Where:

[17] *Office of Environmental Health and Hazard Assessment, Air Toxics Hot Spots Program Risk Assessment Guidelines, August 2003.*

HQ_i = Hazard Quotient for $chemical_i$
C_i = Average Daily Air Concentration for $chemical_i$ ($\mu g/m^3$)
REL_i = Noncancer Reference Exposure Level for $chemical_i$ ($\mu g/m^3$)
HI = Hazard Index

The SCAQMD recommends that the non-carcinogenic hazards of toxic air contaminants should not exceed a hazard index of 1.0 for either chronic or acute effects.[18] Acute effects are due to short-term exposure, while chronic effects are due to long-term exposure to a substance. For chronic and acute risks, the hazard index is calculated as the summation of the hazard quotients for all chemicals to which an individual would be exposed. The acute hazard index was not quantified since an inhalation REL has not been determined by the OEHHA for DPM at the time of preparation of this HRA or the Draft EIR.

3.6 Conclusions

The results from the health risk calculations provide an estimate of the potential risks and hazards to individuals through inhalation of Project construction DPM emissions over a 36-month duration. Consistent with OEHHA guidelines, health risk impacts from Project operational DPM emissions were assessed over a 70-year exposure duration for residential receptors. The estimated risks and hazards include: lifetime excess cancer risk estimates, and cumulative chronic HI estimates for the receptor locations of concern.

As shown in Appendix B and in Table 1 on page 16, the results of the HRA yields a maximum combined construction and operational off-site individual cancer risk of 8.3 in a million for residential uses located north of the Project site. The maximum chronic risk of 0.093 occurs within this same residential receptor area. As the Project would not emit carcinogenic or toxic air contaminants that result in impacts which exceed the maximum individual cancer risk of ten in one million or the chronic index of 1.0, Project-related toxic emission impacts would be less than significant.

[18] *SCAQMD, Air Quality Significance Thresholds, www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2.*

Table 1
Health Risk Assessment

Risk	Significance Threshold	Calculated Risk			Significant Impact
		Construction	Operation	Combined	
Cancer Risk (Resident)	10 in 1 Million	8.26E-06 or 8.26 in one million	1.97E-8 or 0.01 in one million	8.27E-6 or 8.27 in one million	No
Non-Carcinogenic Risk (Maximum)	Chronic Index (HI) of 1.0	9.3E-02 or 0.093	9.9E-6 or 0.00001	Not Applicable (Based on Annual Concentration)	No

4.0 Uncertainty Assessment

Evaluating carcinogenic pollutant concentrations based on OEHHA methodology and SCAQMD Guidance has an implied uncertainty. These methodologies were developed to provide a conservative health risk estimate. The conservative nature of this methodology relies on a number of inputs designed to prevent an underestimation of risk. The following discusses the conservative nature of the risk assessment analysis assumptions utilized in this analysis.

The cancer risk from DPM occurs mainly through inhalation. Output from the dispersion analysis was used to estimate the DPM concentrations. The cancer risk estimate is then calculated based on those estimated DPM concentrations using the risk methodology promulgated by OEHHA. The risk assessment guidelines established by SCAQMD and included in the analysis are designed to produce conservative (high) estimates of the risk posed by DPM, due to the following factors:

- As a conservative measure, the SCAQMD does not recognize indoor adjustments for residential uses. However, studies have shown that the typical person spends approximately 87 percent of their time indoors, 5 percent of their time outdoors, and 7 percent of their time in vehicles. A DPM exposure assessment showed that an average indoor concentration was 2.0 $\mu g/m^3$, compared with an outdoor concentration of 3.0 $\mu g/m^3$.[19]

- OEHHA has a toxicity database that lists TACs and their URFs. A URF describes the cancer potency of a particular TAC and is used to estimate cancer risk.[4] Most of these URFs are extrapolated from animal studies based on continuous exposure to particular toxin. This method can have some significant uncertainties. For example, a chemical that is carcinogenic by one route of exposure is considered to be carcinogenic for all routes of exposure at its maximum potency. Also, it is not realistic for a receptor to be exposed to a continuous concentration of TACs over time. In reality, receptors are exposed to constantly changing concentration levels that would expose receptors to lower levels of TACs over time than analyzed in this analysis.

- The use of the SCAQMD meteorological data set and conservative exposure assumptions (e.g., assumes receptor would be located outside in the same

[19] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions, 2002.*

location 24 hours per day for the entire construction duration) amongst others, likely also lead to overestimated risks.

As such, uncertainty in the health risk analysis is conservative in nature and is designed to prevent undisclosed impacts to human health. Concentrations reported in this report represent a conservative scenario that is likely an over estimation of actual pollutant concentrations.

Appendices

Appendix A

Emission Calculations and CalEEMod Output File

Mt. Lebanon Project
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3.40	1000sqft	0.97	3,400.00	0
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Place of Worship	21.19	1000sqft	0.97	21,191.00	0
Enclosed Parking with Elevator	397.00	Space	3.57	158,800.00	0
Apartments High Rise	153.00	Dwelling Unit	0.97	148,641.00	398

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	647	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - LADWP SB100 Carbon Intensity (2024) - 647 lbs/MWh

Land Use - see project description

Construction Phase - see assumptions

Off-road Equipment -

Off-road Equipment - see assumptions

Off-road Equipment - see assumptions

Off-road Equipment - see assumptions

Off-road Equipment - see assumptions

Off-road Equipment - see assumptions

Off-road Equipment - see assumptions

Trips and VMT - Demolition and Haul trucks would be travelling to the Vulcan Sun Valley Landfill (~20 miles one-way) or Sunshine Canyon Landfill (~26 miles one-way)

Demolition -

Grading - see assumptions

Woodstoves - No Fireplaces

Energy Use - See parking garage ventilation and lighting calculations

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation - Install high efficiency lighting

Compliance with 2019 Title 24 (Exceed 2016 Title 24 by 10%)

Water Mitigation - Consistent with CalGreen for water conservation (20%)

Waste Mitigation - Current City of LA Diversion Rates

Stationary Sources - Emergency Generators and Fire Pumps - 1 Emergency Generator (300 hp). Tested for 1 hour each month.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	65.00
tblConstructionPhase	NumDays	230.00	2.00
tblConstructionPhase	NumDays	230.00	41.00
tblConstructionPhase	NumDays	230.00	478.00
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	20.00	129.00
tblConstructionPhase	NumDays	20.00	65.00
tblEnergyUse	LightingElect	1.75	2.33
tblEnergyUse	T24E	3.92	0.41
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	130.05	0.00
tblFireplaces	NumberWood	7.65	0.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	21,190.00	21,191.00
tblLandUse	LandUseSquareFeet	153,000.00	148,641.00
tblLandUse	LotAcreage	0.08	0.97
tblLandUse	LotAcreage	0.49	0.97
tblLandUse	LotAcreage	2.47	0.97
tblLandUse	Population	438.00	398.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	647

tblTripsAndVMT	HaulingTripLength	20.00	52.00
tblTripsAndVMT	HaulingTripLength	20.00	52.00
tblTripsAndVMT	HaulingTripNumber	56.00	2,620.00
tblTripsAndVMT	HaulingTripNumber	13,750.00	8,127.00
tblTripsAndVMT	VendorTripLength	6.90	13.80
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	46.00	348.00
tblTripsAndVMT	VendorTripNumber	46.00	64.00
tblTripsAndVMT	VendorTripNumber	46.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	8.00	50.00
tblTripsAndVMT	WorkerTripNumber	25.00	60.00
tblTripsAndVMT	WorkerTripNumber	187.00	60.00
tblTripsAndVMT	WorkerTripNumber	187.00	60.00
tblTripsAndVMT	WorkerTripNumber	187.00	350.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	37.00	0.00
tblVehicleTrips	CC_TL	8.40	5.71
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	4.98	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.37	0.00
tblVehicleTrips	ST_TR	0.00	914.35
tblVehicleTrips	SU_TR	3.65	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	36.63	0.00
tblVehicleTrips	SU_TR	0.00	914.35
tblVehicleTrips	WD_TR	4.20	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	9.11	0.00
tblVehicleTrips	WD_TR	0.00	580.00
tblWoodstoves	NumberCatalytic	7.65	0.00
tblWoodstoves	NumberNoncatalytic	7.65	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Year	tons/yr										MT/yr					
2021	0.2362	3.4937	1.9330	9.8100e-003	0.3233	0.0747	0.3980	0.0791	0.0701	0.1492	0.0000	928.7075	928.7075	0.1155	0.0000	931.5953
2022	0.4758	4.3463	4.0028	0.0132	0.5507	0.1453	0.6959	0.1400	0.1386	0.2786	0.0000	1,209.4424	1,209.4424	0.1393	0.0000	1,212.9246
2023	0.4722	2.9687	4.1221	0.0103	0.5156	0.1326	0.6482	0.1373	0.1270	0.2643	0.0000	910.5771	910.5771	0.0913	0.0000	912.8592
2024	0.7330	0.8553	1.2365	2.9700e-003	0.1371	0.0369	0.1740	0.0365	0.0352	0.0717	0.0000	262.5269	262.5269	0.0296	0.0000	263.2671
Maximum	**0.7330**	**4.3463**	**4.1221**	**0.0132**	**0.5507**	**0.1453**	**0.6959**	**0.1400**	**0.1386**	**0.2786**	**0.0000**	**1,209.4424**	**1,209.4424**	**0.1393**	**0.0000**	**1,212.9246**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2362	3.4937	1.9330	9.8100e-003	0.2949	0.0747	0.3696	0.0757	0.0701	0.1458	0.0000	928.7072	928.7072	0.1155	0.0000	931.5950
2022	0.4758	4.3463	4.0028	0.0132	0.5260	0.1453	0.6713	0.1372	0.1386	0.2758	0.0000	1,209.4419	1,209.4419	0.1393	0.0000	1,212.9241
2023	0.4722	2.9687	4.1221	0.0103	0.5156	0.1326	0.6482	0.1373	0.1270	0.2643	0.0000	910.5765	910.5765	0.0913	0.0000	912.8587
2024	0.7330	0.8553	1.2365	2.9700e-003	0.1371	0.0369	0.1740	0.0365	0.0352	0.0717	0.0000	262.5267	262.5267	0.0296	0.0000	263.2670
Maximum	**0.7330**	**4.3463**	**4.1221**	**0.0132**	**0.5260**	**0.1453**	**0.6713**	**0.1373**	**0.1386**	**0.2758**	**0.0000**	**1,209.4419**	**1,209.4419**	**0.1393**	**0.0000**	**1,212.9241**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**3.47**	**0.00**	**2.77**	**1.58**	**0.00**	**0.81**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
6	**1-22-2021**	**4-21-2021**	0.1492	0.1492
7	**4-22-2021**	**7-21-2021**	0.6463	0.6463
8	**7-22-2021**	**10-21-2021**	1.0443	1.0443
9	**10-22-2021**	**1-21-2022**	2.3026	2.3026
10	**1-22-2022**	**4-21-2022**	1.8186	1.8186
11	**4-22-2022**	**7-21-2022**	0.8641	0.8641
12	**7-22-2022**	**10-21-2022**	0.9521	0.9521
13	**10-22-2022**	**1-21-2023**	0.9385	0.9385
14	**1-22-2023**	**4-21-2023**	0.8524	0.8524
15	**4-22-2023**	**7-21-2023**	0.8567	0.8567
16	**7-22-2023**	**10-21-2023**	0.8677	0.8677
17	**10-22-2023**	**1-21-2024**	1.0410	1.0410
18	**1-22-2024**	**4-21-2024**	1.2243	1.2243
		Highest	2.3026	2.3026

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description

1	Demolition	Demolition	4/1/2021	9/30/2021	5	131	
2	Grading	Grading	10/1/2021	3/30/2022	5	129	
3	Mat Foundation	Building Construction	4/1/2022	4/4/2022	5	2	
4	Building Foundation	Building Construction	4/5/2022	5/31/2022	5	41	
5	Building Construction	Building Construction	6/1/2022	3/31/2024	5	478	
6	Paving	Paving	1/1/2024	3/31/2024	5	65	
7	Architectural Coating	Architectural Coating	1/1/2024	3/31/2024	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 64.5

Acres of Paving: 3.57

Residential Indoor: 300,998; Residential Outdoor: 100,333; Non-Residential Indoor: 36,887; Non-Residential Outdoor: 12,296; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Air Compressors	2	8.00	78	0.48
Grading	Bore/Drill Rigs	2	8.00	221	0.50
Grading	Cranes	1	8.00	231	0.29
Grading	Excavators	1	8.00	158	0.38
Grading	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Grading	Other Material Handling Equipment	1	8.00	168	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Mat Foundation	Cranes	1	8.00	231	0.29
Mat Foundation	Forklifts	1	8.00	89	0.20
Mat Foundation	Generator Sets	1	8.00	84	0.74
Mat Foundation	Pumps	4	8.00	84	0.74
Mat Foundation	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Mat Foundation	Welders	0	8.00	46	0.45
Building Foundation	Air Compressors	1	8.00	78	0.48
Building Foundation	Cranes	1	8.00	231	0.29
Building Foundation	Forklifts	1	8.00	89	0.20
Building Foundation	Generator Sets	0	8.00	84	0.74
Building Foundation	Plate Compactors	3	8.00	8	0.43
Building Foundation	Pumps	1	8.00	84	0.74
Building Foundation	Rubber Tired Loaders	1	8.00	203	0.36
Building Foundation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Foundation	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20

Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Plate Compactors	2	8.00	8	0.43
Building Construction	Pumps	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	50.00	0.00	2,620.00	14.70	6.90	52.00	LD_Mix	HDT_Mix	HHDT
Grading	10	60.00	5.00	8,127.00	14.70	6.90	52.00	LD_Mix	HDT_Mix	HHDT
Mat Foundation	7	60.00	348.00	0.00	14.70	13.80	20.00	LD_Mix	HHDT	HHDT
Building Foundation	9	60.00	64.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	350.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	20.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0900e-003	0.0000	6.0900e-003	9.2000e-004	0.0000	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0497	0.5183	0.4671	9.5000e-004		0.0226	0.0226		0.0208	0.0208	0.0000	83.5643	83.5643	0.0270	0.0000	84.2399
Total	**0.0497**	**0.5183**	**0.4671**	**9.5000e-004**	**6.0900e-003**	**0.0226**	**0.0287**	**9.2000e-004**	**0.0208**	**0.0217**	**0.0000**	**83.5643**	**83.5643**	**0.0270**	**0.0000**	**84.2399**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0228	0.7201	0.1742	2.3900e-003	0.0585	2.6900e-003	0.0612	0.0161	2.5700e-003	0.0186	0.0000	235.5411	235.5411	0.0151	0.0000	235.9177
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	0.0136	0.0101	0.1143	3.5000e-004	0.0359	2.7000e-004	0.0362	9.5400e-003	2.5000e-004	9.7900e-003	0.0000	31.3304	31.3304	8.4000e-004	0.0000	31.3514
Total	**0.0364**	**0.7302**	**0.2885**	**2.7400e-003**	**0.0944**	**2.9600e-003**	**0.0974**	**0.0256**	**2.8200e-003**	**0.0284**	**0.0000**	**266.8714**	**266.8714**	**0.0159**	**0.0000**	**267.2691**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3700e-003	0.0000	2.3700e-003	3.6000e-004	0.0000	3.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0497	0.5183	0.4671	9.5000e-004		0.0226	0.0226		0.0208	0.0208	0.0000	83.5642	83.5642	0.0270	0.0000	84.2398
Total	**0.0497**	**0.5183**	**0.4671**	**9.5000e-004**	**2.3700e-003**	**0.0226**	**0.0250**	**3.6000e-004**	**0.0208**	**0.0212**	**0.0000**	**83.5642**	**83.5642**	**0.0270**	**0.0000**	**84.2398**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0228	0.7201	0.1742	2.3900e-003	0.0585	2.6900e-003	0.0612	0.0161	2.5700e-003	0.0186	0.0000	235.5411	235.5411	0.0151	0.0000	235.9177
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0136	0.0101	0.1143	3.5000e-004	0.0359	2.7000e-004	0.0362	9.5400e-003	2.5000e-004	9.7900e-003	0.0000	31.3304	31.3304	8.4000e-004	0.0000	31.3514
Total	**0.0364**	**0.7302**	**0.2885**	**2.7400e-003**	**0.0944**	**2.9600e-003**	**0.0974**	**0.0256**	**2.8200e-003**	**0.0284**	**0.0000**	**266.8714**	**266.8714**	**0.0159**	**0.0000**	**267.2691**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0404	0.0000	0.0404	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1053	1.0803	0.8279	2.0800e-003		0.0447	0.0447		0.0422	0.0422	0.0000	181.5148	181.5148	0.0479	0.0000	182.7123
Total	**0.1053**	**1.0803**	**0.8279**	**2.0800e-003**	**0.0404**	**0.0447**	**0.0851**	**4.6300e-003**	**0.0422**	**0.0469**	**0.0000**	**181.5148**	**181.5148**	**0.0479**	**0.0000**	**182.7123**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0361	1.1428	0.2764	3.7900e-003	0.1596	4.2600e-003	0.1639	0.0419	4.0800e-003	0.0459	0.0000	373.8091	373.8091	0.0239	0.0000	374.4068
Vendor	4.7000e-004	0.0161	4.0600e-003	4.0000e-005	1.0400e-003	3.0000e-005	1.0700e-003	3.0000e-004	3.0000e-005	3.3000e-004	0.0000	4.0063	4.0063	2.6000e-004	0.0000	4.0128
Worker	8.2300e-003	6.1100e-003	0.0691	2.1000e-004	0.0217	1.6000e-004	0.0219	5.7700e-003	1.5000e-004	5.9200e-003	0.0000	18.9417	18.9417	5.1000e-004	0.0000	18.9545
Total	**0.0448**	**1.1649**	**0.3496**	**4.0400e-003**	**0.1824**	**4.4500e-003**	**0.1868**	**0.0479**	**4.2600e-003**	**0.0522**	**0.0000**	**396.7571**	**396.7571**	**0.0247**	**0.0000**	**397.3740**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0158	0.0000	0.0158	1.8100e-003	0.0000	1.8100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1053	1.0803	0.8279	2.0800e-003		0.0447	0.0447		0.0422	0.0422	0.0000	181.5146	181.5146	0.0479	0.0000	182.7121
Total	**0.1053**	**1.0803**	**0.8279**	**2.0800e-003**	**0.0158**	**0.0447**	**0.0605**	**1.8100e-003**	**0.0422**	**0.0440**	**0.0000**	**181.5146**	**181.5146**	**0.0479**	**0.0000**	**182.7121**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0361	1.1428	0.2764	3.7900e-003	0.1596	4.2600e-003	0.1639	0.0419	4.0800e-003	0.0459	0.0000	373.8091	373.8091	0.0239	0.0000	374.4068
Vendor	4.7000e-004	0.0161	4.0600e-003	4.0000e-005	1.0400e-003	3.0000e-005	1.0700e-003	3.0000e-004	3.0000e-005	3.3000e-004	0.0000	4.0063	4.0063	2.6000e-004	0.0000	4.0128
Worker	8.2300e-003	6.1100e-003	0.0691	2.1000e-004	0.0217	1.6000e-004	0.0219	5.7700e-003	1.5000e-004	5.9200e-003	0.0000	18.9417	18.9417	5.1000e-004	0.0000	18.9545
Total	**0.0448**	**1.1649**	**0.3496**	**4.0400e-003**	**0.1824**	**4.4500e-003**	**0.1868**	**0.0479**	**4.2600e-003**	**0.0522**	**0.0000**	**396.7571**	**396.7571**	**0.0247**	**0.0000**	**397.3740**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0404	0.0000	0.0404	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0905	0.8727	0.7799	1.9800e-003		0.0366	0.0366		0.0346	0.0346	0.0000	173.3482	173.3482	0.0456	0.0000	174.4885
Total	**0.0905**	**0.8727**	**0.7799**	**1.9800e-003**	**0.0404**	**0.0366**	**0.0770**	**4.6300e-003**	**0.0346**	**0.0392**	**0.0000**	**173.3482**	**173.3482**	**0.0456**	**0.0000**	**174.4885**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0328	0.9959	0.2617	3.5700e-003	0.1586	3.5200e-003	0.1621	0.0415	3.3700e-003	0.0449	0.0000	352.4434	352.4434	0.0226	0.0000	353.0094
Vendor	4.2000e-004	0.0145	3.6700e-003	4.0000e-005	9.9000e-004	3.0000e-005	1.0200e-003	2.9000e-004	3.0000e-005	3.1000e-004	0.0000	3.7904	3.7904	2.4000e-004	0.0000	3.7964
Worker	7.3800e-003	5.2700e-003	0.0609	1.9000e-004	0.0207	1.5000e-004	0.0209	5.5100e-003	1.4000e-004	5.6500e-003	0.0000	17.4331	17.4331	4.4000e-004	0.0000	17.4441
Total	**0.0406**	**1.0158**	**0.3262**	**3.8000e-003**	**0.1803**	**3.7000e-003**	**0.1840**	**0.0473**	**3.5400e-003**	**0.0508**	**0.0000**	**373.6669**	**373.6669**	**0.0233**	**0.0000**	**374.2499**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0158	0.0000	0.0158	1.8100e-003	0.0000	1.8100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0905	0.8727	0.7799	1.9800e-003		0.0366	0.0366		0.0346	0.0346	0.0000	173.3480	173.3480	0.0456	0.0000	174.4883
Total	**0.0905**	**0.8727**	**0.7799**	**1.9800e-003**	**0.0158**	**0.0366**	**0.0523**	**1.8100e-003**	**0.0346**	**0.0364**	**0.0000**	**173.3480**	**173.3480**	**0.0456**	**0.0000**	**174.4883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0328	0.9959	0.2617	3.5700e-003	0.1586	3.5200e-003	0.1621	0.0415	3.3700e-003	0.0449	0.0000	352.4434	352.4434	0.0226	0.0000	353.0094
Vendor	4.2000e-004	0.0145	3.6700e-003	4.0000e-005	9.9000e-004	3.0000e-005	1.0200e-003	2.9000e-004	3.0000e-005	3.1000e-004	0.0000	3.7904	3.7904	2.4000e-004	0.0000	3.7964
Worker	7.3800e-003	5.2700e-003	0.0609	1.9000e-004	0.0207	1.5000e-004	0.0209	5.5100e-003	1.4000e-004	5.6500e-003	0.0000	17.4331	17.4331	4.4000e-004	0.0000	17.4441
Total	**0.0406**	**1.0158**	**0.3262**	**3.8000e-003**	**0.1803**	**3.7000e-003**	**0.1840**	**0.0473**	**3.5400e-003**	**0.0508**	**0.0000**	**373.6669**	**373.6669**	**0.0233**	**0.0000**	**374.2499**

3.4 Mat Foundation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2200e-003	0.0200	0.0217	4.0000e-005		1.0100e-003	1.0100e-003		9.9000e-004	9.9000e-004	0.0000	3.4673	3.4673	3.5000e-004	0.0000	3.4760
Total	**2.2200e-003**	**0.0200**	**0.0217**	**4.0000e-005**		**1.0100e-003**	**1.0100e-003**		**9.9000e-004**	**9.9000e-004**	**0.0000**	**3.4673**	**3.4673**	**3.5000e-004**	**0.0000**	**3.4760**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9200e-003	0.0689	0.0153	1.9000e-004	4.1300e-003	1.7000e-004	4.3000e-003	1.1300e-003	1.6000e-004	1.3000e-003	0.0000	18.8286	18.8286	1.4400e-003	0.0000	18.8647
Worker	2.3000e-004	1.7000e-004	1.9300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5534	0.5534	1.0000e-005	0.0000	0.5538
Total	**2.1500e-003**	**0.0691**	**0.0172**	**2.0000e-004**	**4.7900e-003**	**1.7000e-004**	**4.9600e-003**	**1.3000e-003**	**1.6000e-004**	**1.4800e-003**	**0.0000**	**19.3820**	**19.3820**	**1.4500e-003**	**0.0000**	**19.4185**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2200e-003	0.0200	0.0217	4.0000e-005		1.0100e-003	1.0100e-003		9.9000e-004	9.9000e-004	0.0000	3.4673	3.4673	3.5000e-004	0.0000	3.4760
Total	**2.2200e-003**	**0.0200**	**0.0217**	**4.0000e-005**		**1.0100e-003**	**1.0100e-003**		**9.9000e-004**	**9.9000e-004**	**0.0000**	**3.4673**	**3.4673**	**3.5000e-004**	**0.0000**	**3.4760**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9200e-003	0.0689	0.0153	1.9000e-004	4.1300e-003	1.7000e-004	4.3000e-003	1.1300e-003	1.6000e-004	1.3000e-003	0.0000	18.8286	18.8286	1.4400e-003	0.0000	18.8647
Worker	2.3000e-004	1.7000e-004	1.9300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5534	0.5534	1.0000e-005	0.0000	0.5538
Total	**2.1500e-003**	**0.0691**	**0.0172**	**2.0000e-004**	**4.7900e-003**	**1.7000e-004**	**4.9600e-003**	**1.3000e-003**	**1.6000e-004**	**1.4800e-003**	**0.0000**	**19.3820**	**19.3820**	**1.4500e-003**	**0.0000**	**19.4185**

3.5 Building Foundation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0346	0.3186	0.2787	5.9000e-004		0.0150	0.0150		0.0142	0.0142	0.0000	50.5010	50.5010	0.0110	0.0000	50.7748
Total	**0.0346**	**0.3186**	**0.2787**	**5.9000e-004**		**0.0150**	**0.0150**		**0.0142**	**0.0142**	**0.0000**	**50.5010**	**50.5010**	**0.0110**	**0.0000**	**50.7748**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5400e-003	0.1211	0.0305	3.2000e-004	8.2700e-003	2.3000e-004	8.4900e-003	2.3900e-003	2.2000e-004	2.6000e-003	0.0000	31.5748	31.5748	1.9800e-003	0.0000	31.6244
Worker	4.8000e-003	3.4300e-003	0.0396	1.3000e-004	0.0135	1.0000e-004	0.0136	3.5800e-003	9.0000e-005	3.6700e-003	0.0000	11.3454	11.3454	2.9000e-004	0.0000	11.3525
Total	**8.3400e-003**	**0.1245**	**0.0702**	**4.5000e-004**	**0.0218**	**3.3000e-004**	**0.0221**	**5.9700e-003**	**3.1000e-004**	**6.2700e-003**	**0.0000**	**42.9202**	**42.9202**	**2.2700e-003**	**0.0000**	**42.9769**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0346	0.3186	0.2787	5.9000e-004		0.0150	0.0150		0.0142	0.0142	0.0000	50.5009	50.5009	0.0110	0.0000	50.7747
Total	**0.0346**	**0.3186**	**0.2787**	**5.9000e-004**		**0.0150**	**0.0150**		**0.0142**	**0.0142**	**0.0000**	**50.5009**	**50.5009**	**0.0110**	**0.0000**	**50.7747**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5400e-003	0.1211	0.0305	3.2000e-004	8.2700e-003	2.3000e-004	8.4900e-003	2.3900e-003	2.2000e-004	2.6000e-003	0.0000	31.5748	31.5748	1.9800e-003	0.0000	31.6244
Worker	4.8000e-003	3.4300e-003	0.0396	1.3000e-004	0.0135	1.0000e-004	0.0136	3.5800e-003	9.0000e-005	3.6700e-003	0.0000	11.3454	11.3454	2.9000e-004	0.0000	11.3525
Total	**8.3400e-003**	**0.1245**	**0.0702**	**4.5000e-004**	**0.0218**	**3.3000e-004**	**0.0221**	**5.9700e-003**	**3.1000e-004**	**6.2700e-003**	**0.0000**	**42.9202**	**42.9202**	**2.2700e-003**	**0.0000**	**42.9769**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1888	1.7098	1.6104	3.0400e-003		0.0862	0.0862		0.0826	0.0826	0.0000	262.3665	262.3665	0.0468	0.0000	263.5364
Total	**0.1888**	**1.7098**	**1.6104**	**3.0400e-003**		**0.0862**	**0.0862**		**0.0826**	**0.0826**	**0.0000**	**262.3665**	**262.3665**	**0.0468**	**0.0000**	**263.5364**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1300e-003	0.1412	0.0356	3.8000e-004	9.6400e-003	2.6000e-004	9.9100e-003	2.7800e-003	2.5000e-004	3.0300e-003	0.0000	36.8212	36.8212	2.3100e-003	0.0000	36.8790
Worker	0.1045	0.0746	0.8629	2.7300e-003	0.2938	2.1500e-003	0.2959	0.0780	1.9800e-003	0.0800	0.0000	246.9691	246.9691	6.2300e-003	0.0000	247.1247
Total	**0.1086**	**0.2158**	**0.8985**	**3.1100e-003**	**0.3034**	**2.4100e-003**	**0.3058**	**0.0808**	**2.2300e-003**	**0.0830**	**0.0000**	**283.7903**	**283.7903**	**8.5400e-003**	**0.0000**	**284.0037**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1888	1.7098	1.6104	3.0400e-003		0.0862	0.0862		0.0826	0.0826	0.0000	262.3662	262.3662	0.0468	0.0000	263.5360
Total	**0.1888**	**1.7098**	**1.6104**	**3.0400e-003**		**0.0862**	**0.0862**		**0.0826**	**0.0826**	**0.0000**	**262.3662**	**262.3662**	**0.0468**	**0.0000**	**263.5360**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1300e-003	0.1412	0.0356	3.8000e-004	9.6400e-003	2.6000e-004	9.9100e-003	2.7800e-003	2.5000e-004	3.0300e-003	0.0000	36.8212	36.8212	2.3100e-003	0.0000	36.8790
Worker	0.1045	0.0746	0.8629	2.7300e-003	0.2938	2.1500e-003	0.2959	0.0780	1.9800e-003	0.0800	0.0000	246.9691	246.9691	6.2300e-003	0.0000	247.1247
Total	**0.1086**	**0.2158**	**0.8985**	**3.1100e-003**	**0.3034**	**2.4100e-003**	**0.3058**	**0.0808**	**2.2300e-003**	**0.0830**	**0.0000**	**283.7903**	**283.7903**	**8.5400e-003**	**0.0000**	**284.0037**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2998	2.6740	2.7158	5.1700e-003		0.1289	0.1289		0.1235	0.1235	0.0000	445.8888	445.8888	0.0783	0.0000	447.8460
Total	**0.2998**	**2.6740**	**2.7158**	**5.1700e-003**		**0.1289**	**0.1289**		**0.1235**	**0.1235**	**0.0000**	**445.8888**	**445.8888**	**0.0783**	**0.0000**	**447.8460**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2100e-003	0.1800	0.0542	6.2000e-004	0.0164	2.1000e-004	0.0166	4.7300e-003	2.0000e-004	4.9300e-003	0.0000	60.6402	60.6402	3.4600e-003	0.0000	60.7268
Worker	0.1672	0.1147	1.3520	4.4700e-003	0.4992	3.5600e-003	0.5028	0.1326	3.2800e-003	0.1359	0.0000	404.0481	404.0481	9.5400e-003	0.0000	404.2864
Total	**0.1724**	**0.2947**	**1.4062**	**5.0900e-003**	**0.5156**	**3.7700e-003**	**0.5194**	**0.1373**	**3.4800e-003**	**0.1408**	**0.0000**	**464.6883**	**464.6883**	**0.0130**	**0.0000**	**465.0132**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2998	2.6740	2.7158	5.1700e-003		0.1289	0.1289		0.1235	0.1235	0.0000	445.8883	445.8883	0.0783	0.0000	447.8454
Total	**0.2998**	**2.6740**	**2.7158**	**5.1700e-003**		**0.1289**	**0.1289**		**0.1235**	**0.1235**	**0.0000**	**445.8883**	**445.8883**	**0.0783**	**0.0000**	**447.8454**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2100e-003	0.1800	0.0542	6.2000e-004	0.0164	2.1000e-004	0.0166	4.7300e-003	2.0000e-004	4.9300e-003	0.0000	60.6402	60.6402	3.4600e-003	0.0000	60.7268
Worker	0.1672	0.1147	1.3520	4.4700e-003	0.4992	3.5600e-003	0.5028	0.1326	3.2800e-003	0.1359	0.0000	404.0481	404.0481	9.5400e-003	0.0000	404.2864
Total	**0.1724**	**0.2947**	**1.4062**	**5.0900e-003**	**0.5156**	**3.7700e-003**	**0.5194**	**0.1373**	**3.4800e-003**	**0.1408**	**0.0000**	**464.6883**	**464.6883**	**0.0130**	**0.0000**	**465.0132**

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0705	0.6218	0.6744	1.2900e-003		0.0285	0.0285		0.0273	0.0273	0.0000	111.4771	111.4771	0.0194	0.0000	111.9629
Total	**0.0705**	**0.6218**	**0.6744**	**1.2900e-003**		**0.0285**	**0.0285**		**0.0273**	**0.0273**	**0.0000**	**111.4771**	**111.4771**	**0.0194**	**0.0000**	**111.9629**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2700e-003	0.0449	0.0132	1.6000e-004	4.1000e-003	5.0000e-005	4.1500e-003	1.1800e-003	5.0000e-005	1.2300e-003	0.0000	15.1057	15.1057	8.5000e-004	0.0000	15.1270
Worker	0.0396	0.0261	0.3152	1.0800e-003	0.1248	8.8000e-004	0.1257	0.0331	8.1000e-004	0.0340	0.0000	97.6754	97.6754	2.1800e-003	0.0000	97.7299
Total	**0.0409**	**0.0710**	**0.3283**	**1.2400e-003**	**0.1289**	**9.3000e-004**	**0.1298**	**0.0343**	**8.6000e-004**	**0.0352**	**0.0000**	**112.7811**	**112.7811**	**3.0300e-003**	**0.0000**	**112.8570**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0705	0.6218	0.6744	1.2900e-003		0.0285	0.0285		0.0273	0.0273	0.0000	111.4770	111.4770	0.0194	0.0000	111.9627
Total	**0.0705**	**0.6218**	**0.6744**	**1.2900e-003**		**0.0285**	**0.0285**		**0.0273**	**0.0273**	**0.0000**	**111.4770**	**111.4770**	**0.0194**	**0.0000**	**111.9627**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2700e-003	0.0449	0.0132	1.6000e-004	4.1000e-003	5.0000e-005	4.1500e-003	1.1800e-003	5.0000e-005	1.2300e-003	0.0000	15.1057	15.1057	8.5000e-004	0.0000	15.1270
Worker	0.0396	0.0261	0.3152	1.0800e-003	0.1248	8.8000e-004	0.1257	0.0331	8.1000e-004	0.0340	0.0000	97.6754	97.6754	2.1800e-003	0.0000	97.7299

Total	**0.0409**	**0.0710**	**0.3283**	**1.2400e-003**	**0.1289**	**9.3000e-004**	**0.1298**	**0.0343**	**8.6000e-004**	**0.0352**	**0.0000**	**112.7811**	**112.7811**	**3.0300e-003**	**0.0000**	**112.8570**

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0120	0.1101	0.1537	2.4000e-004		5.4400e-003	5.4400e-003		5.0400e-003	5.0400e-003	0.0000	20.6127	20.6127	6.3400e-003	0.0000	20.7712
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.1101**	**0.1537**	**2.4000e-004**		**5.4400e-003**	**5.4400e-003**		**5.0400e-003**	**5.0400e-003**	**0.0000**	**20.6127**	**20.6127**	**6.3400e-003**	**0.0000**	**20.7712**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2000e-004	0.0112	3.2900e-003	4.0000e-005	1.0200e-003	1.0000e-005	1.0400e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	3.7764	3.7764	2.1000e-004	0.0000	3.7818
Worker	2.2600e-003	1.4900e-003	0.0180	6.0000e-005	7.1300e-003	5.0000e-005	7.1800e-003	1.8900e-003	5.0000e-005	1.9400e-003	0.0000	5.5815	5.5815	1.2000e-004	0.0000	5.5846
Total	**2.5800e-003**	**0.0127**	**0.0213**	**1.0000e-004**	**8.1500e-003**	**6.0000e-005**	**8.2200e-003**	**2.1900e-003**	**6.0000e-005**	**2.2500e-003**	**0.0000**	**9.3579**	**9.3579**	**3.3000e-004**	**0.0000**	**9.3663**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0120	0.1101	0.1537	2.4000e-004		5.4400e-003	5.4400e-003		5.0400e-003	5.0400e-003	0.0000	20.6127	20.6127	6.3400e-003	0.0000	20.7712
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.1101**	**0.1537**	**2.4000e-004**		**5.4400e-003**	**5.4400e-003**		**5.0400e-003**	**5.0400e-003**	**0.0000**	**20.6127**	**20.6127**	**6.3400e-003**	**0.0000**	**20.7712**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	3.2000e-004	0.0112	3.2900e-003	4.0000e-005	1.0200e-003	1.0000e-005	1.0400e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	3.7764	3.7764	2.1000e-004	0.0000	3.7818
Worker	2.2600e-003	1.4900e-003	0.0180	6.0000e-005	7.1300e-003	5.0000e-005	7.1800e-003	1.8900e-003	5.0000e-005	1.9400e-003	0.0000	5.5815	5.5815	1.2000e-004	0.0000	5.5846
Total	**2.5800e-003**	**0.0127**	**0.0213**	**1.0000e-004**	**8.1500e-003**	**6.0000e-005**	**8.2200e-003**	**2.1900e-003**	**6.0000e-005**	**2.2500e-003**	**0.0000**	**9.3579**	**9.3579**	**3.3000e-004**	**0.0000**	**9.3663**

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6011					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8700e-003	0.0396	0.0588	1.0000e-004		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	8.2981	8.2981	4.7000e-004	0.0000	8.3098
Total	**0.6070**	**0.0396**	**0.0588**	**1.0000e-004**		**1.9800e-003**	**1.9800e-003**		**1.9800e-003**	**1.9800e-003**	**0.0000**	**8.2981**	**8.2981**	**4.7000e-004**	**0.0000**	**8.3098**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6011					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8700e-003	0.0396	0.0588	1.0000e-004		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	8.2981	8.2981	4.7000e-004	0.0000	8.3098
Total	**0.6070**	**0.0396**	**0.0588**	**1.0000e-004**		**1.9800e-003**	**1.9800e-003**		**1.9800e-003**	**1.9800e-003**	**0.0000**	**8.2981**	**8.2981**	**4.7000e-004**	**0.0000**	**8.3098**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e

Mt. Lebanon
Construction Annual Emissions

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mt. Lebanon

Construction Emissions (Annual Diesel Particulate Matter)

CalEEMod Output (tons/year)

Phase No.	Phase	Year	Mitigated	On/Off Site	Category	Exhaust PM10
2	Demolition	2021	Mitigated	On-site	Off-Road	0.0226
3	Grading	2021	Mitigated	On-site	Off-Road	0.0447
3	Grading	2022	Mitigated	On-site	Off-Road	0.0366
4	Mat Foundation	2022	Mitigated	On-site	Off-Road	0.00101
5	Building Foundation	2022	Mitigated	On-site	Off-Road	0.015
6	Building Construction	2022	Mitigated	On-site	Off-Road	0.0862
6	Building Construction	2023	Mitigated	On-site	Off-Road	0.1289
6	Building Construction	2024	Mitigated	On-site	Off-Road	0.0285
7	Paving	2024	Mitigated	On-site	Off-Road	0.00544
8	Architectural Coating	2024	Mitigated	On-site	Off-Road	0.00198

Annual Totals (tons)

Daily Max to Annual Ratio for Demolition	**80%**	Typical daily activity is reduced as peak day is representative of the removal of the three exisitng buildings and the deconstruction of the existing cathederal requires less equipment over the entire duration.
Daily Max to Annual Ratio for Excavation	**100%**	Typical daily activity is based on maximum daily activity for export in the reasonably shortest time.
Daily Max to Annual Ratio for Mat Foundation	**100%**	Represents two days of peak concrete pours
Daily Max to Annual Ratio for Building Foundation	**60%**	Reduced to account for average daily concrete pour days
Daily Max to Annual Ratio for Building Construction	**60%**	Typical daily activity is reduced as peak daiy is representative of overalp of reassembling the cathedral and building construction. Mobile crane usage would diminish with use of electric tower cranes.
Daily Max to Annual Ratio for Paving	**80%**	Typical daily activitiy is reduced to account for prep days and paving operations would occur on a limited number of days.
Daily Max to Annual Ratio for Architectural Coatings	**80%**	Typical daily activity is reduced as peak painting operations would not be expected everyday at maximum daily activitiy.

Year	Totals (tons/year)
2021	0.0628
2022	0.0983
2023	0.0773
2024	0.0230
Total	0.2615

Construction Duration (years)	3
Hours per Day	8
Seconds per Day	28,800
Construction Duration (seconds)	31,536,000
Annual Average Emission Rate (g/s)	**0.0075**

Mt Lebanon

Operational HRA - On-site Truck Emissions

Diesel Particulate Emission Factors - T7 Single Truck (EMFAC2014 - Year 2023)

Speed	g/mi	
5	0.0100	Idle emission factor

Emissions Calculations (Loading Docks)

Land Use	TSF	Truck Trips/TSF	Truck Trips
Multi-Family (158 du)	148.641	0.011	1.6
Religious Institution	31.439	0.018	0.6
Total	180.08		2.2

National Cooperative Highway Research Program (NCHRP) Synthesis 298 Truck Trip Generation Data, 2001, http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_298.pdf.

Parameter	Value	
Average Trucks per Day	**3**	
Days per Year	312	6 days per week
Trucks per Year	936	
Idle time per Truck (min)	15	5 minutes x 3 (enter, loading, exit)
Idle time per Truck (hrs)	0.25	
Idle time per year (hrs)	234	
Idle Emission Factor (g/hr)	0.0100	
Idle emissions per year (g)	2.33	
Annual Idle emission rate (g/s)	**2.22E-07**	8-hour operation
Total Emission Rate (g/s)	**2.22E-07**	AERMOD Input - Idle + Travel + TRU

Source: EMFAC2021 (v1.0.1) Emission Rates
Region Type: Air Basin
Region: South Coast
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM2.5_RUNEX	PM10_RUNEX
South Coast	2023	T7 Tractor Class 8	Aggregate	5	Diesel	0.010	0.010
South Coast	2023	T7 Tractor Class 8	Aggregate	15	Diesel	0.007	0.007

Appendix B

Carcinogenic and Non-Carcinogenic Risk Calculations

Mt. Lebanon - Construction and Operational Health Risk Assessment

Cancer Risk Calculations

Residential Receptor - 70 year Exposure Duration

Diesel Particulate Matter Emission Rate Calculation / Scaler

Year -->	2021-2024	2024-2090
Average Annual Emission Rate (g/s)[a]	7.52E-03	2.22E-07
Scaler Concentration (ug/m3)[b]	61.78	223.5
Diesel Particulate Concentration (ug/m3)	0.465	5.0E-05

Cancer Risk Calculations - DPM

Parameter	2021-2023	2024-2090	Total
Breathing Rate	393	393	
Exposure Frequency (EF)	350	350	
Exposure Duration (ED) (years)	**3.00**	**67.00**	**70**
AT	25550	25550	
70-Year (Lifetime) Concentration (ug/m3)	4.65E-01	4.95E-05	
70-Year (Lifetime) Dose (mg/kg-d)	1.75E-04	1.87E-08	
Carcinogen Potency (CPF) $(mg/kg\text{-}d)^{-1}$			
- Diesel Particulate Matter	1.1	1.1	
Cancer Risk	8.26E-06	1.97E-08	8.27E-06
Risk per Million (DPM)	**8.3**	**0.02**	**8.3**

[a] Emissions based on a 36-month average

[b] Scaler concentration based on an AERMOD emission rate of 1 g/s, 8-hours per day

Chronic Risk Calculations - DPM

Receptor	Annual Concentration (ug/m3)	Chronic Inhalation REL (ug/m3)	Chronic Risk (HI)
Residential	4.6E-01	5	9.3E-02

Appendix C

AERMOD Source-Receptor Configuration Figures and Output File

PROJECT TITLE:

C:\AERMOD\MtLebanon\MtLebanon.isc

Terrain Contours meters

42.2 50.0 57.2

COMMENTS: Mt Lebanon Source Receptor Diagram Construction	SOURCES: **2**	COMPANY NAME:	
	RECEPTORS: **333**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:1,379 0 0.05 km	
	MAX: **61.8 ug/m^3**	DATE: **10/27/2021**	PROJECT NO.:

PROJECT TITLE:

C:\AERMOD\MtLebanon\MtLebanon.isc

Terrain Contours meters

42.2 | 50.0 | 57.2

COMMENTS: Mt Lebanon Source Receptor Diagram Operations (Loading Dock)	SOURCES: **2**	COMPANY NAME:	
	RECEPTORS: **333**	MODELER:	
	OUTPUT TYPE: **Concentration**	SCALE: 1:1,379 0 0.05 km	
	MAX: **223 ug/m^3**	DATE: **10/27/2021**	PROJECT NO.:

```
** Lakes Environmental AERMOD MPI
**
**********************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.0.1
** Lakes Environmental Software Inc.
** Date: 10/27/2021
** File: C:\AERMOD\MtLebanon\MtLebanon.ADI
**
**********************************************
**
**
**********************************************
** AERMOD Control Pathway
**********************************************
**
**
CO STARTING
   TITLEONE C:\AERMOD\MtLebanon\MtLebanon.isc
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 9818605 Los_Angeles_County_Population
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL MtLebanon.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 = LOADINGDOCK
** DESCRSRC Loading Dock
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 2
** 372858.862, 3771079.776, 48.44, 3.66, 0.61
** 372894.549, 3771079.525, 48.16, 3.66, 0.61
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   LOCATION L0002124     VOLUME   372861.362 3771079.758 48.40
   LOCATION L0002125     VOLUME   372866.362 3771079.723 48.37
   LOCATION L0002126     VOLUME   372871.362 3771079.688 48.34
   LOCATION L0002127     VOLUME   372876.362 3771079.653 48.31
   LOCATION L0002128     VOLUME   372881.362 3771079.617 48.28
   LOCATION L0002129     VOLUME   372886.362 3771079.582 48.15
   LOCATION L0002130     VOLUME   372891.361 3771079.547 48.01
** End of LINE VOLUME Source ID = LOADINGDOCK
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = CONST2
** DESCRSRC Construction 2
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 23
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** 372898.148, 3771074.784, 47.64, 3.66, 2.33
** 372899.503, 3771069.120, 47.54, 3.66, 2.33
** 372810.481, 3771071.336, 47.71, 3.66, 2.33
** 372810.973, 3771063.086, 47.72, 3.66, 2.33
** 372899.995, 3771062.717, 47.48, 3.66, 2.33
** 372900.857, 3771054.837, 47.49, 3.66, 2.33
** 372810.727, 3771056.684, 47.74, 3.66, 2.33
** 372810.727, 3771052.128, 47.73, 3.66, 2.33
** 372901.350, 3771051.020, 47.47, 3.66, 2.33
** 372901.473, 3771045.233, 47.30, 3.66, 2.33
** 372810.481, 3771048.804, 47.50, 3.66, 2.33
** 372810.358, 3771044.494, 47.52, 3.66, 2.33
** 372901.103, 3771040.800, 47.30, 3.66, 2.33
** 372901.103, 3771035.629, 47.29, 3.66, 2.33
** 372816.268, 3771041.539, 47.48, 3.66, 2.33
** 372827.842, 3771037.845, 47.42, 3.66, 2.33
** 372900.611, 3771032.304, 47.29, 3.66, 2.33
** 372904.182, 3771031.196, 47.28, 3.66, 2.33
** 372903.566, 3771026.271, 47.25, 3.66, 2.33
** 372854.068, 3771033.536, 47.28, 3.66, 2.33
** 372876.847, 3771026.887, 47.46, 3.66, 2.33
** 372895.070, 3771021.715, 47.22, 3.66, 2.33
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   LOCATION L0005177     VOLUME   372818.226 3771075.909 47.99
   LOCATION L0005178     VOLUME   372823.226 3771075.839 48.07
   LOCATION L0005179     VOLUME   372828.225 3771075.768 48.15
   LOCATION L0005180     VOLUME   372833.225 3771075.698 48.21
   LOCATION L0005181     VOLUME   372838.224 3771075.628 48.24
   LOCATION L0005182     VOLUME   372843.224 3771075.557 48.28
   LOCATION L0005183     VOLUME   372848.223 3771075.487 48.32
   LOCATION L0005184     VOLUME   372853.223 3771075.416 48.36
   LOCATION L0005185     VOLUME   372858.222 3771075.346 48.37
   LOCATION L0005186     VOLUME   372863.222 3771075.276 48.33
   LOCATION L0005187     VOLUME   372868.221 3771075.205 48.29
   LOCATION L0005188     VOLUME   372873.221 3771075.135 48.26
   LOCATION L0005189     VOLUME   372878.220 3771075.064 48.22
   LOCATION L0005190     VOLUME   372883.220 3771074.994 48.16
   LOCATION L0005191     VOLUME   372888.219 3771074.923 48.02
   LOCATION L0005192     VOLUME   372893.219 3771074.853 47.89
   LOCATION L0005193     VOLUME   372898.165 3771074.715 47.75
   LOCATION L0005194     VOLUME   372899.327 3771069.852 47.65
   LOCATION L0005195     VOLUME   372895.257 3771069.225 47.74
   LOCATION L0005196     VOLUME   372890.259 3771069.350 47.87
   LOCATION L0005197     VOLUME   372885.260 3771069.474 48.00
   LOCATION L0005198     VOLUME   372880.262 3771069.599 48.10
   LOCATION L0005199     VOLUME   372875.263 3771069.723 48.15
   LOCATION L0005200     VOLUME   372870.265 3771069.848 48.19
   LOCATION L0005201     VOLUME   372865.267 3771069.972 48.24
   LOCATION L0005202     VOLUME   372860.268 3771070.097 48.28
   LOCATION L0005203     VOLUME   372855.270 3771070.221 48.31
   LOCATION L0005204     VOLUME   372850.271 3771070.345 48.27
   LOCATION L0005205     VOLUME   372845.273 3771070.470 48.23
   LOCATION L0005206     VOLUME   372840.274 3771070.594 48.19
   LOCATION L0005207     VOLUME   372835.276 3771070.719 48.15
   LOCATION L0005208     VOLUME   372830.277 3771070.843 48.10
   LOCATION L0005209     VOLUME   372825.279 3771070.968 48.03
   LOCATION L0005210     VOLUME   372820.281 3771071.092 47.95
   LOCATION L0005211     VOLUME   372815.282 3771071.217 47.87
   LOCATION L0005212     VOLUME   372810.493 3771071.139 47.79
   LOCATION L0005213     VOLUME   372810.791 3771066.148 47.74
   LOCATION L0005214     VOLUME   372812.906 3771063.078 47.74
   LOCATION L0005215     VOLUME   372817.906 3771063.058 47.81
   LOCATION L0005216     VOLUME   372822.906 3771063.037 47.87
   LOCATION L0005217     VOLUME   372827.906 3771063.016 47.93
   LOCATION L0005218     VOLUME   372832.906 3771062.995 47.98
   LOCATION L0005219     VOLUME   372837.906 3771062.975 48.02
   LOCATION L0005220     VOLUME   372842.906 3771062.954 48.06
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LOCATION L0005222 VOLUME 372852.906 3771062.912 48.13
LOCATION L0005223 VOLUME 372857.906 3771062.892 48.14
LOCATION L0005224 VOLUME 372862.906 3771062.871 48.11
LOCATION L0005225 VOLUME 372867.906 3771062.850 48.07
LOCATION L0005226 VOLUME 372872.906 3771062.829 48.04
LOCATION L0005227 VOLUME 372877.906 3771062.809 48.00
LOCATION L0005228 VOLUME 372882.906 3771062.788 47.95
LOCATION L0005229 VOLUME 372887.906 3771062.767 47.84
LOCATION L0005230 VOLUME 372892.906 3771062.747 47.72
LOCATION L0005231 VOLUME 372897.906 3771062.726 47.60
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LOCATION L0005236 VOLUME 372885.877 3771055.144 47.78
LOCATION L0005237 VOLUME 372880.878 3771055.246 47.86
LOCATION L0005238 VOLUME 372875.879 3771055.349 47.88
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LOCATION L0005244 VOLUME 372845.885 3771055.963 47.89
LOCATION L0005245 VOLUME 372840.886 3771056.066 47.87
LOCATION L0005246 VOLUME 372835.887 3771056.168 47.85
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LOCATION L0005248 VOLUME 372825.889 3771056.373 47.79
LOCATION L0005249 VOLUME 372820.890 3771056.476 47.75
LOCATION L0005250 VOLUME 372815.892 3771056.578 47.71
LOCATION L0005251 VOLUME 372810.893 3771056.680 47.67
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LOCATION L0005256 VOLUME 372831.004 3771051.880 47.74
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LOCATION L0005258 VOLUME 372841.004 3771051.758 47.76
LOCATION L0005259 VOLUME 372846.003 3771051.697 47.77
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LOCATION L0005262 VOLUME 372861.002 3771051.513 47.79
LOCATION L0005263 VOLUME 372866.002 3771051.452 47.79
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LOCATION L0005266 VOLUME 372881.001 3771051.269 47.80
LOCATION L0005267 VOLUME 372886.000 3771051.208 47.72
LOCATION L0005268 VOLUME 372891.000 3771051.146 47.64
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LOCATION L0005270 VOLUME 372900.999 3771051.024 47.46
LOCATION L0005271 VOLUME 372901.448 3771046.371 47.42
LOCATION L0005272 VOLUME 372897.614 3771045.384 47.47
LOCATION L0005273 VOLUME 372892.618 3771045.580 47.55
LOCATION L0005274 VOLUME 372887.622 3771045.776 47.63
LOCATION L0005275 VOLUME 372882.626 3771045.972 47.71
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LOCATION L0005283 VOLUME 372842.657 3771047.541 47.65
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LOCATION L0005285 VOLUME 372832.664 3771047.933 47.66
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LOCATION L0005287 VOLUME 372822.672 3771048.325 47.64
LOCATION L0005288 VOLUME 372817.676 3771048.521 47.63
LOCATION L0005289 VOLUME 372812.680 3771048.717 47.62
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LOCATION L0005292 VOLUME 372818.839 3771044.149 47.58
LOCATION L0005293 VOLUME 372823.835 3771043.946 47.58
LOCATION L0005294 VOLUME 372828.831 3771043.742 47.57
LOCATION L0005295 VOLUME 372833.827 3771043.539 47.56
LOCATION L0005296 VOLUME 372838.822 3771043.335 47.55
LOCATION L0005297 VOLUME 372843.818 3771043.132 47.54
LOCATION L0005298 VOLUME 372848.814 3771042.929 47.52
LOCATION L0005299 VOLUME 372853.810 3771042.725 47.51
LOCATION L0005300 VOLUME 372858.806 3771042.522 47.52
LOCATION L0005301 VOLUME 372863.802 3771042.319 47.55
LOCATION L0005302 VOLUME 372868.798 3771042.115 47.58
LOCATION L0005303 VOLUME 372873.794 3771041.912 47.61
LOCATION L0005304 VOLUME 372878.789 3771041.709 47.64
LOCATION L0005305 VOLUME 372883.785 3771041.505 47.63
LOCATION L0005306 VOLUME 372888.781 3771041.302 47.56
LOCATION L0005307 VOLUME 372893.777 3771041.098 47.49
LOCATION L0005308 VOLUME 372898.773 3771040.895 47.42
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LOCATION L0005314 VOLUME 372878.662 3771037.192 47.56
LOCATION L0005315 VOLUME 372873.674 3771037.540 47.52
LOCATION L0005316 VOLUME 372868.686 3771037.887 47.48
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LOCATION L0005318 VOLUME 372858.710 3771038.582 47.40
LOCATION L0005319 VOLUME 372853.722 3771038.930 47.39
LOCATION L0005320 VOLUME 372848.734 3771039.277 47.41
LOCATION L0005321 VOLUME 372843.746 3771039.625 47.44
LOCATION L0005322 VOLUME 372838.758 3771039.972 47.47
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LOCATION L0005324 VOLUME 372828.782 3771040.667 47.51
LOCATION L0005325 VOLUME 372823.794 3771041.015 47.53
LOCATION L0005326 VOLUME 372818.807 3771041.362 47.55
LOCATION L0005327 VOLUME 372818.607 3771040.793 47.54
LOCATION L0005328 VOLUME 372823.370 3771039.272 47.50
LOCATION L0005329 VOLUME 372828.147 3771037.822 47.46
LOCATION L0005330 VOLUME 372833.133 3771037.442 47.43
LOCATION L0005331 VOLUME 372838.118 3771037.063 47.40
LOCATION L0005332 VOLUME 372843.104 3771036.683 47.37
LOCATION L0005333 VOLUME 372848.089 3771036.304 47.33
LOCATION L0005334 VOLUME 372853.075 3771035.924 47.30
LOCATION L0005335 VOLUME 372858.061 3771035.544 47.30
LOCATION L0005336 VOLUME 372863.046 3771035.165 47.36
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LOCATION L0005338 VOLUME 372873.017 3771034.405 47.46
LOCATION L0005339 VOLUME 372878.003 3771034.026 47.51
LOCATION L0005340 VOLUME 372882.988 3771033.646 47.52
LOCATION L0005341 VOLUME 372887.974 3771033.267 47.46
LOCATION L0005342 VOLUME 372892.960 3771032.887 47.41
LOCATION L0005343 VOLUME 372897.945 3771032.507 47.35
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LOCATION L0005345 VOLUME 372903.736 3771027.636 47.24
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LOCATION L0005347 VOLUME 372895.033 3771027.523 47.32
LOCATION L0005348 VOLUME 372890.086 3771028.250 47.37
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LOCATION L0005350 VOLUME 372880.192 3771029.702 47.47
LOCATION L0005351 VOLUME 372875.245 3771030.428 47.43
LOCATION L0005352 VOLUME 372870.298 3771031.154 47.40
LOCATION L0005353 VOLUME 372865.351 3771031.880 47.35
LOCATION L0005354 VOLUME 372860.404 3771032.606 47.31
LOCATION L0005355 VOLUME 372855.457 3771033.332 47.27
LOCATION L0005356 VOLUME 372857.521 3771032.528 47.28
LOCATION L0005357 VOLUME 372862.321 3771031.127 47.32
LOCATION L0005358 VOLUME 372867.120 3771029.726 47.35
LOCATION L0005359 VOLUME 372871.920 3771028.325 47.38
LOCATION L0005360 VOLUME 372876.720 3771026.924 47.40

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   LOCATION L0005361     VOLUME   372881.529 3771025.558 47.41
   LOCATION L0005362     VOLUME   372886.340 3771024.193 47.35
   LOCATION L0005363     VOLUME   372891.150 3771022.828 47.29
** End of LINE VOLUME Source ID = CONST2
** Source Parameters **
** LINE VOLUME Source ID = LOADINGDOCK
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   SRCPARAM L0002125    0.1428571429    3.66    0.61    1.16
   SRCPARAM L0002126    0.1428571429    3.66    0.61    1.16
   SRCPARAM L0002127    0.1428571429    3.66    0.61    1.16
   SRCPARAM L0002128    0.1428571429    3.66    0.61    1.16
   SRCPARAM L0002129    0.1428571429    3.66    0.61    1.16
   SRCPARAM L0002130    0.1428571429    3.66    0.61    1.16
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** LINE VOLUME Source ID = CONST2
   SRCPARAM L0005176    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005177    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005178    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005179    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005180    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005181    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005182    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005183    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005184    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005185    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005186    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005187    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005188    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005189    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005190    0.0053191489    3.66    2.33    1.16
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   SRCPARAM L0005213    0.0053191489    3.66    2.33    1.16
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   SRCPARAM L0005215    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005216    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005217    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005218    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005219    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005220    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005221    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005222    0.0053191489    3.66    2.33    1.16
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   SRCPARAM L0005224    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005225    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005226    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005227    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005228    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005229    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005230    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005231    0.0053191489    3.66    2.33    1.16
   SRCPARAM L0005232    0.0053191489    3.66    2.33    1.16
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   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
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L0005360 L0005361
   SRCGROUP CONST2   L0005362 L0005363
SO FINISHED
**
**********
** AERMOD Receptor Pathway
**********
**
**
RE STARTING
   INCLUDED MtLebanon.rou
RE FINISHED
**
**********
** AERMOD Meteorology Pathway
**********
**
**
ME STARTING
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   PROFFILE Met\KSMO_v9.PFL
   SURFDATA 93197 2012
   UAIRDATA 3190 2012
   PROFBASE 53.0 METERS
ME FINISHED
**
**********
** AERMOD Output Pathway
**********
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD LOADINGD MTLEBANON.AD\PE00G001.PLT 31
   PLOTFILE PERIOD CONST2 MTLEBANON.AD\PE00G002.PLT 32
   SUMMFILE MtLebanon.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    1324      MEOPEN: THRESH_1MIN 1-min ASOS wind
speed threshold used          0.50
 ME W187    1324      MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************


 *** AERMOD - VERSION 21112  ***   ***
C:\AERMOD\MtLebanon\MtLebanon.isc                              ***
10/27/21
 *** AERMET - VERSION  16216 ***   ***
***         10:33:08
```

```
PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              ***     MODEL SETUP OPTIONS SUMMARY
***
 ------------------------------------------------------------
----------

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   195
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9818605.0 ;  Urban Roughness Length =  1.000
m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        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:    195 Source(s);       2 Source Group(s); and
333 Receptor(s)

              with:      0 POINT(s), including
                       0 POINTCAP(s) and      0 POINTHOR(s)
               and:    195 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)


 **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) =    53.00 ;
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 =      3.7 MB of RAM.

 **Input Runstream File:         aermod.inp
 **Output Print File:            aermod.out

 **Detailed Error/Message File:   MtLebanon.err
 **File for Summary of Results:   MtLebanon.sum
 *** AERMOD - VERSION 21112  ***   ***
C:\AERMOD\MtLebanon\MtLebanon.isc                               ***
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 *** AERMET - VERSION  16216 ***   ***
***       10:33:08

PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                  *** VOLUME SOURCE DATA ***

            NUMBER EMISSION RATE                  BASE    RELEASE
INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART. (GRAMS/SEC)     X       Y      ELEV.   HEIGHT
SY      SZ     SOURCE  SCALAR VARY
    ID         CATS.             (METERS) (METERS) (METERS) (METERS)
(METERS) (METERS)            BY
 ------------------------------------------------------------
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2.33 1.16 YES HROFDY
*** AERMOD - VERSION 21112 *** ***
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*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 3
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE
INIT. INIT. URBAN EMISSION RATE
SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT
SY SZ SOURCE SCALAR VARY
ID CATS. (METERS) (METERS) (METERS) (METERS)
(METERS) (METERS) BY

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PAGE   4
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                *** VOLUME SOURCE DATA ***

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  SOURCE      PART. (GRAMS/SEC)    X       Y      ELEV.   HEIGHT
SY      SZ    SOURCE  SCALAR VARY
    ID        CATS.             (METERS) (METERS) (METERS) (METERS)
(METERS) (METERS)           BY
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 *** AERMET - VERSION  16216 ***   ***
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PAGE   5
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                *** VOLUME SOURCE DATA ***

           NUMBER EMISSION RATE                  BASE    RELEASE
INIT.   INIT.   URBAN  EMISSION RATE
  SOURCE      PART. (GRAMS/SEC)    X       Y      ELEV.   HEIGHT
SY      SZ    SOURCE  SCALAR VARY
    ID        CATS.             (METERS) (METERS) (METERS) (METERS)
(METERS) (METERS)           BY
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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INIT. INIT. URBAN EMISSION RATE
SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT
SY SZ SOURCE SCALAR VARY
ID CATS. (METERS) (METERS) (METERS) (METERS)
(METERS) (METERS) BY

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*** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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L0005292 , L0005293 , L0005294 , L0005295 ,

L0005296 , L0005297 , L0005298 , L0005299 ,
L0005300 , L0005301 , L0005302 , L0005303 ,

L0005304 , L0005305 , L0005306 , L0005307 ,
L0005308 , L0005309 , L0005310 , L0005311 ,

L0005312 , L0005313 , L0005314 , L0005315 ,
L0005316 , L0005317 , L0005318 , L0005319 ,

L0005320 , L0005321 , L0005322 , L0005323 ,
L0005324 , L0005325 , L0005326 , L0005327 ,
*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 8
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE
GROUPS ***

SRCGROUP ID SOURCE IDs
---------- ----------

L0005328 , L0005329 , L0005330 , L0005331 ,
L0005332 , L0005333 , L0005334 , L0005335 ,

L0005336 , L0005337 , L0005338 , L0005339 ,
L0005340 , L0005341 , L0005342 , L0005343 ,

L0005344 , L0005345 , L0005346 , L0005347 ,
L0005348 , L0005349 , L0005350 , L0005351 ,

L0005352 , L0005353 , L0005354 , L0005355 ,
L0005356 , L0005357 , L0005358 , L0005359 ,

L0005360 , L0005361 , L0005362 , L0005363 ,
*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 9
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID URBAN POP SOURCE IDs
-------- --------- ----------

9818605. L0002124 , L0002125 , L0002126 , L0002127 , L0002128 , L0002129 , L0002130 , L0005176 ,

L0005177 , L0005178 , L0005179 , L0005180 , L0005181 , L0005182 , L0005183 , L0005184 ,

L0005185 , L0005186 , L0005187 , L0005188 , L0005189 , L0005190 , L0005191 , L0005192 ,

L0005193 , L0005194 , L0005195 , L0005196 , L0005197 , L0005198 , L0005199 , L0005200 ,

L0005201 , L0005202 , L0005203 , L0005204 , L0005205 , L0005206 , L0005207 , L0005208 ,

L0005209 , L0005210 , L0005211 , L0005212 , L0005213 , L0005214 , L0005215 , L0005216 ,

L0005217 , L0005218 , L0005219 , L0005220 , L0005221 , L0005222 , L0005223 , L0005224 ,

L0005225 , L0005226 , L0005227 , L0005228 , L0005229 , L0005230 , L0005231 , L0005232 ,

L0005233 , L0005234 , L0005235 , L0005236 , L0005237 , L0005238 , L0005239 , L0005240 ,

L0005241 , L0005242 , L0005243 , L0005244 , L0005245 , L0005246 , L0005247 , L0005248 ,

L0005249 , L0005250 , L0005251 , L0005252 , L0005253 , L0005254 , L0005255 , L0005256 ,

L0005257 , L0005258 , L0005259 , L0005260 , L0005261 , L0005262 , L0005263 , L0005264 ,

L0005265 , L0005266 , L0005267 , L0005268 , L0005269 , L0005270 , L0005271 , L0005272 ,

L0005273 , L0005274 , L0005275 , L0005276 , L0005277 , L0005278 , L0005279 , L0005280 ,

L0005281 , L0005282 , L0005283 , L0005284 , L0005285 , L0005286 , L0005287 , L0005288 ,

L0005289 , L0005290 , L0005291 , L0005292 , L0005293 , L0005294 , L0005295 , L0005296 ,

L0005297 , L0005298 , L0005299 , L0005300 , L0005301 , L0005302 , L0005303 , L0005304 ,

L0005305 , L0005306 , L0005307 , L0005308 , L0005309 , L0005310 , L0005311 , L0005312 ,

L0005313 , L0005314 , L0005315 , L0005316 , L0005317 , L0005318 , L0005319 , L0005320 ,

L0005321 , L0005322 , L0005323 , L0005324 , L0005325 , L0005326 , L0005327 , L0005328 ,

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

URBAN ID URBAN POP SOURCE IDs
-------- --------- ----------

L0005329 , L0005330 , L0005331 , L0005332 , L0005333 , L0005334 , L0005335 , L0005336 ,

L0005337 , L0005338 , L0005339 , L0005340 , L0005341 , L0005342 , L0005343 , L0005344 ,

L0005345 , L0005346 , L0005347 , L0005348 , L0005349 , L0005350 , L0005351 , L0005352 ,

L0005353 , L0005354 , L0005355 , L0005356 , L0005357 , L0005358 , L0005359 , L0005360 ,

L0005361 , L0005362 , L0005363 ,

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002124 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002125 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002126 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002127 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002128 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 12
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002129 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002130 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005176 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005177 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005178 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 13
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005179 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005180 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00

19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005181 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005182 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005183 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 14
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005184 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005185 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005186 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005187 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005188 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 15
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005189 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005190 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00

```
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0005191    ; SOURCE TYPE = VOLUME   :
     1   .00000E+00     2   .00000E+00     3   .00000E+00     4
.00000E+00     5   .00000E+00     6   .00000E+00
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0005192    ; SOURCE TYPE = VOLUME   :
     1   .00000E+00     2   .00000E+00     3   .00000E+00     4
.00000E+00     5   .00000E+00     6   .00000E+00
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0005193    ; SOURCE TYPE = VOLUME   :
     1   .00000E+00     2   .00000E+00     3   .00000E+00     4
.00000E+00     5   .00000E+00     6   .00000E+00
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00

 *** AERMOD - VERSION 21112  ***   ***
C:\AERMOD\MtLebanon\MtLebanon.isc                          ***
10/27/21
 *** AERMET - VERSION  16216 ***   ***
***       10:33:08

PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR     HOUR    SCALAR     HOUR    SCALAR
HOUR    SCALAR     HOUR    SCALAR     HOUR    SCALAR
 ---------------------------------------------------------
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 SOURCE ID = L0005194    ; SOURCE TYPE = VOLUME   :
     1   .00000E+00     2   .00000E+00     3   .00000E+00     4
.00000E+00     5   .00000E+00     6   .00000E+00
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0005195    ; SOURCE TYPE = VOLUME   :
     1   .00000E+00     2   .00000E+00     3   .00000E+00     4
.00000E+00     5   .00000E+00     6   .00000E+00
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0005196    ; SOURCE TYPE = VOLUME   :
     1   .00000E+00     2   .00000E+00     3   .00000E+00     4
.00000E+00     5   .00000E+00     6   .00000E+00
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0005197    ; SOURCE TYPE = VOLUME   :
     1   .00000E+00     2   .00000E+00     3   .00000E+00     4
.00000E+00     5   .00000E+00     6   .00000E+00
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00


 SOURCE ID = L0005198    ; SOURCE TYPE = VOLUME   :
     1   .00000E+00     2   .00000E+00     3   .00000E+00     4
.00000E+00     5   .00000E+00     6   .00000E+00
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00

 *** AERMOD - VERSION 21112  ***   ***
C:\AERMOD\MtLebanon\MtLebanon.isc                          ***
10/27/21
 *** AERMET - VERSION  16216 ***   ***
***       10:33:08

PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR     HOUR    SCALAR     HOUR    SCALAR
HOUR    SCALAR     HOUR    SCALAR     HOUR    SCALAR
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 SOURCE ID = L0005199    ; SOURCE TYPE = VOLUME   :
     1   .00000E+00     2   .00000E+00     3   .00000E+00     4
.00000E+00     5   .00000E+00     6   .00000E+00
     7   .00000E+00     8   .00000E+00     9   .10000E+01    10
.10000E+01    11   .10000E+01    12   .10000E+01
    13   .10000E+01    14   .10000E+01    15   .10000E+01    16
.10000E+01    17   .00000E+00    18   .00000E+00
    19   .00000E+00    20   .00000E+00    21   .00000E+00    22
.00000E+00    23   .00000E+00    24   .00000E+00
```

SOURCE ID = L0005200 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005201 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005202 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005203 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 18
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005204 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005205 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005206 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005207 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005208 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 19
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005209 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01

```
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00


 SOURCE ID = L0005210    ; SOURCE TYPE = VOLUME   :
     1  .00000E+00     2  .00000E+00     3  .00000E+00     4
.00000E+00     5  .00000E+00     6  .00000E+00
     7  .00000E+00     8  .00000E+00     9  .10000E+01    10
.10000E+01    11  .10000E+01    12  .10000E+01
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00


 SOURCE ID = L0005211    ; SOURCE TYPE = VOLUME   :
     1  .00000E+00     2  .00000E+00     3  .00000E+00     4
.00000E+00     5  .00000E+00     6  .00000E+00
     7  .00000E+00     8  .00000E+00     9  .10000E+01    10
.10000E+01    11  .10000E+01    12  .10000E+01
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00


 SOURCE ID = L0005212    ; SOURCE TYPE = VOLUME   :
     1  .00000E+00     2  .00000E+00     3  .00000E+00     4
.00000E+00     5  .00000E+00     6  .00000E+00
     7  .00000E+00     8  .00000E+00     9  .10000E+01    10
.10000E+01    11  .10000E+01    12  .10000E+01
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00


 SOURCE ID = L0005213    ; SOURCE TYPE = VOLUME   :
     1  .00000E+00     2  .00000E+00     3  .00000E+00     4
.00000E+00     5  .00000E+00     6  .00000E+00
     7  .00000E+00     8  .00000E+00     9  .10000E+01    10
.10000E+01    11  .10000E+01    12  .10000E+01
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00

 *** AERMOD - VERSION 21112  ***   ***
C:\AERMOD\MtLebanon\MtLebanon.isc                          ***
10/27/21
 *** AERMET - VERSION  16216 ***   ***
***       10:33:08

PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

    HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR
HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR
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 SOURCE ID = L0005214    ; SOURCE TYPE = VOLUME   :
     1  .00000E+00     2  .00000E+00     3  .00000E+00     4
.00000E+00     5  .00000E+00     6  .00000E+00
     7  .00000E+00     8  .00000E+00     9  .10000E+01    10
.10000E+01    11  .10000E+01    12  .10000E+01
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00


 SOURCE ID = L0005215    ; SOURCE TYPE = VOLUME   :
     1  .00000E+00     2  .00000E+00     3  .00000E+00     4
.00000E+00     5  .00000E+00     6  .00000E+00
     7  .00000E+00     8  .00000E+00     9  .10000E+01    10
.10000E+01    11  .10000E+01    12  .10000E+01
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00


 SOURCE ID = L0005216    ; SOURCE TYPE = VOLUME   :
     1  .00000E+00     2  .00000E+00     3  .00000E+00     4
.00000E+00     5  .00000E+00     6  .00000E+00
     7  .00000E+00     8  .00000E+00     9  .10000E+01    10
.10000E+01    11  .10000E+01    12  .10000E+01
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00


 SOURCE ID = L0005217    ; SOURCE TYPE = VOLUME   :
     1  .00000E+00     2  .00000E+00     3  .00000E+00     4
.00000E+00     5  .00000E+00     6  .00000E+00
     7  .00000E+00     8  .00000E+00     9  .10000E+01    10
.10000E+01    11  .10000E+01    12  .10000E+01
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00


 SOURCE ID = L0005218    ; SOURCE TYPE = VOLUME   :
     1  .00000E+00     2  .00000E+00     3  .00000E+00     4
.00000E+00     5  .00000E+00     6  .00000E+00
     7  .00000E+00     8  .00000E+00     9  .10000E+01    10
.10000E+01    11  .10000E+01    12  .10000E+01
    13  .10000E+01    14  .10000E+01    15  .10000E+01    16
.10000E+01    17  .00000E+00    18  .00000E+00
    19  .00000E+00    20  .00000E+00    21  .00000E+00    22
.00000E+00    23  .00000E+00    24  .00000E+00

 *** AERMOD - VERSION 21112  ***   ***
C:\AERMOD\MtLebanon\MtLebanon.isc                          ***
10/27/21
 *** AERMET - VERSION  16216 ***   ***
***       10:33:08

PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

    HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR
HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR
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 SOURCE ID = L0005219    ; SOURCE TYPE = VOLUME   :
```

1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005220 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005221 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005222 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005223 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 22
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005224 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005225 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005226 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005227 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005228 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 23
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005229 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005230 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005231 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005232 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005233 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 24
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005234 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005235 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005236 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005237 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005238 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005239 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005240 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005241 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005242 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005243 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005244 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005245 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005246 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005247 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005248 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 27
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005249 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005250 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005251 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005252 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005253 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
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*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 28
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005254 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005255 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005256 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005257 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005258 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 29
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005259 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005260 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005261 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005262 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005263 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00

19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 30
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
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SOURCE ID = L0005264 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005265 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005266 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005267 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005268 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01

13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 31
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005269 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005270 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005271 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005272 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005273 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00

7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 32
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005274 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005275 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005276 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005277 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005278 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005279 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005280 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005281 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005282 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005283 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 34
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005284 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005285 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005286 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005287 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00

19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005288 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 35
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005289 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005290 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005291 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005292 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005293 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005294 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005295 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005296 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005297 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00

7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005298 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 37
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
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SOURCE ID = L0005299 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005300 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005301 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005302 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005303 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 38
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
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SOURCE ID = L0005304 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005305 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005306 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005307 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005308 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

PAGE 39
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
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SOURCE ID = L0005309 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005310 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005311 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005312 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005313 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005314 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005315 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005316 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01

13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005317 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005318 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005319 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005320 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005321 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005322 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005323 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005324 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005325 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005326 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005327 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005328 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
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*** AERMET - VERSION 16216 *** ***
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PAGE 43
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005329 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005330 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005331 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005332 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005333 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005334 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005335 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00

19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005336 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005337 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005338 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
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PAGE 45
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005339 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005340 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005341 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005342 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005343 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
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PAGE 46
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
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SOURCE ID = L0005344 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005345 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00

7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005346 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005347 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005348 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
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*** AERMET - VERSION 16216 *** ***
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PAGE 47
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
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SOURCE ID = L0005349 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005350 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005351 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005352 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005353 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
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PAGE 48
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005354 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005355 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005356 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005357 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005358 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0005359 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005360 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005361 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005362 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0005363 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 21112 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(372710.0, 3770950.0, 47.2, 47.2, 0.0); (372720.0,
3770950.0, 47.3, 47.3, 0.0);
(372730.0, 3770950.0, 47.4, 47.4, 0.0); (372740.0,
3770950.0, 47.5, 47.5, 0.0);
(372750.0, 3770950.0, 47.6, 47.6, 0.0); (372760.0,
3770950.0, 47.6, 47.6, 0.0);
(372770.0, 3770950.0, 47.6, 47.6, 0.0); (372780.0,
3770950.0, 47.5, 47.5, 0.0);

(372790.0, 3770950.0, 47.2, 47.2, 0.0); (372800.0, 3770950.0, 46.9, 46.9, 0.0);
(372810.0, 3770950.0, 47.0, 47.0, 0.0); (372820.0, 3770950.0, 47.1, 47.1, 0.0);
(372830.0, 3770950.0, 47.3, 47.3, 0.0); (372840.0, 3770950.0, 47.3, 47.3, 0.0);
(372850.0, 3770950.0, 47.3, 47.3, 0.0); (372860.0, 3770950.0, 47.3, 47.3, 0.0);
(372870.0, 3770950.0, 47.3, 47.3, 0.0); (372880.0, 3770950.0, 47.3, 47.3, 0.0);
(372890.0, 3770950.0, 46.9, 46.9, 0.0); (372710.0, 3770960.0, 47.3, 47.3, 0.0);
(372720.0, 3770960.0, 47.3, 47.3, 0.0); (372730.0, 3770960.0, 47.4, 47.4, 0.0);
(372740.0, 3770960.0, 47.5, 47.5, 0.0); (372750.0, 3770960.0, 47.6, 47.6, 0.0);
(372760.0, 3770960.0, 47.6, 47.6, 0.0); (372770.0, 3770960.0, 47.5, 47.5, 0.0);
(372780.0, 3770960.0, 47.4, 47.4, 0.0); (372790.0, 3770960.0, 47.2, 47.2, 0.0);
(372800.0, 3770960.0, 47.0, 47.0, 0.0); (372810.0, 3770960.0, 47.0, 47.0, 0.0);
(372820.0, 3770960.0, 47.2, 47.2, 0.0); (372830.0, 3770960.0, 47.3, 47.3, 0.0);
(372840.0, 3770960.0, 47.3, 47.3, 0.0); (372850.0, 3770960.0, 47.2, 47.2, 0.0);
(372860.0, 3770960.0, 47.2, 47.2, 0.0); (372870.0, 3770960.0, 47.1, 47.1, 0.0);
(372880.0, 3770960.0, 47.0, 47.0, 0.0); (372890.0, 3770960.0, 46.8, 46.8, 0.0);
(372710.0, 3770970.0, 47.3, 47.3, 0.0); (372720.0, 3770970.0, 47.4, 47.4, 0.0);
(372730.0, 3770970.0, 47.4, 47.4, 0.0); (372740.0, 3770970.0, 47.5, 47.5, 0.0);
(372750.0, 3770970.0, 47.6, 47.6, 0.0); (372760.0, 3770970.0, 47.6, 47.6, 0.0);
(372770.0, 3770970.0, 47.5, 47.5, 0.0); (372780.0, 3770970.0, 47.4, 47.4, 0.0);
(372790.0, 3770970.0, 47.2, 47.2, 0.0); (372800.0, 3770970.0, 47.0, 47.0, 0.0);
(372810.0, 3770970.0, 47.0, 47.0, 0.0); (372820.0, 3770970.0, 47.2, 47.2, 0.0);
(372830.0, 3770970.0, 47.3, 47.3, 0.0); (372840.0, 3770970.0, 47.2, 47.2, 0.0);
(372850.0, 3770970.0, 47.1, 47.1, 0.0); (372860.0, 3770970.0, 47.0, 47.0, 0.0);
(372870.0, 3770970.0, 46.9, 46.9, 0.0); (372880.0, 3770970.0, 46.8, 46.8, 0.0);
(372890.0, 3770970.0, 46.7, 46.7, 0.0); (372710.0, 3770980.0, 47.3, 47.3, 0.0);
(372720.0, 3770980.0, 47.4, 47.4, 0.0); (372730.0, 3770980.0, 47.4, 47.4, 0.0);
(372740.0, 3770980.0, 47.5, 47.5, 0.0); (372750.0, 3770980.0, 47.6, 47.6, 0.0);
(372760.0, 3770980.0, 47.5, 47.5, 0.0); (372770.0, 3770980.0, 47.4, 47.4, 0.0);
(372780.0, 3770980.0, 47.3, 47.3, 0.0); (372790.0, 3770980.0, 47.1, 47.1, 0.0);
(372800.0, 3770980.0, 47.0, 47.0, 0.0); (372810.0, 3770980.0, 47.0, 47.0, 0.0);
(372820.0, 3770980.0, 47.1, 47.1, 0.0); (372830.0, 3770980.0, 47.2, 47.2, 0.0);
(372840.0, 3770980.0, 47.2, 47.2, 0.0); (372850.0, 3770980.0, 47.1, 47.1, 0.0);
(372860.0, 3770980.0, 47.0, 47.0, 0.0); (372870.0, 3770980.0, 46.9, 46.9, 0.0);
(372880.0, 3770980.0, 46.8, 46.8, 0.0); (372710.0, 3770990.0, 47.3, 47.3, 0.0);
(372720.0, 3770990.0, 47.3, 47.3, 0.0); (372730.0, 3770990.0, 47.3, 47.3, 0.0);
(372740.0, 3770990.0, 47.4, 47.4, 0.0); (372750.0, 3770990.0, 47.4, 47.4, 0.0);
(372760.0, 3770990.0, 47.3, 47.3, 0.0); (372770.0, 3770990.0, 47.3, 47.3, 0.0);
(372780.0, 3770990.0, 47.2, 47.2, 0.0); (372790.0, 3770990.0, 47.1, 47.1, 0.0);
(372800.0, 3770990.0, 47.0, 47.0, 0.0); (372810.0, 3770990.0, 47.0, 47.0, 0.0);
(372820.0, 3770990.0, 47.1, 47.1, 0.0); (372830.0, 3770990.0, 47.1, 47.1, 0.0);
(372840.0, 3770990.0, 47.1, 47.1, 0.0); (372850.0, 3770990.0, 47.1, 47.1, 0.0);

*** AERMOD - VERSION 21112 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(372710.0, 3771000.0, 47.3, 47.3, 0.0); (372720.0, 3771000.0, 47.3, 47.3, 0.0);
(372730.0, 3771000.0, 47.3, 47.3, 0.0); (372740.0, 3771000.0, 47.3, 47.3, 0.0);
(372750.0, 3771000.0, 47.2, 47.2, 0.0); (372760.0, 3771000.0, 47.2, 47.2, 0.0);
(372770.0, 3771000.0, 47.1, 47.1, 0.0); (372780.0, 3771000.0, 47.1, 47.1, 0.0);
(372790.0, 3771000.0, 47.0, 47.0, 0.0); (372800.0, 3771000.0, 47.0, 47.0, 0.0);
(372810.0, 3771000.0, 47.0, 47.0, 0.0); (372710.0, 3771050.0, 47.9, 47.9, 0.0);
(372720.0, 3771050.0, 47.9, 47.9, 0.0); (372730.0, 3771050.0, 47.9, 47.9, 0.0);
(372740.0, 3771050.0, 47.9, 47.9, 0.0); (372750.0, 3771050.0, 48.0, 48.0, 0.0);
(372760.0, 3771050.0, 48.0, 48.0, 0.0); (372770.0, 3771050.0, 47.9, 47.9, 0.0);
(372780.0, 3771050.0, 47.9, 47.9, 0.0); (372790.0, 3771050.0, 47.8, 47.8, 0.0);
(372800.0, 3771050.0, 47.6, 47.6, 0.0); (372710.0, 3771060.0, 47.9, 47.9, 0.0);
(372720.0, 3771060.0, 48.0, 48.0, 0.0); (372730.0, 3771060.0, 48.0, 48.0, 0.0);
(372740.0, 3771060.0, 48.1, 48.1, 0.0); (372750.0, 3771060.0, 48.2, 48.2, 0.0);
(372760.0, 3771060.0, 48.2, 48.2, 0.0); (372770.0, 3771060.0, 48.1, 48.1, 0.0);
(372780.0, 3771060.0, 48.0, 48.0, 0.0); (372790.0, 3771060.0, 47.9, 47.9, 0.0);
(372800.0, 3771060.0, 47.7, 47.7, 0.0); (372710.0, 3771070.0, 47.9, 47.9, 0.0);
(372720.0, 3771070.0, 48.0, 48.0, 0.0); (372730.0, 3771070.0, 48.1, 48.1, 0.0);
(372740.0, 3771070.0, 48.2, 48.2, 0.0); (372750.0, 3771070.0, 48.3, 48.3, 0.0);
(372760.0, 3771070.0, 48.3, 48.3, 0.0); (372770.0, 3771070.0, 48.3, 48.3, 0.0);
(372780.0, 3771070.0, 48.2, 48.2, 0.0); (372790.0, 3771070.0, 48.0, 48.0, 0.0);
(372800.0, 3771070.0, 47.8, 47.8, 0.0); (372710.0, 3771080.0, 48.0, 48.0, 0.0);

(372720.0, 3771080.0, 48.0, 48.0, 0.0); (372730.0, 3771080.0, 48.1, 48.1, 0.0);
(372740.0, 3771080.0, 48.3, 48.3, 0.0); (372750.0, 3771080.0, 48.4, 48.4, 0.0);
(372760.0, 3771080.0, 48.5, 48.5, 0.0); (372770.0, 3771080.0, 48.4, 48.4, 0.0);
(372780.0, 3771080.0, 48.4, 48.4, 0.0); (372790.0, 3771080.0, 48.2, 48.2, 0.0);
(372800.0, 3771080.0, 47.9, 47.9, 0.0); (372710.0, 3771090.0, 48.0, 48.0, 0.0);
(372720.0, 3771090.0, 48.1, 48.1, 0.0); (372730.0, 3771090.0, 48.1, 48.1, 0.0);
(372740.0, 3771090.0, 48.3, 48.3, 0.0); (372750.0, 3771090.0, 48.5, 48.5, 0.0);
(372760.0, 3771090.0, 48.6, 48.6, 0.0); (372770.0, 3771090.0, 48.6, 48.6, 0.0);
(372780.0, 3771090.0, 48.6, 48.6, 0.0); (372790.0, 3771090.0, 48.3, 48.3, 0.0);
(372800.0, 3771090.0, 48.1, 48.1, 0.0); (372710.0, 3771100.0, 48.1, 48.1, 0.0);
(372720.0, 3771100.0, 48.1, 48.1, 0.0); (372730.0, 3771100.0, 48.1, 48.1, 0.0);
(372740.0, 3771100.0, 48.3, 48.3, 0.0); (372750.0, 3771100.0, 48.5, 48.5, 0.0);
(372760.0, 3771100.0, 48.6, 48.6, 0.0); (372770.0, 3771100.0, 48.7, 48.7, 0.0);
(372780.0, 3771100.0, 48.7, 48.7, 0.0); (372790.0, 3771100.0, 48.5, 48.5, 0.0);
(372800.0, 3771100.0, 48.2, 48.2, 0.0); (372710.0, 3771110.0, 48.2, 48.2, 0.0);
(372720.0, 3771110.0, 48.2, 48.2, 0.0); (372730.0, 3771110.0, 48.1, 48.1, 0.0);
(372740.0, 3771110.0, 48.1, 48.1, 0.0); (372750.0, 3771110.0, 48.1, 48.1, 0.0);
(372760.0, 3771110.0, 48.3, 48.3, 0.0); (372770.0, 3771110.0, 48.5, 48.5, 0.0);
(372780.0, 3771110.0, 48.7, 48.7, 0.0); (372790.0, 3771110.0, 48.5, 48.5, 0.0);
(372800.0, 3771110.0, 48.3, 48.3, 0.0); (372710.0, 3771120.0, 48.3, 48.3, 0.0);
(372720.0, 3771120.0, 48.2, 48.2, 0.0); (372730.0, 3771120.0, 48.1, 48.1, 0.0);
(372740.0, 3771120.0, 47.9, 47.9, 0.0); (372750.0, 3771120.0, 47.7, 47.7, 0.0);
(372760.0, 3771120.0, 47.9, 47.9, 0.0); (372770.0, 3771120.0, 48.3, 48.3, 0.0);
(372780.0, 3771120.0, 48.7, 48.7, 0.0); (372790.0, 3771120.0, 48.6, 48.6, 0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(372800.0, 3771120.0, 48.4, 48.4, 0.0); (372710.0, 3771130.0, 48.4, 48.4, 0.0);
(372720.0, 3771130.0, 48.3, 48.3, 0.0); (372730.0, 3771130.0, 48.1, 48.1, 0.0);
(372740.0, 3771130.0, 47.8, 47.8, 0.0); (372750.0, 3771130.0, 47.4, 47.4, 0.0);
(372760.0, 3771130.0, 47.5, 47.5, 0.0); (372770.0, 3771130.0, 48.1, 48.1, 0.0);
(372780.0, 3771130.0, 48.7, 48.7, 0.0); (372790.0, 3771130.0, 48.6, 48.6, 0.0);
(372800.0, 3771130.0, 48.5, 48.5, 0.0); (372710.0, 3771140.0, 48.6, 48.6, 0.0);
(372720.0, 3771140.0, 48.6, 48.6, 0.0); (372730.0, 3771140.0, 48.5, 48.5, 0.0);
(372740.0, 3771140.0, 48.2, 48.2, 0.0); (372750.0, 3771140.0, 47.9, 47.9, 0.0);
(372760.0, 3771140.0, 48.0, 48.0, 0.0); (372770.0, 3771140.0, 48.4, 48.4, 0.0);
(372780.0, 3771140.0, 48.8, 48.8, 0.0); (372790.0, 3771140.0, 48.7, 48.7, 0.0);
(372800.0, 3771140.0, 48.6, 48.6, 0.0); (372710.0, 3771150.0, 48.8, 48.8, 0.0);
(372720.0, 3771150.0, 48.8, 48.8, 0.0); (372730.0, 3771150.0, 48.8, 48.8, 0.0);
(372740.0, 3771150.0, 48.7, 48.7, 0.0); (372750.0, 3771150.0, 48.5, 48.5, 0.0);
(372760.0, 3771150.0, 48.5, 48.5, 0.0); (372770.0, 3771150.0, 48.7, 48.7, 0.0);
(372780.0, 3771150.0, 48.8, 48.8, 0.0); (372790.0, 3771150.0, 48.8, 48.8, 0.0);
(372800.0, 3771150.0, 48.7, 48.7, 0.0); (372910.0, 3770890.0, 46.0, 46.0, 0.0);
(372920.0, 3770890.0, 46.0, 46.0, 0.0); (372930.0, 3770890.0, 46.0, 46.0, 0.0);
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(372970.0, 3770900.0, 45.9, 45.9, 0.0); (372910.0, 3770910.0, 46.1, 46.1, 0.0);
(372920.0, 3770910.0, 46.1, 46.1, 0.0); (372930.0, 3770910.0, 46.1, 46.1, 0.0);
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(372850.0, 3771092.1, 48.5, 48.5, 0.0); (372860.0, 3771092.1, 48.6, 48.6, 0.0);
(372870.0, 3771092.1, 48.5, 48.5, 0.0); (372840.0, 3771102.1, 48.6, 48.6, 0.0);
(372850.0, 3771102.1, 48.6, 48.6, 0.0); (372860.0, 3771102.1, 48.6, 48.6, 0.0);
(372870.0, 3771102.1, 48.6, 48.6, 0.0); (372840.0, 3771112.1, 48.7, 48.7, 0.0);
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(372870.0, 3771112.1, 48.5, 48.5, 0.0); (372840.0, 3771122.1, 48.8, 48.8, 0.0);
(372850.0, 3771122.1, 48.8, 48.8, 0.0); (372860.0, 3771122.1, 48.8, 48.8, 0.0);
(372870.0, 3771122.1, 48.5, 48.5, 0.0); (372840.0, 3771132.1, 48.8, 48.8, 0.0);
(372850.0, 3771132.1, 48.8, 48.8, 0.0); (372860.0, 3771132.1, 48.8, 48.8, 0.0);
(372870.0, 3771132.1, 48.5, 48.5, 0.0); (372840.0, 3771142.1, 48.7, 48.7, 0.0);
(372850.0, 3771142.1, 48.7, 48.7, 0.0); (372860.0, 3771142.1, 48.7, 48.7, 0.0);
(372870.0, 3771142.1, 48.5, 48.5, 0.0); (372810.0, 3771182.1, 49.3, 49.3, 0.0);
*** AERMOD - VERSION 21112 *** *** C:\AERMOD\MtLebanon\MtLebanon.isc *** 10/27/21
*** AERMET - VERSION 16216 *** *** *** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(372820.0, 3771182.1, 49.0, 49.0, 0.0); (372830.0, 3771182.1, 48.8, 48.8, 0.0);
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(372900.0, 3771182.1, 48.8, 48.8, 0.0); (372910.0, 3771182.1, 48.7, 48.7, 0.0);
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(372850.0, 3771192.1, 48.8, 48.8, 0.0); (372860.0, 3771192.1, 48.8, 48.8, 0.0);
(372870.0, 3771192.1, 48.9, 48.9, 0.0); (372880.0, 3771192.1, 48.9, 48.9, 0.0);
(372890.0, 3771192.1, 48.9, 48.9, 0.0); (372900.0, 3771192.1, 48.8, 48.8, 0.0);
(372910.0, 3771192.1, 48.8, 48.8, 0.0); (372955.0, 3770995.0, 46.8, 46.8, 0.0);
(372965.0, 3770995.0, 46.7, 46.7, 0.0); (372945.0, 3771005.0, 47.0, 47.0, 0.0);
(372955.0, 3771005.0, 47.0, 47.0, 0.0); (372965.0, 3771005.0, 46.9, 46.9, 0.0);
(372945.0, 3771015.0, 47.0, 47.0, 0.0); (372955.0, 3771015.0, 47.1, 47.1, 0.0);
(372965.0, 3771015.0, 47.0, 47.0, 0.0); (372945.0, 3771025.0, 47.1, 47.1, 0.0);
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(372945.0, 3771035.0, 47.2, 47.2, 0.0); (372955.0, 3771035.0, 47.3, 47.3, 0.0);
(372965.0, 3771035.0, 47.2, 47.2, 0.0); (372935.0, 3771045.0, 47.2, 47.2, 0.0);
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(372965.0, 3771045.0, 47.3, 47.3, 0.0); (372935.0, 3771055.0, 47.3, 47.3, 0.0);
(372945.0, 3771055.0, 47.3, 47.3, 0.0); (372955.0, 3771055.0, 47.3, 47.3, 0.0);
(372965.0, 3771055.0, 47.3, 47.3, 0.0); (372935.0, 3771065.0, 47.4, 47.4, 0.0);
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(372965.0, 3771105.0, 47.7, 47.7, 0.0);
*** AERMOD - VERSION 21112 *** *** C:\AERMOD\MtLebanon\MtLebanon.isc *** 10/27/21
*** AERMET - VERSION 16216 *** *** *** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,
*** AERMOD - VERSION 21112 *** *** C:\AERMOD\MtLebanon\MtLebanon.isc *** 10/27/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: Met\KSMO_v9.SFC
Met Version: 16216
Profile file: Met\KSMO_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93197 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

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
12	01	01	1	01	-6.6	0.113	-9.000	-9.000	-999.	91.	19.8	0.17	2.20	1.00	1.26	131.	10.1	283.1	2.0
12	01	01	1	02	-7.6	0.121	-9.000	-9.000	-999.	101.	21.3	0.17	2.20	1.00	1.35	232.	10.1	282.0	2.0
12	01	01	1	03	-3.3	0.082	-9.000	-9.000	-999.	57.	15.3	0.17	2.20	1.00	0.86	46.	10.1	280.9	2.0
12	01	01	1	04	-5.4	0.102	-9.000	-9.000	-999.	79.	17.9	0.17	2.20	1.00	1.14	82.	10.1	281.4	2.0
12	01	01	1	05	-6.6	0.113	-9.000	-9.000	-999.	91.	19.8	0.17	2.20	1.00	1.26	205.	10.1	281.4	2.0
12	01	01	1	06	-7.4	0.119	-9.000	-9.000	-999.	99.	20.9	0.17	2.20	1.00	1.33	254.	10.1	280.9	2.0
12	01	01	1	07	-4.6	0.094	-9.000	-9.000	-999.	70.	16.6	0.17	2.20	1.00	1.04	39.	10.1	279.2	2.0
12	01	01	1	08	-16.0	0.197	-9.000	-9.000	-999.	209.	43.0	0.17	2.20	0.54	2.10	63.	10.1	282.0	2.0
12	01	01	1	09	36.8	0.255	0.339	0.005	38.	309.	-40.8	0.17	2.20	0.31	2.27	33.	10.1	292.0	2.0
12	01	01	1	10	102.6	0.234	0.691	0.006	117.	271.	-11.3	0.17	2.20	0.23	1.79	204.	10.1	289.2	2.0
12	01	01	1	11	154.6	0.178	1.118	0.005	327.	181.	-3.3	0.17	2.20	0.20	1.11	119.	10.1	296.4	2.0
12	01	01	1	12	182.0	0.295	1.459	0.005	618.	385.	-12.8	0.17	2.20	0.19	2.30	76.	10.1	300.9	2.0
12	01	01	1	13	175.0	0.355	1.686	0.005	991.	507.	-23.0	0.17	2.20	0.19	2.98	179.	10.1	293.8	2.0
12	01	01	1	14	148.1	0.374	1.737	0.005	1282.	549.	-31.9	0.17	2.20	0.20	3.25	211.	10.1	292.0	2.0
12	01	01	1	15	98.0	0.291	1.572	0.005	1436.	380.	-22.7	0.17	2.20	0.23	2.44	231.	10.1	290.9	2.0
12	01	01	1	16	28.2	0.303	1.044	0.005	1460.	400.	-89.0	0.17	2.20	0.32	2.85	217.	10.1	289.2	2.0
12	01	01	1	17	-22.4	0.259	-9.000	-9.000	-999.	317.	73.7	0.17	2.20	0.58	2.73	226.	10.1	287.0	2.0
12	01	01	1	18	-8.7	0.131	-9.000	-9.000	-999.	124.	23.3	0.17	2.20	1.00	1.45	230.	10.1	286.4	2.0
12	01	01	1	19	-13.2	0.163	-9.000	-9.000	-999.	157.	29.4	0.17	2.20	1.00	1.77	225.	10.1	285.9	2.0
12	01	01	1	20	-5.7	0.106	-9.000	-9.000	-999.	83.	18.6	0.17	2.20	1.00	1.18	182.	10.1	284.9	2.0
12	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.17	2.20	1.00	0.00	0.	10.1	284.2	2.0
12	01	01	1	22	-7.3	0.119	-9.000	-9.000	-999.	99.	21.1	0.17	2.20	1.00	1.33	202.	10.1	285.4	2.0
12	01	01	1	23	-6.0	0.108	-9.000	-9.000	-999.	86.	19.1	0.17	2.20	1.00	1.21	251.	10.1	284.9	2.0
12	01	01	1	24	-5.4	0.102	-9.000	-9.000	-999.	78.	18.0	0.17	2.20	1.00	1.14	224.	10.1	284.2	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	131.	1.26	283.2	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)
*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADINGD ***
INCLUDING SOURCE(S): L0002124 , L0002125 , L0002126 , L0002127 , L0002128 , L0002129 , L0002130 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
372710.00	3770950.00	0.96852	372720.00	3770950.00	1.04936
372730.00	3770950.00	1.13739	372740.00	3770950.00	1.23288
372750.00	3770950.00	1.33597	372760.00	3770950.00	1.44678
372770.00	3770950.00	1.56478	372780.00	3770950.00	1.68919
372790.00	3770950.00	1.81893	372800.00	3770950.00	1.95122
372810.00	3770950.00	2.08291	372820.00	3770950.00	2.21045
372830.00	3770950.00	2.32913	372840.00	3770950.00	2.43338
372850.00	3770950.00	2.51636	372860.00	3770950.00	2.57144
372870.00	3770950.00	2.59301	372880.00	3770950.00	2.57751
372890.00	3770950.00	2.52464	372710.00	3770960.00	1.04256
372720.00	3770960.00	1.13629	372730.00	3770960.00	1.23952
372740.00	3770960.00	1.35287	372750.00	3770960.00	1.47688
372760.00	3770960.00	1.61206	372770.00	3770960.00	1.75815
372780.00	3770960.00	1.91445	372790.00	3770960.00	2.07972
372800.00	3770960.00	2.25099	372810.00	3770960.00	2.42451
372820.00	3770960.00	2.59539	372830.00	3770960.00	2.75697
372840.00	3770960.00	2.90103	372850.00	3770960.00	3.01762
372860.00	3770960.00	3.09676	372870.00	3770960.00	3.12972
372880.00	3770960.00	3.11102	372890.00	3770960.00	3.03955
372710.00	3770970.00	1.11956	372720.00	3770970.00	1.22777

372730.00 3770970.00 1.34840 372740.00 3770970.00 1.48259
372750.00 3770970.00 1.63149 372760.00 3770970.00 1.79638
372770.00 3770970.00 1.97748 372780.00 3770970.00 2.17451
372790.00 3770970.00 2.38635 372800.00 3770970.00 2.61010
372810.00 3770970.00 2.84136 372820.00 3770970.00 3.07363
372830.00 3770970.00 3.29744 372840.00 3770970.00 3.50041
372850.00 3770970.00 3.66777 372860.00 3770970.00 3.78383
372870.00 3770970.00 3.83454 372880.00 3770970.00 3.81132
372890.00 3770970.00 3.71344 372710.00 3770980.00 1.19857
372720.00 3770980.00 1.32282 372730.00 3770980.00 1.46309
372740.00 3770980.00 1.62131 372750.00 3770980.00 1.79962
372760.00 3770980.00 2.00025 372770.00 3770980.00 2.22460
372780.00 3770980.00 2.47337 372790.00 3770980.00 2.74624
372800.00 3770980.00 3.04085 372810.00 3770980.00 3.35247
372820.00 3770980.00 3.67279 372830.00 3770980.00 3.98855
372840.00 3770980.00 4.28100 372850.00 3770980.00 4.52754
372860.00 3770980.00 4.70262 372870.00 3770980.00 4.78312
372880.00 3770980.00 4.75453 372710.00 3770990.00 1.27836
372720.00 3770990.00 1.42002 372730.00 3770990.00 1.58204
372740.00 3770990.00 1.76751 372750.00 3770990.00 1.97989
*** AERMOD - VERSION 21112 *** ***
C:\AERMOD\MtLebanon\MtLebanon.isc ***
10/27/21
*** AERMET - VERSION 16216 *** ***
*** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE GROUP: LOADINGD ***
INCLUDING SOURCE(S): L0002124 ,
L0002125 , L0002126 , L0002127 , L0002128 ,
L0002129 , L0002130 ,

*** DISCRETE CARTESIAN RECEPTOR
POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-COORD
(M) Y-COORD (M) CONC

372760.00 3770990.00 2.22294 372770.00 3770990.00 2.50003
372780.00 3770990.00 2.81401 372790.00 3770990.00 3.16653
372800.00 3770990.00 3.55692 372810.00 3770990.00 3.98110
372820.00 3770990.00 4.42922 372830.00 3770990.00 4.88327
372840.00 3770990.00 5.31553 372850.00 3770990.00 5.68981
372710.00 3771000.00 1.35719 372720.00 3771000.00 1.51732
372730.00 3771000.00 1.70284 372740.00 3771000.00 1.91838
372750.00 3771000.00 2.16929 372760.00 3771000.00 2.46175
372770.00 3771000.00 2.80223 372780.00 3771000.00 3.19730
372790.00 3771000.00 3.65282 372800.00 3771000.00 4.17231
372810.00 3771000.00 4.75454 372710.00 3771050.00 1.66255
372720.00 3771050.00 1.90755 372730.00 3771050.00 2.20701
372740.00 3771050.00 2.57758 372750.00 3771050.00 3.04258
372760.00 3771050.00 3.63552 372770.00 3771050.00 4.40463
372780.00 3771050.00 5.42158 372790.00 3771050.00 6.79543
372800.00 3771050.00 8.69490 372710.00 3771060.00 1.69142
372720.00 3771060.00 1.94604 372730.00 3771060.00 2.25914
372740.00 3771060.00 2.64937 372750.00 3771060.00 3.14351
372760.00 3771060.00 3.78089 372770.00 3771060.00 4.61974
372780.00 3771060.00 5.74977 372790.00 3771060.00 7.31499
372800.00 3771060.00 9.55176 372710.00 3771070.00 1.70565
372720.00 3771070.00 1.96573 372730.00 3771070.00 2.28672
372740.00 3771070.00 2.68862 372750.00 3771070.00 3.20046
372760.00 3771070.00 3.86546 372770.00 3771070.00 4.74871
372780.00 3771070.00 5.95331 372790.00 3771070.00 7.64963
372800.00 3771070.00 10.12913 372710.00 3771080.00 1.70449
372720.00 3771080.00 1.96571 372730.00 3771080.00 2.28851
372740.00 3771080.00 2.69298 372750.00 3771080.00 3.20943
372760.00 3771080.00 3.88201 372770.00 3771080.00 4.77792
372780.00 3771080.00 6.00494 372790.00 3771080.00 7.74398
372800.00 3771080.00 10.30821 372710.00 3771090.00 1.68818
372720.00 3771090.00 1.94592 372730.00 3771090.00 2.26398
372740.00 3771090.00 2.66171 372750.00 3771090.00 3.16893
372760.00 3771090.00 3.82676 372770.00 3771090.00 4.70145
372780.00 3771090.00 5.89467 372790.00 3771090.00 7.57792
372800.00 3771090.00 10.03967 372710.00 3771100.00 1.65740
372720.00 3771100.00 1.90729 372730.00 3771100.00 2.21451

372740.00 3771100.00 2.59679 372750.00 3771100.00 3.08170
372760.00 3771100.00 3.70560 372770.00 3771100.00 4.52673
372780.00 3771100.00 5.63269 372790.00 3771100.00 7.17787
*** AERMOD - VERSION 21112 *** *** C:\AERMOD\MtLebanon\MtLebanon.isc *** 10/27/21
*** AERMET - VERSION 16216 *** *** *** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADINGD *** INCLUDING SOURCE(S): L0002124 , L0002125 , L0002126 , L0002127 , L0002128 , L0002129 , L0002130 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
372800.00	3771100.00	9.37867	372710.00	3771110.00	1.61339
372720.00	3771110.00	1.85155	372730.00	3771110.00	2.14282
372740.00	3771110.00	2.50322	372750.00	3771110.00	2.95569
372760.00	3771110.00	3.53187	372770.00	3771110.00	4.27976
372780.00	3771110.00	5.26171	372790.00	3771110.00	6.60724
372800.00	3771110.00	8.46005	372710.00	3771120.00	1.55809
372720.00	3771120.00	1.78144	372730.00	3771120.00	2.05264
372740.00	3771120.00	2.38566	372750.00	3771120.00	2.79891
372760.00	3771120.00	3.31638	372770.00	3771120.00	3.97402
372780.00	3771120.00	4.81868	372790.00	3771120.00	5.94405
372800.00	3771120.00	7.43633	372710.00	3771130.00	1.49376
372720.00	3771130.00	1.69994	372730.00	3771130.00	1.94828
372740.00	3771130.00	2.25047	372750.00	3771130.00	2.61989
372760.00	3771130.00	3.07427	372770.00	3771130.00	3.63907
372780.00	3771130.00	4.34599	372790.00	3771130.00	5.25910
372800.00	3771130.00	6.42582	372710.00	3771140.00	1.42193
372720.00	3771140.00	1.60995	372730.00	3771140.00	1.83358
372740.00	3771140.00	2.10160	372750.00	3771140.00	2.42558
372760.00	3771140.00	2.81706	372770.00	3771140.00	3.29414
372780.00	3771140.00	3.87262	372790.00	3771140.00	4.59977
372800.00	3771140.00	5.49742	372710.00	3771150.00	1.34413
372720.00	3771150.00	1.51233	372730.00	3771150.00	1.71052
372740.00	3771150.00	1.94808	372750.00	3771150.00	2.22857
372760.00	3771150.00	2.56124	372770.00	3771150.00	2.95598
372780.00	3771150.00	3.42295	372790.00	3771150.00	3.99847
372800.00	3771150.00	4.68372	372910.00	3770890.00	0.98720
372920.00	3770890.00	0.95361	372930.00	3770890.00	0.91511
372940.00	3770890.00	0.87298	372950.00	3770890.00	0.82841
372960.00	3770890.00	0.78260	372970.00	3770890.00	0.73654
372910.00	3770900.00	1.11726	372920.00	3770900.00	1.07597
372930.00	3770900.00	1.02887	372940.00	3770900.00	0.97761
372950.00	3770900.00	0.92377	372960.00	3770900.00	0.86881
372970.00	3770900.00	0.81399	372910.00	3770910.00	1.27259
372920.00	3770910.00	1.22132	372930.00	3770910.00	1.16312
372940.00	3770910.00	1.10019	372950.00	3770910.00	1.03461
372960.00	3770910.00	0.96822	372910.00	3770920.00	1.45983
372920.00	3770920.00	1.39540	372930.00	3770920.00	1.32271
372940.00	3770920.00	1.24469	372950.00	3770920.00	1.16409
372910.00	3770930.00	1.68781	372920.00	3770930.00	1.60577
372930.00	3770930.00	1.51388	372940.00	3770930.00	1.41615

*** AERMOD - VERSION 21112 *** *** C:\AERMOD\MtLebanon\MtLebanon.isc *** 10/27/21
*** AERMET - VERSION 16216 *** *** *** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADINGD *** INCLUDING SOURCE(S): L0002124 , L0002125 , L0002126 , L0002127 , L0002128 , L0002129 , L0002130 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
372910.00	3770940.00	1.96851	372920.00	3770940.00	1.86248

372930.00 3770940.00 1.74478 372910.00 3770950.00 2.31856
372920.00 3770950.00 2.17936 372840.00 3771092.11 50.01684
372850.00 3771092.11 87.28152 372860.00 3771092.11 143.35648
372870.00 3771092.11 223.48246 372840.00 3771102.11 37.18134
372850.00 3771102.11 56.34272 372860.00 3771102.11 83.07761
372870.00 3771102.11 119.82170 372840.00 3771112.11 26.60824
372850.00 3771112.11 36.39521 372860.00 3771112.11 49.36917
372870.00 3771112.11 67.03626 372840.00 3771122.11 19.20528
372850.00 3771122.11 24.60656 372860.00 3771122.11 31.63842
372870.00 3771122.11 41.13664 372840.00 3771132.11 14.20599
372850.00 3771132.11 17.45457 372860.00 3771132.11 21.64370
372870.00 3771132.11 27.22800 372840.00 3771142.11 10.80314
372850.00 3771142.11 12.91251 372860.00 3771142.11 15.59093
372870.00 3771142.11 19.09442 372810.00 3771182.11 3.09615
372820.00 3771182.11 3.50088 372830.00 3771182.11 3.96307
372840.00 3771182.11 4.45012 372850.00 3771182.11 5.02348
372860.00 3771182.11 5.72295 372870.00 3771182.11 6.58305
372880.00 3771182.11 7.61935 372890.00 3771182.11 8.82788
372900.00 3771182.11 10.10803 372910.00 3771182.11 11.32804
372810.00 3771192.11 2.62879 372820.00 3771192.11 2.95046
372830.00 3771192.11 3.32664 372840.00 3771192.11 3.71069
372850.00 3771192.11 4.15311 372860.00 3771192.11 4.68895
372870.00 3771192.11 5.33222 372880.00 3771192.11 6.10299
372890.00 3771192.11 7.01909 372900.00 3771192.11 8.02189
372910.00 3771192.11 9.00726 372955.00 3770995.00 3.09963
372965.00 3770995.00 2.67302 372945.00 3771005.00 4.26574
372955.00 3771005.00 3.61502 372965.00 3771005.00 3.06867
372945.00 3771015.00 5.08857 372955.00 3771015.00 4.22640
372965.00 3771015.00 3.52828 372945.00 3771025.00 6.09062
372955.00 3771025.00 4.95248 372965.00 3771025.00 4.06838
372945.00 3771035.00 7.31680 372955.00 3771035.00 5.83532
372965.00 3771035.00 4.73278 372935.00 3771045.00 11.59277
372945.00 3771045.00 8.88732 372955.00 3771045.00 6.99440
372965.00 3771045.00 5.63205 372935.00 3771055.00 14.76605
372945.00 3771055.00 11.17113 372955.00 3771055.00 8.73105
372965.00 3771055.00 6.99026 372935.00 3771065.00 20.07550
372945.00 3771065.00 14.98686 372955.00 3771065.00 11.54058
372965.00 3771065.00 9.10515 372935.00 3771075.00 29.30272
372945.00 3771075.00 21.07837 372955.00 3771075.00 15.74560

*** AERMOD - VERSION 21112 *** ***
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*** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LOADINGD ***
INCLUDING SOURCE(S): L0002124 , L0002125 , L0002126 , L0002127 , L0002128 , L0002129 , L0002130 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC

372965.00 3771075.00 12.12172 372935.00 3771085.00 40.88617
372945.00 3771085.00 28.53648 372955.00 3771085.00 20.82953
372965.00 3771085.00 15.74216 372935.00 3771095.00 49.38094
372945.00 3771095.00 34.84230 372955.00 3771095.00 25.51040
372965.00 3771095.00 19.26398 372935.00 3771105.00 51.42552
372945.00 3771105.00 37.94454 372955.00 3771105.00 28.55806
372965.00 3771105.00 21.93507

*** AERMOD - VERSION 21112 *** ***
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*** AERMET - VERSION 16216 *** ***
*** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2 ***
INCLUDING SOURCE(S): L0005176 , L0005177 , L0005178 , L0005179 , L0005180 , L0005181 , L0005182 , L0005183 , L0005184 , L0005185 , L0005186 , L0005187 , L0005188 , L0005189 , L0005190 , L0005191 , L0005192 , L0005193 , L0005194 , L0005195 , L0005196 , L0005197 , L0005198 , L0005199 , L0005200 , L0005201 , L0005202 , L0005203 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
372710.00	3770950.00	1.44839	372720.00	3770950.00	1.60281
372730.00	3770950.00	1.77599	372740.00	3770950.00	1.96944
372750.00	3770950.00	2.18430	372760.00	3770950.00	2.42116
372770.00	3770950.00	2.67898	372780.00	3770950.00	2.95523
372790.00	3770950.00	3.24559	372800.00	3770950.00	3.54078
372810.00	3770950.00	3.82936	372820.00	3770950.00	4.09820
372830.00	3770950.00	4.33194	372840.00	3770950.00	4.51536
372850.00	3770950.00	4.63312	372860.00	3770950.00	4.67276
372870.00	3770950.00	4.62613	372880.00	3770950.00	4.49114
372890.00	3770950.00	4.27399	372710.00	3770960.00	1.57263
372720.00	3770960.00	1.75505	372730.00	3770960.00	1.96293
372740.00	3770960.00	2.19921	372750.00	3770960.00	2.46671
372760.00	3770960.00	2.76762	372770.00	3770960.00	3.10220
372780.00	3770960.00	3.46850	372790.00	3770960.00	3.86131
372800.00	3770960.00	4.26924	372810.00	3770960.00	4.67717
372820.00	3770960.00	5.06567	372830.00	3770960.00	5.41126
372840.00	3770960.00	5.68992	372850.00	3770960.00	5.87799
372860.00	3770960.00	5.95470	372870.00	3770960.00	5.90466
372880.00	3770960.00	5.72193	372890.00	3770960.00	5.41265
372710.00	3770970.00	1.70158	372720.00	3770970.00	1.91588
372730.00	3770970.00	2.16435	372740.00	3770970.00	2.45225
372750.00	3770970.00	2.78516	372760.00	3770970.00	3.16841
372770.00	3770970.00	3.60513	372780.00	3770970.00	4.09541
372790.00	3770970.00	4.63414	372800.00	3770970.00	5.20778
372810.00	3770970.00	5.79600	372820.00	3770970.00	6.36985
372830.00	3770970.00	6.89313	372840.00	3770970.00	7.32753
372850.00	3770970.00	7.63656	372860.00	3770970.00	7.78416
372870.00	3770970.00	7.73954	372880.00	3770970.00	7.48746
372890.00	3770970.00	7.03724	372710.00	3770980.00	1.83274
372720.00	3770980.00	2.08263	372730.00	3770980.00	2.37776
372740.00	3770980.00	2.72693	372750.00	3770980.00	3.14030
372760.00	3770980.00	3.62869	372770.00	3770980.00	4.20127
372780.00	3770980.00	4.86359	372790.00	3770980.00	5.61353
372800.00	3770980.00	6.43624	372810.00	3770980.00	7.30397
372820.00	3770980.00	8.17237	372830.00	3770980.00	8.98538
372840.00	3770980.00	9.68241	372850.00	3770980.00	10.20856
372860.00	3770980.00	10.50040	372870.00	3770980.00	10.49524
372880.00	3770980.00	10.15009	372710.00	3770990.00	1.96276
372720.00	3770990.00	2.25126	372730.00	3770990.00	2.59859
372740.00	3770990.00	3.01884	372750.00	3770990.00	3.52929

*** AERMOD - VERSION 21112 *** *** C:\AERMOD\MtLebanon\MtLebanon.isc *** 10/27/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2 ***
INCLUDING SOURCE(S): L0005176 , L0005177 , L0005178 , L0005179 , L0005180 , L0005181 , L0005182 , L0005183 , L0005184 , L0005185 , L0005186 , L0005187 , L0005188 , L0005189 , L0005190 , L0005191 , L0005192 , L0005193 , L0005194 , L0005195 , L0005196 , L0005197 , L0005198 , L0005199 , L0005200 , L0005201 , L0005202 , L0005203 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
372760.00	3770990.00	4.15022	372770.00	3770990.00	4.90266
372780.00	3770990.00	5.80515	372790.00	3770990.00	6.86650
372800.00	3770990.00	8.07480	372810.00	3770990.00	9.39091
372820.00	3770990.00	10.74276	372830.00	3770990.00	12.04015
372840.00	3770990.00	13.19585	372850.00	3770990.00	14.13037
372710.00	3771000.00	2.08705	372720.00	3771000.00	2.41588
372730.00	3771000.00	2.81948	372740.00	3771000.00	3.31925
372750.00	3771000.00	3.94326	372760.00	3771000.00	4.72741
372770.00	3771000.00	5.71501	372780.00	3771000.00	6.95336
372790.00	3771000.00	8.48277	372800.00	3771000.00	10.31096
372810.00	3771000.00	12.38126	372710.00	3771050.00	2.43450

372720.00 3771050.00 2.90244 372730.00 3771050.00 3.51641
372740.00 3771050.00 4.34433 372750.00 3771050.00 5.49980
372760.00 3771050.00 7.18665 372770.00 3771050.00 9.78999
372780.00 3771050.00 14.11401 372790.00 3771050.00 21.98419
372800.00 3771050.00 36.79989 372710.00 3771060.00 2.41916
372720.00 3771060.00 2.88360 372730.00 3771060.00 3.49266
372740.00 3771060.00 4.31205 372750.00 3771060.00 5.45360
372760.00 3771060.00 7.12960 372770.00 3771060.00 9.73118
372780.00 3771060.00 14.06224 372790.00 3771060.00 21.94720
372800.00 3771060.00 36.52070 372710.00 3771070.00 2.37235
372720.00 3771070.00 2.82045 372730.00 3771070.00 3.40329
372740.00 3771070.00 4.17811 372750.00 3771070.00 5.24245
372760.00 3771070.00 6.79170 372770.00 3771070.00 9.16771
372780.00 3771070.00 13.03431 372790.00 3771070.00 19.89816
372800.00 3771070.00 32.08178 372710.00 3771080.00 2.29646
372720.00 3771080.00 2.71804 372730.00 3771080.00 3.26150
372740.00 3771080.00 3.96886 372750.00 3771080.00 4.91875
372760.00 3771080.00 6.26836 372770.00 3771080.00 8.26653
372780.00 3771080.00 11.34862 372790.00 3771080.00 16.56912
372800.00 3771080.00 25.17599 372710.00 3771090.00 2.19655
372720.00 3771090.00 2.58388 372730.00 3771090.00 3.07597
372740.00 3771090.00 3.70028 372750.00 3771090.00 4.51096
372760.00 3771090.00 5.62521 372770.00 3771090.00 7.20125
372780.00 3771090.00 9.47362 372790.00 3771090.00 13.03561
372800.00 3771090.00 18.30016 372710.00 3771100.00 2.07807
372720.00 3771100.00 2.42661 372730.00 3771100.00 2.86166
372740.00 3771100.00 3.39767 372750.00 3771100.00 4.07509
372760.00 3771100.00 4.96680 372770.00 3771100.00 6.15928
372780.00 3771100.00 7.75871 372790.00 3771100.00 10.10237

*** AERMOD - VERSION 21112 *** *** C:\AERMOD\MtLebanon\MtLebanon.isc *** 10/27/21
*** AERMET - VERSION 16216 *** *** *** 10:33:08

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2 ***

INCLUDING SOURCE(S): L0005176 , L0005177 , L0005178 , L0005179 , L0005180 , L0005181 , L0005182 , L0005183 , L0005184 , L0005185 , L0005186 , L0005187 , L0005188 , L0005189 , L0005190 , L0005191 , L0005192 , L0005193 , L0005194 , L0005195 , L0005196 , L0005197 , L0005198 , L0005199 , L0005200 , L0005201 , L0005202 , L0005203 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
372800.00	3771100.00	13.26890	372710.00	3771110.00	1.94602
372720.00	3771110.00	2.25449	372730.00	3771110.00	2.63317
372740.00	3771110.00	3.10047	372750.00	3771110.00	3.68583
372760.00	3771110.00	4.40962	372770.00	3771110.00	5.29342
372780.00	3771110.00	6.38403	372790.00	3771110.00	7.94598
372800.00	3771110.00	9.93725	372710.00	3771120.00	1.80743
372720.00	3771120.00	2.07713	372730.00	3771120.00	2.40283
372740.00	3771120.00	2.79752	372750.00	3771120.00	3.27480
372760.00	3771120.00	3.85500	372770.00	3771120.00	4.53001
372780.00	3771120.00	5.27492	372790.00	3771120.00	6.34922
372800.00	3771120.00	7.67268	372710.00	3771130.00	1.66746
372720.00	3771130.00	1.90169	372730.00	3771130.00	2.17946
372740.00	3771130.00	2.50706	372750.00	3771130.00	2.89101
372760.00	3771130.00	3.34500	372770.00	3771130.00	3.87113
372780.00	3771130.00	4.39769	372790.00	3771130.00	5.15514
372800.00	3771130.00	6.06972	372710.00	3771140.00	1.52848
372720.00	3771140.00	1.72315	372730.00	3771140.00	1.95191
372740.00	3771140.00	2.22943	372750.00	3771140.00	2.54538
372760.00	3771140.00	2.89993	372770.00	3771140.00	3.28027
372780.00	3771140.00	3.68575	372790.00	3771140.00	4.24040
372800.00	3771140.00	4.90216	372710.00	3771150.00	1.39548
372720.00	3771150.00	1.55519	372730.00	3771150.00	1.73881
372740.00	3771150.00	1.96097	372750.00	3771150.00	2.21613
372760.00	3771150.00	2.49179	372770.00	3771150.00	2.78680
372780.00	3771150.00	3.11788	372790.00	3771150.00	3.53558

372800.00 3771150.00 4.02624 372910.00 3770890.00 1.35060
372920.00 3770890.00 1.27991 372930.00 3770890.00 1.20447
372940.00 3770890.00 1.12674 372950.00 3770890.00 1.04877
372960.00 3770890.00 0.97234 372970.00 3770890.00 0.89877
372910.00 3770900.00 1.55431 372920.00 3770900.00 1.46549
372930.00 3770900.00 1.37133 372940.00 3770900.00 1.27506
372950.00 3770900.00 1.17942 372960.00 3770900.00 1.08657
372970.00 3770900.00 0.99811 372910.00 3770910.00 1.80392
372920.00 3770910.00 1.69082 372930.00 3770910.00 1.57179
372940.00 3770910.00 1.45126 372950.00 3770910.00 1.33278
372960.00 3770910.00 1.21910 372910.00 3770920.00 2.11368
372920.00 3770920.00 1.96744 372930.00 3770920.00 1.81492
372940.00 3770920.00 1.66211 372950.00 3770920.00 1.51379
372910.00 3770930.00 2.50359 372920.00 3770930.00 2.31116
372930.00 3770930.00 2.11261 372940.00 3770930.00 1.91631

*** AERMOD - VERSION 21112 *** *** C:\AERMOD\MtLebanon\MtLebanon.isc *** 10/27/21
*** AERMET - VERSION 16216 *** *** *** 10:33:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2 ***
INCLUDING SOURCE(S): L0005176 , L0005177 , L0005178 , L0005179 , L0005180 , L0005181 , L0005182 , L0005183 , L0005184 , L0005185 , L0005186 , L0005187 , L0005188 , L0005189 , L0005190 , L0005191 , L0005192 , L0005193 , L0005194 , L0005195 , L0005196 , L0005197 , L0005198 , L0005199 , L0005200 , L0005201 , L0005202 , L0005203 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
372910.00	3770940.00	3.00249	372920.00	3770940.00	2.74409
372930.00	3770940.00	2.48096	372910.00	3770950.00	3.65368
372920.00	3770950.00	3.29841	372840.00	3771092.11	49.61696
372850.00	3771092.11	55.45825	372860.00	3771092.11	59.45424
372870.00	3771092.11	61.77588	372840.00	3771102.11	31.94800
372850.00	3771102.11	36.53786	372860.00	3771102.11	40.04539
372870.00	3771102.11	42.44338	372840.00	3771112.11	21.52100
372850.00	3771112.11	24.94404	372860.00	3771112.11	27.83941
372870.00	3771112.11	30.07640	372840.00	3771122.11	15.19677
372850.00	3771122.11	17.68529	372860.00	3771122.11	19.99244
372870.00	3771122.11	21.95103	372840.00	3771132.11	11.19552
372850.00	3771132.11	13.00359	372860.00	3771132.11	14.79346
372870.00	3771132.11	16.43370	372840.00	3771142.11	8.56475
372850.00	3771142.11	9.89349	372860.00	3771142.11	11.25781
372870.00	3771142.11	12.57688	372810.00	3771182.11	2.55101
372820.00	3771182.11	2.86641	372830.00	3771182.11	3.24059
372840.00	3771182.11	3.64794	372850.00	3771182.11	4.10201
372860.00	3771182.11	4.60221	372870.00	3771182.11	5.13229
372880.00	3771182.11	5.67708	372890.00	3771182.11	6.22481
372900.00	3771182.11	6.74124	372910.00	3771182.11	7.19975
372810.00	3771192.11	2.17788	372820.00	3771192.11	2.43406
372830.00	3771192.11	2.73780	372840.00	3771192.11	3.06173
372850.00	3771192.11	3.42065	372860.00	3771192.11	3.82039
372870.00	3771192.11	4.24649	372880.00	3771192.11	4.69358
372890.00	3771192.11	5.15421	372900.00	3771192.11	5.60454
372910.00	3771192.11	6.01720	372955.00	3770995.00	4.24976
372965.00	3770995.00	3.49995	372945.00	3771005.00	6.40450
372955.00	3771005.00	5.10723	372965.00	3771005.00	4.15617
372945.00	3771015.00	8.10647	372955.00	3771015.00	6.35422
372965.00	3771015.00	5.10101	372945.00	3771025.00	10.72459
372955.00	3771025.00	8.20951	372965.00	3771025.00	6.46783
372945.00	3771035.00	14.35871	372955.00	3771035.00	10.73891
372965.00	3771035.00	8.30388	372935.00	3771045.00	26.06061
372945.00	3771045.00	18.51571	372955.00	3771045.00	13.71048
372965.00	3771045.00	10.49409	372935.00	3771055.00	31.14559
372945.00	3771055.00	22.41741	372955.00	3771055.00	16.69095
372965.00	3771055.00	12.78638	372935.00	3771065.00	34.39683
372945.00	3771065.00	25.38783	372955.00	3771065.00	19.21280
372965.00	3771065.00	14.87035	372935.00	3771075.00	35.44090
372945.00	3771075.00	27.00109	372955.00	3771075.00	20.91835

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 *** AERMOD - VERSION 21112  ***   ***
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10/27/21
 *** AERMET - VERSION  16216 ***   ***
***       10:33:08

PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    *** THE PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION   VALUES FOR SOURCE GROUP: CONST2   ***
                      INCLUDING SOURCE(S):    L0005176    ,
L0005177    , L0005178    , L0005179    , L0005180    ,
            L0005181    , L0005182    , L0005183    , L0005184    ,
L0005185    , L0005186    , L0005187    , L0005188    ,
            L0005189    , L0005190    , L0005191    , L0005192    ,
L0005193    , L0005194    , L0005195    , L0005196    ,
            L0005197    , L0005198    , L0005199    , L0005200    ,
L0005201    , L0005202    , L0005203    , . . .     ,

                          *** DISCRETE CARTESIAN RECEPTOR
POINTS ***

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

     X-COORD (M)   Y-COORD (M)       CONC                  X-COORD
(M)   Y-COORD (M)       CONC
 -----------------------------------------------------------
------------
       372965.00    3771075.00       16.46831              372935.00
3771085.00       34.27206
       372945.00    3771085.00       27.10521              372955.00
3771085.00       21.61512
       372965.00    3771085.00       17.39988              372935.00
3771095.00       31.47451
       372945.00    3771095.00       25.90733              372955.00
3771095.00       21.33760
       372965.00    3771095.00       17.62376              372935.00
3771105.00       27.80797
       372945.00    3771105.00       23.83913              372955.00
3771105.00       20.29220
       372965.00    3771105.00       17.22130
 *** AERMOD - VERSION 21112  ***   ***
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10/27/21
 *** AERMET - VERSION  16216 ***   ***
***       10:33:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE SUMMARY OF MAXIMUM PERIOD (
43848 HRS) RESULTS ***


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


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

LOADINGD  1ST HIGHEST VALUE IS     223.48246 AT (  372870.00,
3771092.11,    48.54,    48.54,    0.00)  DC
        2ND HIGHEST VALUE IS     143.35648 AT (  372860.00,
3771092.11,    48.56,    48.56,    0.00)  DC
        3RD HIGHEST VALUE IS     119.82170 AT (  372870.00,
3771102.11,    48.60,    48.60,    0.00)  DC
        4TH HIGHEST VALUE IS      87.28152 AT (  372850.00,
3771092.11,    48.54,    48.54,    0.00)  DC
        5TH HIGHEST VALUE IS      83.07761 AT (  372860.00,
3771102.11,    48.65,    48.65,    0.00)  DC
        6TH HIGHEST VALUE IS      67.03626 AT (  372870.00,
3771112.11,    48.55,    48.55,    0.00)  DC
        7TH HIGHEST VALUE IS      56.34272 AT (  372850.00,
3771102.11,    48.65,    48.65,    0.00)  DC
        8TH HIGHEST VALUE IS      51.42552 AT (  372935.00,
3771105.00,    48.01,    48.01,    0.00)  DC
        9TH HIGHEST VALUE IS      50.01684 AT (  372840.00,
3771092.11,    48.50,    48.50,    0.00)  DC
       10TH HIGHEST VALUE IS      49.38094 AT (  372935.00,
3771095.00,    48.00,    48.00,    0.00)  DC

CONST2    1ST HIGHEST VALUE IS      61.77588 AT (  372870.00,
3771092.11,    48.54,    48.54,    0.00)  DC
        2ND HIGHEST VALUE IS      59.45424 AT (  372860.00,
3771092.11,    48.56,    48.56,    0.00)  DC
        3RD HIGHEST VALUE IS      55.45825 AT (  372850.00,
3771092.11,    48.54,    48.54,    0.00)  DC
        4TH HIGHEST VALUE IS      49.61696 AT (  372840.00,
3771092.11,    48.50,    48.50,    0.00)  DC
        5TH HIGHEST VALUE IS      42.44338 AT (  372870.00,
3771102.11,    48.60,    48.60,    0.00)  DC
        6TH HIGHEST VALUE IS      40.04539 AT (  372860.00,
3771102.11,    48.65,    48.65,    0.00)  DC
        7TH HIGHEST VALUE IS      36.79989 AT (  372800.00,
3771050.00,    47.65,    47.65,    0.00)  DC
        8TH HIGHEST VALUE IS      36.53786 AT (  372850.00,
3771102.11,    48.65,    48.65,    0.00)  DC
        9TH HIGHEST VALUE IS      36.52070 AT (  372800.00,
3771060.00,    47.71,    47.71,    0.00)  DC
       10TH HIGHEST VALUE IS      35.44090 AT (  372935.00,
3771075.00,    47.61,    47.61,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 21112  ***   ***
C:\AERMOD\MtLebanon\MtLebanon.isc                    ***
10/27/21
 *** AERMET - VERSION  16216 ***   ***
***       10:33:08

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 *** 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           2 Warning Message(s)
 A Total of         799 Informational Message(s)

 A Total of       43848 Hours Were Processed

 A Total of         455 Calm Hours Identified

 A Total of         344 Missing Hours Identified (  0.78 Percent)


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

```
   ********   WARNING MESSAGES   ********
 ME W186    1324       MEOPEN: THRESH_1MIN 1-min ASOS wind
speed threshold used            0.50
 ME W187    1324       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
```

Appendix D

MATES IV Total Cancer Risk for Project Site
(Figure IV.A-2 of Draft EIR)

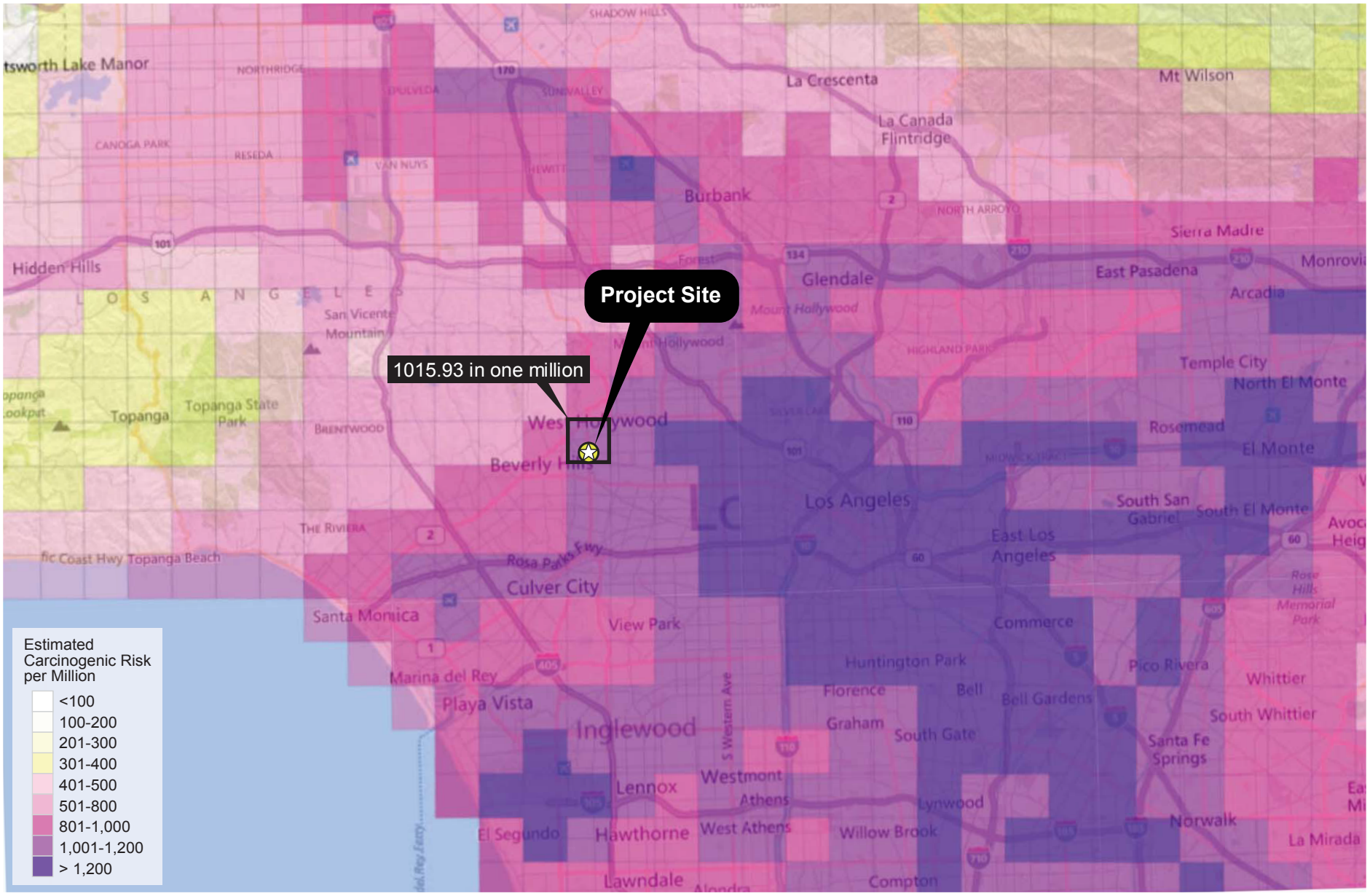

Figure IV.A-3
MATES IV Total Cancer Risk for Project Area

Source: South Coast AQMD, 2016.