El Monte Walmart

AIR QUALITY IMPACT ANALYSIS

CITY OF EL MONTE

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg/m3	Microgram per Cubic Meter
AADT	Annual Average Daily Trips
AQIA	Air Quality Impact Analysis
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
BACM	Best Available Control Measures
BMPs	Best Management Practices
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CO	Carbon Monoxide
DPM	Diesel Particulate Matter
EPA	Environmental Protection Agency
LST	Localized Significance Threshold
NAAQS	National Ambient Air Quality Standards
NO2	Nitrogen Dioxide
NOx	Oxides of Nitrogen
Pb	Lead
PM10	Particulate Matter 10 microns in diameter or less
PM2.5	Particulate Matter 2.5 microns in diameter or less
PPM	Parts Per Million
Project	El Monte Walmart
ROG	Reactive Organic Gases
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SIPs	State Implementation Plans
SRA	Source Receptor Area
TAC	Toxic Air Contaminant

TIA	Traffic Impact Analysis
TOG	Total Organic Gases
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds

1 INTRODUCTION

This report presents the results of the air quality impact analysis (AQIA) prepared by Urban Crossroads, Inc., for the proposed Walmart in the City of El Monte (referred to as "Project").

The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project, and recommend measures to mitigate impacts considered potentially significant in comparison to established regulatory thresholds.

1.1 PROJECT LOCATION

The Project site is located within the northwestern portion of the City of El Monte, within Los Angeles County, near the intersection of Valley Boulevard and Arden Drive. Specifically, Arden Drive borders the Project site to the west; the boundary of an existing City of El Monte Maintenance Facility located northerly of Rose Avenue comprises the site's northerly boundary; Valley Circle forms the site's easterly boundary; and parcels containing industrial/office facilities with Valley Boulevard frontages comprise the site's southerly boundary. Please refer also Exhibit 1-A, "Project Location."

1.2 EXISTING LAND USES AND LAND USE DESIGNATIONS

The following discussions summarize existing land use conditions in the Project vicinity and provide context for the Project.

1.2.1 EXISTING LAND USES

The Project site (APN 8575-024-043) is roughly rectangular in shape, totaling approximately 15.41 acres. The Project site, as shown on Exhibit 1-B, "Existing Land Uses" is essentially level and currently vacant. The site was historically used for agriculture and the manufacturing of glass products and, more recently, the production of food and beverage containers. Manufacturing facilities previously occupying the Project site were demolished in 2011.

The Project site has been extensively disturbed by human activities, including demolition of facilities and associated heavy equipment operations. The Project site evidences no topographic features of note; nor is any protected or intrinsically valuable biologic habitat located within the Project site. The limited vegetation that does exist within the Project site consists primarily of non-native, ruderal grasses and shrubs evident along the perimeter of the Project site.

The Project site has been rough-graded, and is essentially flat, with an elevation of approximately 280 feet above mean sea level (MSL). The Project grading plan concept indicates that approximately 4,000 cubic yards of soil would be exported from the site in the course of Project development.

EXHIBIT 1-A: PROJECT LOCATION

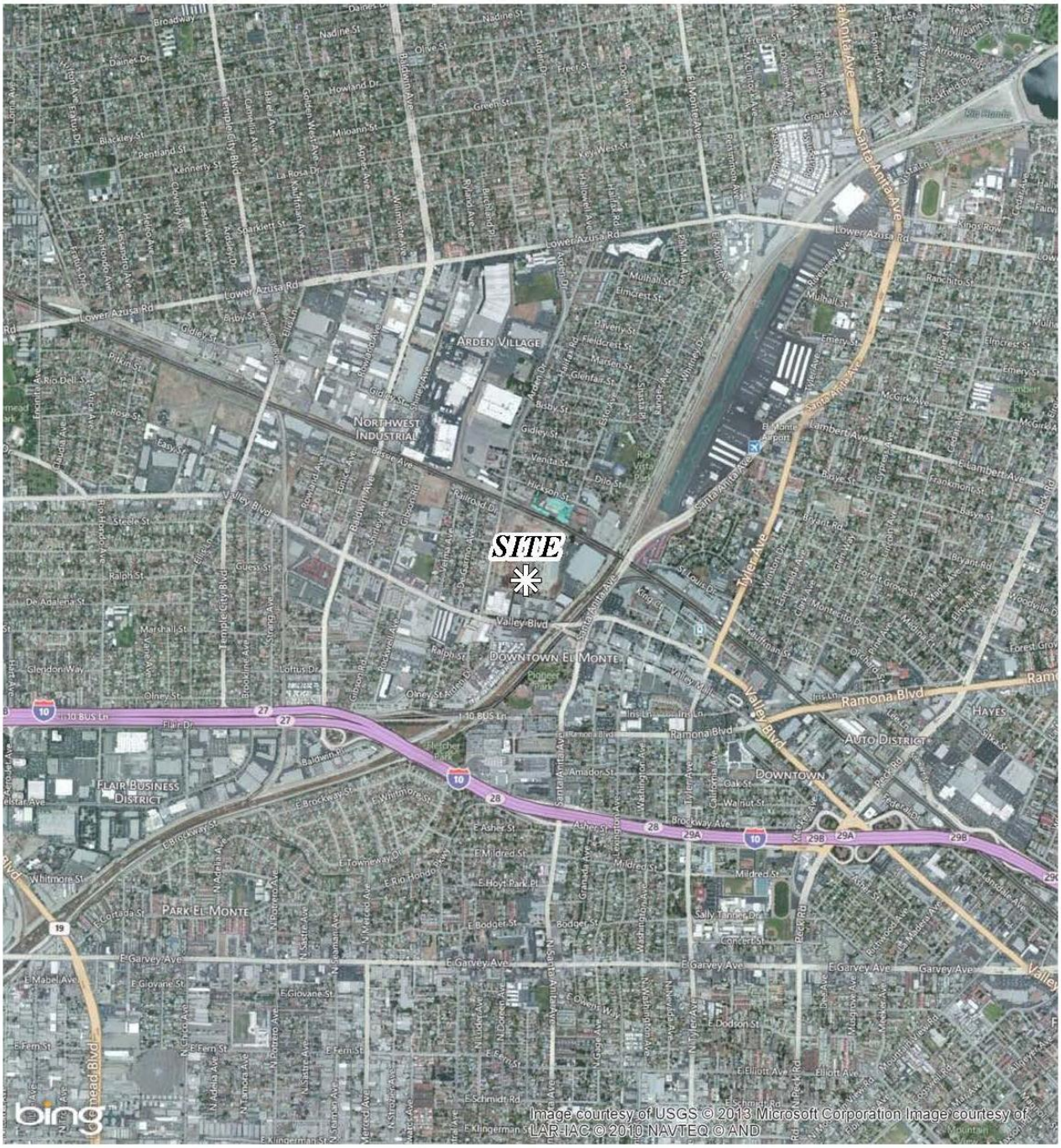
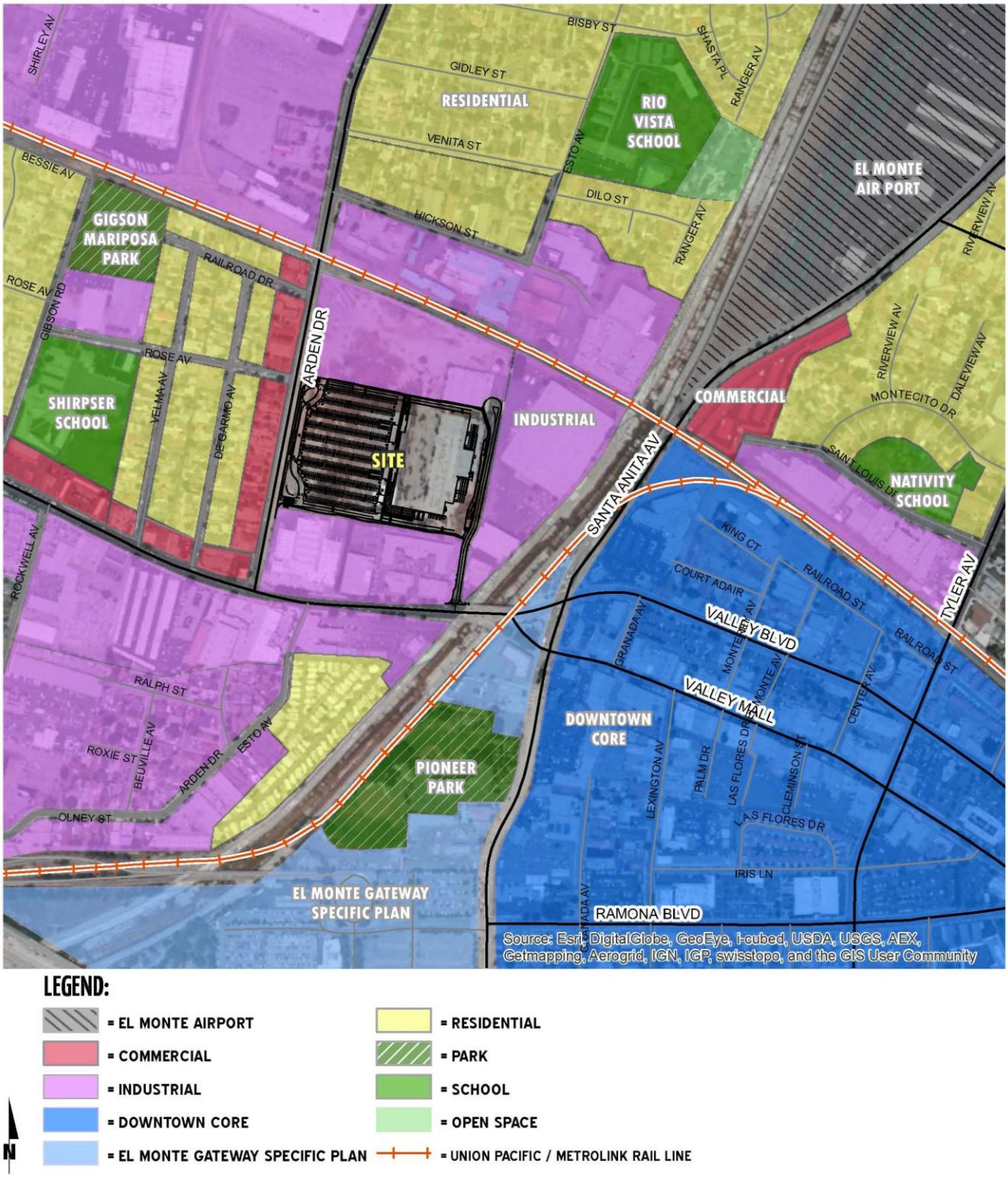


EXHIBIT 1-B: EXISTING LAND USES



1.2.2 VICINITY LAND USES

To the west of the Project site, across Arden Drive, properties include a mix of single-family residential and commercial uses. To the north, an existing City of El Monte Maintenance Facility and associated parking areas border the Project area. To the east, between the Project boundary and the Rio Hondo Channel, are existing industrial facilities. To the south, parcels abutting the Project site contain large-scale industrial, commercial and municipal office buildings, with frontages on Valley Boulevard. An existing masonry wall separates these uses from the Project.

As seen in the following Exhibit 1-B, "Existing Land Uses," two (2) El Monte City School District elementary schools are located in the vicinity of the Project site. The first of these is Shirpser Elementary School, which serves grades K-5, and is located at 4020 Gibson Road, approximately 800 feet west of the Project's westerly boundary. The other District school, Rio Vista Elementary School, serves grades K-6 and is located at 4300 North Esto Avenue, approximately one-quarter mile northeasterly of the Project site. In addition to the above District schools, The Nativity Catholic School (a private school serving grades K-12) is located at 10907 St. Louis Drive, approximately one-third mile easterly of the Project site, across the Rio Hondo Channel.

Other notable physical features in the Project vicinity include the Rio Hondo Channel (Channel), a fully improved flood control facility traversing the westerly portions of the City. The Channel conveys stormwater from Peck Water Conservation Park (approximately 2.5 miles northeasterly of the Project site) beyond the City limits, ultimately merging with the Los Angeles River approximately twelve (12) miles southwesterly of the City. The River then drains southerly for approximately twelve (12) miles to its terminus at the Port of Long Beach/Pacific Ocean. The Rio Hondo Bike Path parallels the Channel's east side. Pioneer Park, a City cultural and recreational facility, is located along the Rio Hondo Bike Path at 3575 Santa Anita Avenue, on the easterly side of the Channel, approximately 1,000 feet southerly of the Project site. Additionally, a Union Pacific/Metrolink rail line configured in a generally northwest-to-southeast orientation is located approximately 600 feet northerly of the Project site, northerly of the City's maintenance facility and an adjacent California Department of Motor Vehicles (DMV) office.

1.2.3 EXISTING LAND USE DESIGNATIONS

The City of El Monte General Plan Land Use designation of the Project site is "Industrial/Business Park." Zoning designation of the site is "General Manufacturing," (M-2). The Applicant is requesting an amendment to the site's existing General Plan land use designation to "General Commercial" and a zone change to "Heavy Commercial" (C-4) to reflect the intended use of the property. Additionally, the Project includes the modification of the boundaries of the Northwest Industrial District to remove that portion generally located east of Arden Drive and south of the Southern Pacific Railroad.

Vicinity properties are designated for a variety of land uses ranging from industrial and commercial to residential and open space (parks).

1.3 PROJECT ELEMENTS

1.3.1 SITE PREPARATION

Following the completion of any necessary site remediation activities involving near-surface soils, the Project site would be graded in preparation for building construction.

Any existing surface improvements within the Project site (e.g., remnant paving and concrete pads) would be demolished and the site would be rough-graded and fine-graded in preparation of building construction. Existing grades within the Project site would be modified to establish suitable building pads and to facilitate site drainage. The current grading plan concept indicates that approximately 4,000 cubic yards of soil would be exported from the site over the course of project development.

Debris generated during site preparation activities would be disposed of and/or recycled consistent with the City's Source Reduction and Recycling Element (SRRE). In this latter regard, Walmart would develop and implement a Construction and Demolition (C&D) program to capture and recycle metals, woods, floor and ceiling tiles, concretes, asphalts and other materials that may be generated as part of Project implementation.

1.3.2 DEVELOPMENT CONCEPT

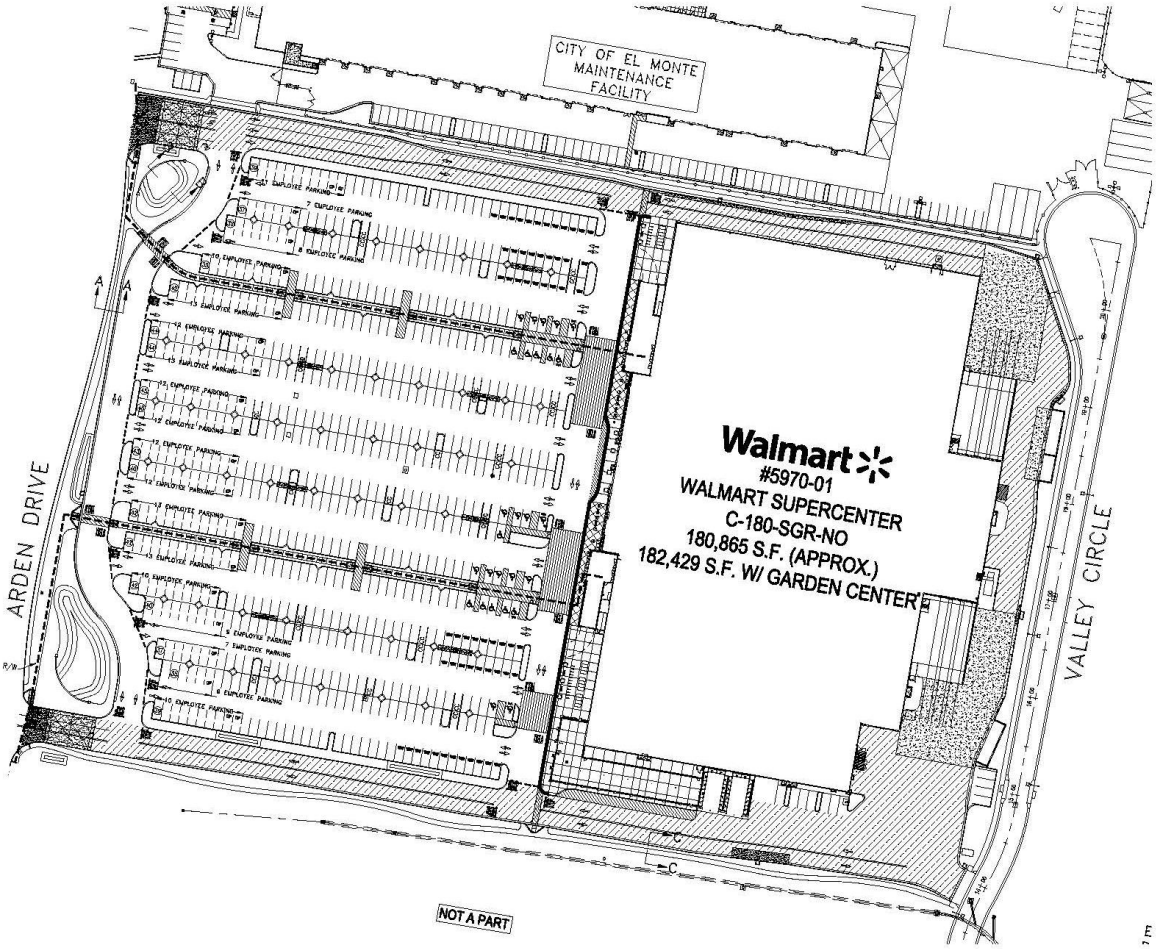
The Project proposes development of an approximately 182,429-square-foot[1] Walmart, within an approximately 15.41-acre site. In addition to offering general merchandise and groceries, the Walmart would include a bakery, deli, photo lab, off-site alcohol sales, along with a food tenant (e.g., McDonalds), a non-food tenant (e.g., a bank, medical clinic, portrait studio or salon), and an outdoor garden center. The Project would also implement associated access, circulation, parking and loading facilities, and supporting infrastructure improvements. Orientation of proposed uses within the Project site is illustrated at Exhibit 1-C, "Site Plan Concept." Consistent with guidelines and requirements of the City General Plan and Municipal Code, building concepts proposed by the Project reflect a contemporary commercial architectural style evidencing articulated surfaces and roof lines, and employing varied exterior finish materials.

It is noted here that the location and sizes of proposed facilities within the Project site are approximate, but considered accurate for planning and environmental evaluation purposes. Ultimate configuration and orientation of the facilities proposed by the Project are subject to City review and approval. However, such changes would not substantively affect environmental analyses or conclusions presented herein.

The Project would be designed, constructed, and operated in a manner that would act to reduce resource consumption and promote the efficient use of energy, water, and construction materials, with correlating environmental benefits. Please refer also to Section 1.4, "Energy

[1] For analysis purposes, as a conservative measure, we have used a building square footage of 182,500 which is consistent with the Traffic Impact Analysis which would overstate rather than understate Project emissions

EXHIBIT 1-C: SITE PLAN CONCEPT



Efficiency/Sustainability" providing descriptions of energy efficiency and sustainability elements and programs incorporated in the Project.

The Project would also be designed in accordance with applicable building code requirements including but not limited to: Americans with Disabilities Act (ADA); California Building Code (CBC); California Green Building Standards Code Green Building Code (CALGreen); applicable General Plan design standards, policies and programs; and requirements of the City Municipal Code.

For the purposes of this analysis, it is assumed that the Project would be constructed and at full occupancy by 2016.

1.4 PROJECT SUSTAINABILITY FEATURES

1.4.1 GENERAL

As implemented and operated, the Project will meet or surpass all California Title 24 Energy Efficiency Standards. To this end, the Project will be implemented consistent with established Walmart practices providing for energy efficiency, energy conservation, and use of alternative energy sources (summarized below). Energy-saving and sustainable design features and operational programs incorporated in the Project are summarized and described below. Pursuant to Mitigation Measure AQ-4 presented herein, the Project would be required to demonstrate a minimum 5% improvement on requirements and performance standards established under the Building Energy Efficiency Standards contained in the California Code of Regulations (CCR), Title 24, Part 6 (Title 24, Title 24 Energy Efficiency Standards).

BUILDING ENERGY AND RESOURCE CONSERVATION

Lighting:

- The entire store would include occupancy sensors in most non-sales areas, including restrooms, break rooms, and offices. The sensors automatically turn the lights off when the space is unoccupied.
- All lighting in the store would consist of T-8 fluorescent lamps and electronic ballasts, resulting in up to a 15 to 20 percent reduction in energy load.
- All exterior building signage and many refrigerated food cases would be illuminated with light emitting diodes (LEDs). In refrigerated food cases, LEDs perform well in the cold and produce less heat (which must be compensated for by the refrigeration equipment) than fluorescent bulbs. LEDs also contain no mercury or lead. LED technology is up to 52 percent more energy efficient than fluorescent lights. Total estimated energy savings for LED lighting in the store's grocery section is approximately 59,000 kWh per year, enough energy to power five single family homes.
- The store would include a daylight harvesting system, which incorporates more efficient lighting, electronic continuous dimming ballasts, skylights and computer controlled daylight sensors that monitor the amount of natural light available. During periods of higher natural daylight, the system dims or turns off the store lights if they are not needed, thereby reducing energy use.

This program would help the store save a substantial amount of energy. Dimming and turning off building lights also helps eliminate unnecessary heat in the building.

Central Energy Management System:

- Walmart employs a centralized energy management system (EMS) to monitor and control the heating, air conditioning, refrigeration and lighting systems for all stores from Walmart's corporate headquarters in Bentonville, Arkansas. The EMS enables Walmart to constantly monitor and control the expanded store's energy use, analyze refrigeration temperatures, observe HVAC and lighting performance, and adjust system levels from a central location 24 hours per day, seven days per week. Energy use for the entire store would be monitored and controlled in this manner.

Heating Ventilation and Air Conditioning (HVAC) Systems:

- The store would employ energy efficient heating (HVAC) systems surpassing industry baseline standards and California Title 24 requirements. In this regard, current designs for Walmart stores incorporate HVAC systems rated as among the industry's most energy efficient.

Dehumidification:

- The Walmart store would include a dehumidifying system allowing the store to operate comfortably at a higher interior temperature, use less energy for air conditioning, and allow the air conditioning/refrigeration systems to operate more efficiently.

White Roofs:

- The store would utilize a white membrane roof instead of the typical darker colored roof materials employed in commercial construction. The white membrane roof's higher reflectivity helps reduce building energy consumption and reduces the heat island effect, as compared to buildings utilizing darker roofing colors.

Refrigeration:

- Refrigeration equipment is typically roof-mounted proximate to refrigerated cases. This reduces the amount of copper refrigerant piping, insulation, and minimizes the potential for refrigerant leaks and attendant demands for refrigerant recharging. Walmart uses non ozone-depleting refrigerants (R407a and R410a) for refrigeration equipment and air conditioning, respectively.

Heat Reclamation:

- The proposed Walmart store would reclaim waste heat from onsite refrigeration equipment to supply approximately 70 percent of the hot water needs for the store.

Water Conservation:

- Walmart would install high-efficiency urinals that use only one-eighth (1/8) gallon of water per flush. This fixture reduces water use by 87 percent compared to the conventional one gallon per flush urinal. The 1/8 gallon urinal also requires less maintenance than waterless urinals.
- All restroom sinks would use sensor-activated one-half (1/2) gallon per minute high-efficiency faucets. These faucets reduce water use by approximately 75 percent when compared to

mandated 1992 EPA Standards. During use, water flows through turbines built into the faucets to generate the electricity needed to operate the motion sensors.

- Water efficient restroom toilets would be employed in the Walmart restrooms. These fixtures use 20 percent less water compared to mandated EPA Standards of 1.6 gallon per flush fixtures.
    - The toilets utilize built-in water turbines to generate the power required to activate the flush mechanism. These turbines save energy and material by eliminating electrical conduits required to power automatic flush valve sensors.
    - It is estimated that Walmart's water conservation measures could save up to 530,000 gallons of water annually at this store.

Material and Finishes:

Cement Mixes

- The store would be built using cement mixes that include 15 to 20 percent fly ash, a waste product of coal-fired electrical generation, or 25 to 30 percent slag, a by-product of the steel manufacturing process. By incorporating these waste product materials into its cement mixes, Walmart offsets the greenhouse gases emitted in the cement manufacturing process.
- The store would use Non-Reinforced Thermoplastic Panel (NRP) in lieu of Fiber Reinforced Plastic (FRP) sheets on the walls in areas where plastic sheeting is appropriate, including food preparation areas, utility and janitorial areas, and associate break rooms. NRP can be recycled, has better impact resistance and, like FRP, is easy to keep clean.
- The store would employ a plant-based oil extracted from a renewable resource as a concrete form release agent (a product sprayed on concrete forms to allow ease of removal after the concrete has set). This release agent is nonpetroleum based non-toxic and a biodegradable agent. For the store's exterior and interior field paint coatings, Walmart would use low-volatile organic (VOC) content paint consistent with South Coast Air Quality Management District (SCAQMD) requirements.
- Paint products required for the Project would be primarily purchased in 55 gallon drums and 275 gallon totes, reducing the number of one gallon and five gallon buckets needed. These plastic buckets are filled from the drums and totes and then returned to the paint supplier for cleaning and reuse.
- Exposed concrete floors are used where appropriate thereby reducing surface applied flooring materials. Use of exposed concrete floors also substantially reduces the need for most chemical cleaners, wax strippers, and propane-powered floor buffing.

Recycled Building Materials

- Construction of the store would use steel containing approximately 90 to 98 percent recycled structural steel, which utilizes less energy in the mining and manufacturing process than does new steel.
- All of the plastic baseboards and much of the plastic shelving employed in the store would be composed of recycled plastic.

Construction and Demolition (C&D) Recycling

- Walmart would develop and implement a Construction and Demolition (C&D) program at this location in order to capture and recycle as much of any metals, woods, floor and ceiling tiles, concretes, asphalts and other materials that may be generated as part of Project implementation. Walmart would work with the City and serving waste management company to fully research all available C&D recycling facilities in the area, and the Walmart C&D program would seek to include the widest possible range of materials recovery options. Throughout the course of Project construction, any demolished concrete or asphalt, concrete truck wash out, scrap building materials and construction refuse would be removed and recycled/disposed of consistent with the City's adopted Source Reduction and Recycling Element (SRRE), thereby maximizing reuse of building materials and minimizing recyclables placed within landfills.

Other Energy Conservation/Sustainability Considerations

Pedestrian Walkways:

Pedestrian paths and pedestrian crosswalks would be provided consistent with City of El Monte requirements, allowing for patrons to safely walk within the Project site, and to adjacent off-site areas. Provision of functional and safe pedestrian paths tends to reduce the number short vehicle trips and vehicle startups, with associated reductions in fuel consumption.

Bicycle Racks:

Consistent with City of El Monte requirements, bicycle racks and bicycle lockers would be provided on-site, facilitating bicycle use by Project employees and customers. Provision of bicycle racks and bicycle lockers facilitates and encourages use of bicycles with correlating reductions in vehicle fuel consumption.

Location:

Location of the Project proximate to major roadways within an urban context also results in traffic/transportation efficiencies in that the Project's commercial/retail facilities are readily accessible and proximate to customers and patrons, generally reducing vehicle miles traveled (VMT) and associated consumption of resources.

Transit Services:

The Project would accommodate a mix of automobile, pedestrian, and transit modes of transportation. In this latter regard, location of the Project along Arden Drive provides access to proximate City of El Monte bus services. The City of El Monte Transportation Services Division "Red Route" travels along Arden Avenue with approximate 40 minute service intervals. A bus stop is currently located at Valley Boulevard and Arden Avenue.

Serving transit agencies (in this case the City of El Monte Transportation Services Division) routinely review and adjust their ridership schedules to accommodate public demand. The need for transit-related facilities, including but not limited to bus turn outs and bus shelters, would be coordinated between the City and the Project Applicant, with specific input from the City Transportation Services Division as part of the City's standard development review process.

1.5 SUMMARY OF FINDINGS

1.5.1 CONSTRUCTION-SOURCE EMISSIONS

REGIONAL IMPACTS

Project construction-source emissions would exceed the numerical regional thresholds of significance established by the South Coast Air Quality Management District (SCAQMD) for emissions of Nitrogen Oxides (NO_x) prior to implementation of applicable mitigation measures. Mitigation measures (MM AQ-1 through MM AQ-3) are recommended to reduce the impacts to less than significant levels. After implementation of the recommended mitigation measures, construction activity emissions would not exceed the numerical thresholds established by the SCAQMD for any phase of construction activity.

LOCALIZED IMPACTS

Without mitigation, emissions during construction activity would exceed the SCAQMD's localized significance threshold for particulate matter emissions (PM_{10} - particulate matter ≤ 10 microns; and $PM_{2.5}$ - particulate matter ≤ 2.5 microns). It should be noted that the impacts without mitigation do not take credit for reductions achieved through best available control measures (BACMs) and standard regulatory requirements (Rule 403). After implementation of the recommended mitigation measures MM AQ-1 through MM AQ-3, the emissions resulting from short-term construction activity would not exceed the SCAQMD LST thresholds.

ODORS

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people.

1.5.2 OPERATIONAL-SOURCE EMISSIONS

REGIONAL IMPACTS

For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of NOx. No feasible mitigation measures exist that would reduce these emissions to levels that are less than the aforementioned numeric thresholds.

LOCALIZED IMPACTS

Project operational-source emissions would not exceed applicable LSTs as discussed in the operational LSTs section of this report. The Project would not result in a significant CO "hotspot" as a result of Project related traffic during ongoing operations.

ODORS

Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills or various heavy industrial uses. The Project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential sources of operational odors generated by the Project would include restaurant food cooking, disposal of miscellaneous commercial refuse, and disposal of restaurant food wastes. Odors from restaurant grilling/charbroiling activities would be limited to the restaurant environs and would dissipate rapidly. Moreover, SCAQMD Rule 402 acts to prevent occurrences of odor nuisances (1). Consistent with City requirements, all Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with solid waste regulations.

1.6 CONSTRUCTION-SOURCE AIR QUALITY IMPACT MITIGATION MEASURES

Measures listed below (or equivalent language) shall appear on all Project grading plans, construction specifications and bid documents, and the City shall ensure such language is incorporated prior to issuance of any development permits. City monitoring of construction activities shall be conducted to ensure mitigation compliance.

SCAQMD Rules that are currently applicable during construction activity for this Project include but are not limited to: Rule 1113 (Architectural Coatings) (1); Rule 431.2 (Low Sulfur Fuel) (2); Rule 403 (Fugitive Dust) (3); and Rule 1186 / 1186.1 (Street Sweepers) (4).

MM AQ-1

The following measures shall be incorporated into Project plans and specifications as implementation of Rule 403 (3):

- All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions.
- The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete coverage of disturbed areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day.
- The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are reduced to 15 miles per hour or less

Additional regulatory requirements that would be in effect during Project construction include the following:

MM AQ-2

The California Air Resources Board, in Title 13, Chapter 10, Section 2485, Division 3 of the of the California Code of Regulations, imposes a requirement that heavy duty trucks accessing the site shall not idle for greater than five minutes at any location. This measure is intended to apply to construction traffic. Grading plans shall reference that a sign shall be posted on-site stating that construction workers need to shut off engines at or before five minutes of idling (5).

In addition to the above-cited SCAQMD regulatory requirements and BACMs, the Project shall implement the following construction activity mitigation measures.

MM AQ-3

During grading activity, all Rubber Tired Dozers and Scrapers shall be California Air Resources Board (CARB) Tier 3 Certified or better. Additionally, during grading activity, total horsepower-hours per day for all equipment shall not exceed 16,784 horsepower-hours per day and the maximum disturbance (actively graded) area shall not exceed five acres per day.

1.7 Operational-Source Mitigation Measures

MM AQ-4

Prior to the issuance of building permits, the Project applicant shall submit energy usage calculations showing that the Project is designed to achieve a minimum 5% efficiency beyond then incumbent California Building Code Title 24 requirements. The Project energy usage calculations shall be subject to review and approval by the City.

Examples of measures that reduce energy consumption include, but are not limited to, the following (it being understood that the items listed below are not all required and merely present examples; the list is not all-inclusive and other features that reduce energy consumption also are acceptable):

- Increase in insulation such that heat transfer and thermal bridging is minimized;
- Limit air leakage through the structure and/or within the heating and cooling distribution system;
- Use of energy-efficient space heating and cooling equipment;
- Installation of electrical hook-ups at loading dock areas;
- Installation of dual-paned or other energy efficient windows;
- Use of interior and exterior energy efficient lighting that exceeds then incumbent California Title 24 Energy Efficiency performance standards;
- Installation of automatic devices to turn off lights where they are not needed;
- Application of a paint and surface color palette that emphasizes light and off-white colors that reflect heat away from buildings;
- Design of buildings with “cool roofs” using products certified by the Cool Roof Rating Council, and/or exposed roof surfaces using light and off-white colors;
- Installation of ENERGY STAR-qualified energy-efficient appliances, heating and cooling systems, office equipment, and/or lighting products.

MM AQ-5

Enhanced Water Conservation Required: Prior to the issuance of building permits, the Project applicant shall prepare a Water Conservation Strategy and demonstrating a minimum 30% reduction in outdoor water usage when compared to baseline water demand (total expected

water demand without implementation of the Water Conservation Strategy)[2]. The Project Water Conservation Strategy shall be subject to review and approval by the City.

The Project shall also implement the following:

- Landscaping palette emphasizing drought tolerant plants;
- Use of water-efficient irrigation techniques;
- U.S. Environmental Protection Agency (EPA) Certified WaterSense labeled or equivalent faucets, high-efficiency toilets (HETs), and water-conserving shower heads.

2 A reduction of 20% indoor water usage shall be achieved consistent with the current CalGreen Code (11) for residential and non-residential land uses. Per CalGreen, the reduction shall be based on the maximum allowable water use per plumbing fixture and fittings as required by the California Building Standards Code.

2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (6). The South Coast Air Basin comprises a 6,745-square mile subregion of the SCAQMD, which includes portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County. The larger SCAQMD boundary encompasses approximately 10,743 square miles. The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards.

The SCAB is bound by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Los Angeles County portion of the Mojave Desert Air Basin is bound by the San Gabriel Mountains to the south and west, the Los Angeles / Kern County border to the north, and the Los Angeles / San Bernardino County border to the east. The Riverside County portion of the Salton Sea Air Basin is bound by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to middle 60s (degrees Fahrenheit). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide to sulfates is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71 percent along the coast and 59 percent inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90 percent of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.

Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year there are approximately 10 hours of possible sunshine, and on the longest day of the year there are approximately 14 1/2 hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed "Santa Anas" each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the "Catalina Eddy," a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter, when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as NOX and CO from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 WIND PATTERNS AND PROJECT LOCATION

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The Basin is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 AIR QUALITY STANDARDS

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated and in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect, as well health effects of each pollutant regulated under these standards are shown in Table 2-1 (7)(8).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards presented in Table 2-1. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O3, CO, SO2, NO2, PM10, and PM2.5 are not equaled or exceeded at any time in any consecutive three-year period; and the federal standards (other than O3, PM10, PM2.5, and those based on annual averages or arithmetic mean) are not exceeded more than once per year. The O3 standard is attained when the fourth highest eight-hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when 99 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.

TABLE 2-1: AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3)	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.075 ppm (147 µg/m^3)		
Respirable Particulate Matter (PM10)[8]	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		—		
Fine Particulate Matter (PM2.5)[8]	24 Hour	—	—	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	12.0 µg/m^3	15 µg/m^3	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		—	—	
Nitrogen Dioxide (NO_2)[9]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		0.053 ppm (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[10]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[10]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[10]	—	
Lead[11,12]	30 Day Average	1.5 µg/m^3	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m^3 (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m^3		
Visibility Reducing Particles[13]	8 Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[11]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

See footnotes at: http://www.arb.ca.gov/research/aaqs/aaqs2.pdf

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2.5 REGIONAL AIR QUALITY

The SCAQMD monitors levels of various criteria pollutants at 30 monitoring stations throughout the air district. In 2013, the federal and state ambient air quality standards (NAAQS and CAAQS) were exceeded on one or more days for ozone, PM10, and PM2.5 at most monitoring locations (9). No areas of the SCAB exceeded federal or state standards for NO2, SO2, CO, sulfates or lead. See Table 2-2 for attainment designations for the SCAB (10).

2.6 LOCAL AIR QUALITY

Relative to the Project site, the nearest long-term air quality monitoring site with available data for Carbon Monoxide (CO), Nitrogen Dioxide (NO_2), Ozone (O_3), particulate matter ≤ 10 microns (PM_{10}) and particulate matter ≤ 2.5 microns ($PM_{2.5}$) is the East San Gabriel Valley 1 monitoring station, (Station No. 060) located approximately 8 miles northeast of the Project site in the City of Azusa (11).

The most recent three years of data available at this time is shown on Table 2-3 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Project site (9) (12). Additionally, data for SO2 has been omitted as attainment is regularly met in the South Coast Air Basin and few monitoring stations measure SO2 concentrations.

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and effects are identified below:

- Carbon Monoxide (CO): Is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone, motor vehicles operating at slow speeds are the primary source of CO in the Basin. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.
- Sulfur Dioxide (SO2): Is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO2 oxidizes in the atmosphere, it forms sulfates (SO4). Collectively, these pollutants are referred to as sulfur oxides (SOX).
- Nitrogen Oxides (Oxides of Nitrogen, or NOx): Nitrogen oxides (NOx) consist of nitric oxide (NO), nitrogen dioxide (NO2) and nitrous oxide (N2O) and are formed when nitrogen (N2) combines with oxygen (O2). Their lifespan in the atmosphere ranges from one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. Nitrogen oxides are typically created during combustion processes, and are major contributors to smog formation and acid deposition. NO2 is a criteria air pollutant, and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO2 is the most abundant in the atmosphere. As

TABLE 2-2: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SOUTH COAST AIR BASIN (SCAB)

Criteria Pollutant	State Designation	Federal Designation
Ozone - 1hour standard	Nonattainment	No Standard
Ozone - 8 hour standard	Nonattainment	Extreme Nonattainment
PM_{10}	Nonattainment	Serious Nonattainment
$PM_{2.5}$	Nonattainment	Nonattainment
Carbon Monoxide	Attainment	Attainment/Maintenance
Nitrogen Dioxide	Nonattainment[2]	Attainment/Maintenance
Sulfur Dioxide	Attainment	Attainment
Lead	Attainment/Nonattainment	Attainment/Nonattainment
All others	Attainment/Unclassified	Attainment/Unclassified

TABLE 2-3: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2011-2013

POLLUTANT	STANDARD	YEAR		
		2011	2012	2013
Ozone (O_3)				
Maximum 1-Hour Concentration (ppm)		0.111	0.134	0.115
Maximum 8-Hour Concentration (ppm)		0.092	0.095	0.085
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	13	1	--
Number of Days Exceeding State 8-Hour Standard	> 0.07 ppm	19	20	--
Number of Days Exceeding Federal 8-Hour Standard	> 0.075 ppm	12	10	6
Number of Days Exceeding Health Advisory	≥ 0.15 ppm	0	0	0
Carbon Monoxide (CO)				
Maximum 1-Hour Concentration (ppm)		2.4	1.8	2.8
Maximum 8-Hour Concentration (ppm)		1.4	1.2	1.2
Number of Days Exceeding State 1-Hour Standard	> 20 ppm	0	0	0
Number of Days Exceeding Federal / State 8-Hour Standard	> 9.0 ppm	0	0	0
Number of Days Exceeding Federal 1-Hour Standard	> 35 ppm	0	0	0
Nitrogen Dioxide (NO_2)				
Maximum 1-Hour Concentration (ppm)		0.0795	0.0718	0.069
Annual Arithmetic Mean Concentration (ppm)		0.019	0.0195	--
Number of Days Exceeding State 1-Hour Standard	> 0.18 ppm	0	0	0
Particulate Matter ≤ 10 Microns (PM_{10})				
Maximum 24-Hour Concentration ($\mu g/m^3$)		65	78	76
Annual Arithmetic Mean ($\mu g/m^3$)		32.7	30.3	--
Number of Samples		61	61	61
Number of Samples Exceeding State Standard	> 50 $\mu g/m^3$	9	6	--
Number of Samples Exceeding Federal Standard	> 150 $\mu g/m^3$	0	0	0
Particulate Matter ≤ 2.5 Microns ($PM_{2.5}$)				
Maximum 24-Hour Concentration ($\mu g/m^3$)		49.5	29.5	29.6
Annual Arithmetic Mean ($\mu g/m^3$)		11.4	10.8	--
Number of Samples		118	117	224
Number of Samples Exceeding Federal 24-Hour Standard	> 35 $\mu g/m^3$	1	0	0

-- = data not available from either SCAQMD or EPA

ambient concentrations of NO2 are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO2 than those indicated by regional monitors.

- Ozone (O3): Is a highly reactive and unstable gas that is formed when volatile organic compounds (VOCs) and nitrogen oxides (NOX), both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. Ozone concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.
- PM10 (Particulate Matter less than 10 microns): A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. PM10 also causes visibility reduction and is a criteria air pollutant.
- PM2.5 (Particulate Matter less than 2.5 microns): A similar air pollutant consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include sulfates formed from SO2 release from power plants and industrial facilities and nitrates that are formed from NOX release from power plants, automobiles and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM2.5 is a criteria air pollutant.
- Volatile Organic Compounds (VOC): Volatile organic compounds are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form ozone to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include: carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O3, which is a criteria pollutant. The SCAQMD uses the terms VOC and ROG (see below) interchangeably.
- Reactive Organic Gases (ROG): Similar to VOC, Reactive Organic Gases (ROG) are also precursors in forming ozone and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and nitrogen oxides react in the presence of sunlight. ROGs are a criteria pollutant since they are a precursor to O3, which is a criteria pollutant. The SCAQMD uses the terms ROG and VOC (see previous) interchangeably.
- Lead (Pb): Lead is a heavy metal that is highly persistent in the environment. In the past, the primary source of lead in the air was emissions from vehicles burning leaded gasoline. As a result of the removal of lead from gasoline, there have been no violations at any of the SCAQMD's regular air monitoring stations since 1982. Currently, emissions of lead are largely limited to stationary sources such as lead smelters. It should be noted that the Project is not anticipated to generate a quantifiable amount of lead emissions. Lead is a criteria air pollutant.

Health Effects of Air Pollutants

Ozone

Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible sub-groups for ozone effects. Short-term exposure (lasting for a few hours) to ozone at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated ozone levels are associated with increased school absences. In recent years, a correlation between elevated ambient ozone levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple sports and live in communities with high ozone levels.

Ozone exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes ozone may be more toxic than exposure to ozone alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.

Carbon Monoxide

Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen supply to the heart. Inhaled CO has no direct toxic effect on the lungs, but exerts its effect on tissues by interfering with oxygen transport and competing with oxygen to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for oxygen supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (oxygen deficiency) as seen at high altitudes.

Reduction in birth weight and impaired neurobehavioral development have been observed in animals chronically exposed to CO, resulting in COHb levels similar to those observed in smokers. Recent studies have found increased risks for adverse birth outcomes with exposure to elevated CO levels; these include pre-term births and heart abnormalities.

Particulate Matter

A consistent correlation between elevated ambient fine particulate matter (PM10 and PM2.5) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in life-span, and an increased mortality from lung cancer.

Daily fluctuations in PM2.5 concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with longterm exposure to particulate matter.

The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM10 and PM2.5.

Nitrogen Dioxide

Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO2 at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO2 in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups.

In animals, exposure to levels of NO2 considerably higher than ambient concentrations results in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of ozone exposure increases when animals are exposed to a combination of ozone and NO2.

Sulfur Dioxide

A few minutes of exposure to low levels of SO2 can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO2. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO2.

Animal studies suggest that despite SO2 being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract.

Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO2 levels. In these studies, efforts to separate the effects of SO2 from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically or one pollutant alone is the predominant factor.

Lead

Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of

the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure.

Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.

Odors

The science of odor as a health concern is still new. Merely identifying the hundreds of VOCs that cause odors poses a big challenge. Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.7 REGULATORY BACKGROUND

2.7.1 FEDERAL REGULATIONS

The U.S. EPA is responsible for setting and enforcing the NAAQS for O3, CO, NOx, SO2, PM10, and lead (7). The U.S. EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The U.S. EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of the CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955, and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (13). The CAA also mandates that states submit and implement State Implementation Plans (SIPs) for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards would be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O3, NO2, SO2, PM10, CO, PM2.5, and lead. The NAAQS were amended in July 1997 to include an

additional standard for O3 and to adopt a NAAQS for PM2.5. Table 3-1 (previously presented) provides the NAAQS within the basin.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and nitrogen oxides (NOx). NOx is a collective term that includes all forms of nitrogen oxides (NO, NO2, NO3) which are emitted as byproducts of the combustion process.

2.7.2 CALIFORNIA REGULATIONS

The CARB, which became part of the California EPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. The California CAA mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. The CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for sulfates, visibility, hydrogen sulfide, and vinyl chloride. However at this time, hydrogen sulfide and vinyl chloride are not measured at any monitoring stations in the SCAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (8)(7).

Local air quality management districts, such as the SCAQMD, regulate air emissions from commercial and light industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare air quality management plans that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a five percent or more annual reduction in emissions or 15 percent or more in a period of three years for ROGs, NOx, CO and PM10. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than five percent per year under certain circumstances.

2.7.3 AIR QUALITY MANAGEMENT PLANNING

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and

federal ambient air quality standards (14). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.8.

2.8 EXISTING PROJECT SITE AIR QUALITY CONDITIONS

The Project site is essentially level and currently vacant. The site was historically used for agriculture and the manufacturing of glass products and, more recently, the production of food and beverage containers. Since the Project site is currently vacant, it does not generate quantifiable emissions. Thus, existing air quality conditions at the Project site would generally reflect ambient monitored conditions as presented previously at Table 2-3.

3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

The Project has been evaluated to determine if it would violate an air quality standard or contribute to an existing or projected air quality violation. Additionally, the Project has been evaluated to determine if it would result in a cumulatively considerable net increase of a criteria pollutant for which the SCAB is non-attainment under an applicable federal or state ambient air quality standard. Applicable significance criteria are summarized below, and potential impacts are described in the following section.

3.2 STANDARDS OF SIGNIFICANCE

The SCAQMD has also developed regional and localized significance thresholds for regulated pollutants, as summarized at Table 3-1 (17). The SCAQMD's CEQA Air Quality Significance Thresholds (March 2011) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 3-1: MAXIMUM DAILY EMISSIONS REGIONAL THRESHOLDS

Pollutant	Construction	Operations
NOx	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM10	150 lbs/day	150 lbs/day
PM2.5	55 lbs/day	55 lbs/day
Sox	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day

Additionally, SCAQMD's CEQA Air Quality Handbook (1993) indicates a project's localized CO emissions impacts would be considered significant if they exceed the following California standards for localized CO concentrations (17):

- 1-hour CO standard of 20.0 parts per million (ppm)
- 8-hour CO standard of 9.0 ppm.

3.3 PROJECT EMISSIONS SOURCES AND EMISSIONS MODELING

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

On October 2, 2013, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) released the latest version of the California Emissions Estimator

Model™ (CalEEMod™) v2013.2.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (NO_x, VOC, PM_{10}, $PM_{2.5}$, SO_x, and CO) and greenhouse gas (GHG) emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (18). Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendix 3.1.

3.4 CONSTRUCTION-SOURCE EMISSIONS

Construction activities associated with the Project would result in emissions of CO, VOCs, NOx, SOx, PM10, and PM2.5. Construction related emissions are expected from the following construction activities:

- Grading (including soil export)
- Utilities/Underground
- Paving (curb, gutter, flatwork, and parking lot)
- Building Construction
- Painting (Architectural Coatings)
- Construction Workers Commuting

Construction is expected to commence in June 2015 and would last through September 2016. Construction duration by phase is shown on Table 3-2. The construction schedule utilized in the analysis represents a “worst-case” analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as the analysis year increases. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per CEQA guidelines. Site specific construction fleet may vary due to specific project needs at the time of construction. The duration of construction activity and associated equipment was estimated based on construction of similar projects and CalEEmod defaults. Please refer to specific detailed modeling inputs/outputs contained in Appendix 3.1 of this Analysis. A detailed summary of construction equipment assumptions by phase is provided at Table 3-3. It should be noted that the emissions estimates provided at Table 3-2 represent a “worst-case” (i.e. likely overestimatation) of actual emissions that would likely occur.

Dust is typically a major concern during rough grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions”. Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. The Project site would require approximately 4,000 cubic yards of soil export in order to balance. Soil export would commence in June 2015, concurrent with grading activity, and would last for of approximately two months (45 working days).

Construction emissions for construction worker vehicles traveling to and from the Project site, as well as vendor trips (construction materials delivered to the Project site) were estimated based on information from the applicant and CalEEMod.

3.4.1 CONSTRUCTION-SOURCE EMISSIONS SUMMARY

Impacts without BACMs, Regulatory Requirements, and Mitigation

The estimated maximum daily construction emissions without BACMS, regulatory requirements, and mitigation are summarized on Table 3-4. Detailed construction model outputs are presented in Appendix 3.1. Under the assumed scenarios, emissions resulting from the Project construction would exceed criteria pollutant thresholds established by the SCAQMD for emissions of NOx (before mitigation). It should be noted that the impacts identified do not take credit for reductions achieved through BACMs and compliance with standard regulatory requirements (SCAQMD's Rule 403).

Impacts with BACMs, Regulatory Requirements, and Mitigation

The estimated maximum daily construction emissions with BACMS, regulatory requirements, and mitigation are summarized on Table 3-5. Detailed construction model outputs are presented in Appendix 3.1. Mitigation measures (MM AQ-1 through MM AQ-3) are recommended to reduce the severity of the impact. After implementation of the recommended mitigation measures, construction activity emissions would not exceed the numerical thresholds established by the SCAQMD for criteria pollutants.

TABLE 3-2: CONSTRUCTION DURATION

Phase	Duration (working days)
Grading	45
Utilities and Underground	30
Building Construction	110
Paving	35
Architectural Coatings	90

TABLE 3-3: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Activity	Equipment	Number	Hours Per Day
Grading	Excavators	2	8
	Graders	2	8
	Rubber Tired Dozers	2	8
	Scrapers	2	8
	Tractors/Loaders/Backhoes	2	8
Utilities and Underground	Rubber Tired Dozers	3	8
	Rubber Tired Dozers	4	8
Building Construction	Cranes	1	8
	Forklifts	3	8
	Generator Set	1	8
	Tractors/Loaders/Backhoes	3	8
	Welders	1	8
Paving	Cement and Mortar Mixer	2	8
	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
	Tractors/Loaders/Backhoes	1	8
Architectural Coatings	Air Compressors	1	8

TABLE 3-4: EMISSIONS SUMMARY OF OVERALL CONSTRUCTION (WITHOUT MITIGATION)

Construction Emissions by Year	Emissions (pounds per day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
2015	59.34	109.14	72.69	0.11	20.93	11.86
2016	55.30	43.32	47.77	0.08	5.55	3.19
Maximum Daily Emissions	**59.34**	**109.14**	**72.69**	**0.11**	**20.93**	**13.44**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**YES**	**NO**	**NO**	**NO**	**NO**

TABLE 3-5: EMISSIONS SUMMARY OF OVERALL CONSTRUCTION (WITH MITIGATION)

Construction Emissions by Year	Emissions (pounds per day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
2015	59.34	76.73	71.30	0.11	9.65	5.85
2016	55.30	43.32	47.77	0.08	5.55	3.19
Maximum Daily Emissions	**59.34**	**76.73**	**71.30**	**0.11**	**9.65**	**5.85**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

3.5 OPERATIONAL EMISSIONS

Operational-source air pollutant emissions generated by the Project would include VOCs, NOX, CO, SOX, PM10, and PM2.5. Operational-source emissions would be expected from the following primary sources:

- Mobile Source Emissions
- Fugitive dust related to vehicular travel
- Building Energy Use (combustion emissions associated with natural gas and electricity)
- Landscape maintenance equipment
- Emissions from consumer products
- Architectural coatings

3.5.1 MOBILE SOURCE EMISSIONS

Mobile source (vehicular) emissions would comprise the preponderance[3] of the Project's operational-source emissions. Vehicular-source emissions impacts are dependent on both overall daily vehicle trip generation and the effect of the Project on peak hour traffic volumes and traffic operations. To this end, trip characteristics available from the report, Walmart on

3 Approximately 98 percent (by weight) of total operational-source emissions derive from Project-related traffic, accounting for essentially all operational-source NOx, CO, SOx, PM10 and PM2.5 emissions. Only VOC emissions are substantively not entirely sourced to Project traffic. Approximately 22 percent (by weight) of Project operational-source VOC emissions would be generated by area sources (e.g., buildings and building operations) and energy consumption. The remaining 78 percent of operational-source VOC emissions would however be generated by Project traffic.

Arden Drive Traffic Impact Analysis (Mountain Pacific, Inc.) 2013 were utilized in this analysis (19).

The Project would tend to reduce vehicle miles traveled (VMT) and associated vehicular-source emissions by: designing a Project that promotes a suburban center setting; increasing the diversity in land uses; providing design elements that enhance walkability and connectivity including; with connection to off-site pedestrian paths. Corresponding CalEEMod parameters have been enabled to ensure appropriate credit is taken for these design features.

3.5.2 Fugitive Dust Related to Vehicular Travel

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of tire wear particulates. The emissions estimates for travel on paved roads were calculated employing CalEEMod.

3.5.3 Building Energy Use

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity is generally excluded from the evaluation of significance and only natural gas use is considered. The emissions associated with natural gas use were calculated employing CalEEMod.

3.5.4 Landscape Maintenance Equipment

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shedders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on applicable CalEEMod assumptions.

3.5.5 Consumer Products

Consumer projects include, but are not limited to: detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form ozone and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on applicable CalEEMod assumptions. In the case of the commercial/retail uses proposed by the Project, no substantive on-site use of consumer products is anticipated.

3.5.6 Architectural Coatings

Over a period of time the buildings that are part of this Project would be subject to emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other

surface coatings as part of Project maintenance. The emissions associated with architectural coatings were calculated employing CalEEMod.

3.5.7 OPERATIONAL EMISSIONS SUMMARY

Impacts Without Mitigation

Operational-source emissions without implementation of mitigation measures are summarized on Table 3-6. For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of NO_x. Mitigation measures (MM AQ-4 and MM AQ-5) are recommended to reduce the severity of the impact.

Impacts With Mitigation Measures

Operational-source emissions with implementation of mitigation measures are summarized on Table 3-7. Even with the application of mitigation, Project operational-source NOx emissions would exceed the applicable SCAQMD regional threshold. No feasible mitigation measures exist that would further substantively reduce these emissions.

TABLE 3-6: SUMMARY OF PEAK OPERATIONAL-SOURCE EMISSIONS (WITHOUT MITIGATION)

	Emissions (pounds per day)					
Operational Activities – Summer Emissions	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Area Source Emissions	10.81	9.40e-4	0.10	1.00e-5	3.50e-4	3.50e-4
Energy Source Emissions	0.01	0.11	0.10	6.80e-4	8.64e-3	8.64e-3
Mobile Source Emissions	38.24	82.06	354.62	0.73	48.14	13.61
Maximum Daily Emissions	**49.07**	**82.17**	**354.82**	**0.73**	**48.15**	**13.62**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**YES**	**NO**	**NO**	**NO**	**NO**

	Emissions (pounds per day)					
Operational Activities – Winter Emissions	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Area Source Emissions	10.81	9.40e-4	0.10	1.00e-5	3.50e-4	3.50e-4
Energy Source Emissions	0.01	0.11	0.10	6.80e-4	8.64e-3	8.64e-3
Mobile Emissions	40.67	86.23	368.11	0.70	48.15	13.62
Maximum Daily Emissions	**51.50**	**86.34**	**368.30**	**0.70**	**48.15**	**13.63**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**YES**	**NO**	**NO**	**NO**	**NO**

TABLE 3-7: SUMMARY OF PEAK OPERATIONAL EMISSIONS (WITH MITIGATION)

Operational Activities – Summer Emissions	Emissions (pounds per day)					
	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Area Source Emissions	10.81	9.40e-4	0.10	1.00e-5	3.50e-4	3.50e-4
Energy Source Emissions	8.70e-3	0.08	0.07	4.70e-4	6.01e-3	6.01e-3
Mobile Emissions	36.85	72.77	318.42	0.63	41.17	11.65
Maximum Daily Emissions	**47.67**	**72.85**	**319.58**	**0.63**	**41.18**	**11.66**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**YES**	**NO**	**NO**	**NO**	**NO**

Operational Activities – Winter Emissions	Emissions (pounds per day)					
	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Area Source Emissions	10.81	9.40e-4	0.10	1.00e-5	3.50e-4	3.50e-4
Energy Source Emissions	8.70e-3	0.08	0.07	4.70e-4	6.01e-3	6.01e-3
Mobile Emissions	39.31	76.37	335.82	0.60	41.18	11.66
Maximum Daily Emissions	**50.13**	**76.45**	**335.99**	**0.60**	**41.19**	**11.66**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**YES**	**NO**	**NO**	**NO**	**NO**

3.6 LOCALIZED SIGNIFIANCE

OVERVIEW

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (Methodology)(20). As previously discussed, the SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The significance of localized emissions impacts depends on whether ambient levels in the vicinity of a given project are above or below State standards. In the case of CO and NO_2, if ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a state or federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to PM_{10} and $PM_{2.5}$; both of which are non-attainment pollutants.

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4 and related environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential

localized adverse health effects. LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses. The analysis presented here makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (20). For this Project, the appropriate Source Receptor Area (SRA) for the LST analysis is the East San Gabriel Valley 1 area (SRA 9). LSTs apply to carbon monoxide (CO), nitrogen dioxide (NO_2), particulate matter ≤ 10 microns (PM_{10}), and particulate matter ≤ 2.5 microns ($PM_{2.5}$).

Emissions Considered

SCAQMD's Methodology clearly states that "off-site mobile emissions from the Project should NOT be included in the emissions compared to LSTs (20)." Therefore, for purposes of the construction-source emissions LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

Receptors

The nearest sensitive receptor (residential) land use is located approximately 26 meters/85 feet west of the Project site.

Notwithstanding the Project–receptor separations noted above, the Methodology explicitly states that "*It is possible that a project may have receptors closer than 25 meters. Projects with boundaries located closer than 25 meters to the nearest receptor should use the LSTs for receptors located at 25 meters* (20)." Accordingly, LSTs for receptors at 25 meters are utilized in this analysis and provide for a conservative i.e. "health protective" standard of care.

Although a business park is not typically considered to be a sensitive receptor, for analytic purposes, and as a conservative measure, the business park located approximately 15 meters/50 feet south of the Project site is also considered in the LST analysis. As explained in the SCAQMD Methodology, 25 meters is used within this analysis as the distance for the closest sensitive receptor (the adjacent business park) to the project site.

CONSTRUCTION-SOURCE EMISSIONS LST ANALYSIS

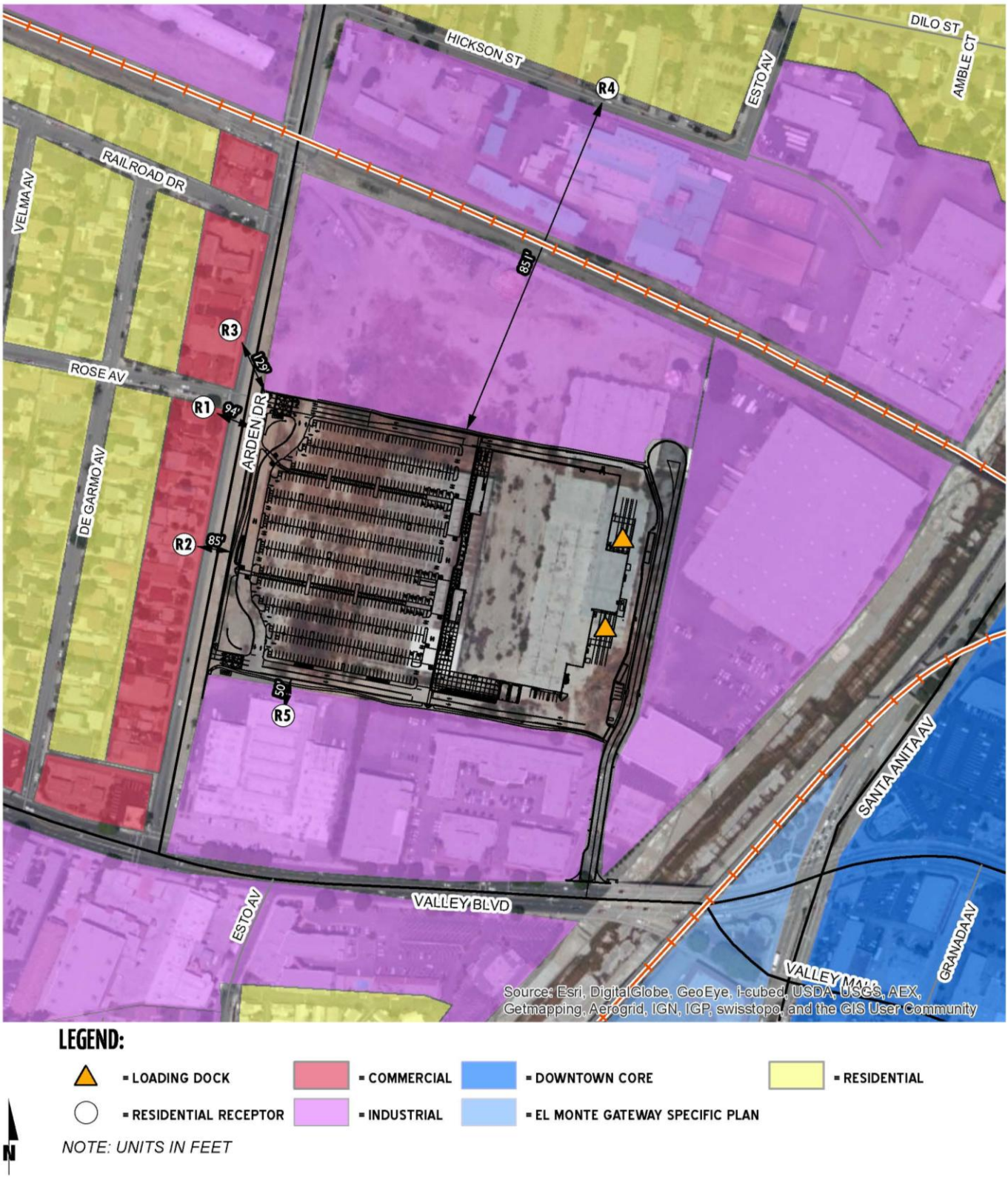
The SCAQMD has issued guidance on applying CalEEMod to LSTs. Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, the information in Table 3-8 is used to determine the maximum daily disturbed-acreage for comparison to LSTs. To ensure consistency with LST modeling of construction-source emissions provided herein, maximum use of Project construction equipment types and their hours of operation (during grading activity) would be required to conform to operational/performance standards identified at limited Mitigation Measure AQ-3.

TABLE 3-8 MAXIMUM DAILY DISTURBED ACREAGE

Construction Phase	Equipment Type	Equipment Quantity	Acres grader per 8 hour day	Operating Hours per Day	Acres graded per day
Grading	Tractors	2	0.5	8	1
	Graders	2	0.5	8	1
	Rubber Tired Dozers	2	0.5	8	1
	Scrapers	2	1	8	2
Total acres graded per day					5.0
Applicable LST Mass Rate Look-up Table					5 acre

Based on Table 3-8, the Project would disturb a maximum of 5.0 acres during peak construction activity on any given day. This estimate is based on the construction equipment assumptions embedded in CalEEMod defaults and represent a reasonable approximation of the expected construction fleet as required per CEQA guidelines. Site specific construction fleet may vary due to specific project needs at the time of construction.

EXHIBIT 3-A: AIR QUALITY SENSITIVE RECEPTOR LOCATIONS



Impacts without BACMs, Regulatory Requirements, and Mitigation

Without BACMs, regulatory requirements, and mitigation, emissions during construction activity would exceed the SCAQMD's localized significance thresholds for emissions of PM_{10} and $PM_{2.5}$ only. Table 3-9 identifies the unmitigated localized impacts at the nearest receptor location in the vicinity of the Project. It should be noted that the impacts without mitigation do not take credit for reductions achieved through BACMs and standard regulatory requirements (SCAQMD's Rule 403).

Impacts with BACMs, Regulatory Requirements, and Mitigation

After the implementation of BACMs, regulatory requirements, and applicable mitigation measures (MM AQ1 through MM AQ3), emissions during construction activity would not exceed the SCAQMD's localized significance threshold for any of the applicable emissions. Table 3-10 identifies the mitigated localized impacts at the nearest receptor location in the vicinity of the Project.

TABLE 3-9: LOCALIZED SIGNIFICANCE SUMMARY CONSTRUCTION-SOURCE EMISSIONS (WITHOUT MITIGATION)

On-Site Grading Emissions	Emissions (pounds per day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Maximum Daily Emissions	**104.30**	**66.80**	**20.32**	**11.64**
SCAQMD Localized Threshold	203	1,733	14	8
Threshold Exceeded?	**NO**	**NO**	**YES**	**YES**

TABLE 3-10: LOCALIZED SIGNIFICANCE SUMMARY CONSTRUCTION-SOURCE EMISSIONS (WITH MITIGATION)

On-Site Grading Emissions	Emissions (pounds per day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Maximum Daily Emissions	**60.86**	**46.94**	**9.04**	**5.63**
SCAQMD Localized Threshold	203	1,733	14	8
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**

OPERATIONAL-SOURCE EMISSIONS LST ANALYSIS

Table 3-11 shows the calculated emissions for the Project's operational activities compared with the applicable LSTs. The LST analysis includes on-site sources only; however, the CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. In an effort to establish a maximum potential impact scenario for analytic purposes, the emissions shown on Table 3-11 represent all on-site Project-related stationary (area) sources and five percent (5%) of the Project-related mobile sources. Considering that the weighted trip length used in CalEEMod for the Project is approximately 16.6 miles, 5% of this total would represent an on-

site travel distance for each car and truck of approximately 1 mile or 5,280 feet, thus the 5% assumption is conservative and would tend to overstate the actual impact. Modeling based on these assumptions demonstrates that even within broad encompassing parameters, Project operational-source emissions would not exceed applicable LSTs.

TABLE 3-11: LOCALIZED SIGNIFICANCE SUMMARY OPERATIONS (WITHOUT MITIGATION)

Operational Activity	Emissions (pounds per day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Maximum Daily Emissions	**4.43**	**18.60**	**2.42**	**0.69**
SCAQMD Localized Threshold	203	1,733	4	2
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**

As shown on Table 3-11, operational-source emissions would not exceed applicable LSTs at the nearest sensitive receptor.

3.7 CO "HOT SPOT" ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or "hot spots." Further, detailed modeling of Project-specific carbon monoxide (CO) "hot spots" is not needed to reach this conclusion.

It has long been recognized that adverse localized CO concentrations ("hot spots") are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentrations in the Project vicinity have steadily declined, as indicated by historical emissions data presented previously at Table 2-3.

A CO "hotspot" would occur if an exceedance of the state one-hour standard of 20 ppm CO or the eight-hour standard of 9 ppm CO were to occur. At the time of the 1993 Handbook, the SCAB was designated nonattainment under the California AAQS and National AAQS for CO (16). As identified within SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of congestion at a particular intersection (21). To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO "hot spot" analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This hot spot analysis did not predict any violation of CO standards. It can therefore be reasonably concluded that projects (such as the proposed El Monte Walmart) that are not subject to the extremes in vehicle volumes and vehicle congestion that was evidenced in the 2003 Los Angeles hot spot analysis would similarly not create or result in CO hot spots. Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the

Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (22). The Project considered herein would not produce the volume of traffic required to generate a CO hotspot either in the context of the 2003 Los Angeles hot spot study, or based on representative BAAQMD CO threshold considerations (see Table 3-12) for AM (7 AM to 9 AM), PM (4 PM to 6 PM) and Saturday Mid-Day (SMD) conditions. Therefore, CO hotspots are not an environmental impact of concern for the Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

TABLE 3-12: PROJECT PEAK HOUR TRAFFIC VOLUMES

Intersection Location	Northbound (AM/PM/SMD)	Southbound (AM/PM/SMD)	Eastbound (AM/PM/SMD)	Westbound (AM/PM/SMD)	Total (AM/PM/SMD)
Valley Blvd & Rosemead Blvd	1,695/1,784/1,649	1,724/1,547/1,512	505/900 /813	1,255/867 /1,035	5,179/5,098 /5,009
Lower Azusa Rd & Santa Anita Ave	1,214/1,330/1,079	1,189/1,262/1,004	820/1,285 /1,060	1,215/907/977	4,438/4,784 /4,120
Garvey Ave & Rosemead Blvd	1,984/1,855 /1,852	1,969/2,021 /1,376	1,028/1,343 /1,280	1,425/927 /1,016	6,406/6,146 /5,524
Garvey Ave & Santa Anita Ave	1,144/1,855 /820	1,209/1,231 /649	652/1,235 /1,002	1,541/998 /968	4,546/5,319 /3,439

Source: Walmart on Arden Drive Traffic Impact Analysis (Mountain Pacific, Inc., 2013).

3.8 AIR QUALITY MANAGEMENT PLANNING

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the Southern California Association of Governments (SCAG), county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the Basin. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

The Final 2012 AQMP was adopted by the AQMD Governing Board on December 7, 2012 (14). The 2012 AQMP incorporates the latest scientific and technological information and planning assumptions, including the 2012 Regional Transportation Plan/Sustainable Communities Strategy and updated emission inventory methodologies for various source categories.

Similar to the 2007 AQMP, the 2012 AQMP was based on assumptions provided by both CARB and SCAG in the latest available EMFAC model for the most recent motor vehicle and demographics information, respectively. The air quality levels projected in the 2012 AQMP are based on several assumptions. For example, the 2012 AQMP has assumed that development associated with general plans, specific plans, residential projects, and wastewater facilities would be constructed in accordance with population growth projections identified by SCAG in its 2012 RTP. The 2012 AQMP also has assumed that such development projects would implement strategies to reduce emissions generated during the construction and operational phases of development. The Project's consistency with the 2012 AQMP is discussed as follows:

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the SCAQMD's CEQA Air Quality Handbook (1993) (16). These indicators are discussed below:

- Consistency Criterion No. 1: The Project under consideration would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

Construction Impacts

Consistency Criterion No. 1 refers to violations of the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if localized significance thresholds (LSTs) were exceeded. As evaluated as part of the Project LST analysis (previously presented), the Project's mitigated localized construction-source emissions would not exceed applicable LSTs.

Operational Impacts

The Project LST analysis demonstrates that Project operational-source emissions would not exceed applicable LSTs, and would therefore not result in or cause violations of the CAAQS and NAAQS

On the basis of the preceding discussion, the Project is determined to be consistent with the first criterion.

- Consistency Criterion No. 2: The Project would not exceed the assumptions in the AQMP based on the years of Project build-out phase.

Overview

The 2012 Air Quality Management Plan (AQMP) demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the Southern California Association of Governments (SCAG), which develops regional growth

forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in the City of El Monte General Plan is considered to be consistent with the AQMP.

The Project site's existing General Plan Land Use designation is Industrial/Business Park. The Project considered here proposes a General Plan Amendment (Land Use) re-designating as the site General Commercial. A correlating Zone Change is also proposed; amending the site's Zoning designation from General Manufacturing (M-2) to Heavy Commercial (C-4).

Construction Impacts

The proposed changes in land use designations described above would not substantively affect construction-source emissions impacts. That is, peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation for industrial or commercial/retail uses, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities.

Operational Impacts

The General Plan Amendment and Zone Change proposed by the Project are not reflected in the current AQMP development and growth assumptions. Moreover, largely because of increased trip generation characteristics,[4] the Project would likely result in an incremental increase in operational-source air pollutant emissions when compared to emissions that would be generated pursuant to development of the site under its current land use designations. The increase in operational-source emissions that would be generated by the Project is not reflected in the current regional emissions inventory for the Basin. On this basis, the Project would not conform to Consistency Criterion No. 2.

Notwithstanding, the location of the Project proximate to local and regional transportation facilities acts to reduce vehicle miles traveled and associated mobile-source (vehicular) emissions. Additionally, Project incorporation of contemporary energy-efficient technologies and operational programs, and compliance with SCAQMD emissions reductions and control requirements act to reduce stationary-source air emissions to the extent feasible. These Project attributes and features are consistent with and support overarching AQMP air pollution reduction strategies that promote timely attainment of AQMP air quality standards.

AQMP Consistency Conclusion

The Project would not result in or cause NAAQS or CAAQS violations and conforms to AQMP Consistency Criterion No. 1. The Project's proposed change in land use designation for the subject site would generate operational-source emissions not reflected in the current AQMP regional emissions inventory. The Project does however reflect strategies, design elements, and

4 The EIR Alternatives Analysis (EIR Section 5.2) indicates that should the site be developed with currently allowed Industrial Park Uses (ITE Land Use Code 130), trip generation would be substantively reduced when compared to the Project. More specifically, an Industrial Park development scenario would yield an approximate 80 percent reduction in daily trips when compared to the Project.

operational programs that would act to reduce operational-source emissions to the extent feasible. The Project would therefore not conform to AQMP Consistency Criterion No. 2, and is ultimately considered inconsistent with the current AQMP.

3.10 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Sensitive receptors can include uses such as long term health care facilities, rehabilitation centers, and retirement homes. Residences, schools, playgrounds, child care centers, and athletic facilities can also be considered as sensitive receptors.

Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during construction (after mitigation).

Results of the LST analysis indicate further that the Project would not exceed the SCAQMD localized significance thresholds during operational activity. The Project would not result in a CO "hotspot" as a result of Project related traffic during ongoing operations, nor would the Project otherwise result in or cause adverse health impacts.

3.11 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The Project does not propose land uses or operations typically associated with emitting objectionable odors. Potential odor sources associated with the Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities, restaurants, and the temporary storage of typical solid waste (refuse) associated with the Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City's solid waste regulations. Lastly, any odor emissions from the restaurant use would disperse rapidly and would likely be limited the immediate vicinity of

the fast food restaurant. The Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the Project construction and operations would be less than significant and no mitigation is required.

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5 CERTIFICATION

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed El Monte Walmart Project. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 660-1994 ext. 217.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June, 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June, 2013
Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

APPENDIX 3.1:

CALEEMOD EMISSIONS MODEL OUTPUTS

El Monte Walmart

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	755.00	Space	6.80	302,000.00	0
Free-Standing Discount Superstore	182.50	1000sqft	4.19	182,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	10			**Operational Year**	2016
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Based on a 2016 Opening year

Off-road Equipment - Based on the construction list of a similiar project

Off-road Equipment - Based on the construction list of a similiar project

Off-road Equipment - Based on the construction list of a similiar project

Off-road Equipment - Based on the construction list of a similiar project

Off-road Equipment - Based on the construction list of a similiar project

Trips and VMT - Based on information from the applicant

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Based on ITE Trip Generation Manual

Area Coating -

Water And Wastewater -

Construction Off-road Equipment Mitigation - Tier 3 mitigation for rubber tired dozers and scrapers

Mobile Land Use Mitigation -

Area Mitigation - Used

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	300.00	110.00
tblConstructionPhase	NumDays	30.00	45.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	4/1/2016	3/14/2016
tblConstructionPhase	PhaseEndDate	4/29/2016	11/27/2015
tblConstructionPhase	PhaseStartDate	11/28/2015	11/10/2015
tblConstructionPhase	PhaseStartDate	3/12/2016	10/10/2015
tblGrading	MaterialExported	0.00	4,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2016
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblVehicleTrips	WD_TR	53.13	50.75

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2015	59.1870	108.9708	72.2222	0.1165	15.7710	5.1620	20.9329	7.1103	4.7490	11.8593	0.0000	11,323.7621	11,323.7621	2.4382	0.0000	11,374.9643
2016	55.1805	42.9891	46.7448	0.0845	3.0365	2.5171	5.5536	0.8160	2.3751	3.1911	0.0000	7,927.5995	7,927.5995	0.9279	0.0000	7,947.0854
Total	**114.3675**	**151.9599**	**118.9671**	**0.2010**	**18.8074**	**7.6791**	**26.4865**	**7.9263**	**7.1241**	**15.0504**	**0.0000**	**19,251.3616**	**19,251.3616**	**3.3661**	**0.0000**	**19,322.0497**

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	lb/day										lb/day					
2015	59.1870	76.3170	70.1641	0.1165	6.4772	4.4599	9.6488	2.8614	4.1713	5.8476	0.0000	11,323.7621	11,323.7621	2.4382	0.0000	11,374.9643
2016	55.1805	42.9891	46.7448	0.0845	3.0365	2.5171	5.5536	0.8160	2.3751	3.1911	0.0000	7,927.5995	7,927.5995	0.9279	0.0000	7,947.0854
Total	**114.3675**	**119.3061**	**116.9089**	**0.2010**	**9.5137**	**6.9771**	**15.2024**	**3.6774**	**6.5465**	**9.0387**	**0.0000**	**19,251.3616**	**19,251.3616**	**3.3661**	**0.0000**	**19,322.0497**

	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**	**21.49**	**1.73**	**0.00**	**49.42**	**9.14**	**42.60**	**53.61**	**8.11**	**39.94**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	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	lb/day										lb/day					
Area	10.8190	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Energy	0.0125	0.1137	0.0955	6.8000e-004		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003		136.4706	136.4706	2.6200e-003	2.5000e-003	137.3011
Mobile	38.2369	82.0566	354.6227	0.7289	47.0043	1.1329	48.1372	12.5679	1.0414	13.6093		64,187.1765	64,187.1765	2.7705		64,245.3577
Total	**49.0684**	**82.1713**	**354.8165**	**0.7296**	**47.0043**	**1.1419**	**48.1462**	**12.5679**	**1.0504**	**13.6182**		**64,323.8522**	**64,323.8522**	**2.7737**	**2.5000e-003**	**64,382.8762**

Mitigated Operational

	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	lb/day										lb/day					
Area	10.8190	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Energy	8.7000e-003	0.0791	0.0664	4.7000e-004		6.0100e-003	6.0100e-003		6.0100e-003	6.0100e-003		94.8824	94.8824	1.8200e-003	1.7400e-003	95.4598
Mobile	36.8472	72.7722	319.4169	0.6277	40.1887	0.9825	41.1712	10.7455	0.9031	11.6486		55,271.7602	55,271.7602	2.4223		55,322.6285
Total	**47.6749**	**72.8522**	**319.5815**	**0.6282**	**40.1887**	**0.9889**	**41.1776**	**10.7455**	**0.9095**	**11.6550**		**55,366.8478**	**55,366.8478**	**2.4247**	**1.7400e-003**	**55,418.3057**

	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	**2.84**	**11.34**	**9.93**	**13.89**	**14.50**	**13.40**	**14.47**	**14.50**	**13.42**	**14.42**	**0.00**	**13.92**	**13.92**	**12.58**	**30.40**	**13.92**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/29/2015	8/28/2015	5	45	
2	Utilities and Underground	Trenching	8/29/2015	10/9/2015	5	30	
3	Building Construction	Building Construction	10/10/2015	3/11/2016	5	110	
4	Paving	Paving	10/10/2015	11/27/2015	5	35	
5	Architectural Coating	Architectural Coating	11/10/2015	3/14/2016	5	90	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 135

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 287,340; Non-Residential Outdoor: 95,780 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	2	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities and Underground	Rubber Tired Dozers	3	8.00	255	0.40
Utilities and Underground	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	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
Grading	10	25.00	10.00	500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Underground	7	18.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	23.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Grading - 2015

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	lb/day										lb/day					
Fugitive Dust					15.2357	0.0000	15.2357	6.9655	0.0000	6.9655			0.0000			0.0000
Off-Road	9.1101	104.3015	66.7971	0.0769		5.0845	5.0845		4.6777	4.6777		8,077.2411	8,077.2411	2.4114		8,127.8803
Total	**9.1101**	**104.3015**	**66.7971**	**0.0769**	**15.2357**	**5.0845**	**20.3202**	**6.9655**	**4.6777**	**11.6432**		**8,077.2411**	**8,077.2411**	**2.4114**		**8,127.8803**

3.2 Grading - 2015

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	lb/day										lb/day					
Hauling	0.2224	3.5255	2.4034	8.3100e-003	0.1935	0.0581	0.2516	0.0530	0.0535	0.1064		845.6574	845.6574	6.8800e-003		845.8018
Vendor	0.0958	0.9888	1.1103	2.2000e-003	0.0623	0.0166	0.0789	0.0177	0.0152	0.0330		222.6188	222.6188	1.7900e-003		222.6563
Worker	0.1233	0.1550	1.9115	3.6400e-003	0.2794	2.7900e-003	0.2822	0.0741	2.5600e-003	0.0767		317.8554	317.8554	0.0181		318.2363
Total	**0.4414**	**4.6693**	**5.4252**	**0.0142**	**0.5352**	**0.0775**	**0.6127**	**0.1448**	**0.0713**	**0.2161**		**1,386.1315**	**1,386.1315**	**0.0268**		**1,386.6944**

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	lb/day										lb/day					
Fugitive Dust					5.9419	0.0000	5.9419	2.7166	0.0000	2.7166			0.0000			0.0000
Off-Road	4.8428	60.8573	46.9375	0.0769		3.0942	3.0942		2.9150	2.9150	0.0000	8,077.2411	8,077.2411	2.4114		8,127.8803
Total	**4.8428**	**60.8573**	**46.9375**	**0.0769**	**5.9419**	**3.0942**	**9.0361**	**2.7166**	**2.9150**	**5.6315**	**0.0000**	**8,077.2411**	**8,077.2411**	**2.4114**		**8,127.8803**

3.2 Grading - 2015

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	lb/day										lb/day					
Hauling	0.2224	3.5255	2.4034	8.3100e-003	0.1935	0.0581	0.2516	0.0530	0.0535	0.1064		845.6574	845.6574	6.8800e-003		845.8018
Vendor	0.0958	0.9888	1.1103	2.2000e-003	0.0623	0.0166	0.0789	0.0177	0.0152	0.0330		222.6188	222.6188	1.7900e-003		222.6563
Worker	0.1233	0.1550	1.9115	3.6400e-003	0.2794	2.7900e-003	0.2822	0.0741	2.5600e-003	0.0767		317.8554	317.8554	0.0181		318.2363
Total	**0.4414**	**4.6693**	**5.4252**	**0.0142**	**0.5352**	**0.0775**	**0.6127**	**0.1448**	**0.0713**	**0.2161**		**1,386.1315**	**1,386.1315**	**0.0268**		**1,386.6944**

3.3 Utilities and Underground - 2015

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	lb/day										lb/day					
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412		4,111.7444	4,111.7444	1.2275		4,137.5225
Total	**5.2609**	**56.8897**	**42.6318**	**0.0391**		**3.0883**	**3.0883**		**2.8412**	**2.8412**		**4,111.7444**	**4,111.7444**	**1.2275**		**4,137.5225**

3.3 Utilities and Underground - 2015

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	lb/day										lb/day					
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
Vendor	0.0958	0.9888	1.1103	2.2000e-003	0.0623	0.0166	0.0789	0.0177	0.0152	0.0330		222.6188	222.6188	1.7900e-003		222.6563
Worker	0.0888	0.1116	1.3763	2.6200e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		228.8559	228.8559	0.0131		229.1301
Total	**0.1845**	**1.1004**	**2.4866**	**4.8200e-003**	**0.2635**	**0.0186**	**0.2821**	**0.0711**	**0.0171**	**0.0882**		**451.4746**	**451.4746**	**0.0149**		**451.7864**

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	lb/day										lb/day					
Off-Road	2.0891	26.2494	23.7344	0.0391		1.5495	1.5495		1.4635	1.4635	0.0000	4,111.7444	4,111.7444	1.2275		4,137.5224
Total	**2.0891**	**26.2494**	**23.7344**	**0.0391**		**1.5495**	**1.5495**		**1.4635**	**1.4635**	**0.0000**	**4,111.7444**	**4,111.7444**	**1.2275**		**4,137.5224**

3.3 Utilities and Underground - 2015

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	lb/day										lb/day					
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
Vendor	0.0958	0.9888	1.1103	2.2000e-003	0.0623	0.0166	0.0789	0.0177	0.0152	0.0330		222.6188	222.6188	1.7900e-003		222.6563
Worker	0.0888	0.1116	1.3763	2.6200e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		228.8559	228.8559	0.0131		229.1301
Total	**0.1845**	**1.1004**	**2.4866**	**4.8200e-003**	**0.2635**	**0.0186**	**0.2821**	**0.0711**	**0.0171**	**0.0882**		**451.4746**	**451.4746**	**0.0149**		**451.7864**

3.4 Building Construction - 2015

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	lb/day										lb/day					
Off-Road	3.8870	32.4182	20.0375	0.0287		2.2678	2.2678		2.1293	2.1293		2,886.4292	2,886.4292	0.7336		2,901.8345
Total	**3.8870**	**32.4182**	**20.0375**	**0.0287**		**2.2678**	**2.2678**		**2.1293**	**2.1293**		**2,886.4292**	**2,886.4292**	**0.7336**		**2,901.8345**

3.4 Building Construction - 2015

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	lb/day										lb/day					
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
Vendor	0.7564	7.8115	8.7710	0.0174	0.4925	0.1309	0.6234	0.1401	0.1204	0.2605		1,758.6882	1,758.6882	0.0141		1,758.9847
Worker	0.9123	1.1469	14.1454	0.0269	2.0679	0.0207	2.0885	0.5484	0.0189	0.5673		2,352.1297	2,352.1297	0.1342		2,354.9487
Total	**1.6688**	**8.9584**	**22.9164**	**0.0443**	**2.5603**	**0.1516**	**2.7119**	**0.6885**	**0.1393**	**0.8278**		**4,110.8179**	**4,110.8179**	**0.1484**		**4,113.9334**

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	lb/day										lb/day					
Off-Road	3.8870	32.4182	20.0375	0.0287		2.2678	2.2678		2.1293	2.1293	0.0000	2,886.4292	2,886.4292	0.7336		2,901.8345
Total	**3.8870**	**32.4182**	**20.0375**	**0.0287**		**2.2678**	**2.2678**		**2.1293**	**2.1293**	**0.0000**	**2,886.4292**	**2,886.4292**	**0.7336**		**2,901.8345**

3.4 Building Construction - 2015

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	lb/day										lb/day					
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
Vendor	0.7564	7.8115	8.7710	0.0174	0.4925	0.1309	0.6234	0.1401	0.1204	0.2605		1,758.6882	1,758.6882	0.0141		1,758.9847
Worker	0.9123	1.1469	14.1454	0.0269	2.0679	0.0207	2.0885	0.5484	0.0189	0.5673		2,352.1297	2,352.1297	0.1342		2,354.9487
Total	**1.6688**	**8.9584**	**22.9164**	**0.0443**	**2.5603**	**0.1516**	**2.7119**	**0.6885**	**0.1393**	**0.8278**		**4,110.8179**	**4,110.8179**	**0.1484**		**4,113.9334**

3.4 Building Construction - 2016

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	lb/day										lb/day					
Off-Road	3.6240	30.7934	19.7845	0.0287		2.1098	2.1098		1.9794	1.9794		2,863.9447	2,863.9447	0.7208		2,879.0804
Total	**3.6240**	**30.7934**	**19.7845**	**0.0287**		**2.1098**	**2.1098**		**1.9794**	**1.9794**		**2,863.9447**	**2,863.9447**	**0.7208**		**2,879.0804**

3.4 Building Construction - 2016

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	lb/day										lb/day					
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
Vendor	0.6656	6.9132	8.0317	0.0174	0.4927	0.1081	0.6007	0.1402	0.0994	0.2396		1,739.7428	1,739.7428	0.0128		1,740.0110
Worker	0.8240	1.0370	12.8334	0.0269	2.0679	0.0196	2.0874	0.5484	0.0180	0.5664		2,273.6894	2,273.6894	0.1238		2,276.2886
Total	**1.4896**	**7.9502**	**20.8651**	**0.0443**	**2.5605**	**0.1276**	**2.6882**	**0.6886**	**0.1174**	**0.8059**		**4,013.4322**	**4,013.4322**	**0.1365**		**4,016.2996**

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	lb/day										lb/day					
Off-Road	3.6240	30.7934	19.7845	0.0287		2.1098	2.1098		1.9794	1.9794	0.0000	2,863.9447	2,863.9447	0.7208		2,879.0804
Total	**3.6240**	**30.7934**	**19.7845**	**0.0287**		**2.1098**	**2.1098**		**1.9794**	**1.9794**	**0.0000**	**2,863.9447**	**2,863.9447**	**0.7208**		**2,879.0804**

3.4 Building Construction - 2016

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	lb/day										lb/day					
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
Vendor	0.6656	6.9132	8.0317	0.0174	0.4927	0.1081	0.6007	0.1402	0.0994	0.2396		1,739.7428	1,739.7428	0.0128		1,740.0110
Worker	0.8240	1.0370	12.8334	0.0269	2.0679	0.0196	2.0874	0.5484	0.0180	0.5664		2,273.6894	2,273.6894	0.1238		2,276.2886
Total	**1.4896**	**7.9502**	**20.8651**	**0.0443**	**2.5605**	**0.1276**	**2.6882**	**0.6886**	**0.1174**	**0.8059**		**4,013.4322**	**4,013.4322**	**0.1365**		**4,016.2996**

3.5 Paving - 2015

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	lb/day										lb/day					
Off-Road	2.7660	29.1637	17.8662	0.0265		1.7063	1.7063		1.5716	1.5716		2,743.1606	2,743.1606	0.8042		2,760.0487
Paving	0.5090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2750**	**29.1637**	**17.8662**	**0.0265**		**1.7063**	**1.7063**		**1.5716**	**1.5716**		**2,743.1606**	**2,743.1606**	**0.8042**		**2,760.0487**

3.5 Paving - 2015

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	lb/day										lb/day					
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
Vendor	0.0958	0.9888	1.1103	2.2000e-003	0.0623	0.0166	0.0789	0.0177	0.0152	0.0330		222.6188	222.6188	1.7900e-003		222.6563
Worker	0.1134	0.1426	1.7586	3.3500e-003	0.2571	2.5700e-003	0.2597	0.0682	2.3500e-003	0.0705		292.4269	292.4269	0.0167		292.7774
Total	**0.2092**	**1.1314**	**2.8689**	**5.5500e-003**	**0.3194**	**0.0191**	**0.3386**	**0.0859**	**0.0176**	**0.1035**		**515.0457**	**515.0457**	**0.0185**		**515.4337**

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	lb/day										lb/day					
Off-Road	2.7660	29.1637	17.8662	0.0265		1.7063	1.7063		1.5716	1.5716	0.0000	2,743.1606	2,743.1606	0.8042		2,760.0487
Paving	0.5090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2750**	**29.1637**	**17.8662**	**0.0265**		**1.7063**	**1.7063**		**1.5716**	**1.5716**	**0.0000**	**2,743.1606**	**2,743.1606**	**0.8042**		**2,760.0487**

3.5 Paving - 2015

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	lb/day										lb/day					
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
Vendor	0.0958	0.9888	1.1103	2.2000e-003	0.0623	0.0166	0.0789	0.0177	0.0152	0.0330		222.6188	222.6188	1.7900e-003		222.6563
Worker	0.1134	0.1426	1.7586	3.3500e-003	0.2571	2.5700e-003	0.2597	0.0682	2.3500e-003	0.0705		292.4269	292.4269	0.0167		292.7774
Total	**0.2092**	**1.1314**	**2.8689**	**5.5500e-003**	**0.3194**	**0.0191**	**0.3386**	**0.0859**	**0.0176**	**0.1035**		**515.0457**	**515.0457**	**0.0185**		**515.4337**

3.6 Architectural Coating - 2015

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	lb/day										lb/day					
Archit. Coating	49.3267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5421	3.4271	2.5357	3.9600e-003		0.2945	0.2945		0.2945	0.2945		375.2641	375.2641	0.0489		376.2902
Total	**49.8688**	**3.4271**	**2.5357**	**3.9600e-003**		**0.2945**	**0.2945**		**0.2945**	**0.2945**		**375.2641**	**375.2641**	**0.0489**		**376.2902**

3.6 Architectural Coating - 2015

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	lb/day										lb/day					
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
Vendor	0.0958	0.9888	1.1103	2.2000e-003	0.0623	0.0166	0.0789	0.0177	0.0152	0.0330		222.6188	222.6188	1.7900e-003		222.6563
Worker	0.1825	0.2294	2.8291	5.3800e-003	0.4136	4.1300e-003	0.4177	0.1097	3.7900e-003	0.1135		470.4260	470.4260	0.0269		470.9897
Total	**0.2782**	**1.2182**	**3.9393**	**7.5800e-003**	**0.4759**	**0.0207**	**0.4966**	**0.1274**	**0.0190**	**0.1464**		**693.0447**	**693.0447**	**0.0286**		**693.6460**

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	lb/day										lb/day					
Archit. Coating	49.3267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5421	3.4271	2.5357	3.9600e-003		0.2945	0.2945		0.2945	0.2945	0.0000	375.2641	375.2641	0.0489		376.2902
Total	**49.8688**	**3.4271**	**2.5357**	**3.9600e-003**		**0.2945**	**0.2945**		**0.2945**	**0.2945**	**0.0000**	**375.2641**	**375.2641**	**0.0489**		**376.2902**

3.6 Architectural Coating - 2015

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	lb/day										lb/day					
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
Vendor	0.0958	0.9888	1.1103	2.2000e-003	0.0623	0.0166	0.0789	0.0177	0.0152	0.0330		222.6188	222.6188	1.7900e-003		222.6563
Worker	0.1825	0.2294	2.8291	5.3800e-003	0.4136	4.1300e-003	0.4177	0.1097	3.7900e-003	0.1135		470.4260	470.4260	0.0269		470.9897
Total	**0.2782**	**1.2182**	**3.9393**	**7.5800e-003**	**0.4759**	**0.0207**	**0.4966**	**0.1274**	**0.0190**	**0.1464**		**693.0447**	**693.0447**	**0.0286**		**693.6460**

3.6 Architectural Coating - 2016

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	lb/day										lb/day					
Archit. Coating	49.3267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4913	3.1630	2.5119	3.9600e-003		0.2622	0.2622		0.2622	0.2622		375.2641	375.2641	0.0442		376.1932
Total	**49.8180**	**3.1630**	**2.5119**	**3.9600e-003**		**0.2622**	**0.2622**		**0.2622**	**0.2622**		**375.2641**	**375.2641**	**0.0442**		**376.1932**

3.6 Architectural Coating - 2016

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	lb/day										lb/day					
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
Vendor	0.0843	0.8751	1.0167	2.2000e-003	0.0624	0.0137	0.0760	0.0177	0.0126	0.0303		220.2206	220.2206	1.6200e-003		220.2546
Worker	0.1648	0.2074	2.5667	5.3800e-003	0.4136	3.9100e-003	0.4175	0.1097	3.5900e-003	0.1133		454.7379	454.7379	0.0248		455.2577
Total	**0.2490**	**1.0825**	**3.5834**	**7.5800e-003**	**0.4759**	**0.0176**	**0.4935**	**0.1274**	**0.0162**	**0.1436**		**674.9585**	**674.9585**	**0.0264**		**675.5123**

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	lb/day										lb/day					
Archit. Coating	49.3267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4913	3.1630	2.5119	3.9600e-003		0.2622	0.2622		0.2622	0.2622	0.0000	375.2641	375.2641	0.0442		376.1932
Total	**49.8180**	**3.1630**	**2.5119**	**3.9600e-003**		**0.2622**	**0.2622**		**0.2622**	**0.2622**	**0.0000**	**375.2641**	**375.2641**	**0.0442**		**376.1932**

3.6 Architectural Coating - 2016

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	lb/day										lb/day					
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
Vendor	0.0843	0.8751	1.0167	2.2000e-003	0.0624	0.0137	0.0760	0.0177	0.0126	0.0303		220.2206	220.2206	1.6200e-003		220.2546
Worker	0.1648	0.2074	2.5667	5.3800e-003	0.4136	3.9100e-003	0.4175	0.1097	3.5900e-003	0.1133		454.7379	454.7379	0.0248		455.2577
Total	**0.2490**	**1.0825**	**3.5834**	**7.5800e-003**	**0.4759**	**0.0176**	**0.4935**	**0.1274**	**0.0162**	**0.1436**		**674.9585**	**674.9585**	**0.0264**		**675.5123**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Improve Pedestrian Network

Provide Traffic Calming Measures

	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	lb/day										lb/day					
Mitigated	36.8472	72.7722	319.4169	0.6277	40.1887	0.9825	41.1712	10.7455	0.9031	11.6486		55,271.7602	55,271.7602	2.4223		55,322.6285
Unmitigated	38.2369	82.0566	354.6227	0.7289	47.0043	1.1329	48.1372	12.5679	1.0414	13.6093		64,187.1765	64,187.1765	2.7705		64,245.3577

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Free-Standing Discount Superstore	9,261.88	11,692.78	10241.90	18,460,410	15,783,651
Parking Lot	0.00	0.00	0.00		
Total	9,261.88	11,692.78	10,241.90	18,460,410	15,783,651

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Free-Standing Discount	16.60	8.40	6.90	13.20	67.80	19.00	47.5	35.5	17
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.533598	0.058434	0.178244	0.125508	0.038944	0.006283	0.016425	0.031066	0.002453	0.003157	0.003691	0.000543	0.001655

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	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	lb/day										lb/day					
NaturalGas Mitigated	8.7000e-003	0.0791	0.0664	4.7000e-004		6.0100e-003	6.0100e-003		6.0100e-003	6.0100e-003		94.8824	94.8824	1.8200e-003	1.7400e-003	95.4598
NaturalGas Unmitigated	0.0125	0.1137	0.0955	6.8000e-004		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003		136.4706	136.4706	2.6200e-003	2.5000e-003	137.3011

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	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
Land Use	kBTU/yr	lb/day										lb/day					
Free-Standing Discount Superstore	1160	0.0125	0.1137	0.0955	6.8000e-004		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003		136.4706	136.4706	2.6200e-003	2.5000e-003	137.3011
Parking Lot	0	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		**0.0125**	**0.1137**	**0.0955**	**6.8000e-004**		**8.6400e-003**	**8.6400e-003**		**8.6400e-003**	**8.6400e-003**		**136.4706**	**136.4706**	**2.6200e-003**	**2.5000e-003**	**137.3011**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	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
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	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
Free-Standing Discount Superstore	0.8065	8.7000e-003	0.0791	0.0664	4.7000e-004		6.0100e-003	6.0100e-003		6.0100e-003	6.0100e-003		94.8824	94.8824	1.8200e-003	1.7400e-003	95.4598
Total		**8.7000e-003**	**0.0791**	**0.0664**	**4.7000e-004**		**6.0100e-003**	**6.0100e-003**		**6.0100e-003**	**6.0100e-003**		**94.8824**	**94.8824**	**1.8200e-003**	**1.7400e-003**	**95.4598**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	lb/day										lb/day					
Mitigated	10.8190	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Unmitigated	10.8190	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174

6.2 Area by SubCategory

Unmitigated

	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
SubCategory	lb/day										lb/day					
Architectural Coating	1.2163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.5931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.5700e-003	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Total	**10.8189**	**9.4000e-004**	**0.0982**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2052**	**0.2052**	**5.8000e-004**		**0.2174**

Mitigated

	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
SubCategory	lb/day										lb/day					
Architectural Coating	1.2163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.5931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.5700e-003	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Total	**10.8189**	**9.4000e-004**	**0.0982**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2052**	**0.2052**	**5.8000e-004**		**0.2174**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

El Monte Walmart

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	755.00	Space	6.80	302,000.00	0
Free-Standing Discount Superstore	182.50	1000sqft	4.19	182,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	10			**Operational Year**	2016
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Based on a 2016 Opening year

Off-road Equipment - Based on the construction list of a similiar project

Off-road Equipment - Based on the construction list of a similiar project

Off-road Equipment - Based on the construction list of a similiar project

Off-road Equipment - Based on the construction list of a similiar project

Off-road Equipment - Based on the construction list of a similiar project

Trips and VMT - Based on information from the applicant

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Based on ITE Trip Generation Manual

Area Coating -

Water And Wastewater -

Construction Off-road Equipment Mitigation - Tier 3 mitigation for rubber tired dozers and scrapers

Mobile Land Use Mitigation -

Area Mitigation - Used

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	300.00	110.00
tblConstructionPhase	NumDays	30.00	45.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	4/1/2016	3/14/2016
tblConstructionPhase	PhaseEndDate	4/29/2016	11/27/2015
tblConstructionPhase	PhaseStartDate	11/28/2015	11/10/2015
tblConstructionPhase	PhaseStartDate	3/12/2016	10/10/2015
tblGrading	MaterialExported	0.00	4,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2016
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblVehicleTrips	WD_TR	53.13	50.75

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2015	59.3392	109.1373	72.6869	0.1144	15.7710	5.1624	20.9333	7.1103	4.7494	11.8597	0.0000	11,130.8236	11,130.8236	2.4383	0.0000	11,182.0285
2016	55.2978	43.3201	47.7735	0.0825	3.0365	2.5184	5.5549	0.8160	2.3763	3.1923	0.0000	7,758.1676	7,758.1676	0.9283	0.0000	7,777.6622
Total	**114.6370**	**152.4574**	**120.4604**	**0.1969**	**18.8074**	**7.6808**	**26.4882**	**7.9263**	**7.1257**	**15.0520**	**0.0000**	**18,888.9912**	**18,888.9912**	**3.3667**	**0.0000**	**18,959.6907**

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	lb/day										lb/day					
2015	59.3392	76.7348	71.2976	0.1144	6.4772	4.4620	9.6492	2.8614	4.1732	5.8480	0.0000	11,130.8236	11,130.8236	2.4383	0.0000	11,182.0285
2016	55.2978	43.3201	47.7735	0.0825	3.0365	2.5184	5.5549	0.8160	2.3763	3.1923	0.0000	7,758.1676	7,758.1676	0.9283	0.0000	7,777.6622
Total	**114.6370**	**120.0550**	**119.0711**	**0.1969**	**9.5137**	**6.9804**	**15.2041**	**3.6774**	**6.5495**	**9.0403**	**0.0000**	**18,888.9912**	**18,888.9912**	**3.3667**	**0.0000**	**18,959.6907**

	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**	**21.25**	**1.15**	**0.00**	**49.42**	**9.12**	**42.60**	**53.61**	**8.09**	**39.94**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	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	lb/day										lb/day					
Area	10.8190	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Energy	0.0125	0.1137	0.0955	6.8000e-004		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003		136.4706	136.4706	2.6200e-003	2.5000e-003	137.3011
Mobile	40.6673	86.2295	368.1112	0.6962	47.0043	1.1408	48.1451	12.5679	1.0487	13.6165		61,373.3084	61,373.3084	2.7737		61,431.5561
Total	**51.4988**	**86.3441**	**368.3049**	**0.6969**	**47.0043**	**1.1498**	**48.1541**	**12.5679**	**1.0576**	**13.6255**		**61,509.9842**	**61,509.9842**	**2.7769**	**2.5000e-003**	**61,569.0746**

Mitigated Operational

	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	lb/day										lb/day					
Area	10.8190	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Energy	8.7000e-003	0.0791	0.0664	4.7000e-004		6.0100e-003	6.0100e-003		6.0100e-003	6.0100e-003		94.8824	94.8824	1.8200e-003	1.7400e-003	95.4598
Mobile	39.3100	76.3717	335.8219	0.5998	40.1887	0.9904	41.1791	10.7455	0.9104	11.6559		52,850.4278	52,850.4278	2.4255		52,901.3626
Total	**50.1377**	**76.4517**	**335.9865**	**0.6002**	**40.1887**	**0.9968**	**41.1855**	**10.7455**	**0.9167**	**11.6622**		**52,945.5154**	**52,945.5154**	**2.4279**	**1.7400e-003**	**52,997.0398**

	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	**2.64**	**11.46**	**8.77**	**13.87**	**14.50**	**13.31**	**14.47**	**14.50**	**13.32**	**14.41**	**0.00**	**13.92**	**13.92**	**12.57**	**30.40**	**13.92**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	6/29/2015	8/28/2015	5	45	
2	Utilities and Underground	Trenching	8/29/2015	10/9/2015	5	30	
3	Building Construction	Building Construction	10/10/2015	3/11/2016	5	110	
4	Paving	Paving	10/10/2015	11/27/2015	5	35	
5	Architectural Coating	Architectural Coating	11/10/2015	3/14/2016	5	90	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 135

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 287,340; Non-Residential Outdoor: 95,780 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	2	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Utilities and Underground	Rubber Tired Dozers	3	8.00	255	0.40
Utilities and Underground	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	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
Grading	10	25.00	10.00	500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities and Underground	7	18.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	79.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	9	23.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Grading - 2015

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	lb/day										lb/day					
Fugitive Dust					15.2357	0.0000	15.2357	6.9655	0.0000	6.9655			0.0000			0.0000
Off-Road	9.1101	104.3015	66.7971	0.0769		5.0845	5.0845		4.6777	4.6777		8,077.2411	8,077.2411	2.4114		8,127.8803
Total	**9.1101**	**104.3015**	**66.7971**	**0.0769**	**15.2357**	**5.0845**	**20.3202**	**6.9655**	**4.6777**	**11.6432**		**8,077.2411**	**8,077.2411**	**2.4114**		**8,127.8803**

3.2 Grading - 2015

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	lb/day										lb/day					
Hauling	0.2363	3.6496	2.7547	8.2900e-003	0.1935	0.0583	0.2518	0.0530	0.0536	0.1066		843.6777	843.6777	6.9600e-003		843.8239
Vendor	0.1060	1.0143	1.3340	2.1800e-003	0.0623	0.0168	0.0791	0.0177	0.0154	0.0332		220.7784	220.7784	1.8400e-003		220.8170
Worker	0.1285	0.1719	1.8012	3.4300e-003	0.2794	2.7900e-003	0.2822	0.0741	2.5600e-003	0.0767		300.0269	300.0269	0.0181		300.4078
Total	**0.4708**	**4.8358**	**5.8898**	**0.0139**	**0.5352**	**0.0779**	**0.6131**	**0.1448**	**0.0716**	**0.2164**		**1,364.4830**	**1,364.4830**	**0.0269**		**1,365.0486**

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	lb/day										lb/day					
Fugitive Dust					5.9419	0.0000	5.9419	2.7166	0.0000	2.7166			0.0000			0.0000
Off-Road	4.8428	60.8573	46.9375	0.0769		3.0942	3.0942		2.9150	2.9150	0.0000	8,077.2411	8,077.2411	2.4114		8,127.8803
Total	**4.8428**	**60.8573**	**46.9375**	**0.0769**	**5.9419**	**3.0942**	**9.0361**	**2.7166**	**2.9150**	**5.6315**	**0.0000**	**8,077.2411**	**8,077.2411**	**2.4114**		**8,127.8803**

3.2 Grading - 2015

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	lb/day										lb/day					
Hauling	0.2363	3.6496	2.7547	8.2900e-003	0.1935	0.0583	0.2518	0.0530	0.0536	0.1066		843.6777	843.6777	6.9600e-003		843.8239
Vendor	0.1060	1.0143	1.3340	2.1800e-003	0.0623	0.0168	0.0791	0.0177	0.0154	0.0332		220.7784	220.7784	1.8400e-003		220.8170
Worker	0.1285	0.1719	1.8012	3.4300e-003	0.2794	2.7900e-003	0.2822	0.0741	2.5600e-003	0.0767		300.0269	300.0269	0.0181		300.4078
Total	**0.4708**	**4.8358**	**5.8898**	**0.0139**	**0.5352**	**0.0779**	**0.6131**	**0.1448**	**0.0716**	**0.2164**		**1,364.4830**	**1,364.4830**	**0.0269**		**1,365.0486**

3.3 Utilities and Underground - 2015

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	lb/day										lb/day					
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412		4,111.7444	4,111.7444	1.2275		4,137.5225
Total	**5.2609**	**56.8897**	**42.6318**	**0.0391**		**3.0883**	**3.0883**		**2.8412**	**2.8412**		**4,111.7444**	**4,111.7444**	**1.2275**		**4,137.5225**

3.3 Utilities and Underground - 2015

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	lb/day										lb/day					
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
Vendor	0.1060	1.0143	1.3340	2.1800e-003	0.0623	0.0168	0.0791	0.0177	0.0154	0.0332		220.7784	220.7784	1.8400e-003		220.8170
Worker	0.0925	0.1238	1.2968	2.4700e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		216.0194	216.0194	0.0131		216.2936
Total	**0.1985**	**1.1380**	**2.6309**	**4.6500e-003**	**0.2635**	**0.0188**	**0.2823**	**0.0711**	**0.0173**	**0.0884**		**436.7978**	**436.7978**	**0.0149**		**437.1106**

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	lb/day										lb/day					
Off-Road	2.0891	26.2494	23.7344	0.0391		1.5495	1.5495		1.4635	1.4635	0.0000	4,111.7444	4,111.7444	1.2275		4,137.5224
Total	**2.0891**	**26.2494**	**23.7344**	**0.0391**		**1.5495**	**1.5495**		**1.4635**	**1.4635**	**0.0000**	**4,111.7444**	**4,111.7444**	**1.2275**		**4,137.5224**

3.3 Utilities and Underground - 2015

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	lb/day										lb/day					
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
Vendor	0.1060	1.0143	1.3340	2.1800e-003	0.0623	0.0168	0.0791	0.0177	0.0154	0.0332		220.7784	220.7784	1.8400e-003		220.8170
Worker	0.0925	0.1238	1.2968	2.4700e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		216.0194	216.0194	0.0131		216.2936
Total	**0.1985**	**1.1380**	**2.6309**	**4.6500e-003**	**0.2635**	**0.0188**	**0.2823**	**0.0711**	**0.0173**	**0.0884**		**436.7978**	**436.7978**	**0.0149**		**437.1106**

3.4 Building Construction - 2015

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	lb/day										lb/day					
Off-Road	3.8870	32.4182	20.0375	0.0287		2.2678	2.2678		2.1293	2.1293		2,886.4292	2,886.4292	0.7336		2,901.8345
Total	**3.8870**	**32.4182**	**20.0375**	**0.0287**		**2.2678**	**2.2678**		**2.1293**	**2.1293**		**2,886.4292**	**2,886.4292**	**0.7336**		**2,901.8345**

3.4 Building Construction - 2015

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	lb/day										lb/day					
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
Vendor	0.8372	8.0129	10.5388	0.0173	0.4925	0.1326	0.6250	0.1401	0.1219	0.2620		1,744.1495	1,744.1495	0.0145		1,744.4541
Worker	0.9509	1.2718	13.3286	0.0254	2.0679	0.0207	2.0885	0.5484	0.0189	0.5673		2,220.1989	2,220.1989	0.1342		2,223.0179
Total	**1.7880**	**9.2847**	**23.8674**	**0.0427**	**2.5603**	**0.1532**	**2.7135**	**0.6885**	**0.1408**	**0.8293**		**3,964.3484**	**3,964.3484**	**0.1487**		**3,967.4720**

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	lb/day										lb/day					
Off-Road	3.8870	32.4182	20.0375	0.0287		2.2678	2.2678		2.1293	2.1293	0.0000	2,886.4292	2,886.4292	0.7336		2,901.8345
Total	**3.8870**	**32.4182**	**20.0375**	**0.0287**		**2.2678**	**2.2678**		**2.1293**	**2.1293**	**0.0000**	**2,886.4292**	**2,886.4292**	**0.7336**		**2,901.8345**

3.4 Building Construction - 2015

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	lb/day										lb/day					
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
Vendor	0.8372	8.0129	10.5388	0.0173	0.4925	0.1326	0.6250	0.1401	0.1219	0.2620		1,744.1495	1,744.1495	0.0145		1,744.4541
Worker	0.9509	1.2718	13.3286	0.0254	2.0679	0.0207	2.0885	0.5484	0.0189	0.5673		2,220.1989	2,220.1989	0.1342		2,223.0179
Total	**1.7880**	**9.2847**	**23.8674**	**0.0427**	**2.5603**	**0.1532**	**2.7135**	**0.6885**	**0.1408**	**0.8293**		**3,964.3484**	**3,964.3484**	**0.1487**		**3,967.4720**

3.4 Building Construction - 2016

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	lb/day										lb/day					
Off-Road	3.6240	30.7934	19.7845	0.0287		2.1098	2.1098		1.9794	1.9794		2,863.9447	2,863.9447	0.7208		2,879.0804
Total	**3.6240**	**30.7934**	**19.7845**	**0.0287**		**2.1098**	**2.1098**		**1.9794**	**1.9794**		**2,863.9447**	**2,863.9447**	**0.7208**		**2,879.0804**

3.4 Building Construction - 2016

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	lb/day										lb/day					
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
Vendor	0.7343	7.0868	9.7788	0.0172	0.4927	0.1092	0.6019	0.1402	0.1004	0.2406		1,725.2977	1,725.2977	0.0131		1,725.5736
Worker	0.8572	1.1499	12.0504	0.0254	2.0679	0.0196	2.0874	0.5484	0.0180	0.5664		2,146.0576	2,146.0576	0.1238		2,148.6568
Total	**1.5915**	**8.2367**	**21.8292**	**0.0426**	**2.5605**	**0.1288**	**2.6893**	**0.6886**	**0.1184**	**0.8070**		**3,871.3552**	**3,871.3552**	**0.1369**		**3,874.2303**

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	lb/day										lb/day					
Off-Road	3.6240	30.7934	19.7845	0.0287		2.1098	2.1098		1.9794	1.9794	0.0000	2,863.9447	2,863.9447	0.7208		2,879.0804
Total	**3.6240**	**30.7934**	**19.7845**	**0.0287**		**2.1098**	**2.1098**		**1.9794**	**1.9794**	**0.0000**	**2,863.9447**	**2,863.9447**	**0.7208**		**2,879.0804**

3.4 Building Construction - 2016

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	lb/day										lb/day					
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
Vendor	0.7343	7.0868	9.7788	0.0172	0.4927	0.1092	0.6019	0.1402	0.1004	0.2406		1,725.2977	1,725.2977	0.0131		1,725.5736
Worker	0.8572	1.1499	12.0504	0.0254	2.0679	0.0196	2.0874	0.5484	0.0180	0.5664		2,146.0576	2,146.0576	0.1238		2,148.6568
Total	**1.5915**	**8.2367**	**21.8292**	**0.0426**	**2.5605**	**0.1288**	**2.6893**	**0.6886**	**0.1184**	**0.8070**		**3,871.3552**	**3,871.3552**	**0.1369**		**3,874.2303**

3.5 Paving - 2015

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	lb/day										lb/day					
Off-Road	2.7660	29.1637	17.8662	0.0265		1.7063	1.7063		1.5716	1.5716		2,743.1606	2,743.1606	0.8042		2,760.0487
Paving	0.5090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2750**	**29.1637**	**17.8662**	**0.0265**		**1.7063**	**1.7063**		**1.5716**	**1.5716**		**2,743.1606**	**2,743.1606**	**0.8042**		**2,760.0487**

3.5 Paving - 2015

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	lb/day										lb/day					
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
Vendor	0.1060	1.0143	1.3340	2.1800e-003	0.0623	0.0168	0.0791	0.0177	0.0154	0.0332		220.7784	220.7784	1.8400e-003		220.8170
Worker	0.1182	0.1581	1.6571	3.1600e-003	0.2571	2.5700e-003	0.2597	0.0682	2.3500e-003	0.0705		276.0247	276.0247	0.0167		276.3752
Total	**0.2242**	**1.1724**	**2.9911**	**5.3400e-003**	**0.3194**	**0.0194**	**0.3388**	**0.0859**	**0.0178**	**0.1037**		**496.8031**	**496.8031**	**0.0185**		**497.1922**

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	lb/day										lb/day					
Off-Road	2.7660	29.1637	17.8662	0.0265		1.7063	1.7063		1.5716	1.5716	0.0000	2,743.1606	2,743.1606	0.8042		2,760.0487
Paving	0.5090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2750**	**29.1637**	**17.8662**	**0.0265**		**1.7063**	**1.7063**		**1.5716**	**1.5716**	**0.0000**	**2,743.1606**	**2,743.1606**	**0.8042**		**2,760.0487**

3.5 Paving - 2015

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	lb/day										lb/day					
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
Vendor	0.1060	1.0143	1.3340	2.1800e-003	0.0623	0.0168	0.0791	0.0177	0.0154	0.0332		220.7784	220.7784	1.8400e-003		220.8170
Worker	0.1182	0.1581	1.6571	3.1600e-003	0.2571	2.5700e-003	0.2597	0.0682	2.3500e-003	0.0705		276.0247	276.0247	0.0167		276.3752
Total	**0.2242**	**1.1724**	**2.9911**	**5.3400e-003**	**0.3194**	**0.0194**	**0.3388**	**0.0859**	**0.0178**	**0.1037**		**496.8031**	**496.8031**	**0.0185**		**497.1922**

3.6 Architectural Coating - 2015

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	lb/day										lb/day					
Archit. Coating	49.3267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5421	3.4271	2.5357	3.9600e-003		0.2945	0.2945		0.2945	0.2945		375.2641	375.2641	0.0489		376.2902
Total	**49.8688**	**3.4271**	**2.5357**	**3.9600e-003**		**0.2945**	**0.2945**		**0.2945**	**0.2945**		**375.2641**	**375.2641**	**0.0489**		**376.2902**

3.6 Architectural Coating - 2015

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	lb/day										lb/day					
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
Vendor	0.1060	1.0143	1.3340	2.1800e-003	0.0623	0.0168	0.0791	0.0177	0.0154	0.0332		220.7784	220.7784	1.8400e-003		220.8170
Worker	0.1902	0.2544	2.6657	5.0800e-003	0.4136	4.1300e-003	0.4177	0.1097	3.7900e-003	0.1135		444.0398	444.0398	0.0269		444.6036
Total	**0.2961**	**1.2687**	**3.9997**	**7.2600e-003**	**0.4759**	**0.0209**	**0.4968**	**0.1274**	**0.0192**	**0.1466**		**664.8182**	**664.8182**	**0.0287**		**665.4206**

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	lb/day										lb/day					
Archit. Coating	49.3267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5421	3.4271	2.5357	3.9600e-003		0.2945	0.2945		0.2945	0.2945	0.0000	375.2641	375.2641	0.0489		376.2902
Total	**49.8688**	**3.4271**	**2.5357**	**3.9600e-003**		**0.2945**	**0.2945**		**0.2945**	**0.2945**	**0.0000**	**375.2641**	**375.2641**	**0.0489**		**376.2902**

3.6 Architectural Coating - 2015

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	lb/day										lb/day					
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
Vendor	0.1060	1.0143	1.3340	2.1800e-003	0.0623	0.0168	0.0791	0.0177	0.0154	0.0332		220.7784	220.7784	1.8400e-003		220.8170
Worker	0.1902	0.2544	2.6657	5.0800e-003	0.4136	4.1300e-003	0.4177	0.1097	3.7900e-003	0.1135		444.0398	444.0398	0.0269		444.6036
Total	**0.2961**	**1.2687**	**3.9997**	**7.2600e-003**	**0.4759**	**0.0209**	**0.4968**	**0.1274**	**0.0192**	**0.1466**		**664.8182**	**664.8182**	**0.0287**		**665.4206**

3.6 Architectural Coating - 2016

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	lb/day										lb/day					
Archit. Coating	49.3267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4913	3.1630	2.5119	3.9600e-003		0.2622	0.2622		0.2622	0.2622		375.2641	375.2641	0.0442		376.1932
Total	**49.8180**	**3.1630**	**2.5119**	**3.9600e-003**		**0.2622**	**0.2622**		**0.2622**	**0.2622**		**375.2641**	**375.2641**	**0.0442**		**376.1932**

3.6 Architectural Coating - 2016

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	lb/day										lb/day					
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
Vendor	0.0930	0.8971	1.2378	2.1800e-003	0.0624	0.0138	0.0762	0.0177	0.0127	0.0305		218.3921	218.3921	1.6600e-003		218.4270
Worker	0.1714	0.2300	2.4101	5.0700e-003	0.4136	3.9100e-003	0.4175	0.1097	3.5900e-003	0.1133		429.2115	429.2115	0.0248		429.7314
Total	**0.2644**	**1.1271**	**3.6479**	**7.2500e-003**	**0.4759**	**0.0177**	**0.4937**	**0.1274**	**0.0163**	**0.1437**		**647.6036**	**647.6036**	**0.0264**		**648.1584**

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	lb/day										lb/day					
Archit. Coating	49.3267					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4913	3.1630	2.5119	3.9600e-003		0.2622	0.2622		0.2622	0.2622	0.0000	375.2641	375.2641	0.0442		376.1932
Total	**49.8180**	**3.1630**	**2.5119**	**3.9600e-003**		**0.2622**	**0.2622**		**0.2622**	**0.2622**	**0.0000**	**375.2641**	**375.2641**	**0.0442**		**376.1932**

3.6 Architectural Coating - 2016

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	lb/day										lb/day					
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
Vendor	0.0930	0.8971	1.2378	2.1800e-003	0.0624	0.0138	0.0762	0.0177	0.0127	0.0305		218.3921	218.3921	1.6600e-003		218.4270
Worker	0.1714	0.2300	2.4101	5.0700e-003	0.4136	3.9100e-003	0.4175	0.1097	3.5900e-003	0.1133		429.2115	429.2115	0.0248		429.7314
Total	**0.2644**	**1.1271**	**3.6479**	**7.2500e-003**	**0.4759**	**0.0177**	**0.4937**	**0.1274**	**0.0163**	**0.1437**		**647.6036**	**647.6036**	**0.0264**		**648.1584**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Improve Pedestrian Network

Provide Traffic Calming Measures

	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	lb/day										lb/day					
Mitigated	39.3100	76.3717	335.8219	0.5998	40.1887	0.9904	41.1791	10.7455	0.9104	11.6559		52,850.4278	52,850.4278	2.4255		52,901.3626
Unmitigated	40.6673	86.2295	368.1112	0.6962	47.0043	1.1408	48.1451	12.5679	1.0487	13.6165		61,373.3084	61,373.3084	2.7737		61,431.5561

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Free-Standing Discount Superstore	9,261.88	11,692.78	10241.90	18,460,410	15,783,651
Parking Lot	0.00	0.00	0.00		
Total	9,261.88	11,692.78	10,241.90	18,460,410	15,783,651

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Free-Standing Discount	16.60	8.40	6.90	13.20	67.80	19.00	47.5	35.5	17
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.533598	0.058434	0.178244	0.125508	0.038944	0.006283	0.016425	0.031066	0.002453	0.003157	0.003691	0.000543	0.001655

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	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	lb/day										lb/day					
NaturalGas Mitigated	8.7000e-003	0.0791	0.0664	4.7000e-004		6.0100e-003	6.0100e-003		6.0100e-003	6.0100e-003		94.8824	94.8824	1.8200e-003	1.7400e-003	95.4598
NaturalGas Unmitigated	0.0125	0.1137	0.0955	6.8000e-004		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003		136.4706	136.4706	2.6200e-003	2.5000e-003	137.3011

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	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
Land Use	kBTU/yr	lb/day										lb/day					
Free-Standing Discount Superstore	1160	0.0125	0.1137	0.0955	6.8000e-004		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003		136.4706	136.4706	2.6200e-003	2.5000e-003	137.3011
Parking Lot	0	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		**0.0125**	**0.1137**	**0.0955**	**6.8000e-004**		**8.6400e-003**	**8.6400e-003**		**8.6400e-003**	**8.6400e-003**		**136.4706**	**136.4706**	**2.6200e-003**	**2.5000e-003**	**137.3011**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	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
Land Use	kBTU/yr	lb/day										lb/day					
Free-Standing Discount Superstore	0.8065	8.7000e-003	0.0791	0.0664	4.7000e-004		6.0100e-003	6.0100e-003		6.0100e-003	6.0100e-003		94.8824	94.8824	1.8200e-003	1.7400e-003	95.4598
Parking Lot	0	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		**8.7000e-003**	**0.0791**	**0.0664**	**4.7000e-004**		**6.0100e-003**	**6.0100e-003**		**6.0100e-003**	**6.0100e-003**		**94.8824**	**94.8824**	**1.8200e-003**	**1.7400e-003**	**95.4598**

6.0 Area Detail

6.1 Mitigation Measures Area

	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	lb/day										lb/day					
Mitigated	10.8190	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Unmitigated	10.8190	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174

6.2 Area by SubCategory

Unmitigated

	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
SubCategory	lb/day										lb/day					
Architectural Coating	1.2163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.5931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.5700e-003	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Total	**10.8189**	**9.4000e-004**	**0.0982**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2052**	**0.2052**	**5.8000e-004**		**0.2174**

Mitigated

	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
SubCategory	lb/day										lb/day					
Architectural Coating	1.2163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.5931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.5700e-003	9.4000e-004	0.0982	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2052	0.2052	5.8000e-004		0.2174
Total	**10.8189**	**9.4000e-004**	**0.0982**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2052**	**0.2052**	**5.8000e-004**		**0.2174**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

El Monte Walmart

AIR TOXICS HEALTH RISK ASSESSMENT

CITY OF EL MONTE

PREPARED BY:

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APRIL 17, 2014

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	Atmospheric Dispersion Modeling System
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard
PCE	Passenger Car Equivalent
PM10	Particulate Matter 10 microns in diameter or less
Project	El Monte Walmart
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate potential toxic air contaminant (TAC) health risks associated with the proposed El Monte Walmart Project (Project). TACs of primary concern for the Project would be diesel particulate matter (DPM) generated by heavy-duty diesel trucks accessing the site.

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a project is expected to generate/attract diesel trucks, which emit DPM and other TACs, preparation of a HRA is necessary. This document serves to meet the SCAQMD's request for preparation of a HRA. The mobile source HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). Cancer risk is expressed in terms of expected incremental incidence per million populations. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure. This threshold serves to determine whether or not a given project would result in potentially significant TAC-source cancer health risk.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than one (1.0) means that adverse health effects are not expected.

1.1 PROJECT LOCATION

The Project site is located within the northwestern portion of the City of El Monte, within Los Angeles County, near the intersection of Valley Boulevard and Arden Drive. Specifically, Arden Drive borders the Project site to the west; the boundary of an existing City of El Monte Maintenance Facility located northerly of Rose Avenue comprises the site's northerly boundary; Valley Circle forms the site's easterly boundary; and parcels containing industrial/office facilities with Valley Boulevard frontages comprise the site's southerly boundary. Please refer also Exhibit 1-A, "Project Location."

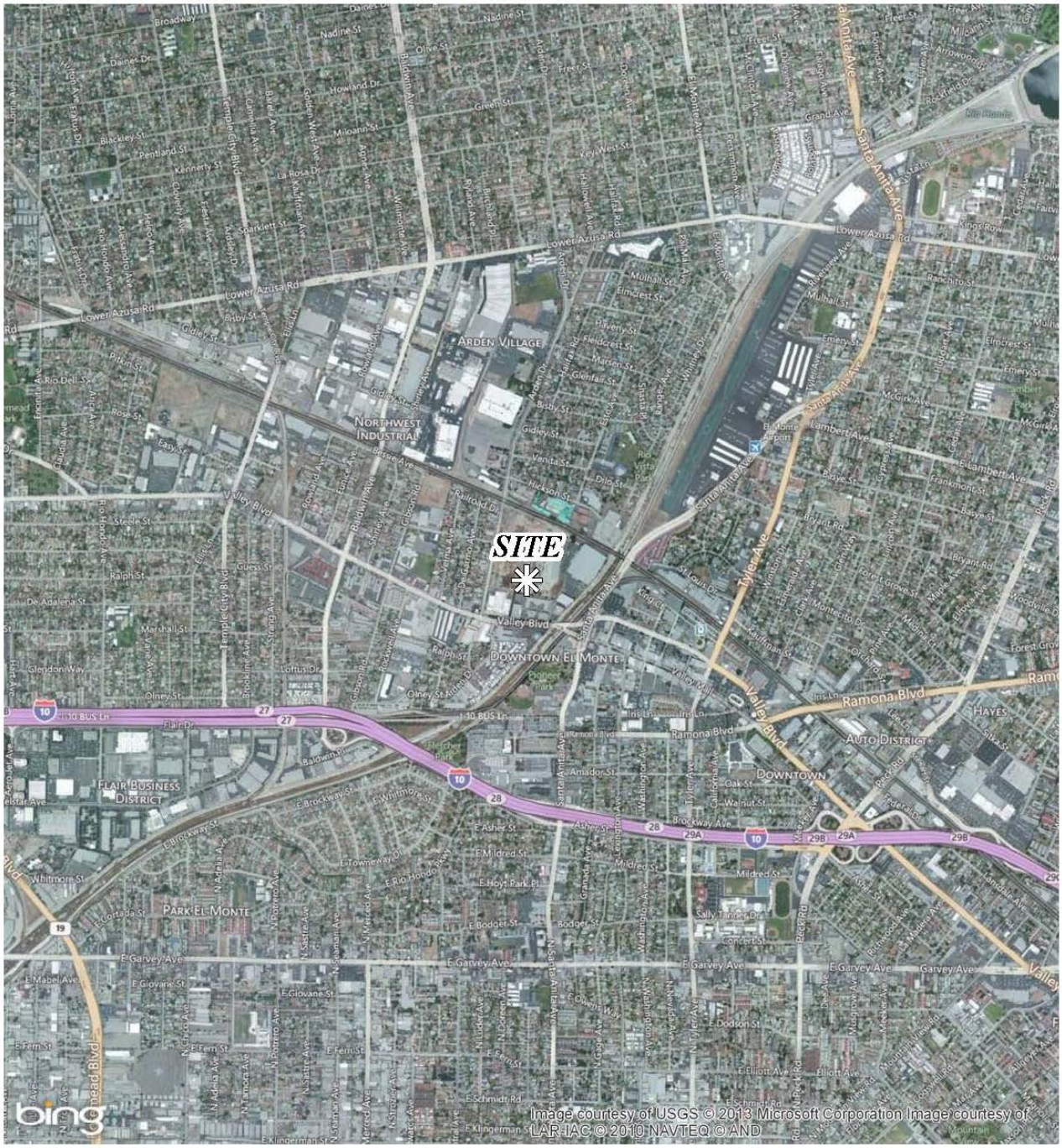
1.2 EXISTING LAND USES AND LAND USE DESIGNATIONS

The following discussions summarize existing land use conditions in the Project vicinity and provide context for the Project.

1.2.1 EXISTING LAND USES

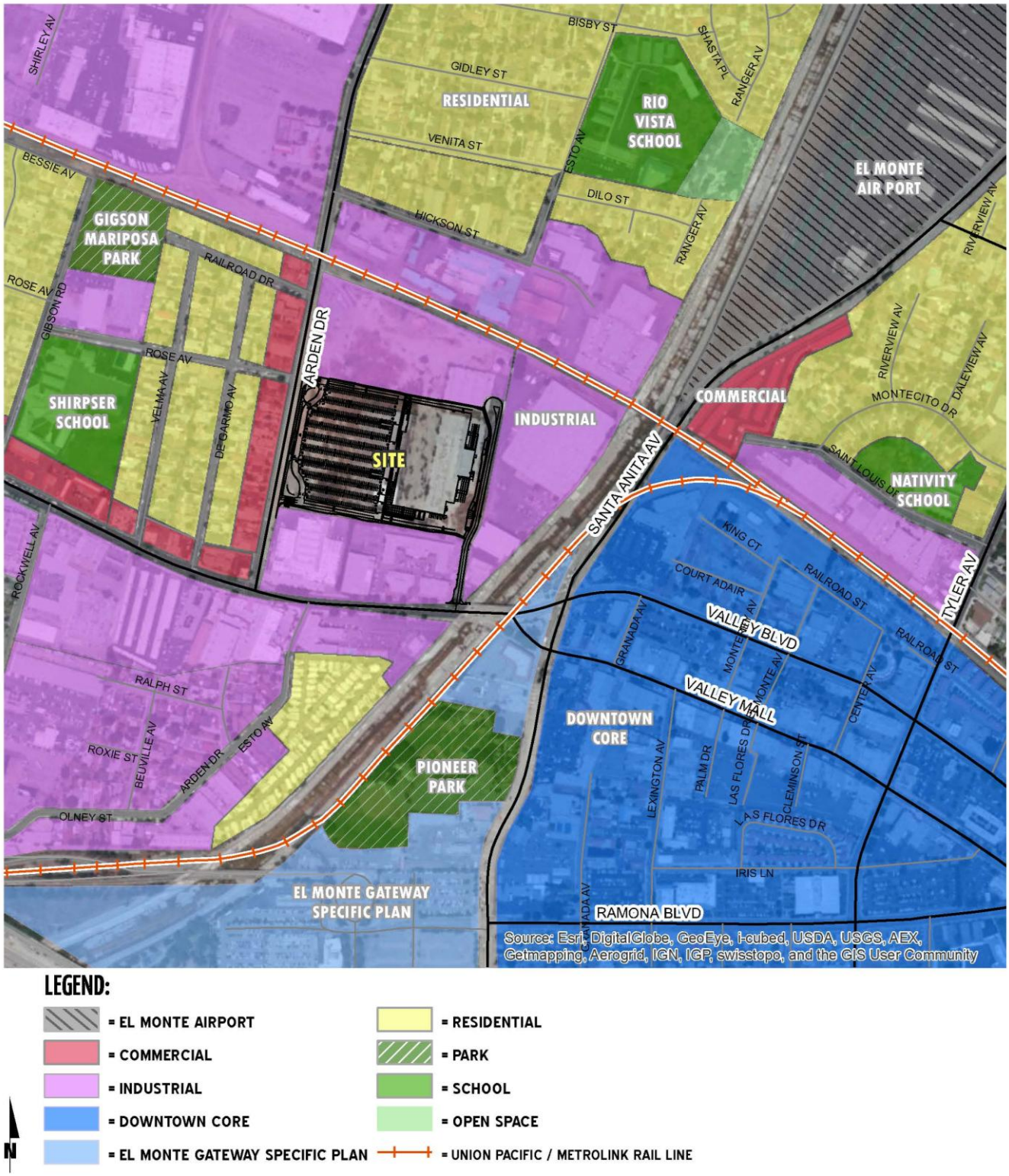
The Project site (APN 8575-024-043) is roughly rectangular in shape, totaling approximately 15.41 acres. The Project site, as shown on Exhibit 1-B, "Existing Land Uses" is essentially level and currently vacant. The site was historically used for agriculture and the manufacturing of

EXHIBIT 1-A: LOCATION MAP



N

EXHIBIT 1-B: EXISTING LAND USES



glass products and, more recently, the production of food and beverage containers. Manufacturing facilities previously occupying the Project site were demolished in 2011.

The Project site has been extensively disturbed by human activities, including demolition of facilities and associated heavy equipment operations. The Project site evidences no topographic features of note; nor is any protected or intrinsically valuable biologic habitat located within the Project site. The limited vegetation that does exist within the Project site consists primarily of non-native, ruderal grasses and shrubs evident along the perimeter of the Project site.

The Project site has been rough-graded, and is essentially flat, with an elevation of approximately 280 feet above mean sea level (MSL). The Project grading plan concept indicates that approximately 4,000 cubic yards of soil would be exported from the site in the course of Project development.

1.2.2 VICINITY LAND USES

To the west of the Project site, across Arden Drive, properties include a mix of single-family residential and commercial uses. To the north, an existing City of El Monte Maintenance Facility and associated parking areas border the Project area. To the east, between the Project boundary and the Rio Hondo Channel, are existing industrial facilities. To the south, parcels abutting the Project site contain large-scale industrial, commercial and municipal office buildings, with frontages on Valley Boulevard. An existing masonry wall separates these uses from the Project.

As seen in the following Exhibit 1-B, “Existing Land Uses,” two (2) El Monte City School District elementary schools are located in the vicinity of the Project site. The first of these is Shirpser Elementary School, which serves grades K-5, and is located at 4020 Gibson Road, approximately 800 feet west of the Project’s westerly boundary. The other District school, Rio Vista Elementary School, serves grades K-6 and is located at 4300 North Esto Avenue, approximately one-quarter mile northeasterly of the Project site. In addition to the above District schools, The Nativity Catholic School (a private school serving grades K-12) is located at 10907 St. Louis Drive, approximately one-third mile easterly of the Project site, across the Rio Hondo Channel.

Other notable physical features in the Project vicinity include the Rio Hondo Channel (Channel), a fully improved flood control facility traversing the westerly portions of the City. The Channel conveys stormwater from Peck Water Conservation Park (approximately 2.5 miles northeasterly of the Project site) beyond the City limits, ultimately merging with the Los Angeles River approximately twelve (12) miles southwesterly of the City. The River then drains southerly for approximately twelve (12) miles to its terminus at the Port of Long Beach/Pacific Ocean. The Rio Hondo Bike Path parallels the Channel’s east side. Pioneer Park, a City cultural and recreational facility, is located along the Rio Hondo Bike Path at 3575 Santa Anita Avenue, on the easterly side of the Channel, approximately 1,000 feet southerly of the Project site. Additionally, a Union Pacific/Metrolink rail line configured in a generally northwest-to-southeast orientation is located approximately 600 feet northerly of the Project site, northerly of the City’s maintenance facility and an adjacent California Department of Motor Vehicles (DMV) office.

1.2.3 EXISTING LAND USE DESIGNATIONS

The City of El Monte General Plan Land Use designation of the Project site is "Industrial/Business Park." Zoning designation of the site is "General Manufacturing," (M-2). The Applicant is requesting an amendment to the site's existing General Plan land use designation to "General Commercial" and a zone change to "Heavy Commercial" (C-4) to reflect the intended use of the property. Additionally, the Project includes the modification of the boundaries of the Northwest Industrial District to remove that portion generally located east of Arden Drive and south of the Southern Pacific Railroad.

Vicinity properties are designated for a variety of land uses ranging from industrial and commercial to residential and open space (parks).

1.3 PROJECT ELEMENTS

1.3.1 SITE PREPARATION

Following the completion of any necessary site remediation activities involving near-surface soils, the Project site would be graded in preparation for building construction.

Any existing surface improvements within the Project site (e.g., remnant paving and concrete pads) would be demolished and the site would be rough-graded and fine-graded in preparation of building construction. Existing grades within the Project site would be modified to establish suitable building pads and to facilitate site drainage. The current grading plan concept indicates that approximately 4,000 cubic yards of soil would be exported from the site over the course of project development.

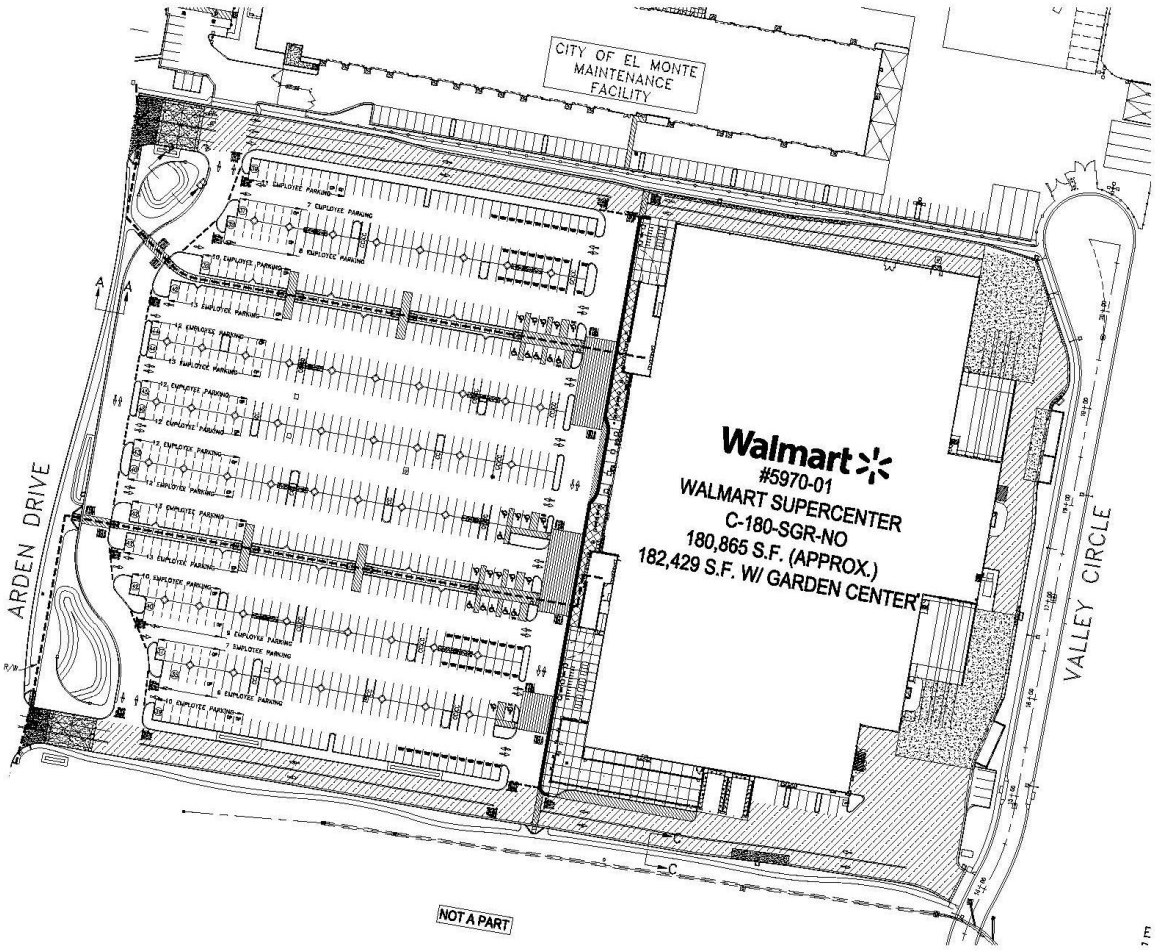
Debris generated during site preparation activities would be disposed of and/or recycled consistent with the City's Source Reduction and Recycling Element (SRRE). In this latter regard, Walmart would develop and implement a Construction and Demolition (C&D) program to capture and recycle metals, woods, floor and ceiling tiles, concretes, asphalts and other materials that may be generated as part of Project implementation.

1.3.2 DEVELOPMENT CONCEPT

The Project proposes development of an approximately 182,429-square-foot[1] Walmart, within an approximately 15.41-acre site. In addition to offering general merchandise and groceries, the Walmart would include a bakery, deli, photo lab, off-site alcohol sales, along with a food tenant (e.g., McDonalds), a non-food tenant (e.g., a bank, medical clinic, portrait studio or salon), and an outdoor garden center. The Project would also implement associated access, circulation, parking and loading facilities, and supporting infrastructure improvements. Orientation of proposed uses within the Project site is illustrated at Exhibit 1-C, "Site Plan Concept." Consistent with guidelines and requirements of the City General Plan and Municipal Code, building concepts proposed by the Project reflect a contemporary commercial

[1] For analysis purposes, as a conservative measure, we have used a building square footage of 182,500 which is consistent with the Traffic Impact Analysis which would overstate rather than understate Project emissions

EXHIBIT 1-C: PRELIMINARY SITE PLAN



architectural style evidencing articulated surfaces and roof lines, and employing varied exterior finish materials.

It is noted here that the location and sizes of proposed facilities within the Project site are approximate, but considered accurate for planning and environmental evaluation purposes. Ultimate configuration and orientation of the facilities proposed by the Project are subject to City review and approval. However, such changes would not substantively affect environmental analyses or conclusions presented herein.

The Project would be designed, constructed, and operated in a manner that would act to reduce resource consumption and promote the efficient use of energy, water, and construction materials, with correlating environmental benefits. Please refer also to Section 1.4, "Energy Efficiency/Sustainability" providing descriptions of energy efficiency and sustainability elements and programs incorporated in the Project.

The Project would also be designed in accordance with applicable building code requirements including but not limited to: Americans with Disabilities Act (ADA); California Building Code (CBC); California Green Building Standards Code Green Building Code (CALGreen); applicable General Plan design standards, policies and programs; and requirements of the City Municipal Code.

For the purposes of this analysis, it is assumed that the Project would be constructed and at full occupancy by 2016.

1.4 PROJECT SUSTAINABILITY FEATURES

1.4.1 GENERAL

As implemented and operated, the Project will meet or surpass all California Title 24 Energy Efficiency Standards. To this end, the Project will be implemented consistent with established Walmart practices providing for energy efficiency, energy conservation, and use of alternative energy sources (summarized below). Energy-saving and sustainable design features and operational programs incorporated in the Project are summarized and described below. Pursuant to Mitigation Measure AQ-4 presented herein, the Project would be required to demonstrate a minimum 5% improvement on requirements and performance standards established under the Building Energy Efficiency Standards contained in the California Code of Regulations (CCR), Title 24, Part 6 (Title 24, Title 24 Energy Efficiency Standards).

BUILDING ENERGY AND RESOURCE CONSERVATION

Lighting:

- The entire store would include occupancy sensors in most non-sales areas, including restrooms, break rooms, and offices. The sensors automatically turn the lights off when the space is unoccupied.
- All lighting in the store would consist of T-8 fluorescent lamps and electronic ballasts, resulting in up to a 15 to 20 percent reduction in energy load.

- All exterior building signage and many refrigerated food cases would be illuminated with light emitting diodes (LEDs). In refrigerated food cases, LEDs perform well in the cold and produce less heat (which must be compensated for by the refrigeration equipment) than fluorescent bulbs. LEDs also contain no mercury or lead. LED technology is up to 52 percent more energy efficient than fluorescent lights. Total estimated energy savings for LED lighting in the store's grocery section is approximately 59,000 kWh per year, enough energy to power five single family homes.
- The store would include a daylight harvesting system, which incorporates more efficient lighting, electronic continuous dimming ballasts, skylights and computer controlled daylight sensors that monitor the amount of natural light available. During periods of higher natural daylight, the system dims or turns off the store lights if they are not needed, thereby reducing energy use. This program would help the store save a substantial amount of energy. Dimming and turning off building lights also helps eliminate unnecessary heat in the building.

Central Energy Management System:

- Walmart employs a centralized energy management system (EMS) to monitor and control the heating, air conditioning, refrigeration and lighting systems for all stores from Walmart's corporate headquarters in Bentonville, Arkansas. The EMS enables Walmart to constantly monitor and control the expanded store's energy use, analyze refrigeration temperatures, observe HVAC and lighting performance, and adjust system levels from a central location 24 hours per day, seven days per week. Energy use for the entire store would be monitored and controlled in this manner.

Heating Ventilation and Air Conditioning (HVAC) Systems:

- The store would employ energy efficient heating (HVAC) systems surpassing industry baseline standards and California Title 24 requirements. In this regard, current designs for Walmart stores incorporate HVAC systems rated as among the industry's most energy efficient.

Dehumidification:

- The Walmart store would include a dehumidifying system allowing the store to operate comfortably at a higher interior temperature, use less energy for air conditioning, and allow the air conditioning/refrigeration systems to operate more efficiently.

White Roofs:

- The store would utilize a white membrane roof instead of the typical darker colored roof materials employed in commercial construction. The white membrane roof's higher reflectivity helps reduce building energy consumption and reduces the heat island effect, as compared to buildings utilizing darker roofing colors.

Refrigeration:

- Refrigeration equipment is typically roof-mounted proximate to refrigerated cases. This reduces the amount of copper refrigerant piping, insulation, and minimizes the potential for refrigerant leaks and attendant demands for refrigerant recharging. Walmart uses non ozone-depleting refrigerants (R407a and R410a) for refrigeration equipment and air conditioning, respectively.

Heat Reclamation:

- The proposed Walmart store would reclaim waste heat from onsite refrigeration equipment to supply approximately 70 percent of the hot water needs for the store.

Water Conservation:

- Walmart would install high-efficiency urinals that use only one-eighth (1/8) gallon of water per flush. This fixture reduces water use by 87 percent compared to the conventional one gallon per flush urinal. The 1/8 gallon urinal also requires less maintenance than waterless urinals.
- All restroom sinks would use sensor-activated one-half (1/2) gallon per minute high-efficiency faucets. These faucets reduce water use by approximately 75 percent when compared to mandated 1992 EPA Standards. During use, water flows through turbines built into the faucets to generate the electricity needed to operate the motion sensors.
- Water efficient restroom toilets would be employed in the Walmart restrooms. These fixtures use 20 percent less water compared to mandated EPA Standards of 1.6 gallon per flush fixtures.
    - The toilets utilize built-in water turbines to generate the power required to activate the flush mechanism. These turbines save energy and material by eliminating electrical conduits required to power automatic flush valve sensors.
    - It is estimated that Walmart's water conservation measures could save up to 530,000 gallons of water annually at this store.

Material and Finishes:

Cement Mixes

- The store would be built using cement mixes that include 15 to 20 percent fly ash, a waste product of coal-fired electrical generation, or 25 to 30 percent slag, a by-product of the steel manufacturing process. By incorporating these waste product materials into its cement mixes, Walmart offsets the greenhouse gases emitted in the cement manufacturing process.
- The store would use Non-Reinforced Thermoplastic Panel (NRP) in lieu of Fiber Reinforced Plastic (FRP) sheets on the walls in areas where plastic sheeting is appropriate, including food preparation areas, utility and janitorial areas, and associate break rooms. NRP can be recycled, has better impact resistance and, like FRP, is easy to keep clean.
- The store would employ a plant-based oil extracted from a renewable resource as a concrete form release agent (a product sprayed on concrete forms to allow ease of removal after the concrete has set). This release agent is nonpetroleum based non-toxic and a biodegradable agent. For the store's exterior and interior field paint coatings, Walmart would use low-volatile organic (VOC) content paint consistent with South Coast Air Quality Management District (SCAQMD) requirements.
- Paint products required for the Project would be primarily purchased in 55 gallon drums and 275 gallon totes, reducing the number of one gallon and five gallon buckets needed. These plastic buckets are filled from the drums and totes and then returned to the paint supplier for cleaning and reuse.
- Exposed concrete floors are used where appropriate thereby reducing surface applied flooring materials. Use of exposed concrete floors also substantially reduces the need for most chemical cleaners, wax strippers, and propane-powered floor buffing.

Recycled Building Materials

- Construction of the store would use steel containing approximately 90 to 98 percent recycled structural steel, which utilizes less energy in the mining and manufacturing process than does new steel.
- All of the plastic baseboards and much of the plastic shelving employed in the store would be composed of recycled plastic.

Construction and Demolition (C&D) Recycling

- Walmart would develop and implement a Construction and Demolition (C&D) program at this location in order to capture and recycle as much of any metals, woods, floor and ceiling tiles, concretes, asphalts and other materials that may be generated as part of Project implementation. Walmart would work with the City and serving waste management company to fully research all available C&D recycling facilities in the area, and the Walmart C&D program would seek to include the widest possible range of materials recovery options. Throughout the course of Project construction, any demolished concrete or asphalt, concrete truck wash out, scrap building materials and construction refuse would be removed and recycled/disposed of consistent with the City's adopted Source Reduction and Recycling Element (SRRE), thereby maximizing reuse of building materials and minimizing recyclables placed within landfills.

Other Energy Conservation/Sustainability Considerations

Pedestrian Walkways:

Pedestrian paths and pedestrian crosswalks would be provided consistent with City of El Monte requirements, allowing for patrons to safely walk within the Project site, and to adjacent off-site areas. Provision of functional and safe pedestrian paths tends to reduce the number short vehicle trips and vehicle startups, with associated reductions in fuel consumption.

Bicycle Racks:

Consistent with City of El Monte requirements, bicycle racks and bicycle lockers would be provided on-site, facilitating bicycle use by Project employees and customers. Provision of bicycle racks and bicycle lockers facilitates and encourages use of bicycles with correlating reductions in vehicle fuel consumption.

Location:

Location of the Project proximate to major roadways within an urban context also results in traffic/transportation efficiencies in that the Project's commercial/retail facilities are readily accessible and proximate to customers and patrons, generally reducing vehicle miles traveled (VMT) and associated consumption of resources.

Transit Services:

The Project would accommodate a mix of automobile, pedestrian, and transit modes of transportation. In this latter regard, location of the Project along Arden Drive provides access to proximate City of El Monte bus services. The City of El Monte Transportation Services Division

"Red Route" travels along Arden Avenue with approximate 40 minute service intervals. A bus stop is currently located at Valley Boulevard and Arden Avenue.

Serving transit agencies (in this case the City of El Monte Transportation Services Division) routinely review and adjust their ridership schedules to accommodate public demand. The need for transit-related facilities, including but not limited to bus turn outs and bus shelters, would be coordinated between the City and the Project Applicant, with specific input from the City Transportation Services Division as part of the City's standard development review process.

1.5 SUMMARY OF FINDINGS/CONCLUSIONS

Potential health risks (cancer and non-cancer risks) from Project-generated TACs are provided at Table 1-1.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project TAC source emissions is located immediately adjacent to the Project site (R3) to the west across Arden Drive. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project TAC source emissions is estimated at 0.24 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.0002, which would not exceed the applicable threshold of 1.0. Exhibit 2-B illustrates the nearest modeled residential receptors and the MEIR.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project TAC source emissions is located immediately adjacent to the Project site (R6) to the east. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is estimated at 0.65 in one million which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.0007, which would not exceed the applicable threshold of 1.0. Exhibit 2-C illustrates the nearest modeled worker receptors and the MEIW.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project TAC source emissions is located at the Rio Vista Elementary School located north of the Project site (R2). At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact is estimated at 0.02 in one million which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.00009, which would not exceed the applicable threshold of 1.0. Exhibit 2-D illustrates the nearest modeled school receptors and the MEISC.

TABLE 1-1: SUMMARY OF CANCER RISKS ATTRIBUTABLE TO THE PROJECT

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
70 Year Exposure (2016 to 2085)	Maximum Exposed Sensitive Receptor	0.24	10	NO
40 Year Exposure (2016 to 2055)	Maximum Exposed Worker Receptor	0.65	10	NO
9 Year Exposure (2016 to 2024)	Maximum Exposed School Child	0.02	10	NO

1.6 REQUIREMENTS

The Project would be required to comply with all mandatory regulatory requirements imposed by the State of California and the South Coast Air Quality Management District aimed at the reduction of air quality emissions. It should be noted that the analysis herein does not take any "credit" or "reduction" for the following measures. Those that are applicable to the Project and that would assist in the reduction of diesel particulate emissions are:

CARB Air Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling limits the idling of diesel vehicles to reduce emissions of toxics and criteria pollutants. The driver of any vehicle subject to this section: (1) shall not idle the vehicle's primary diesel engine for greater than five minutes at any location; and (2) shall not idle a diesel-fueled auxiliary power system (APS) for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools) (2).

CARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, beginning in 2008, would require that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking brake is engaged (3).

2 BACKGROUND

2.1 REGULATORY SETTING

CARB estimates that the average Californian is exposed to 1.2-1.8 µg/m^3 of DPM, this exposure results in an average cancer risk of 360-540 in one million for the average Californian exposed to DPM (4).

As noted above, this HRA is based on SCAQMD guidelines to produce conservative estimates of risk posed by exposure to TACs. The conservative nature of this analysis is due primarily to the following factors:

The CARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per µg/m3 is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Therefore the risk factor is already representative of the conservative risk posed by DPM.

The risk estimates assume sensitive receptors will be subject to TACs for 24 hours a day, 365 days a year. As a conservative measure, the SCAQMD does not recognize indoor adjustments for residents. However, the typical person spends the majority of their time indoors versus remaining outdoors for 24 hours a day, 365 days a year.[2]

The exposure to TACs is assumed to be constant for the given period analyzed (e.g., 70 years under the residential exposure scenario). It should be noted however that emissions from TACs are expected to substantially decrease in the future with the implementation of standard regulatory requirements and technological advancement to reduce TACs.

The emissions derived assume that every truck accessing the project site will idle for 15 minutes, this is an overestimation of actual idling times and thus conservative.[3]

2.2 EMISSIONS ESTIMATION

Vehicle DPM emissions were estimated using emission factors for particulate matter less than 10µm in diameter (PM_{10}) generated with the 2011 version of the Emission FACtor model (EMFAC) developed by the ARB. EMFAC 2011 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local

[2] In May, 1991 the California Air Resources Board (CARB) Research Division in association with the University of California, Berkeley published research findings entitled: *Activity Patterns of California Residents*. The findings of that study indicate that on average, adults and adolescents in California spent almost 15 hours per day inside their homes, and six hours in other indoor locations, for a total of 21 hours (87% of the day). About 2 hours per day were spent in transit, and just over 1 hour per day was spent in outdoor locations.

[3] Although the Project is required to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, phone call, with James Koizumi, May 6, 2009), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (5). The most recent version of this model, EMFAC 2011, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

The most important improvement in EMFAC 2011 is the integration of the new data and methods to estimate emissions from diesel trucks and buses. EMFAC 2011 uses the same diesel truck and bus vehicle populations, miles traveled and other emissions-related factors developed for the Truck and Bus Rule approved by the Air Resources Board in 2010. The model includes the emissions benefits of the truck and bus rule and the previously adopted rules for other on-road diesel equipment. Finally, the impacts of the recession (2007-2009) on emissions that were quantified as part of the truck and bus rulemaking are included.

Several distinct emission processes are included in EMFAC 2011. Emission factors calculated using EMFAC 2011 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2011 in EMFAC Mode for vehicles in the SCAQMD district. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

The average PM10 emission factors for each type of vehicle were calculated based on the annual average emission factors from different model years for various exposure periods associated with assumptions for evaluating exposure to different receptor populations (e.g., sensitive, offsite worker and resident, respectively):

1. 70-year exposure: 2016 through 2085 (Residential Exposure Scenario)
2. 40-year exposure: 2016 through 2055 (Worker Exposure Scenario)
3. 9-yr exposure: 2016 through 2024 (School Child Exposure Scenario)

Calculated emission factors for each of these scenarios are shown in Table 2-1. The emission factors for model years beyond 2035 were assumed to be the same as emission factors in 2035 due to the fact that EMFAC 2011 only contains emission factors for the model year from 1990 through 2035. This is a conservative measure as it assumes no fleet turnover or cleaner technology with lower emissions could be incorporated after 2035.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM10 emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (5):

$Emissions_{speedA}$ (g/s) = $EF_{RunExhaust}$ (g/VMT) * Distance (VMT/trip) * Number of Trips (trips/day) / seconds per day

Where:

$Emissions_{speedA}$ (g/s): Vehicle emissions at a given speed A;

$EF_{RunExhaust}$ (g/VMT): EMFAC running exhaust PM_{10} emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor (g/idle-hr) from EMFAC and the total truck trip over the total idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (5):

$Emissions_{idle}$ (g/s) = EF_{idle} (g/hr) * Number of Trips (trips/day) * Idling Time (min/trip) *

60 minutes per hour / seconds per day

Where:

$Emissions_{idle}$ (g/s): Vehicle emissions during idling;

EF_{idle}(g/s): EMFAC idle exhaust PM_{10} emission factor.

TABLE 2-1: WEIGHTED AVERAGE DPM EMISSIONS FACTORS

2016-2085 – 70 Year Residential Exposure Scenario	
Speed	Weighted Average
0 (idling)	0.46690 (g/idle-hr)
5	0.06963 (g/s)
25	0.04063 (g/s)
2016-2055 – 40 Year Worker Exposure Scenario	
Speed	Weighted Average
0 (idling)	0.46879 (g/idle-hr)
5	0.07296 (g/s)
25	0.04183 (g/s)
2016-2024 – 9 Year School Child Exposure Scenario	
Speed	Weighted Average
0 (idling)	0.47975 (g/idle-hr)
5	0.09520 (g/s)
25	0.04976 (g/s)
Source: California Air Resource Board, EMFAC 2011 model	

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report, but are included in Appendix "A". The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway. On-site idling at the Walmart and outparcel were modeled as point sources at the loading docks. The modeled emission sources are illustrated on Exhibit 2-A.

On-site truck idling was estimated to occur as trucks enter and travel through the facility. Although the Project is required to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (6), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis estimated truck idling at 15 minutes, consistent with SCAQMD's recommendation.

Some of the trucks accessing the site will have Transportation Refrigeration Units (TRUs), emission factors for TRUs were obtained from CARB's Staff Report: Initial Statement of Reasons for Proposed Rulemaking 2011 Amendments for the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate. Each TRU accessing the site was estimated to idle for 30 minutes with an average of 34 horsepower and 0.53 load factor consistent with CARB guidance. See Appendix

EXHIBIT 2-A: MODELED EMISSION SOURCES

3.1 for more detailed calculations and methodology. The average number of trucks for the Wal-Mart is summarized at Table 2-2.

CHARBROILING COOKING EMISSIONS:

The cooking of meat creates fine particulate matter and volatile organic carbon emissions. Polycyclic Aromatic Hydrocarbons (PAHs), a group of over 100 chemicals, are key TACs from cooking operations. PAHs are formed by the incomplete combustion of coal, petroleum products, wood, tobacco, charbroiled meats, garbage, or other organic materials. Exposure to PAHs usually occurs by breathing air contaminated by wild fires or coal tar, or by eating foods that have been grilled. Cancer is the major concern from exposure to PAH. Epidemiological studies have reported an increase in lung cancer in humans exposed to coke oven emissions, roofing tar emissions, and cigarette smoke; all of these mixtures contain PAH compounds. Two primary components of PAHs are benzo[a]pyrene and naphthalene. Animal studies have reported respiratory tract tumors from inhalation exposure to benzo[a]pyrene and fore-stomach tumors, leukemia, and lung tumors from oral exposure to benzo[a]pyrene. Naphthalene is also a component of cooking emissions which can impact respiratory functions (OEHHA, 2001).

Potential charbroiling emissions may result from the food services offered at the Walmart store. The quantity and type of food items to be prepared at the Project restaurant have yet-to-be determined. To establish a likely maximum impact scenario, the analysis assumes each modeled facility employs charbroilers for the cooking of beef and poultry. Charbroiling emissions are available from the Guidance for Air Dispersion Modeling (SJVAPCD, 2006), Facility type 3 was selected for both modeled scenarios since it represents the greatest emission rate (most conservative). See Appendix 3.1 for more detailed calculations and methodology.

TABLE 2-2 AVERAGE WEEKLY DELIVERY SCHEDULE

Land Use	Semi-Truck w/ Transportation Refrigeration Unit (TRU)[1]		Semi-Truck w/o TRU[2]					2-Axle	Total Trucks By Category		
	Frozen/ Dairy/ Deli	Meat/ Produce	General MDSE	Dry Grocery	McLanes[3]	Coke/ Pepsi	General Ops[4]	DSD[5]	2-Axle	Semi w/ TRU	Semi w/o TRU
Walmart	7	7	10	8	4	2	4	45	45	14	28
Totals	**14**		**28**					**45**	**45**	**14**	**28**
Total All Trucks									**87**		

Notes:

[1] Merchandise is unloaded on pallets and is stored in the walk-in refrigerator; it takes approximately 30 minutes to unload any given truck. TRU semis typically deliver merchandise between 7 am and 10 pm.

[2] Merchandise is unloaded on pallets and is stored on-site; it takes approximately 30 minutes to unload any given truck. Semi-trucks w/o TRU typically deliver merchandise between 1 pm and 4 pm.

[3] McClanes grocery and foodservice supply company provides delivery services to Walmart.

[4] General Operations include pick-up of contents of trash compactor, cardboard bailer, grocery compost and customer returns. General Operations pickups typically occur between 8 am and 5 pm.

[5] DSD = Direct Service Delivery. Trucks are unloaded using a dolly. Merchandise dollies then enter the store through a DSD door (located inside the outdoor storage area). Deliveries typically occur between 7 am and 5 pm behind the store. Once unloaded, the driver moves the empty truck to a parking space. Coke and Pepsi semis are also DSD-processed.

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the model was used to calculate annual average particulate concentrations associated with site operations.

SCAQMD required model parameters are presented in Table 2-3 (7). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's East San Gabriel Valley 1 monitoring station (SRA 9) located approximately 8 miles northeast of the Project site was used to represent local weather conditions and prevailing winds (8).

TABLE 2-3: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban
Terrain (Flat/Complex)	Flat
Averaging Time	1 year
Receptor Height	1.5 meters (consistent with SCAQMD protocol)

Universal Transverse Mercator (UTM) coordinates for North American Datum (NAD) 83 were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity. The AERMOD dispersion model summary output files for the proposed facility are presented in Appendix 3.1.

Modeled sensitive receptors were placed at discrete residential and non-residential locations for the applicable residential and non-residential scenarios as illustrated on Exhibits 2-B, 2-C, and 2-D.

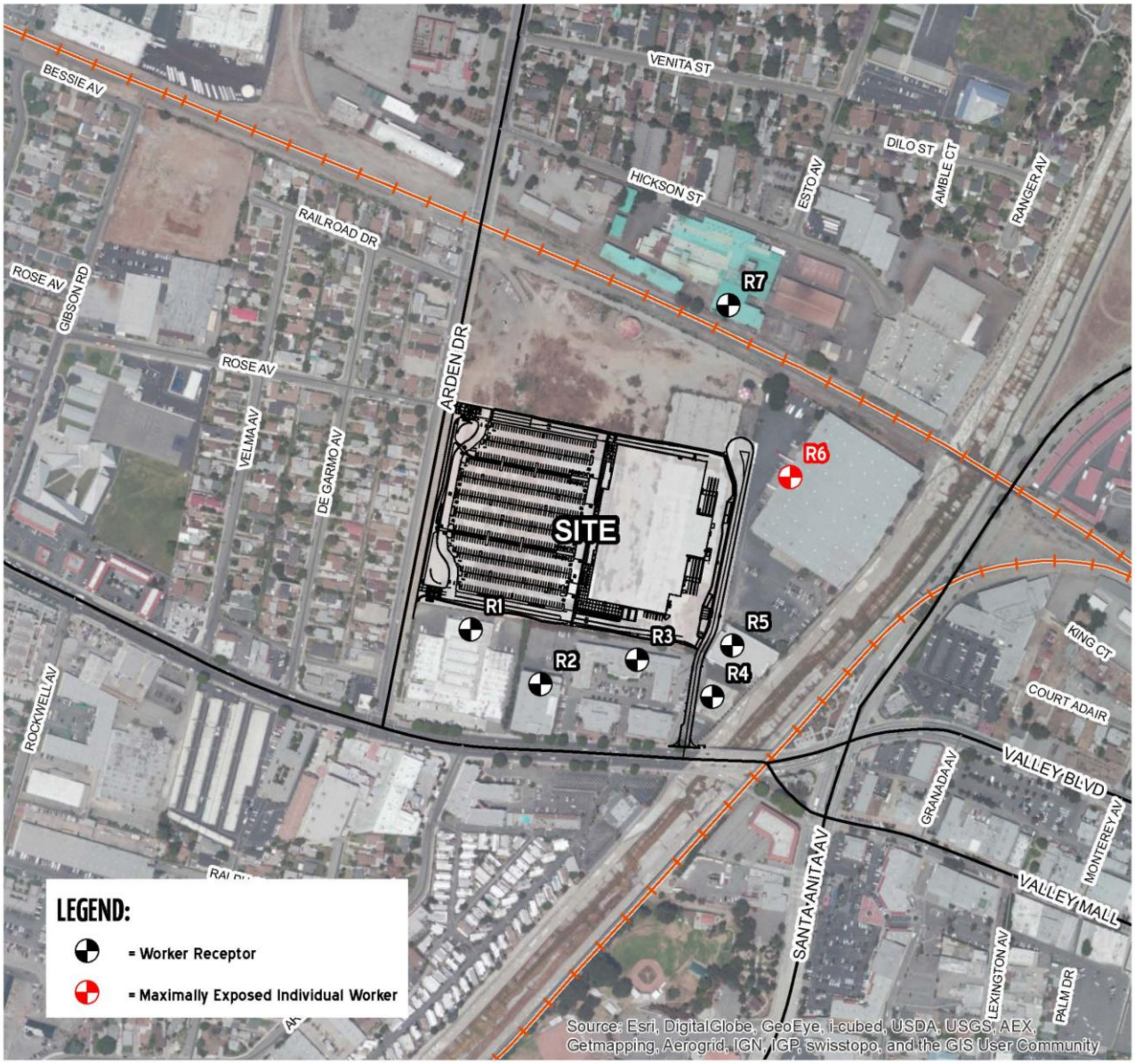
2.4 CARCINOGENIC CHEMICAL RISK

The SCAQMD CEQA Air Quality Handbook (1993) states that emissions of toxic air contaminants (TACs) are considered significant if a HRA shows an increased risk of greater than ten in one million. Based on guidance from the SCAQMD in the document Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis ((1), for purposes of this analysis, ten (10) in one million is used as the cancer risk threshold for the proposed Project.

Health risks associated with exposure to carcinogenic compounds are defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its URF. The URF is a measure of 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 URF utilized in this analysis was

EXHIBIT 2-B: NEAREST MODELED RESIDENTIAL RECEPTORS

EXHIBIT 2-C: NEAREST MODELED WORKER RECEPTORS



N

EXHIBIT 2-D: NEAREST MODELED SCHOOL CHILD RECEPTORS

N

obtained from the California Environmental Protection Agency, Office of Environmental Health Hazard.

To effectively quantify dose, the procedure requires the incorporation of several discrete exposure variants. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse doze expressed in milligrams per kilogram per day $(mg/kg/day)^{-1}$ to derive the cancer risk estimate. Therefore, to assess exposures associated with the proposed Project, the following dose algorithm was utilized.

$$CDI = (C_{air} \times EF \times ED \times IR) / (BW \times AT)$$

Where:

CDI	=	chronic daily intake (mg/kg/day)
C_{air}	=	concentration of contaminant in air (mg/m^3)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
IR	=	inhalation rate (m^3/day)
BW	=	body weight (kg)
AT	=	averaging time (days)

The URFs utilized in the assessment and corresponding cancer potency factors were obtained principally from OEHHA guidance.

Discrete variants for body weight and inhalation were obtained from relevant distribution profiles presented in the OEHHA guidance document entitled Air Toxic Hot Spots Program Risk Assessment Guidelines, Part IV: Technical Support Document for Exposure Assessment and Stochastic Analysis (9). Table 2-4 summarizes the OEHHA-Recommended Exposure Parameters for Residents, Offsite Worker, and School Children. Appendix "3.2" includes the detailed emissions and risk calculation outputs.

The risk estimates were thus calculated as follows:

$$CR_{TAC} = CDI \text{ x } CPF \text{ (includes URF)}$$

Where:

CR_{TAC}	=	cancer risk from TAC exposure
CDI	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
URF	=	unit risk factor

TABLE 2-4: OEHHA RECOMMENDED EXPOSURE PARAMETERS

Exposure Parameter	Units	Residential	Worker	School Child [a]
Exposure Frequency	days/year	350	245	180
Exposure Duration	years	70	40	9
Inhalation Rate	m^3/day	21.14	10.43	40.67
Body Weight	kilograms	70	70	18
Averaging Time	days	25550	25550	25550
Exposure Time	hours/day	24	12	10

[a] To represent the unique characteristics of the school-based population, the assessment employed the U.S. Environmental Protection Agency's guidance to develop viable dose estimates based on reasonable maximum exposures (RME). RME's are defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. As a result, lifetime risk values for the student population were adjusted to account for an exposure duration of 180 days per year for nine (9) years. The 9 year exposure duration is also consistent with OEHHA Recommendations and consistent with the exposure duration utilized in school-based risk assessments for various schools within the Los Angeles County Unified School District (LAUSD) that have been accepted by the SCAQMD.

Universal Transverse Mercator (UTM) coordinates for North American Datum (NAD) 83 were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity. The AERMOD dispersion model summary output files for the proposed facility are presented in Appendix 3.1.

2.5 POTENTIAL PROJECT-RELATED TAC SOURCE CANCER RISKS

Project-related TAC-source cancer risks under the three (3) operational scenarios for the Project are considered herein and are summarized as follows.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project TAC source emissions is located immediately adjacent to the Project site (R3) to the west across Arden Drive. At the MEIR, the maximum incremental cancer risk attributable to Project TAC source emissions is estimated at 0.24 in one million, which is less than the threshold of 10 in one million.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project TAC source emissions is located immediately adjacent to the Project site (R6) to the east. At the MEIW, the maximum incremental cancer risk impact is estimated at 0.65 in one million which is less than the threshold of 10 in one million.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project TAC source emissions is located at the Rio Vista Elementary School located north of the Project site (R2). At the MEISC, the maximum incremental cancer risk impact is estimated at 0.02 in one million which is less than the threshold of 10 in one million.

2.6 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 $\mu g/m^3$ (OEHHA Toxicity Criteria Database, http://www.oehha.org/risk/chemicaldb/index.asp).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

The relationship for the non-cancer health effects of TACs is given by the following equation:

$$HI_{TAC} = C_{TAC}/REL_{TAC}$$

Where:

HI_{TAC} = Hazard Index; an expression of the potential for non-cancer health effects.

C_{TAC} = Annual average TAC concentration ($\mu g/m^3$).

REL_{TAC} = Reference exposure level (REL) for TAC; the TAC concentration at which no adverse health effects are anticipated.

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project TAC source emissions is located immediately adjacent to the Project site (R3) to the west across Arden Drive. At the MEIR the maximum non-cancer risks were estimated to be 0.0002, which would not exceed the applicable threshold of 1.0. Exhibit 2-B illustrates the nearest modeled residential receptors and the MEIR.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project TAC source emissions is located immediately adjacent to the Project site (R6) to the east. At the MEIW the maximum non-cancer risks were estimated to be 0.0007, which would not exceed the applicable threshold of 1.0. Exhibit 2-C illustrates the nearest modeled worker receptors and the MEIW.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project TAC source emissions is located at the Rio Vista Elementary School located north of the Project site (R2). At the MEISC

the maximum non-cancer risks were estimated to be 0.00009, which would not exceed the applicable threshold of 1.0. Exhibit 2-D illustrates the nearest modeled school receptors and the MEISC.

2.7 CUMULATIVE TOXIC AIR CONTAMINANTS (TAC) EMISSIONS IMPACTS

BACKGROUND

The South Coast Air Quality Management District (SCAQMD)[4] has conducted an analysis of the cumulative effects of Toxic Air Contaminants (TACs) within the South Coast Air Basin (Basin). This cumulative analysis, *Multiple Air Toxics Exposure Study in the South Coast Air Basin (MATES-III)*, expresses cumulative TAC impacts in terms of potential increased cancer risks.[5] *MATES-III* estimates that the Basin-wide average excess cancer risk level resulting from exposure to cumulative TACs is approximately 1,200 incidents per one million population. Related, *MATES-III* estimates the cumulative TAC-source cancer risk for the localized area encompassing the Project site at 1,373 incidents per million population.[6] Diesel Particulate Matter (DPM)-source cancer risks, are reflected in the area's ambient cumulative cancer risk along with all other TAC-source risks, and accounts for the predominance (83.6%) of the total risk shown in MATES-III.

AMBIENT TAC IMPACTS PRESUMED CUMULATIVELY SIGNIFICANT

The SCAQMD *has* established a significance threshold for incremental *project-level* TAC impacts. Specifically, if a given project would generate TACs resulting in or causing an increase in cancer risks of 10 or more incidents per million population, that project's incremental cancer risk would be considered significant. This same significance threshold (10 in one million) is applied by SCAQMD in determining whether a given project's incremental contribution to ambient TAC-source cancer risks is cumulatively considerable. The SCAQMD *has not* however established a significance threshold for ambient cumulative TAC impacts affecting the Basin. Likewise, the Lead Agency has no adopted cumulative TAC impacts significance threshold.

Absent an established threshold for cumulative TAC impacts, the following discussion assesses whether, in the light of other available existing information, the ambient cumulative TAC-source impacts affecting the Basin and the area encompassing the Project site could be characterized as significant.

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[4] SCAQMD is the Responsible Agency providing guidance on applicable air quality analysis methodologies and air quality-related issues.

[5] Cancer risk refers to the probability of contracting cancer associated with exposure to a substance. It is expressed as the chance per million of a cancer case occurring. A risk of one per million, for example, would mean that in a population of one million individuals exposed over a 70 year lifetime, one additional cancer case would be expected.

[6] SCAQMD 2008, MATES III Carcinogenic Interactive Map–http://www3.aqmd.gov/webappl/matesiii/ Localized background TAC-source cancer risk estimates are extrapolated from TAC monitoring data collected at ten fixed sites within the South Coast Air Basin. MATES III extrapolates cancer risk levels throughout the Basin at 1.25 mile by 1.25 mile grids.

As noted previously, MATES-III estimates the average ambient cumulative TAC-source cancer risk for the Basin as whole at 1,200 incidents per million population; in the localized area encompassing the Project site the risk is estimated at 1,373 incidents per million population. Either of these existing cumulative TAC-source cancer risk levels (1,200 per million, or 1,373 per million) far exceeds the 10 in one million cancer risk at which project-level TAC-source cancer risks would be determined significant employing SCAQMD thresholds.

Comparing the ambient cumulative TAC-source cancer risk (1,373 per million locally; or 1,200 per million Basin-wide) to the SCAQMD's established threshold for project-level TAC-source cancer risks (10 in one million), the ambient cumulative TAC-source cancer risk is approximately 120 to 137 times greater than the incremental risk at which project-level TAC-source cancer risks would be considered significant.

Although there is not yet an established significance threshold for ambient cumulative TAC impacts, given the magnitude by which the ambient cumulative condition exceeds SCAQMD's established project-level significance threshold (ambient cumulative TAC conditions are 120 to 137 times greater than the project-level threshold), the ambient cumulative condition would likely exceed whatever significance threshold may be established for cumulative impacts affecting the Basin. On this basis and absent a prevailing threshold adopted by the Lead or Responsible Agency, ambient cumulative TAC impacts are presumed to be significant.

JUSTIFICATION OF THE GEOGRAPHIC SCOPE OF THE ANALYSIS

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on ARB and South Coast District emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is estimated at approximately 1,000 feet from a distribution center (10).

The 1,000-foot evaluation distance is supported by research-based findings concerning TAC emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

For assessing the cumulative impacts of a new source of TAC emissions associated with a project in combination with existing sources and probable future sources, a project radius is necessary. Assessment of impacts from existing sources within 1,000 feet of the new source in combination with risks and hazards from the new source is recommended. Then, once the location of the maximally impacted receptor is identified for the project, cumulative impacts from other sources within the radius of the project (i.e., not the receptor) are assessed at that location. Assessments should sum individual hazards or risks to find the cumulative impact at the location of the maximally impacted receptor from the new source.

Lastly, the Waters Bill (AB 3205) (H&SC Section, 42301.6 through 42301.9)(11) addresses sources of hazardous air pollutants near schools. It requires new or modified sources of hazardous air emissions located within 1,000 feet from the outer boundary of a school to give

public notice to the parents or guardians of children enrolled in any school located within one-quarter mile of the source and to each address within a 1,000 foot radius.

For purposes of this assessment, a one-quarter mile radius or 1,320 feet geographic scope is utilized for determining potential cumulative impacts. This radius is more robust than, and provides a more health protective scenario for evaluation than the 1,000 feet buffer identified above.

RELATED PROJECTS CONTRIBUTION TO CUMULATIVE TAC IMPACTS

In addition to the MATES-III cumulative TAC-source cancer risk noted above, other new or proposed potential TAC-generating projects (related projects) in the Study Area could contribute to cumulative TAC impacts. These related projects, due to their recent and/or tentative nature, are not reflected in the cumulative TAC impacts identified in the MATES-III study.

In consultation with the Lead Agency, related TAC-generating projects located within a one-quarter mile radius of the Project were identified and are reflected in this cumulative TAC analysis. These related projects (listed below and indicated at Exhibit 2-E) were selected based on their propensity to generate TACs that would contribute to, or interact with, TACs generated by the Project. Related projects include:

- I-1: 24,400 square feet of light industrial/warehouse facilities at 10525 Valley Boulevard[7]
- M-1: 480 apartments/condominiums and 25,000 square feet of retail between I-10 and Valley Boulevard and Rio Hondo Chanel and Santa Anita Ave[8]

The primary TAC-source emissions associated with these two related projects would be DPM emissions generated from commercial delivery trucks.

No environmental documentation is available that discloses potential TAC-source cancer risk associated with these two related Projects. Notwithstanding, in an effort to overstate rather than understate cumulative impacts, a screening-level risk assessment has been conducted for these two related projects based on the limited information available. The results of the screening-level risk assessment indicate that the maximum cancer risk attributable to the related projects would be approximately 0.07 in one million.

7 For Light Industrial, the ITE *Trip Generation Handbook* 2nd Edition, Appendix A, provides information on average number of truck trips per thousand square feet (TSF) for light industrial uses, based on the values provided in Table A.4 of the document, a light industrial project would generate approximately 0.60 truck trips per TSF (0.33 2 and 3-axle, and 0.27 4+-axle trucks per TSF). Using these factors, a 24,400 SF light industrial building could result in up to 15 net daily truck trips (8 2-and 3-axle, and 7 4+-axle trucks).

8 For retail, the National Cooperative Highway Research Program (NCHRP) report *Synthesis 298 Truck Trip Generation Data*, provides information on average number of truck trips per thousand square feet (TSF) for commercial retail uses, based on the values provided in Table D-2c of the document, a commercial retail project would generate approximately 0.324 truck trips per TSF. Using these factors, a 25,000 SF light commercial retail building could result in up to 9 net daily truck trips.

EXHIBIT 2-E: CUMULATIVE DEVELOPMENT WITHIN ONE-QUARTER MILE OF THE PROJECT

PROJECT CONTRIBUTION TO CUMULATIVE TAC IMPACTS

Project-source TACs would incrementally increase the background cancer risk by a maximum of 0.24 incidents per million population. The applicable SCAQMD significance threshold for Project-level TAC-source cancer risk impacts is 10 incidents per million population. Similarly, SCAQMD significance thresholds state that Project contributions to cumulative TAC-source cancer risks would be cumulatively considerable if greater than 10 incidents per million population would occur. The 0.24 incidents per million population increment resulting from the Project is therefore not significant, nor cumulatively considerable.

SUMMARY AND CONCLUSIONS

To provide context for, and quantify cumulative TAC effects within the Study Area, the Project TAC-source cancer risk, and the TAC-source cancer risks from the related projects identified herein, were added to the total background risk derived by the MATES III study, yielding a maximum potential cumulative TAC-source risk affecting the Study Area. As indicated at Table 2-5 the maximum potential cumulative cancer risk within the Study Area is estimated at 1,373.31.

TABLE 2-5: STUDY AREA CUMULATIVE CANCER RISK[9]

Cumulative Impact Scenario	Risk Sources			Maximum Cumulative Risk
	Background TACs	Related Projects TACs	Project TACs	
	Cancer Risk Per Million Population			
Cumulative Impact Without Project	1,373			**1,373**
Cumulative Impact With Project	1,373		0.24	**1,373.24**
Cumulative Impact With Project and Related Projects	1,373	0.07	0.24	**1,373.31**

Notes: Background TAC risk from **MATES III Carcinogenic Risk Interactive Map (**http://www2.aqmd.gov/webappl/matesiii/) (SCAQMD 2008).

The MATES-III ambient cumulative TAC impact represents approximately 99.9 percent of the total cumulative impact identified at Table 2-5; and due to its magnitude when compared to project-level TAC impact significance thresholds, is presumed to be cumulatively significant. The Project would incrementally contribute to this presumably significant cumulative impact. However the Project's incremental contribution of 0.24 incidents per million population do not

9 Although cumulative impacts typically represent a General Plan Buildout Scenario, there is no such data available for what General Plan Buildout DPM emissions impacts would be. The background risk, however, would likely overstate, rather than understate future DPM impacts and is assumed to be inclusive of future growth. It should be noted that due to improved DPM emissions control technologies and increasingly stringent DPM emissions regulations, the cancer risk incidence in the seven (7) years between the Mates II and Mates III studies declined by approximately 15% even as population and business growth occurred throughout the region. Similar future declines in area-wide DPM source emissions are anticipated pursuant to enactment of further emissions regulations, including but not limited to anticipated greenhouse gas (GHG) reduction and control measures to be implemented by the state (see also: emissions regulatory measures discussed within Walmart 191 Expansion Air Quality Impact Analysis (Urban Crossroads) 2014; and Walmart 191 Expansion Greenhouse Gas Impact Analysis (Urban Crossroads) 2014.

exceed, or even approach the established SCAQMD threshold (10 incidents per million population) at which project-level TAC contributions would be determined cumulatively considerable. On this basis, the Project TAC emissions impacts are not considered cumulatively considerable.

3 REFERENCES

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9. **Office of Environmental Health Hazard Assessmen.** IR TOXICS HOT SPOTS PROGRAM RISK ASSESSMENT GUIDELINES. [Online] February 2012. http://oehha.ca.gov/air/hot_spots/SRP/index.html.
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11. CAL HSC Code 42301.6 California Code - Section 42301.6. *Find Law.* [Online] http://codes.lp.findlaw.com/cacode/HSC/1/d26/4/4/1/s42301.6.

4 CERTIFICATION

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed El Monte Walmart Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 660-1994 ext. 217.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May, 2010

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PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June, 2013
Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

APPENDIX 5.1:

AERMOD MODEL INPUT/OUTPUT

AERMOD MODEL INPUT

RESIDENTIAL

AVERAGE EMISSION FACTOR
SCAQMD 2016-2085

Speed	LHD2	HHD
0	0.800371	0.10967
5	0.0562	0.08402
25	0.02429	0.05813

Speed	**Weighted Average Emissions**
0	**0.46690**
5	**0.06963**
25	**0.04063**

Year	Speed	LHD2	HHD
2016	0 mph	0.833	0.147376333
	5 mph	0.101	0.157393508
	25 mph	0.044	0.074361316
2017	0 mph	0.828	0.125406403
	5 mph	0.097	0.125061177
	25 mph	0.042	0.066123718
2018	0 mph	0.822	0.122676517
	5 mph	0.092	0.118613923
	25 mph	0.04	0.065433178
2019	0 mph	0.818	0.120390429
	5 mph	0.087	0.112440181
	25 mph	0.038	0.064473405
2020	0 mph	0.814	0.116801038
	5 mph	0.083	0.098723935
	25 mph	0.036	0.062706523
2021	0 mph	0.811	0.113728567
	5 mph	0.079	0.089569714
	25 mph	0.034	0.061418183
2022	0 mph	0.807	0.111612805
	5 mph	0.076	0.088356133
	25 mph	0.033	0.060783738
2023	0 mph	0.805	0.110180944
	5 mph	0.072	0.087227615
	25 mph	0.031	0.060321099
2024	0 mph	0.804	0.109848495
	5 mph	0.069	0.087366944
	25 mph	0.03	0.06058455
2025	0 mph	0.804	0.109580397
	10 mph	0.065	0.087495276
	25 mph	0.028	0.060842568
2026	0 mph	0.804	0.109344346
	5 mph	0.063	0.08215066
	25 mph	0.027	0.057156333
2027	0 mph	0.804	0.109139762
	5 mph	0.061	0.082077226
	25 mph	0.026	0.057256368
2028	0 mph	0.806	0.108951941
	10 mph	0.058	0.081001809
	25 mph	0.025	0.056637577
2029	0 mph	0.805	0.108791107
	10 mph	0.057	0.080887762
	25 mph	0.025	0.056703329
2030	0 mph	0.805	0.108629001
	10 mph	0.056	0.080796827
	25 mph	0.024	0.056787102

2031	0 mph	0.803	0.108448384
	10 mph	0.055	0.080712227
	25 mph	0.024	0.056886848
2032	0 mph	0.802	0.10834289
	10 mph	0.055	0.080643554
	25 mph	0.024	0.056983571
2033	0 mph	0.801	0.108243598
	10 mph	0.054	0.080547622
	25 mph	0.023	0.057072592
2034	0 mph	0.8	0.108151436
	10 mph	0.052	0.080452729
	25 mph	0.023	0.057159456
2035	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2036	0 mph	0.8	0.108151436
	10 mph	0.052	0.080452729
	25 mph	0.023	0.057159456
2037	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2038	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2039	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2040	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2041	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2042	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2043	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2044	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2045	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2046	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2047	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2048	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2049	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2050	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2051	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2052	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2053	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2054	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2055	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127

2056	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2057	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2058	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2059	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2060	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2061	0 mph	0.797	0.108062483
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	25 mph	0.022	0.057250127
2062	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2063	0 mph	0.797	0.108062483
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2064	0 mph	0.797	0.108062483
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2065	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2066	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2067	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2068	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2069	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2070	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2071	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2072	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2073	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2074	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2075	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2076	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2077	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2078	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2079	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2080	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2081	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2082	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2083	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2084	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2085	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127

Truck Emission Rates					
Source	Two Way Trips Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Travel WM	25	5.42	0.0696	0.38	4.367E-06
Off-Site Truck Travel	25	28.16	0.0406	1.14	1.324E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2011. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

AERMOD MODEL INPUT

WORKERS

AVERAGE EMISSION FACTOR
SCAQMD 2016-2055

Speed	LHD2	HHD
0	0.8029	0.11088
5	0.0601	0.08674
25	0.02600	0.05880

Speed	**Weighted Average Emissions**
0	**0.46879**
5	**0.07296**
25	**0.04183**

Year	Speed	LHD2	HHD
2016	0 mph	0.833	0.147376333
	10 mph	0.101	0.157393508
	25 mph	0.044	0.074361316
2017	0 mph	0.828	0.125406403
	10 mph	0.097	0.125061177
	25 mph	0.042	0.066123718
2018	0 mph	0.822	0.122676517
	10 mph	0.092	0.118613923
	25 mph	0.04	0.065433178
2019	0 mph	0.818	0.120390429
	10 mph	0.087	0.112440181
	25 mph	0.038	0.064473405
2020	0 mph	0.814	0.116801038
	10 mph	0.083	0.098723935
	25 mph	0.036	0.062706523
2021	0 mph	0.811	0.113728567
	10 mph	0.079	0.089569714
	25 mph	0.034	0.061418183
2022	0 mph	0.807	0.111612805
	10 mph	0.076	0.088356133
	25 mph	0.033	0.060783738
2023	0 mph	0.805	0.110180944
	10 mph	0.072	0.087227615
	25 mph	0.031	0.060321099
2024	0 mph	0.804	0.109848495
	10 mph	0.069	0.087366944
	25 mph	0.03	0.06058455
2025	0 mph	0.804	0.109580397
	10 mph	0.065	0.087495276
	25 mph	0.028	0.060842568
2026	0 mph	0.804	0.109344346
	10 mph	0.063	0.08215066
	25 mph	0.027	0.057156333
2027	0 mph	0.804	0.109139762
	10 mph	0.061	0.082077226
	25 mph	0.026	0.057256368
2028	0 mph	0.806	0.108951941
	10 mph	0.058	0.081001809
	25 mph	0.025	0.056637577
2029	0 mph	0.805	0.108791107
	10 mph	0.057	0.080887762
	25 mph	0.025	0.056703329
2030	0 mph	0.805	0.108629001
	10 mph	0.056	0.080796827
	25 mph	0.024	0.056787102
2031	0 mph	0.803	0.108448384
	10 mph	0.055	0.080712227
	25 mph	0.024	0.056886848
2032	0 mph	0.802	0.10834289
	10 mph	0.055	0.080643554
	25 mph	0.024	0.056983571
2033	0 mph	0.801	0.108243598
	10 mph	0.054	0.080547622
	25 mph	0.023	0.057072592
2034	0 mph	0.8	0.108151436
	10 mph	0.052	0.080452729
	25 mph	0.023	0.057159456
2035	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2036	0 mph	0.8	0.108151436
	10 mph	0.052	0.080452729
	25 mph	0.023	0.057159456

2037	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2038	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2039	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2040	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2041	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2042	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2043	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2044	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2045	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2046	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2047	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2048	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2049	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127

2050	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2051	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2052	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2053	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2054	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127
2055	0 mph	0.797	0.108062483
	10 mph	0.051	0.080390446
	25 mph	0.022	0.057250127

Truck Emission Rates					
Source	Two Way Trips Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Travel WM	25	5.42	0.0730	0.40	4.576E-06
Off-Site Truck Travel	25	28.16	0.0418	1.18	1.363E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2011. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

	1 meter =	0.000621 miles
348.8 meters		0.216734 miles
1812.5 meters		1.126235 miles

AERMOD MODEL INPUT

SCHOOLS

AVERAGE EMISSION FACTOR
SCAQMD 2016-2024

Speed	LHD2	HHD
0	0.815778	0.11978
5	0.084	0.10719
25	0.03644	0.06402

Speed	**eighted Average Emissio**
0	**0.47975**
5	**0.09520**
25	**0.04976**

Year	Speed	LHD2	HHD
2016	0 mph	0.833	0.147376333
	10 mph	0.101	0.157393508
	25 mph	0.044	0.074361316
2017	0 mph	0.828	0.125406403
	10 mph	0.097	0.125061177
	25 mph	0.042	0.066123718
2018	0 mph	0.822	0.122676517
	10 mph	0.092	0.118613923
	25 mph	0.04	0.065433178
2019	0 mph	0.818	0.120390429
	10 mph	0.087	0.112440181
	25 mph	0.038	0.064473405
2020	0 mph	0.814	0.116801038
	10 mph	0.083	0.098723935
	25 mph	0.036	0.062706523
2021	0 mph	0.811	0.113728567
	10 mph	0.079	0.089569714
	25 mph	0.034	0.061418183
2022	0 mph	0.807	0.111612805
	10 mph	0.076	0.088356133
	25 mph	0.033	0.060783738
2023	0 mph	0.805	0.110180944
	10 mph	0.072	0.087227615
	25 mph	0.031	0.060321099
2024	0 mph	0.804	0.109848495
	10 mph	0.069	0.087366944
	25 mph	0.03	0.06058455

Truck Emission Rates					
Source	Two Way Trips Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Travel WM	25	5.42	0.0952	0.52	5.970E-06
Off-Site Truck Travel	25	28.16	0.0498	1.40	1.622E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2011. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

	1 meter =	0.000621 miles
348.8 meters		0.216734 miles
1812.5 meters		1.126235 miles

AERMOD MODEL OUTPUT

RESIDENTIAL

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.2.0
** Lakes Environmental Software Inc.
** Date: 2/19/2014
** File: U:\UcJobs\_08100-08500\_08300\08344\AERMOD\08344_El Monte
Walmart\08344_El Monte Walmart.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\08344_El Monte Walmart\08344_El Monte
Walmart\0
   MODELOPT CONC FLAT  FASTALL
   AVERTIME ANNUAL
   URBANOPT 9862049
   POLLUTID OTHER
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "08344_El Monte Walmart.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      403888.070  3771181.040          0.0
** DESCRSRC Walmart Truck Dock 1
   LOCATION STCK2        POINT      403873.369  3771109.214          0.0
** DESCRSRC Walmart Truck Dock 2
   LOCATION STCK3        POINT      403790.140  3771174.010          0.0
** DESCRSRC Walmart Food Cooking (Facility Type 3)
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site Travel WM
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 4.367E-06
** Vertical Dimension = 1.83
** SZINIT = 0.85
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** Nodes = 18
** 403865.06, 3770930.13, 0.00, 0.00, 1.70
** 403878.22, 3771019.40, 0.00, 0.00, 1.70
** 403888.28, 3771041.85, 0.00, 0.00, 1.70
** 403892.41, 3771048.56, 0.00, 0.00, 1.70
** 403895.51, 3771062.75, 0.00, 0.00, 1.70
** 403927.76, 3771220.92, 0.00, 0.00, 1.70
** 403930.60, 3771236.66, 0.00, 0.00, 1.70
** 403930.60, 3771241.04, 0.00, 0.00, 1.70
** 403929.57, 3771243.37, 0.00, 0.00, 1.70
** 403927.50, 3771244.40, 0.00, 0.00, 1.70
** 403925.96, 3771245.43, 0.00, 0.00, 1.70
** 403923.38, 3771247.24, 0.00, 0.00, 1.70
** 403918.73, 3771247.49, 0.00, 0.00, 1.70
** 403915.63, 3771246.46, 0.00, 0.00, 1.70
** 403913.83, 3771244.66, 0.00, 0.00, 1.70
** 403912.54, 3771242.33, 0.00, 0.00, 1.70
** 403910.73, 3771239.75, 0.00, 0.00, 1.70
** 403910.47, 3771236.14, 0.00, 0.00, 1.70
** ----------------------------------------------------------------------
   LOCATION L0000632     VOLUME   403865.329 3770931.935 0.0
   LOCATION L0000633     VOLUME   403865.863 3770935.556 0.0
   LOCATION L0000634     VOLUME   403866.396 3770939.177 0.0
   LOCATION L0000635     VOLUME   403866.930 3770942.798 0.0
   LOCATION L0000636     VOLUME   403867.464 3770946.419 0.0
   LOCATION L0000637     VOLUME   403867.997 3770950.040 0.0
   LOCATION L0000638     VOLUME   403868.531 3770953.661 0.0
   LOCATION L0000639     VOLUME   403869.065 3770957.282 0.0
   LOCATION L0000640     VOLUME   403869.599 3770960.902 0.0
   LOCATION L0000641     VOLUME   403870.132 3770964.523 0.0
   LOCATION L0000642     VOLUME   403870.666 3770968.144 0.0
   LOCATION L0000643     VOLUME   403871.200 3770971.765 0.0
   LOCATION L0000644     VOLUME   403871.733 3770975.386 0.0
   LOCATION L0000645     VOLUME   403872.267 3770979.007 0.0
   LOCATION L0000646     VOLUME   403872.801 3770982.628 0.0
   LOCATION L0000647     VOLUME   403873.335 3770986.249 0.0
   LOCATION L0000648     VOLUME   403873.868 3770989.869 0.0
   LOCATION L0000649     VOLUME   403874.402 3770993.490 0.0
   LOCATION L0000650     VOLUME   403874.936 3770997.111 0.0
   LOCATION L0000651     VOLUME   403875.469 3771000.732 0.0
   LOCATION L0000652     VOLUME   403876.003 3771004.353 0.0
   LOCATION L0000653     VOLUME   403876.537 3771007.974 0.0
   LOCATION L0000654     VOLUME   403877.071 3771011.595 0.0
   LOCATION L0000655     VOLUME   403877.604 3771015.216 0.0
   LOCATION L0000656     VOLUME   403878.138 3771018.837 0.0
   LOCATION L0000657     VOLUME   403879.485 3771022.220 0.0
   LOCATION L0000658     VOLUME   403880.982 3771025.560 0.0
   LOCATION L0000659     VOLUME   403882.479 3771028.900 0.0
   LOCATION L0000660     VOLUME   403883.976 3771032.239 0.0
   LOCATION L0000661     VOLUME   403885.473 3771035.579 0.0
   LOCATION L0000662     VOLUME   403886.971 3771038.919 0.0
   LOCATION L0000663     VOLUME   403888.519 3771042.232 0.0
   LOCATION L0000664     VOLUME   403890.438 3771045.349 0.0
   LOCATION L0000665     VOLUME   403892.356 3771048.466 0.0
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LOCATION	L0000666	VOLUME	403893.170	3771052.028	0.0
LOCATION	L0000667	VOLUME	403893.950	3771055.604	0.0
LOCATION	L0000668	VOLUME	403894.730	3771059.180	0.0
LOCATION	L0000669	VOLUME	403895.510	3771062.756	0.0
LOCATION	L0000670	VOLUME	403896.241	3771066.342	0.0
LOCATION	L0000671	VOLUME	403896.973	3771069.928	0.0
LOCATION	L0000672	VOLUME	403897.704	3771073.514	0.0
LOCATION	L0000673	VOLUME	403898.435	3771077.100	0.0
LOCATION	L0000674	VOLUME	403899.167	3771080.687	0.0
LOCATION	L0000675	VOLUME	403899.898	3771084.273	0.0
LOCATION	L0000676	VOLUME	403900.629	3771087.859	0.0
LOCATION	L0000677	VOLUME	403901.360	3771091.445	0.0
LOCATION	L0000678	VOLUME	403902.092	3771095.031	0.0
LOCATION	L0000679	VOLUME	403902.823	3771098.618	0.0
LOCATION	L0000680	VOLUME	403903.554	3771102.204	0.0
LOCATION	L0000681	VOLUME	403904.285	3771105.790	0.0
LOCATION	L0000682	VOLUME	403905.017	3771109.376	0.0
LOCATION	L0000683	VOLUME	403905.748	3771112.962	0.0
LOCATION	L0000684	VOLUME	403906.479	3771116.549	0.0
LOCATION	L0000685	VOLUME	403907.211	3771120.135	0.0
LOCATION	L0000686	VOLUME	403907.942	3771123.721	0.0
LOCATION	L0000687	VOLUME	403908.673	3771127.307	0.0
LOCATION	L0000688	VOLUME	403909.404	3771130.893	0.0
LOCATION	L0000689	VOLUME	403910.136	3771134.480	0.0
LOCATION	L0000690	VOLUME	403910.867	3771138.066	0.0
LOCATION	L0000691	VOLUME	403911.598	3771141.652	0.0
LOCATION	L0000692	VOLUME	403912.330	3771145.238	0.0
LOCATION	L0000693	VOLUME	403913.061	3771148.824	0.0
LOCATION	L0000694	VOLUME	403913.792	3771152.411	0.0
LOCATION	L0000695	VOLUME	403914.523	3771155.997	0.0
LOCATION	L0000696	VOLUME	403915.255	3771159.583	0.0
LOCATION	L0000697	VOLUME	403915.986	3771163.169	0.0
LOCATION	L0000698	VOLUME	403916.717	3771166.755	0.0
LOCATION	L0000699	VOLUME	403917.449	3771170.342	0.0
LOCATION	L0000700	VOLUME	403918.180	3771173.928	0.0
LOCATION	L0000701	VOLUME	403918.911	3771177.514	0.0
LOCATION	L0000702	VOLUME	403919.642	3771181.100	0.0
LOCATION	L0000703	VOLUME	403920.374	3771184.686	0.0
LOCATION	L0000704	VOLUME	403921.105	3771188.273	0.0
LOCATION	L0000705	VOLUME	403921.836	3771191.859	0.0
LOCATION	L0000706	VOLUME	403922.567	3771195.445	0.0
LOCATION	L0000707	VOLUME	403923.299	3771199.031	0.0
LOCATION	L0000708	VOLUME	403924.030	3771202.617	0.0
LOCATION	L0000709	VOLUME	403924.761	3771206.204	0.0
LOCATION	L0000710	VOLUME	403925.493	3771209.790	0.0
LOCATION	L0000711	VOLUME	403926.224	3771213.376	0.0
LOCATION	L0000712	VOLUME	403926.955	3771216.962	0.0
LOCATION	L0000713	VOLUME	403927.686	3771220.548	0.0
LOCATION	L0000714	VOLUME	403928.344	3771224.149	0.0
LOCATION	L0000715	VOLUME	403928.994	3771227.751	0.0
LOCATION	L0000716	VOLUME	403929.643	3771231.353	0.0
LOCATION	L0000717	VOLUME	403930.293	3771234.954	0.0
LOCATION	L0000718	VOLUME	403930.600	3771238.587	0.0
LOCATION	L0000719	VOLUME	403930.111	3771242.143	0.0

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   LOCATION L0000720     VOLUME   403927.492 3771244.406 0.0
   LOCATION L0000721     VOLUME   403924.470 3771246.470 0.0
   LOCATION L0000722     VOLUME   403921.055 3771247.365 0.0
   LOCATION L0000723     VOLUME   403917.467 3771247.073 0.0
   LOCATION L0000724     VOLUME   403914.412 3771245.240 0.0
   LOCATION L0000725     VOLUME   403912.437 3771242.188 0.0
   LOCATION L0000726     VOLUME   403910.683 3771239.067 0.0
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Off-Site Truck Travel
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 0.00001324
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 18
** 403864.43, 3770923.82, 0.00, 0.00, 0.00
** 403863.44, 3770922.30, 0.00, 0.00, 1.70
** 403860.66, 3770921.53, 0.00, 0.00, 1.70
** 403689.91, 3770930.94, 0.00, 0.00, 1.70
** 403630.84, 3770935.56, 0.00, 0.00, 1.70
** 403594.28, 3770940.19, 0.00, 0.00, 1.70
** 403528.57, 3770954.85, 0.00, 0.00, 1.70
** 403490.01, 3770966.72, 0.00, 0.00, 1.70
** 403434.79, 3770986.31, 0.00, 0.00, 1.70
** 403329.28, 3771032.43, 0.00, 0.00, 1.70
** 402936.22, 3771230.47, 0.00, 0.00, 1.70
** 402916.08, 3771165.18, 0.00, 0.00, 1.70
** 402871.86, 3771016.55, 0.00, 0.00, 1.70
** 402856.49, 3770952.42, 0.00, 0.00, 1.70
** 402852.94, 3770914.59, 0.00, 0.00, 1.70
** 402852.06, 3770885.33, 0.00, 0.00, 1.70
** 402852.65, 3770690.58, 0.00, 0.00, 1.70
** 402857.67, 3770422.82, 0.00, 0.00, 1.70
** ----------------------------------------------------------------------
   LOCATION L0000727     VOLUME   403863.425 3770922.295 0.0
   LOCATION L0000728     VOLUME   403859.871 3770921.572 0.0
   LOCATION L0000729     VOLUME   403856.216 3770921.773 0.0
   LOCATION L0000730     VOLUME   403852.562 3770921.975 0.0
   LOCATION L0000731     VOLUME   403848.907 3770922.176 0.0
   LOCATION L0000732     VOLUME   403845.253 3770922.377 0.0
   LOCATION L0000733     VOLUME   403841.598 3770922.579 0.0
   LOCATION L0000734     VOLUME   403837.944 3770922.780 0.0
   LOCATION L0000735     VOLUME   403834.290 3770922.982 0.0
   LOCATION L0000736     VOLUME   403830.635 3770923.183 0.0
   LOCATION L0000737     VOLUME   403826.981 3770923.384 0.0
   LOCATION L0000738     VOLUME   403823.326 3770923.586 0.0
   LOCATION L0000739     VOLUME   403819.672 3770923.787 0.0
   LOCATION L0000740     VOLUME   403816.017 3770923.988 0.0
   LOCATION L0000741     VOLUME   403812.363 3770924.190 0.0
   LOCATION L0000742     VOLUME   403808.708 3770924.391 0.0
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LOCATION	L0000743	VOLUME	403805.054	3770924.593	0.0
LOCATION	L0000744	VOLUME	403801.399	3770924.794	0.0
LOCATION	L0000745	VOLUME	403797.745	3770924.995	0.0
LOCATION	L0000746	VOLUME	403794.091	3770925.197	0.0
LOCATION	L0000747	VOLUME	403790.436	3770925.398	0.0
LOCATION	L0000748	VOLUME	403786.782	3770925.599	0.0
LOCATION	L0000749	VOLUME	403783.127	3770925.801	0.0
LOCATION	L0000750	VOLUME	403779.473	3770926.002	0.0
LOCATION	L0000751	VOLUME	403775.818	3770926.204	0.0
LOCATION	L0000752	VOLUME	403772.164	3770926.405	0.0
LOCATION	L0000753	VOLUME	403768.509	3770926.606	0.0
LOCATION	L0000754	VOLUME	403764.855	3770926.808	0.0
LOCATION	L0000755	VOLUME	403761.200	3770927.009	0.0
LOCATION	L0000756	VOLUME	403757.546	3770927.210	0.0
LOCATION	L0000757	VOLUME	403753.891	3770927.412	0.0
LOCATION	L0000758	VOLUME	403750.237	3770927.613	0.0
LOCATION	L0000759	VOLUME	403746.583	3770927.815	0.0
LOCATION	L0000760	VOLUME	403742.928	3770928.016	0.0
LOCATION	L0000761	VOLUME	403739.274	3770928.217	0.0
LOCATION	L0000762	VOLUME	403735.619	3770928.419	0.0
LOCATION	L0000763	VOLUME	403731.965	3770928.620	0.0
LOCATION	L0000764	VOLUME	403728.310	3770928.821	0.0
LOCATION	L0000765	VOLUME	403724.656	3770929.023	0.0
LOCATION	L0000766	VOLUME	403721.001	3770929.224	0.0
LOCATION	L0000767	VOLUME	403717.347	3770929.426	0.0
LOCATION	L0000768	VOLUME	403713.692	3770929.627	0.0
LOCATION	L0000769	VOLUME	403710.038	3770929.828	0.0
LOCATION	L0000770	VOLUME	403706.384	3770930.030	0.0
LOCATION	L0000771	VOLUME	403702.729	3770930.231	0.0
LOCATION	L0000772	VOLUME	403699.075	3770930.432	0.0
LOCATION	L0000773	VOLUME	403695.420	3770930.634	0.0
LOCATION	L0000774	VOLUME	403691.766	3770930.835	0.0
LOCATION	L0000775	VOLUME	403688.114	3770931.078	0.0
LOCATION	L0000776	VOLUME	403684.465	3770931.364	0.0
LOCATION	L0000777	VOLUME	403680.816	3770931.650	0.0
LOCATION	L0000778	VOLUME	403677.168	3770931.936	0.0
LOCATION	L0000779	VOLUME	403673.519	3770932.221	0.0
LOCATION	L0000780	VOLUME	403669.870	3770932.507	0.0
LOCATION	L0000781	VOLUME	403666.221	3770932.793	0.0
LOCATION	L0000782	VOLUME	403662.572	3770933.079	0.0
LOCATION	L0000783	VOLUME	403658.923	3770933.365	0.0
LOCATION	L0000784	VOLUME	403655.275	3770933.650	0.0
LOCATION	L0000785	VOLUME	403651.626	3770933.936	0.0
LOCATION	L0000786	VOLUME	403647.977	3770934.222	0.0
LOCATION	L0000787	VOLUME	403644.328	3770934.508	0.0
LOCATION	L0000788	VOLUME	403640.679	3770934.794	0.0
LOCATION	L0000789	VOLUME	403637.031	3770935.080	0.0
LOCATION	L0000790	VOLUME	403633.382	3770935.365	0.0
LOCATION	L0000791	VOLUME	403629.738	3770935.704	0.0
LOCATION	L0000792	VOLUME	403626.107	3770936.163	0.0
LOCATION	L0000793	VOLUME	403622.476	3770936.623	0.0
LOCATION	L0000794	VOLUME	403618.845	3770937.083	0.0
LOCATION	L0000795	VOLUME	403615.214	3770937.542	0.0
LOCATION	L0000796	VOLUME	403611.583	3770938.002	0.0

LOCATION	L0000797	VOLUME	403607.952	3770938.461	0.0
LOCATION	L0000798	VOLUME	403604.321	3770938.921	0.0
LOCATION	L0000799	VOLUME	403600.690	3770939.381	0.0
LOCATION	L0000800	VOLUME	403597.059	3770939.840	0.0
LOCATION	L0000801	VOLUME	403593.442	3770940.379	0.0
LOCATION	L0000802	VOLUME	403589.870	3770941.176	0.0
LOCATION	L0000803	VOLUME	403586.297	3770941.972	0.0
LOCATION	L0000804	VOLUME	403582.725	3770942.769	0.0
LOCATION	L0000805	VOLUME	403579.153	3770943.566	0.0
LOCATION	L0000806	VOLUME	403575.581	3770944.362	0.0
LOCATION	L0000807	VOLUME	403572.008	3770945.159	0.0
LOCATION	L0000808	VOLUME	403568.436	3770945.955	0.0
LOCATION	L0000809	VOLUME	403564.864	3770946.752	0.0
LOCATION	L0000810	VOLUME	403561.292	3770947.549	0.0
LOCATION	L0000811	VOLUME	403557.719	3770948.345	0.0
LOCATION	L0000812	VOLUME	403554.147	3770949.142	0.0
LOCATION	L0000813	VOLUME	403550.575	3770949.939	0.0
LOCATION	L0000814	VOLUME	403547.003	3770950.735	0.0
LOCATION	L0000815	VOLUME	403543.430	3770951.532	0.0
LOCATION	L0000816	VOLUME	403539.858	3770952.329	0.0
LOCATION	L0000817	VOLUME	403536.286	3770953.125	0.0
LOCATION	L0000818	VOLUME	403532.714	3770953.922	0.0
LOCATION	L0000819	VOLUME	403529.141	3770954.718	0.0
LOCATION	L0000820	VOLUME	403525.632	3770955.751	0.0
LOCATION	L0000821	VOLUME	403522.134	3770956.828	0.0
LOCATION	L0000822	VOLUME	403518.636	3770957.906	0.0
LOCATION	L0000823	VOLUME	403515.138	3770958.983	0.0
LOCATION	L0000824	VOLUME	403511.640	3770960.060	0.0
LOCATION	L0000825	VOLUME	403508.142	3770961.138	0.0
LOCATION	L0000826	VOLUME	403504.644	3770962.215	0.0
LOCATION	L0000827	VOLUME	403501.147	3770963.292	0.0
LOCATION	L0000828	VOLUME	403497.649	3770964.370	0.0
LOCATION	L0000829	VOLUME	403494.151	3770965.447	0.0
LOCATION	L0000830	VOLUME	403490.653	3770966.524	0.0
LOCATION	L0000831	VOLUME	403487.195	3770967.721	0.0
LOCATION	L0000832	VOLUME	403483.745	3770968.945	0.0
LOCATION	L0000833	VOLUME	403480.296	3770970.168	0.0
LOCATION	L0000834	VOLUME	403476.847	3770971.392	0.0
LOCATION	L0000835	VOLUME	403473.397	3770972.616	0.0
LOCATION	L0000836	VOLUME	403469.948	3770973.839	0.0
LOCATION	L0000837	VOLUME	403466.498	3770975.063	0.0
LOCATION	L0000838	VOLUME	403463.049	3770976.287	0.0
LOCATION	L0000839	VOLUME	403459.600	3770977.510	0.0
LOCATION	L0000840	VOLUME	403456.150	3770978.734	0.0
LOCATION	L0000841	VOLUME	403452.701	3770979.958	0.0
LOCATION	L0000842	VOLUME	403449.252	3770981.181	0.0
LOCATION	L0000843	VOLUME	403445.802	3770982.405	0.0
LOCATION	L0000844	VOLUME	403442.353	3770983.629	0.0
LOCATION	L0000845	VOLUME	403438.903	3770984.852	0.0
LOCATION	L0000846	VOLUME	403435.454	3770986.076	0.0
LOCATION	L0000847	VOLUME	403432.082	3770987.495	0.0
LOCATION	L0000848	VOLUME	403428.728	3770988.961	0.0
LOCATION	L0000849	VOLUME	403425.375	3770990.427	0.0
LOCATION	L0000850	VOLUME	403422.021	3770991.893	0.0

LOCATION	L0000851	VOLUME	403418.668	3770993.359	0.0
LOCATION	L0000852	VOLUME	403415.314	3770994.825	0.0
LOCATION	L0000853	VOLUME	403411.960	3770996.291	0.0
LOCATION	L0000854	VOLUME	403408.607	3770997.757	0.0
LOCATION	L0000855	VOLUME	403405.253	3770999.223	0.0
LOCATION	L0000856	VOLUME	403401.900	3771000.689	0.0
LOCATION	L0000857	VOLUME	403398.546	3771002.155	0.0
LOCATION	L0000858	VOLUME	403395.193	3771003.621	0.0
LOCATION	L0000859	VOLUME	403391.839	3771005.087	0.0
LOCATION	L0000860	VOLUME	403388.485	3771006.553	0.0
LOCATION	L0000861	VOLUME	403385.132	3771008.019	0.0
LOCATION	L0000862	VOLUME	403381.778	3771009.485	0.0
LOCATION	L0000863	VOLUME	403378.425	3771010.951	0.0
LOCATION	L0000864	VOLUME	403375.071	3771012.417	0.0
LOCATION	L0000865	VOLUME	403371.717	3771013.883	0.0
LOCATION	L0000866	VOLUME	403368.364	3771015.349	0.0
LOCATION	L0000867	VOLUME	403365.010	3771016.815	0.0
LOCATION	L0000868	VOLUME	403361.657	3771018.281	0.0
LOCATION	L0000869	VOLUME	403358.303	3771019.747	0.0
LOCATION	L0000870	VOLUME	403354.949	3771021.213	0.0
LOCATION	L0000871	VOLUME	403351.596	3771022.679	0.0
LOCATION	L0000872	VOLUME	403348.242	3771024.144	0.0
LOCATION	L0000873	VOLUME	403344.889	3771025.610	0.0
LOCATION	L0000874	VOLUME	403341.535	3771027.076	0.0
LOCATION	L0000875	VOLUME	403338.182	3771028.542	0.0
LOCATION	L0000876	VOLUME	403334.828	3771030.008	0.0
LOCATION	L0000877	VOLUME	403331.474	3771031.474	0.0
LOCATION	L0000878	VOLUME	403328.150	3771033.003	0.0
LOCATION	L0000879	VOLUME	403324.882	3771034.650	0.0
LOCATION	L0000880	VOLUME	403321.613	3771036.297	0.0
LOCATION	L0000881	VOLUME	403318.345	3771037.944	0.0
LOCATION	L0000882	VOLUME	403315.076	3771039.590	0.0
LOCATION	L0000883	VOLUME	403311.807	3771041.237	0.0
LOCATION	L0000884	VOLUME	403308.539	3771042.884	0.0
LOCATION	L0000885	VOLUME	403305.270	3771044.531	0.0
LOCATION	L0000886	VOLUME	403302.002	3771046.178	0.0
LOCATION	L0000887	VOLUME	403298.733	3771047.824	0.0
LOCATION	L0000888	VOLUME	403295.465	3771049.471	0.0
LOCATION	L0000889	VOLUME	403292.196	3771051.118	0.0
LOCATION	L0000890	VOLUME	403288.927	3771052.765	0.0
LOCATION	L0000891	VOLUME	403285.659	3771054.412	0.0
LOCATION	L0000892	VOLUME	403282.390	3771056.059	0.0
LOCATION	L0000893	VOLUME	403279.122	3771057.705	0.0
LOCATION	L0000894	VOLUME	403275.853	3771059.352	0.0
LOCATION	L0000895	VOLUME	403272.585	3771060.999	0.0
LOCATION	L0000896	VOLUME	403269.316	3771062.646	0.0
LOCATION	L0000897	VOLUME	403266.047	3771064.293	0.0
LOCATION	L0000898	VOLUME	403262.779	3771065.940	0.0
LOCATION	L0000899	VOLUME	403259.510	3771067.586	0.0
LOCATION	L0000900	VOLUME	403256.242	3771069.233	0.0
LOCATION	L0000901	VOLUME	403252.973	3771070.880	0.0
LOCATION	L0000902	VOLUME	403249.705	3771072.527	0.0
LOCATION	L0000903	VOLUME	403246.436	3771074.174	0.0
LOCATION	L0000904	VOLUME	403243.167	3771075.821	0.0

LOCATION	L0000905	VOLUME	403239.899	3771077.467	0.0
LOCATION	L0000906	VOLUME	403236.630	3771079.114	0.0
LOCATION	L0000907	VOLUME	403233.362	3771080.761	0.0
LOCATION	L0000908	VOLUME	403230.093	3771082.408	0.0
LOCATION	L0000909	VOLUME	403226.825	3771084.055	0.0
LOCATION	L0000910	VOLUME	403223.556	3771085.702	0.0
LOCATION	L0000911	VOLUME	403220.287	3771087.348	0.0
LOCATION	L0000912	VOLUME	403217.019	3771088.995	0.0
LOCATION	L0000913	VOLUME	403213.750	3771090.642	0.0
LOCATION	L0000914	VOLUME	403210.482	3771092.289	0.0
LOCATION	L0000915	VOLUME	403207.213	3771093.936	0.0
LOCATION	L0000916	VOLUME	403203.945	3771095.582	0.0
LOCATION	L0000917	VOLUME	403200.676	3771097.229	0.0
LOCATION	L0000918	VOLUME	403197.407	3771098.876	0.0
LOCATION	L0000919	VOLUME	403194.139	3771100.523	0.0
LOCATION	L0000920	VOLUME	403190.870	3771102.170	0.0
LOCATION	L0000921	VOLUME	403187.602	3771103.817	0.0
LOCATION	L0000922	VOLUME	403184.333	3771105.463	0.0
LOCATION	L0000923	VOLUME	403181.065	3771107.110	0.0
LOCATION	L0000924	VOLUME	403177.796	3771108.757	0.0
LOCATION	L0000925	VOLUME	403174.527	3771110.404	0.0
LOCATION	L0000926	VOLUME	403171.259	3771112.051	0.0
LOCATION	L0000927	VOLUME	403167.990	3771113.698	0.0
LOCATION	L0000928	VOLUME	403164.722	3771115.344	0.0
LOCATION	L0000929	VOLUME	403161.453	3771116.991	0.0
LOCATION	L0000930	VOLUME	403158.185	3771118.638	0.0
LOCATION	L0000931	VOLUME	403154.916	3771120.285	0.0
LOCATION	L0000932	VOLUME	403151.647	3771121.932	0.0
LOCATION	L0000933	VOLUME	403148.379	3771123.579	0.0
LOCATION	L0000934	VOLUME	403145.110	3771125.225	0.0
LOCATION	L0000935	VOLUME	403141.842	3771126.872	0.0
LOCATION	L0000936	VOLUME	403138.573	3771128.519	0.0
LOCATION	L0000937	VOLUME	403135.305	3771130.166	0.0
LOCATION	L0000938	VOLUME	403132.036	3771131.813	0.0
LOCATION	L0000939	VOLUME	403128.767	3771133.460	0.0
LOCATION	L0000940	VOLUME	403125.499	3771135.106	0.0
LOCATION	L0000941	VOLUME	403122.230	3771136.753	0.0
LOCATION	L0000942	VOLUME	403118.962	3771138.400	0.0
LOCATION	L0000943	VOLUME	403115.693	3771140.047	0.0
LOCATION	L0000944	VOLUME	403112.425	3771141.694	0.0
LOCATION	L0000945	VOLUME	403109.156	3771143.340	0.0
LOCATION	L0000946	VOLUME	403105.887	3771144.987	0.0
LOCATION	L0000947	VOLUME	403102.619	3771146.634	0.0
LOCATION	L0000948	VOLUME	403099.350	3771148.281	0.0
LOCATION	L0000949	VOLUME	403096.082	3771149.928	0.0
LOCATION	L0000950	VOLUME	403092.813	3771151.575	0.0
LOCATION	L0000951	VOLUME	403089.545	3771153.221	0.0
LOCATION	L0000952	VOLUME	403086.276	3771154.868	0.0
LOCATION	L0000953	VOLUME	403083.007	3771156.515	0.0
LOCATION	L0000954	VOLUME	403079.739	3771158.162	0.0
LOCATION	L0000955	VOLUME	403076.470	3771159.809	0.0
LOCATION	L0000956	VOLUME	403073.202	3771161.456	0.0
LOCATION	L0000957	VOLUME	403069.933	3771163.102	0.0
LOCATION	L0000958	VOLUME	403066.665	3771164.749	0.0

LOCATION	L0000959	VOLUME	403063.396	3771166.396	0.0
LOCATION	L0000960	VOLUME	403060.127	3771168.043	0.0
LOCATION	L0000961	VOLUME	403056.859	3771169.690	0.0
LOCATION	L0000962	VOLUME	403053.590	3771171.337	0.0
LOCATION	L0000963	VOLUME	403050.322	3771172.983	0.0
LOCATION	L0000964	VOLUME	403047.053	3771174.630	0.0
LOCATION	L0000965	VOLUME	403043.785	3771176.277	0.0
LOCATION	L0000966	VOLUME	403040.516	3771177.924	0.0
LOCATION	L0000967	VOLUME	403037.247	3771179.571	0.0
LOCATION	L0000968	VOLUME	403033.979	3771181.218	0.0
LOCATION	L0000969	VOLUME	403030.710	3771182.864	0.0
LOCATION	L0000970	VOLUME	403027.442	3771184.511	0.0
LOCATION	L0000971	VOLUME	403024.173	3771186.158	0.0
LOCATION	L0000972	VOLUME	403020.905	3771187.805	0.0
LOCATION	L0000973	VOLUME	403017.636	3771189.452	0.0
LOCATION	L0000974	VOLUME	403014.367	3771191.098	0.0
LOCATION	L0000975	VOLUME	403011.099	3771192.745	0.0
LOCATION	L0000976	VOLUME	403007.830	3771194.392	0.0
LOCATION	L0000977	VOLUME	403004.562	3771196.039	0.0
LOCATION	L0000978	VOLUME	403001.293	3771197.686	0.0
LOCATION	L0000979	VOLUME	402998.025	3771199.333	0.0
LOCATION	L0000980	VOLUME	402994.756	3771200.979	0.0
LOCATION	L0000981	VOLUME	402991.487	3771202.626	0.0
LOCATION	L0000982	VOLUME	402988.219	3771204.273	0.0
LOCATION	L0000983	VOLUME	402984.950	3771205.920	0.0
LOCATION	L0000984	VOLUME	402981.682	3771207.567	0.0
LOCATION	L0000985	VOLUME	402978.413	3771209.214	0.0
LOCATION	L0000986	VOLUME	402975.145	3771210.860	0.0
LOCATION	L0000987	VOLUME	402971.876	3771212.507	0.0
LOCATION	L0000988	VOLUME	402968.607	3771214.154	0.0
LOCATION	L0000989	VOLUME	402965.339	3771215.801	0.0
LOCATION	L0000990	VOLUME	402962.070	3771217.448	0.0
LOCATION	L0000991	VOLUME	402958.802	3771219.095	0.0
LOCATION	L0000992	VOLUME	402955.533	3771220.741	0.0
LOCATION	L0000993	VOLUME	402952.265	3771222.388	0.0
LOCATION	L0000994	VOLUME	402948.996	3771224.035	0.0
LOCATION	L0000995	VOLUME	402945.727	3771225.682	0.0
LOCATION	L0000996	VOLUME	402942.459	3771227.329	0.0
LOCATION	L0000997	VOLUME	402939.190	3771228.976	0.0
LOCATION	L0000998	VOLUME	402936.121	3771230.153	0.0
LOCATION	L0000999	VOLUME	402935.043	3771226.656	0.0
LOCATION	L0001000	VOLUME	402933.964	3771223.158	0.0
LOCATION	L0001001	VOLUME	402932.885	3771219.661	0.0
LOCATION	L0001002	VOLUME	402931.806	3771216.164	0.0
LOCATION	L0001003	VOLUME	402930.727	3771212.666	0.0
LOCATION	L0001004	VOLUME	402929.648	3771209.169	0.0
LOCATION	L0001005	VOLUME	402928.570	3771205.671	0.0
LOCATION	L0001006	VOLUME	402927.491	3771202.174	0.0
LOCATION	L0001007	VOLUME	402926.412	3771198.677	0.0
LOCATION	L0001008	VOLUME	402925.333	3771195.179	0.0
LOCATION	L0001009	VOLUME	402924.254	3771191.682	0.0
LOCATION	L0001010	VOLUME	402923.175	3771188.185	0.0
LOCATION	L0001011	VOLUME	402922.097	3771184.687	0.0
LOCATION	L0001012	VOLUME	402921.018	3771181.190	0.0

LOCATION	L0001013	VOLUME	402919.939	3771177.692	0.0
LOCATION	L0001014	VOLUME	402918.860	3771174.195	0.0
LOCATION	L0001015	VOLUME	402917.781	3771170.698	0.0
LOCATION	L0001016	VOLUME	402916.702	3771167.200	0.0
LOCATION	L0001017	VOLUME	402915.638	3771163.698	0.0
LOCATION	L0001018	VOLUME	402914.595	3771160.190	0.0
LOCATION	L0001019	VOLUME	402913.551	3771156.682	0.0
LOCATION	L0001020	VOLUME	402912.507	3771153.174	0.0
LOCATION	L0001021	VOLUME	402911.463	3771149.666	0.0
LOCATION	L0001022	VOLUME	402910.420	3771146.158	0.0
LOCATION	L0001023	VOLUME	402909.376	3771142.650	0.0
LOCATION	L0001024	VOLUME	402908.332	3771139.142	0.0
LOCATION	L0001025	VOLUME	402907.288	3771135.634	0.0
LOCATION	L0001026	VOLUME	402906.244	3771132.126	0.0
LOCATION	L0001027	VOLUME	402905.201	3771128.618	0.0
LOCATION	L0001028	VOLUME	402904.157	3771125.110	0.0
LOCATION	L0001029	VOLUME	402903.113	3771121.602	0.0
LOCATION	L0001030	VOLUME	402902.069	3771118.094	0.0
LOCATION	L0001031	VOLUME	402901.026	3771114.586	0.0
LOCATION	L0001032	VOLUME	402899.982	3771111.078	0.0
LOCATION	L0001033	VOLUME	402898.938	3771107.570	0.0
LOCATION	L0001034	VOLUME	402897.894	3771104.062	0.0
LOCATION	L0001035	VOLUME	402896.850	3771100.554	0.0
LOCATION	L0001036	VOLUME	402895.807	3771097.046	0.0
LOCATION	L0001037	VOLUME	402894.763	3771093.538	0.0
LOCATION	L0001038	VOLUME	402893.719	3771090.030	0.0
LOCATION	L0001039	VOLUME	402892.675	3771086.522	0.0
LOCATION	L0001040	VOLUME	402891.632	3771083.014	0.0
LOCATION	L0001041	VOLUME	402890.588	3771079.506	0.0
LOCATION	L0001042	VOLUME	402889.544	3771075.998	0.0
LOCATION	L0001043	VOLUME	402888.500	3771072.490	0.0
LOCATION	L0001044	VOLUME	402887.457	3771068.982	0.0
LOCATION	L0001045	VOLUME	402886.413	3771065.474	0.0
LOCATION	L0001046	VOLUME	402885.369	3771061.966	0.0
LOCATION	L0001047	VOLUME	402884.325	3771058.458	0.0
LOCATION	L0001048	VOLUME	402883.281	3771054.950	0.0
LOCATION	L0001049	VOLUME	402882.238	3771051.442	0.0
LOCATION	L0001050	VOLUME	402881.194	3771047.934	0.0
LOCATION	L0001051	VOLUME	402880.150	3771044.426	0.0
LOCATION	L0001052	VOLUME	402879.106	3771040.918	0.0
LOCATION	L0001053	VOLUME	402878.063	3771037.410	0.0
LOCATION	L0001054	VOLUME	402877.019	3771033.902	0.0
LOCATION	L0001055	VOLUME	402875.975	3771030.394	0.0
LOCATION	L0001056	VOLUME	402874.931	3771026.886	0.0
LOCATION	L0001057	VOLUME	402873.888	3771023.378	0.0
LOCATION	L0001058	VOLUME	402872.844	3771019.870	0.0
LOCATION	L0001059	VOLUME	402871.810	3771016.359	0.0
LOCATION	L0001060	VOLUME	402870.958	3771012.800	0.0
LOCATION	L0001061	VOLUME	402870.105	3771009.241	0.0
LOCATION	L0001062	VOLUME	402869.252	3771005.681	0.0
LOCATION	L0001063	VOLUME	402868.399	3771002.122	0.0
LOCATION	L0001064	VOLUME	402867.546	3770998.563	0.0
LOCATION	L0001065	VOLUME	402866.693	3770995.004	0.0
LOCATION	L0001066	VOLUME	402865.840	3770991.444	0.0

LOCATION	L0001067	VOLUME	402864.987	3770987.885	0.0
LOCATION	L0001068	VOLUME	402864.134	3770984.326	0.0
LOCATION	L0001069	VOLUME	402863.281	3770980.767	0.0
LOCATION	L0001070	VOLUME	402862.428	3770977.207	0.0
LOCATION	L0001071	VOLUME	402861.576	3770973.648	0.0
LOCATION	L0001072	VOLUME	402860.723	3770970.089	0.0
LOCATION	L0001073	VOLUME	402859.870	3770966.530	0.0
LOCATION	L0001074	VOLUME	402859.017	3770962.971	0.0
LOCATION	L0001075	VOLUME	402858.164	3770959.411	0.0
LOCATION	L0001076	VOLUME	402857.311	3770955.852	0.0
LOCATION	L0001077	VOLUME	402856.477	3770952.290	0.0
LOCATION	L0001078	VOLUME	402856.135	3770948.646	0.0
LOCATION	L0001079	VOLUME	402855.793	3770945.002	0.0
LOCATION	L0001080	VOLUME	402855.452	3770941.358	0.0
LOCATION	L0001081	VOLUME	402855.110	3770937.714	0.0
LOCATION	L0001082	VOLUME	402854.769	3770934.070	0.0
LOCATION	L0001083	VOLUME	402854.427	3770930.426	0.0
LOCATION	L0001084	VOLUME	402854.085	3770926.782	0.0
LOCATION	L0001085	VOLUME	402853.744	3770923.138	0.0
LOCATION	L0001086	VOLUME	402853.402	3770919.494	0.0
LOCATION	L0001087	VOLUME	402853.060	3770915.850	0.0
LOCATION	L0001088	VOLUME	402852.870	3770912.196	0.0
LOCATION	L0001089	VOLUME	402852.759	3770908.538	0.0
LOCATION	L0001090	VOLUME	402852.648	3770904.880	0.0
LOCATION	L0001091	VOLUME	402852.537	3770901.221	0.0
LOCATION	L0001092	VOLUME	402852.427	3770897.563	0.0
LOCATION	L0001093	VOLUME	402852.316	3770893.905	0.0
LOCATION	L0001094	VOLUME	402852.205	3770890.246	0.0
LOCATION	L0001095	VOLUME	402852.094	3770886.588	0.0
LOCATION	L0001096	VOLUME	402852.063	3770882.928	0.0
LOCATION	L0001097	VOLUME	402852.074	3770879.269	0.0
LOCATION	L0001098	VOLUME	402852.086	3770875.609	0.0
LOCATION	L0001099	VOLUME	402852.097	3770871.949	0.0
LOCATION	L0001100	VOLUME	402852.108	3770868.289	0.0
LOCATION	L0001101	VOLUME	402852.119	3770864.629	0.0
LOCATION	L0001102	VOLUME	402852.130	3770860.969	0.0
LOCATION	L0001103	VOLUME	402852.141	3770857.309	0.0
LOCATION	L0001104	VOLUME	402852.152	3770853.649	0.0
LOCATION	L0001105	VOLUME	402852.163	3770849.989	0.0
LOCATION	L0001106	VOLUME	402852.174	3770846.329	0.0
LOCATION	L0001107	VOLUME	402852.186	3770842.669	0.0
LOCATION	L0001108	VOLUME	402852.197	3770839.009	0.0
LOCATION	L0001109	VOLUME	402852.208	3770835.349	0.0
LOCATION	L0001110	VOLUME	402852.219	3770831.689	0.0
LOCATION	L0001111	VOLUME	402852.230	3770828.029	0.0
LOCATION	L0001112	VOLUME	402852.241	3770824.369	0.0
LOCATION	L0001113	VOLUME	402852.252	3770820.709	0.0
LOCATION	L0001114	VOLUME	402852.263	3770817.049	0.0
LOCATION	L0001115	VOLUME	402852.274	3770813.389	0.0
LOCATION	L0001116	VOLUME	402852.285	3770809.729	0.0
LOCATION	L0001117	VOLUME	402852.297	3770806.069	0.0
LOCATION	L0001118	VOLUME	402852.308	3770802.409	0.0
LOCATION	L0001119	VOLUME	402852.319	3770798.749	0.0
LOCATION	L0001120	VOLUME	402852.330	3770795.089	0.0

LOCATION	L0001121	VOLUME	402852.341	3770791.429	0.0
LOCATION	L0001122	VOLUME	402852.352	3770787.769	0.0
LOCATION	L0001123	VOLUME	402852.363	3770784.109	0.0
LOCATION	L0001124	VOLUME	402852.374	3770780.449	0.0
LOCATION	L0001125	VOLUME	402852.385	3770776.789	0.0
LOCATION	L0001126	VOLUME	402852.397	3770773.129	0.0
LOCATION	L0001127	VOLUME	402852.408	3770769.469	0.0
LOCATION	L0001128	VOLUME	402852.419	3770765.809	0.0
LOCATION	L0001129	VOLUME	402852.430	3770762.149	0.0
LOCATION	L0001130	VOLUME	402852.441	3770758.489	0.0
LOCATION	L0001131	VOLUME	402852.452	3770754.829	0.0
LOCATION	L0001132	VOLUME	402852.463	3770751.169	0.0
LOCATION	L0001133	VOLUME	402852.474	3770747.509	0.0
LOCATION	L0001134	VOLUME	402852.485	3770743.849	0.0
LOCATION	L0001135	VOLUME	402852.497	3770740.189	0.0
LOCATION	L0001136	VOLUME	402852.508	3770736.529	0.0
LOCATION	L0001137	VOLUME	402852.519	3770732.869	0.0
LOCATION	L0001138	VOLUME	402852.530	3770729.209	0.0
LOCATION	L0001139	VOLUME	402852.541	3770725.549	0.0
LOCATION	L0001140	VOLUME	402852.552	3770721.889	0.0
LOCATION	L0001141	VOLUME	402852.563	3770718.229	0.0
LOCATION	L0001142	VOLUME	402852.574	3770714.569	0.0
LOCATION	L0001143	VOLUME	402852.585	3770710.909	0.0
LOCATION	L0001144	VOLUME	402852.597	3770707.249	0.0
LOCATION	L0001145	VOLUME	402852.608	3770703.589	0.0
LOCATION	L0001146	VOLUME	402852.619	3770699.929	0.0
LOCATION	L0001147	VOLUME	402852.630	3770696.269	0.0
LOCATION	L0001148	VOLUME	402852.641	3770692.609	0.0
LOCATION	L0001149	VOLUME	402852.678	3770688.950	0.0
LOCATION	L0001150	VOLUME	402852.746	3770685.290	0.0
LOCATION	L0001151	VOLUME	402852.815	3770681.631	0.0
LOCATION	L0001152	VOLUME	402852.884	3770677.972	0.0
LOCATION	L0001153	VOLUME	402852.952	3770674.312	0.0
LOCATION	L0001154	VOLUME	402853.021	3770670.653	0.0
LOCATION	L0001155	VOLUME	402853.090	3770666.994	0.0
LOCATION	L0001156	VOLUME	402853.158	3770663.334	0.0
LOCATION	L0001157	VOLUME	402853.227	3770659.675	0.0
LOCATION	L0001158	VOLUME	402853.296	3770656.015	0.0
LOCATION	L0001159	VOLUME	402853.364	3770652.356	0.0
LOCATION	L0001160	VOLUME	402853.433	3770648.697	0.0
LOCATION	L0001161	VOLUME	402853.502	3770645.037	0.0
LOCATION	L0001162	VOLUME	402853.570	3770641.378	0.0
LOCATION	L0001163	VOLUME	402853.639	3770637.719	0.0
LOCATION	L0001164	VOLUME	402853.708	3770634.059	0.0
LOCATION	L0001165	VOLUME	402853.776	3770630.400	0.0
LOCATION	L0001166	VOLUME	402853.845	3770626.741	0.0
LOCATION	L0001167	VOLUME	402853.914	3770623.081	0.0
LOCATION	L0001168	VOLUME	402853.982	3770619.422	0.0
LOCATION	L0001169	VOLUME	402854.051	3770615.763	0.0
LOCATION	L0001170	VOLUME	402854.120	3770612.103	0.0
LOCATION	L0001171	VOLUME	402854.188	3770608.444	0.0
LOCATION	L0001172	VOLUME	402854.257	3770604.784	0.0
LOCATION	L0001173	VOLUME	402854.326	3770601.125	0.0
LOCATION	L0001174	VOLUME	402854.394	3770597.466	0.0

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   LOCATION L0001179     VOLUME   402854.738 3770579.169 0.0
   LOCATION L0001180     VOLUME   402854.806 3770575.510 0.0
   LOCATION L0001181     VOLUME   402854.875 3770571.850 0.0
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   LOCATION L0001183     VOLUME   402855.012 3770564.532 0.0
   LOCATION L0001184     VOLUME   402855.081 3770560.872 0.0
   LOCATION L0001185     VOLUME   402855.150 3770557.213 0.0
   LOCATION L0001186     VOLUME   402855.218 3770553.554 0.0
   LOCATION L0001187     VOLUME   402855.287 3770549.894 0.0
   LOCATION L0001188     VOLUME   402855.355 3770546.235 0.0
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   LOCATION L0001194     VOLUME   402855.767 3770524.279 0.0
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** End of LINE VOLUME Source ID = SLINE2
** Source Parameters **
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   SRCPARAM STCK2        0.0000393827     3.840   366.000   0.00100
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SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
** DESCRREC "" ""
   DISCCART    403558.16   3771092.33    1.50
   DISCCART    403587.72   3771262.38    1.50
   DISCCART    403568.49   3771148.92    1.50
   DISCCART    403579.54   3771203.33    1.50
```

```
   DISCCART    403599.32   3771304.93    1.50
   DISCCART    403605.86   3771351.57    1.50
   DISCCART    403548.31   3771036.11    1.50
   DISCCART    403623.79   3771430.54    1.50
   DISCCART    403775.08   3771546.97    1.50
   DISCCART    403868.37   3771514.04    1.50
   DISCCART    404097.71   3771497.70    1.50
   DISCCART    404179.28   3771428.02    1.50
   DISCCART    403572.49   3770831.45    1.50
   DISCCART    403656.38   3770834.01    1.50
   DISCCART    403737.76   3770830.64    1.50
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\azus6.sfc
   PROFFILE ..\azus6.PFL
   SURFDATA 3190 2005
   UAIRDATA 3190 2005
   SITEDATA 99999 2005
   PROFBASE 182.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "08344_EL MONTE WALMART.AD\AN00GALL.PLT" 31
   PLOTFILE ANNUAL Diesel "08344_EL MONTE WALMART.AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL Cooking "08344_EL MONTE WALMART.AD\AN00G002.PLT" 33
   SUMMFILE "08344_El Monte Walmart.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


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

```
    ********   WARNING MESSAGES   ********
 ME W530    1433 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE
for     SURFDATA

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

```
 *** AERMOD - VERSION  12345 ***   *** C:\Lakes\AERMOD View\08344_El
Monte Walmart\08344_El Monte Walmart\0 ***        02/19/14
                                   ***
***        12:50:04

PAGE   1
 **MODELOPTs:  NonDFAULT CONC                                    FLAT
FLGPOL                       FASTALL


                                          ***     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   593 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9862049.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Assumes Receptors on FLAT Terrain.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTALL  - Use effective sigma-y to optimize meander for
                    POINT and VOLUME sources, and hybrid approach
                    to optimize AREA sources (formerly TOXICS option)

 **Model Accepts FLAGPOLE Receptor Heights.

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:    593 Source(s);       3 Source Group(s); and
15 Receptor(s)

 **The Model Assumes A Pollutant Type of:  OTHER

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

 **Output Options Selected:
          Model Outputs Tables of ANNUAL 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) =   182.00 ;
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 =      3.8 MB of RAM.

 **Detailed Error/Message File:   08344_El Monte Walmart.err
 **File for Summary of Results:   08344_El Monte Walmart.sum
```

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
STCK1	0	0.39383E-04	403888.1	3771181.0	182.0	3.84	366.00	0.00	0.10	NO	YES	NO	
STCK2	0	0.39383E-04	403873.4	3771109.2	182.0	3.84	366.00	0.00	0.10	NO	YES	NO	
STCK3	0	0.48130E-05	403790.1	3771174.0	182.0	10.67	366.48	6.10	0.31	NO	YES	NO	

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0000632	0	0.45970E-07	403865.3	3770931.9	182.0	0.00	1.70	0.85	YES
L0000633	0	0.45970E-07	403865.9	3770935.6	182.0	0.00	1.70	0.85	YES
L0000634	0	0.45970E-07	403866.4	3770939.2	182.0	0.00	1.70	0.85	YES
L0000635	0	0.45970E-07	403866.9	3770942.8	182.0	0.00	1.70	0.85	YES
L0000636	0	0.45970E-07	403867.5	3770946.4	182.0	0.00	1.70	0.85	YES
L0000637	0	0.45970E-07	403868.0	3770950.0	182.0	0.00	1.70	0.85	YES
L0000638	0	0.45970E-07	403868.5	3770953.7	182.0	0.00	1.70	0.85	YES
L0000639	0	0.45970E-07	403869.1	3770957.3	182.0	0.00	1.70	0.85	YES
L0000640	0	0.45970E-07	403869.6	3770960.9	182.0	0.00	1.70	0.85	YES
L0000641	0	0.45970E-07	403870.1	3770964.5	182.0	0.00	1.70	0.85	YES
L0000642	0	0.45970E-07	403870.7	3770968.1	182.0	0.00	1.70	0.85	YES
L0000643	0	0.45970E-07	403871.2	3770971.8	182.0	0.00	1.70	0.85	YES
L0000644	0	0.45970E-07	403871.7	3770975.4	182.0	0.00	1.70	0.85	YES
L0000645	0	0.45970E-07	403872.3	3770979.0	182.0	0.00	1.70	0.85	YES
L0000646	0	0.45970E-07	403872.8	3770982.6	182.0	0.00	1.70	0.85	YES

L0000647		0	0.45970E-07	403873.3	3770986.2	182.0	0.00	1.70	0.85	YES
L0000648		0	0.45970E-07	403873.9	3770989.9	182.0	0.00	1.70	0.85	YES
L0000649		0	0.45970E-07	403874.4	3770993.5	182.0	0.00	1.70	0.85	YES
L0000650		0	0.45970E-07	403874.9	3770997.1	182.0	0.00	1.70	0.85	YES
L0000651		0	0.45970E-07	403875.5	3771000.7	182.0	0.00	1.70	0.85	YES
L0000652		0	0.45970E-07	403876.0	3771004.4	182.0	0.00	1.70	0.85	YES
L0000653		0	0.45970E-07	403876.5	3771008.0	182.0	0.00	1.70	0.85	YES
L0000654		0	0.45970E-07	403877.1	3771011.6	182.0	0.00	1.70	0.85	YES
L0000655		0	0.45970E-07	403877.6	3771015.2	182.0	0.00	1.70	0.85	YES
L0000656		0	0.45970E-07	403878.1	3771018.8	182.0	0.00	1.70	0.85	YES
L0000657		0	0.45970E-07	403879.5	3771022.2	182.0	0.00	1.70	0.85	YES
L0000658		0	0.45970E-07	403881.0	3771025.6	182.0	0.00	1.70	0.85	YES
L0000659		0	0.45970E-07	403882.5	3771028.9	182.0	0.00	1.70	0.85	YES
L0000660		0	0.45970E-07	403884.0	3771032.2	182.0	0.00	1.70	0.85	YES
L0000661		0	0.45970E-07	403885.5	3771035.6	182.0	0.00	1.70	0.85	YES
L0000662		0	0.45970E-07	403887.0	3771038.9	182.0	0.00	1.70	0.85	YES
L0000663		0	0.45970E-07	403888.5	3771042.2	182.0	0.00	1.70	0.85	YES
L0000664		0	0.45970E-07	403890.4	3771045.3	182.0	0.00	1.70	0.85	YES
L0000665		0	0.45970E-07	403892.4	3771048.5	182.0	0.00	1.70	0.85	YES
L0000666		0	0.45970E-07	403893.2	3771052.0	182.0	0.00	1.70	0.85	YES
L0000667		0	0.45970E-07	403894.0	3771055.6	182.0	0.00	1.70	0.85	YES
L0000668		0	0.45970E-07	403894.7	3771059.2	182.0	0.00	1.70	0.85	YES
L0000669		0	0.45970E-07	403895.5	3771062.8	182.0	0.00	1.70	0.85	YES
L0000670		0	0.45970E-07	403896.2	3771066.3	182.0	0.00	1.70	0.85	YES
L0000671		0	0.45970E-07	403897.0	3771069.9	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000672	0	0.45970E-07	403897.7	3771073.5	182.0	0.00	1.70	0.85	YES	
L0000673	0	0.45970E-07	403898.4	3771077.1	182.0	0.00	1.70	0.85	YES	
L0000674	0	0.45970E-07	403899.2	3771080.7	182.0	0.00	1.70	0.85	YES	
L0000675	0	0.45970E-07	403899.9	3771084.3	182.0	0.00	1.70	0.85	YES	
L0000676	0	0.45970E-07	403900.6	3771087.9	182.0	0.00	1.70	0.85	YES	
L0000677	0	0.45970E-07	403901.4	3771091.4	182.0	0.00	1.70	0.85	YES	
L0000678	0	0.45970E-07	403902.1	3771095.0	182.0	0.00	1.70	0.85	YES	
L0000679	0	0.45970E-07	403902.8	3771098.6	182.0	0.00	1.70	0.85	YES	
L0000680	0	0.45970E-07	403903.6	3771102.2	182.0	0.00	1.70	0.85	YES	
L0000681	0	0.45970E-07	403904.3	3771105.8	182.0	0.00	1.70	0.85	YES	
L0000682	0	0.45970E-07	403905.0	3771109.4	182.0	0.00	1.70	0.85	YES	
L0000683	0	0.45970E-07	403905.7	3771113.0	182.0	0.00	1.70	0.85	YES	
L0000684	0	0.45970E-07	403906.5	3771116.5	182.0	0.00	1.70	0.85	YES	
L0000685	0	0.45970E-07	403907.2	3771120.1	182.0	0.00	1.70	0.85	YES	
L0000686	0	0.45970E-07	403907.9	3771123.7	182.0	0.00	1.70	0.85	YES	

L0000687		0	0.45970E-07	403908.7	3771127.3	182.0	0.00	1.70	0.85	YES
L0000688		0	0.45970E-07	403909.4	3771130.9	182.0	0.00	1.70	0.85	YES
L0000689		0	0.45970E-07	403910.1	3771134.5	182.0	0.00	1.70	0.85	YES
L0000690		0	0.45970E-07	403910.9	3771138.1	182.0	0.00	1.70	0.85	YES
L0000691		0	0.45970E-07	403911.6	3771141.7	182.0	0.00	1.70	0.85	YES
L0000692		0	0.45970E-07	403912.3	3771145.2	182.0	0.00	1.70	0.85	YES
L0000693		0	0.45970E-07	403913.1	3771148.8	182.0	0.00	1.70	0.85	YES
L0000694		0	0.45970E-07	403913.8	3771152.4	182.0	0.00	1.70	0.85	YES
L0000695		0	0.45970E-07	403914.5	3771156.0	182.0	0.00	1.70	0.85	YES
L0000696		0	0.45970E-07	403915.3	3771159.6	182.0	0.00	1.70	0.85	YES
L0000697		0	0.45970E-07	403916.0	3771163.2	182.0	0.00	1.70	0.85	YES
L0000698		0	0.45970E-07	403916.7	3771166.8	182.0	0.00	1.70	0.85	YES
L0000699		0	0.45970E-07	403917.4	3771170.3	182.0	0.00	1.70	0.85	YES
L0000700		0	0.45970E-07	403918.2	3771173.9	182.0	0.00	1.70	0.85	YES
L0000701		0	0.45970E-07	403918.9	3771177.5	182.0	0.00	1.70	0.85	YES
L0000702		0	0.45970E-07	403919.6	3771181.1	182.0	0.00	1.70	0.85	YES
L0000703		0	0.45970E-07	403920.4	3771184.7	182.0	0.00	1.70	0.85	YES
L0000704		0	0.45970E-07	403921.1	3771188.3	182.0	0.00	1.70	0.85	YES
L0000705		0	0.45970E-07	403921.8	3771191.9	182.0	0.00	1.70	0.85	YES
L0000706		0	0.45970E-07	403922.6	3771195.4	182.0	0.00	1.70	0.85	YES
L0000707		0	0.45970E-07	403923.3	3771199.0	182.0	0.00	1.70	0.85	YES
L0000708		0	0.45970E-07	403924.0	3771202.6	182.0	0.00	1.70	0.85	YES
L0000709		0	0.45970E-07	403924.8	3771206.2	182.0	0.00	1.70	0.85	YES
L0000710		0	0.45970E-07	403925.5	3771209.8	182.0	0.00	1.70	0.85	YES
L0000711		0	0.45970E-07	403926.2	3771213.4	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0000712	0	0.45970E-07	403927.0	3771217.0	182.0	0.00	1.70	0.85	YES
L0000713	0	0.45970E-07	403927.7	3771220.5	182.0	0.00	1.70	0.85	YES
L0000714	0	0.45970E-07	403928.3	3771224.1	182.0	0.00	1.70	0.85	YES
L0000715	0	0.45970E-07	403929.0	3771227.8	182.0	0.00	1.70	0.85	YES
L0000716	0	0.45970E-07	403929.6	3771231.4	182.0	0.00	1.70	0.85	YES
L0000717	0	0.45970E-07	403930.3	3771235.0	182.0	0.00	1.70	0.85	YES
L0000718	0	0.45970E-07	403930.6	3771238.6	182.0	0.00	1.70	0.85	YES
L0000719	0	0.45970E-07	403930.1	3771242.1	182.0	0.00	1.70	0.85	YES
L0000720	0	0.45970E-07	403927.5	3771244.4	182.0	0.00	1.70	0.85	YES
L0000721	0	0.45970E-07	403924.5	3771246.5	182.0	0.00	1.70	0.85	YES
L0000722	0	0.45970E-07	403921.1	3771247.4	182.0	0.00	1.70	0.85	YES
L0000723	0	0.45970E-07	403917.5	3771247.1	182.0	0.00	1.70	0.85	YES
L0000724	0	0.45970E-07	403914.4	3771245.2	182.0	0.00	1.70	0.85	YES
L0000725	0	0.45970E-07	403912.4	3771242.2	182.0	0.00	1.70	0.85	YES
L0000726	0	0.45970E-07	403910.7	3771239.1	182.0	0.00	1.70	0.85	YES

L0000727	0	0.26750E-07	403863.4	3770922.3	182.0	0.00	1.70	0.85	YES
L0000728	0	0.26750E-07	403859.9	3770921.6	182.0	0.00	1.70	0.85	YES
L0000729	0	0.26750E-07	403856.2	3770921.8	182.0	0.00	1.70	0.85	YES
L0000730	0	0.26750E-07	403852.6	3770922.0	182.0	0.00	1.70	0.85	YES
L0000731	0	0.26750E-07	403848.9	3770922.2	182.0	0.00	1.70	0.85	YES
L0000732	0	0.26750E-07	403845.3	3770922.4	182.0	0.00	1.70	0.85	YES
L0000733	0	0.26750E-07	403841.6	3770922.6	182.0	0.00	1.70	0.85	YES
L0000734	0	0.26750E-07	403837.9	3770922.8	182.0	0.00	1.70	0.85	YES
L0000735	0	0.26750E-07	403834.3	3770923.0	182.0	0.00	1.70	0.85	YES
L0000736	0	0.26750E-07	403830.6	3770923.2	182.0	0.00	1.70	0.85	YES
L0000737	0	0.26750E-07	403827.0	3770923.4	182.0	0.00	1.70	0.85	YES
L0000738	0	0.26750E-07	403823.3	3770923.6	182.0	0.00	1.70	0.85	YES
L0000739	0	0.26750E-07	403819.7	3770923.8	182.0	0.00	1.70	0.85	YES
L0000740	0	0.26750E-07	403816.0	3770924.0	182.0	0.00	1.70	0.85	YES
L0000741	0	0.26750E-07	403812.4	3770924.2	182.0	0.00	1.70	0.85	YES
L0000742	0	0.26750E-07	403808.7	3770924.4	182.0	0.00	1.70	0.85	YES
L0000743	0	0.26750E-07	403805.1	3770924.6	182.0	0.00	1.70	0.85	YES
L0000744	0	0.26750E-07	403801.4	3770924.8	182.0	0.00	1.70	0.85	YES
L0000745	0	0.26750E-07	403797.7	3770925.0	182.0	0.00	1.70	0.85	YES
L0000746	0	0.26750E-07	403794.1	3770925.2	182.0	0.00	1.70	0.85	YES
L0000747	0	0.26750E-07	403790.4	3770925.4	182.0	0.00	1.70	0.85	YES
L0000748	0	0.26750E-07	403786.8	3770925.6	182.0	0.00	1.70	0.85	YES
L0000749	0	0.26750E-07	403783.1	3770925.8	182.0	0.00	1.70	0.85	YES
L0000750	0	0.26750E-07	403779.5	3770926.0	182.0	0.00	1.70	0.85	YES
L0000751	0	0.26750E-07	403775.8	3770926.2	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000752	0	0.26750E-07	403772.2	3770926.4	182.0	0.00	1.70	0.85	YES	
L0000753	0	0.26750E-07	403768.5	3770926.6	182.0	0.00	1.70	0.85	YES	
L0000754	0	0.26750E-07	403764.9	3770926.8	182.0	0.00	1.70	0.85	YES	
L0000755	0	0.26750E-07	403761.2	3770927.0	182.0	0.00	1.70	0.85	YES	
L0000756	0	0.26750E-07	403757.5	3770927.2	182.0	0.00	1.70	0.85	YES	
L0000757	0	0.26750E-07	403753.9	3770927.4	182.0	0.00	1.70	0.85	YES	
L0000758	0	0.26750E-07	403750.2	3770927.6	182.0	0.00	1.70	0.85	YES	
L0000759	0	0.26750E-07	403746.6	3770927.8	182.0	0.00	1.70	0.85	YES	
L0000760	0	0.26750E-07	403742.9	3770928.0	182.0	0.00	1.70	0.85	YES	
L0000761	0	0.26750E-07	403739.3	3770928.2	182.0	0.00	1.70	0.85	YES	
L0000762	0	0.26750E-07	403735.6	3770928.4	182.0	0.00	1.70	0.85	YES	
L0000763	0	0.26750E-07	403732.0	3770928.6	182.0	0.00	1.70	0.85	YES	
L0000764	0	0.26750E-07	403728.3	3770928.8	182.0	0.00	1.70	0.85	YES	
L0000765	0	0.26750E-07	403724.7	3770929.0	182.0	0.00	1.70	0.85	YES	
L0000766	0	0.26750E-07	403721.0	3770929.2	182.0	0.00	1.70	0.85	YES	

L0000767	0	0.26750E-07	403717.3	3770929.4	182.0	0.00	1.70	0.85	YES
L0000768	0	0.26750E-07	403713.7	3770929.6	182.0	0.00	1.70	0.85	YES
L0000769	0	0.26750E-07	403710.0	3770929.8	182.0	0.00	1.70	0.85	YES
L0000770	0	0.26750E-07	403706.4	3770930.0	182.0	0.00	1.70	0.85	YES
L0000771	0	0.26750E-07	403702.7	3770930.2	182.0	0.00	1.70	0.85	YES
L0000772	0	0.26750E-07	403699.1	3770930.4	182.0	0.00	1.70	0.85	YES
L0000773	0	0.26750E-07	403695.4	3770930.6	182.0	0.00	1.70	0.85	YES
L0000774	0	0.26750E-07	403691.8	3770930.8	182.0	0.00	1.70	0.85	YES
L0000775	0	0.26750E-07	403688.1	3770931.1	182.0	0.00	1.70	0.85	YES
L0000776	0	0.26750E-07	403684.5	3770931.4	182.0	0.00	1.70	0.85	YES
L0000777	0	0.26750E-07	403680.8	3770931.6	182.0	0.00	1.70	0.85	YES
L0000778	0	0.26750E-07	403677.2	3770931.9	182.0	0.00	1.70	0.85	YES
L0000779	0	0.26750E-07	403673.5	3770932.2	182.0	0.00	1.70	0.85	YES
L0000780	0	0.26750E-07	403669.9	3770932.5	182.0	0.00	1.70	0.85	YES
L0000781	0	0.26750E-07	403666.2	3770932.8	182.0	0.00	1.70	0.85	YES
L0000782	0	0.26750E-07	403662.6	3770933.1	182.0	0.00	1.70	0.85	YES
L0000783	0	0.26750E-07	403658.9	3770933.4	182.0	0.00	1.70	0.85	YES
L0000784	0	0.26750E-07	403655.3	3770933.6	182.0	0.00	1.70	0.85	YES
L0000785	0	0.26750E-07	403651.6	3770933.9	182.0	0.00	1.70	0.85	YES
L0000786	0	0.26750E-07	403648.0	3770934.2	182.0	0.00	1.70	0.85	YES
L0000787	0	0.26750E-07	403644.3	3770934.5	182.0	0.00	1.70	0.85	YES
L0000788	0	0.26750E-07	403640.7	3770934.8	182.0	0.00	1.70	0.85	YES
L0000789	0	0.26750E-07	403637.0	3770935.1	182.0	0.00	1.70	0.85	YES
L0000790	0	0.26750E-07	403633.4	3770935.4	182.0	0.00	1.70	0.85	YES
L0000791	0	0.26750E-07	403629.7	3770935.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0000792	0	0.26750E-07	403626.1	3770936.2	182.0	0.00	1.70	0.85	YES
L0000793	0	0.26750E-07	403622.5	3770936.6	182.0	0.00	1.70	0.85	YES
L0000794	0	0.26750E-07	403618.8	3770937.1	182.0	0.00	1.70	0.85	YES
L0000795	0	0.26750E-07	403615.2	3770937.5	182.0	0.00	1.70	0.85	YES
L0000796	0	0.26750E-07	403611.6	3770938.0	182.0	0.00	1.70	0.85	YES
L0000797	0	0.26750E-07	403608.0	3770938.5	182.0	0.00	1.70	0.85	YES
L0000798	0	0.26750E-07	403604.3	3770938.9	182.0	0.00	1.70	0.85	YES
L0000799	0	0.26750E-07	403600.7	3770939.4	182.0	0.00	1.70	0.85	YES
L0000800	0	0.26750E-07	403597.1	3770939.8	182.0	0.00	1.70	0.85	YES
L0000801	0	0.26750E-07	403593.4	3770940.4	182.0	0.00	1.70	0.85	YES
L0000802	0	0.26750E-07	403589.9	3770941.2	182.0	0.00	1.70	0.85	YES
L0000803	0	0.26750E-07	403586.3	3770942.0	182.0	0.00	1.70	0.85	YES
L0000804	0	0.26750E-07	403582.7	3770942.8	182.0	0.00	1.70	0.85	YES
L0000805	0	0.26750E-07	403579.2	3770943.6	182.0	0.00	1.70	0.85	YES
L0000806	0	0.26750E-07	403575.6	3770944.4	182.0	0.00	1.70	0.85	YES

L0000807	0	0.26750E-07	403572.0	3770945.2	182.0	0.00	1.70	0.85	YES
L0000808	0	0.26750E-07	403568.4	3770946.0	182.0	0.00	1.70	0.85	YES
L0000809	0	0.26750E-07	403564.9	3770946.8	182.0	0.00	1.70	0.85	YES
L0000810	0	0.26750E-07	403561.3	3770947.5	182.0	0.00	1.70	0.85	YES
L0000811	0	0.26750E-07	403557.7	3770948.3	182.0	0.00	1.70	0.85	YES
L0000812	0	0.26750E-07	403554.1	3770949.1	182.0	0.00	1.70	0.85	YES
L0000813	0	0.26750E-07	403550.6	3770949.9	182.0	0.00	1.70	0.85	YES
L0000814	0	0.26750E-07	403547.0	3770950.7	182.0	0.00	1.70	0.85	YES
L0000815	0	0.26750E-07	403543.4	3770951.5	182.0	0.00	1.70	0.85	YES
L0000816	0	0.26750E-07	403539.9	3770952.3	182.0	0.00	1.70	0.85	YES
L0000817	0	0.26750E-07	403536.3	3770953.1	182.0	0.00	1.70	0.85	YES
L0000818	0	0.26750E-07	403532.7	3770953.9	182.0	0.00	1.70	0.85	YES
L0000819	0	0.26750E-07	403529.1	3770954.7	182.0	0.00	1.70	0.85	YES
L0000820	0	0.26750E-07	403525.6	3770955.8	182.0	0.00	1.70	0.85	YES
L0000821	0	0.26750E-07	403522.1	3770956.8	182.0	0.00	1.70	0.85	YES
L0000822	0	0.26750E-07	403518.6	3770957.9	182.0	0.00	1.70	0.85	YES
L0000823	0	0.26750E-07	403515.1	3770959.0	182.0	0.00	1.70	0.85	YES
L0000824	0	0.26750E-07	403511.6	3770960.1	182.0	0.00	1.70	0.85	YES
L0000825	0	0.26750E-07	403508.1	3770961.1	182.0	0.00	1.70	0.85	YES
L0000826	0	0.26750E-07	403504.6	3770962.2	182.0	0.00	1.70	0.85	YES
L0000827	0	0.26750E-07	403501.1	3770963.3	182.0	0.00	1.70	0.85	YES
L0000828	0	0.26750E-07	403497.6	3770964.4	182.0	0.00	1.70	0.85	YES
L0000829	0	0.26750E-07	403494.2	3770965.4	182.0	0.00	1.70	0.85	YES
L0000830	0	0.26750E-07	403490.7	3770966.5	182.0	0.00	1.70	0.85	YES
L0000831	0	0.26750E-07	403487.2	3770967.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0000832	0	0.26750E-07	403483.7	3770968.9	182.0	0.00	1.70	0.85	YES
L0000833	0	0.26750E-07	403480.3	3770970.2	182.0	0.00	1.70	0.85	YES
L0000834	0	0.26750E-07	403476.8	3770971.4	182.0	0.00	1.70	0.85	YES
L0000835	0	0.26750E-07	403473.4	3770972.6	182.0	0.00	1.70	0.85	YES
L0000836	0	0.26750E-07	403469.9	3770973.8	182.0	0.00	1.70	0.85	YES
L0000837	0	0.26750E-07	403466.5	3770975.1	182.0	0.00	1.70	0.85	YES
L0000838	0	0.26750E-07	403463.0	3770976.3	182.0	0.00	1.70	0.85	YES
L0000839	0	0.26750E-07	403459.6	3770977.5	182.0	0.00	1.70	0.85	YES
L0000840	0	0.26750E-07	403456.1	3770978.7	182.0	0.00	1.70	0.85	YES
L0000841	0	0.26750E-07	403452.7	3770980.0	182.0	0.00	1.70	0.85	YES
L0000842	0	0.26750E-07	403449.3	3770981.2	182.0	0.00	1.70	0.85	YES
L0000843	0	0.26750E-07	403445.8	3770982.4	182.0	0.00	1.70	0.85	YES
L0000844	0	0.26750E-07	403442.4	3770983.6	182.0	0.00	1.70	0.85	YES
L0000845	0	0.26750E-07	403438.9	3770984.9	182.0	0.00	1.70	0.85	YES
L0000846	0	0.26750E-07	403435.5	3770986.1	182.0	0.00	1.70	0.85	YES

L0000847	0	0.26750E-07	403432.1	3770987.5	182.0	0.00	1.70	0.85	YES
L0000848	0	0.26750E-07	403428.7	3770989.0	182.0	0.00	1.70	0.85	YES
L0000849	0	0.26750E-07	403425.4	3770990.4	182.0	0.00	1.70	0.85	YES
L0000850	0	0.26750E-07	403422.0	3770991.9	182.0	0.00	1.70	0.85	YES
L0000851	0	0.26750E-07	403418.7	3770993.4	182.0	0.00	1.70	0.85	YES
L0000852	0	0.26750E-07	403415.3	3770994.8	182.0	0.00	1.70	0.85	YES
L0000853	0	0.26750E-07	403412.0	3770996.3	182.0	0.00	1.70	0.85	YES
L0000854	0	0.26750E-07	403408.6	3770997.8	182.0	0.00	1.70	0.85	YES
L0000855	0	0.26750E-07	403405.3	3770999.2	182.0	0.00	1.70	0.85	YES
L0000856	0	0.26750E-07	403401.9	3771000.7	182.0	0.00	1.70	0.85	YES
L0000857	0	0.26750E-07	403398.5	3771002.2	182.0	0.00	1.70	0.85	YES
L0000858	0	0.26750E-07	403395.2	3771003.6	182.0	0.00	1.70	0.85	YES
L0000859	0	0.26750E-07	403391.8	3771005.1	182.0	0.00	1.70	0.85	YES
L0000860	0	0.26750E-07	403388.5	3771006.6	182.0	0.00	1.70	0.85	YES
L0000861	0	0.26750E-07	403385.1	3771008.0	182.0	0.00	1.70	0.85	YES
L0000862	0	0.26750E-07	403381.8	3771009.5	182.0	0.00	1.70	0.85	YES
L0000863	0	0.26750E-07	403378.4	3771011.0	182.0	0.00	1.70	0.85	YES
L0000864	0	0.26750E-07	403375.1	3771012.4	182.0	0.00	1.70	0.85	YES
L0000865	0	0.26750E-07	403371.7	3771013.9	182.0	0.00	1.70	0.85	YES
L0000866	0	0.26750E-07	403368.4	3771015.3	182.0	0.00	1.70	0.85	YES
L0000867	0	0.26750E-07	403365.0	3771016.8	182.0	0.00	1.70	0.85	YES
L0000868	0	0.26750E-07	403361.7	3771018.3	182.0	0.00	1.70	0.85	YES
L0000869	0	0.26750E-07	403358.3	3771019.7	182.0	0.00	1.70	0.85	YES
L0000870	0	0.26750E-07	403354.9	3771021.2	182.0	0.00	1.70	0.85	YES
L0000871	0	0.26750E-07	403351.6	3771022.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0000872	0	0.26750E-07	403348.2	3771024.1	182.0	0.00	1.70	0.85	YES
L0000873	0	0.26750E-07	403344.9	3771025.6	182.0	0.00	1.70	0.85	YES
L0000874	0	0.26750E-07	403341.5	3771027.1	182.0	0.00	1.70	0.85	YES
L0000875	0	0.26750E-07	403338.2	3771028.5	182.0	0.00	1.70	0.85	YES
L0000876	0	0.26750E-07	403334.8	3771030.0	182.0	0.00	1.70	0.85	YES
L0000877	0	0.26750E-07	403331.5	3771031.5	182.0	0.00	1.70	0.85	YES
L0000878	0	0.26750E-07	403328.1	3771033.0	182.0	0.00	1.70	0.85	YES
L0000879	0	0.26750E-07	403324.9	3771034.6	182.0	0.00	1.70	0.85	YES
L0000880	0	0.26750E-07	403321.6	3771036.3	182.0	0.00	1.70	0.85	YES
L0000881	0	0.26750E-07	403318.3	3771037.9	182.0	0.00	1.70	0.85	YES
L0000882	0	0.26750E-07	403315.1	3771039.6	182.0	0.00	1.70	0.85	YES
L0000883	0	0.26750E-07	403311.8	3771041.2	182.0	0.00	1.70	0.85	YES
L0000884	0	0.26750E-07	403308.5	3771042.9	182.0	0.00	1.70	0.85	YES
L0000885	0	0.26750E-07	403305.3	3771044.5	182.0	0.00	1.70	0.85	YES
L0000886	0	0.26750E-07	403302.0	3771046.2	182.0	0.00	1.70	0.85	YES

L0000887		0	0.26750E-07	403298.7	3771047.8	182.0	0.00	1.70	0.85
YES									
L0000888		0	0.26750E-07	403295.5	3771049.5	182.0	0.00	1.70	0.85
YES									
L0000889		0	0.26750E-07	403292.2	3771051.1	182.0	0.00	1.70	0.85
YES									
L0000890		0	0.26750E-07	403288.9	3771052.8	182.0	0.00	1.70	0.85
YES									
L0000891		0	0.26750E-07	403285.7	3771054.4	182.0	0.00	1.70	0.85
YES									
L0000892		0	0.26750E-07	403282.4	3771056.1	182.0	0.00	1.70	0.85
YES									
L0000893		0	0.26750E-07	403279.1	3771057.7	182.0	0.00	1.70	0.85
YES									
L0000894		0	0.26750E-07	403275.9	3771059.4	182.0	0.00	1.70	0.85
YES									
L0000895		0	0.26750E-07	403272.6	3771061.0	182.0	0.00	1.70	0.85
YES									
L0000896		0	0.26750E-07	403269.3	3771062.6	182.0	0.00	1.70	0.85
YES									
L0000897		0	0.26750E-07	403266.0	3771064.3	182.0	0.00	1.70	0.85
YES									
L0000898		0	0.26750E-07	403262.8	3771065.9	182.0	0.00	1.70	0.85
YES									
L0000899		0	0.26750E-07	403259.5	3771067.6	182.0	0.00	1.70	0.85
YES									
L0000900		0	0.26750E-07	403256.2	3771069.2	182.0	0.00	1.70	0.85
YES									
L0000901		0	0.26750E-07	403253.0	3771070.9	182.0	0.00	1.70	0.85
YES									
L0000902		0	0.26750E-07	403249.7	3771072.5	182.0	0.00	1.70	0.85
YES									
L0000903		0	0.26750E-07	403246.4	3771074.2	182.0	0.00	1.70	0.85
YES									
L0000904		0	0.26750E-07	403243.2	3771075.8	182.0	0.00	1.70	0.85
YES									
L0000905		0	0.26750E-07	403239.9	3771077.5	182.0	0.00	1.70	0.85
YES									
L0000906		0	0.26750E-07	403236.6	3771079.1	182.0	0.00	1.70	0.85
YES									
L0000907		0	0.26750E-07	403233.4	3771080.8	182.0	0.00	1.70	0.85
YES									
L0000908		0	0.26750E-07	403230.1	3771082.4	182.0	0.00	1.70	0.85
YES									
L0000909		0	0.26750E-07	403226.8	3771084.1	182.0	0.00	1.70	0.85
YES									
L0000910		0	0.26750E-07	403223.6	3771085.7	182.0	0.00	1.70	0.85
YES									
L0000911		0	0.26750E-07	403220.3	3771087.3	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0000912	0	0.26750E-07	403217.0	3771089.0	182.0	0.00	1.70	0.85	YES
L0000913	0	0.26750E-07	403213.8	3771090.6	182.0	0.00	1.70	0.85	YES
L0000914	0	0.26750E-07	403210.5	3771092.3	182.0	0.00	1.70	0.85	YES
L0000915	0	0.26750E-07	403207.2	3771093.9	182.0	0.00	1.70	0.85	YES
L0000916	0	0.26750E-07	403203.9	3771095.6	182.0	0.00	1.70	0.85	YES
L0000917	0	0.26750E-07	403200.7	3771097.2	182.0	0.00	1.70	0.85	YES
L0000918	0	0.26750E-07	403197.4	3771098.9	182.0	0.00	1.70	0.85	YES
L0000919	0	0.26750E-07	403194.1	3771100.5	182.0	0.00	1.70	0.85	YES
L0000920	0	0.26750E-07	403190.9	3771102.2	182.0	0.00	1.70	0.85	YES
L0000921	0	0.26750E-07	403187.6	3771103.8	182.0	0.00	1.70	0.85	YES
L0000922	0	0.26750E-07	403184.3	3771105.5	182.0	0.00	1.70	0.85	YES
L0000923	0	0.26750E-07	403181.1	3771107.1	182.0	0.00	1.70	0.85	YES
L0000924	0	0.26750E-07	403177.8	3771108.8	182.0	0.00	1.70	0.85	YES
L0000925	0	0.26750E-07	403174.5	3771110.4	182.0	0.00	1.70	0.85	YES
L0000926	0	0.26750E-07	403171.3	3771112.1	182.0	0.00	1.70	0.85	YES

L0000927		0	0.26750E-07	403168.0	3771113.7	182.0	0.00	1.70	0.85
L0000928		0	0.26750E-07	403164.7	3771115.3	182.0	0.00	1.70	0.85
L0000929		0	0.26750E-07	403161.5	3771117.0	182.0	0.00	1.70	0.85
L0000930		0	0.26750E-07	403158.2	3771118.6	182.0	0.00	1.70	0.85
L0000931		0	0.26750E-07	403154.9	3771120.3	182.0	0.00	1.70	0.85
L0000932		0	0.26750E-07	403151.6	3771121.9	182.0	0.00	1.70	0.85
L0000933		0	0.26750E-07	403148.4	3771123.6	182.0	0.00	1.70	0.85
L0000934		0	0.26750E-07	403145.1	3771125.2	182.0	0.00	1.70	0.85
L0000935		0	0.26750E-07	403141.8	3771126.9	182.0	0.00	1.70	0.85
L0000936		0	0.26750E-07	403138.6	3771128.5	182.0	0.00	1.70	0.85
L0000937		0	0.26750E-07	403135.3	3771130.2	182.0	0.00	1.70	0.85
L0000938		0	0.26750E-07	403132.0	3771131.8	182.0	0.00	1.70	0.85
L0000939		0	0.26750E-07	403128.8	3771133.5	182.0	0.00	1.70	0.85
L0000940		0	0.26750E-07	403125.5	3771135.1	182.0	0.00	1.70	0.85
L0000941		0	0.26750E-07	403122.2	3771136.8	182.0	0.00	1.70	0.85
L0000942		0	0.26750E-07	403119.0	3771138.4	182.0	0.00	1.70	0.85
L0000943		0	0.26750E-07	403115.7	3771140.0	182.0	0.00	1.70	0.85
L0000944		0	0.26750E-07	403112.4	3771141.7	182.0	0.00	1.70	0.85
L0000945		0	0.26750E-07	403109.2	3771143.3	182.0	0.00	1.70	0.85
L0000946		0	0.26750E-07	403105.9	3771145.0	182.0	0.00	1.70	0.85
L0000947		0	0.26750E-07	403102.6	3771146.6	182.0	0.00	1.70	0.85
L0000948		0	0.26750E-07	403099.3	3771148.3	182.0	0.00	1.70	0.85
L0000949		0	0.26750E-07	403096.1	3771149.9	182.0	0.00	1.70	0.85
L0000950		0	0.26750E-07	403092.8	3771151.6	182.0	0.00	1.70	0.85
L0000951		0	0.26750E-07	403089.5	3771153.2	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0000952	0	0.26750E-07	403086.3	3771154.9	182.0	0.00	1.70	0.85	YES
L0000953	0	0.26750E-07	403083.0	3771156.5	182.0	0.00	1.70	0.85	YES
L0000954	0	0.26750E-07	403079.7	3771158.2	182.0	0.00	1.70	0.85	YES
L0000955	0	0.26750E-07	403076.5	3771159.8	182.0	0.00	1.70	0.85	YES
L0000956	0	0.26750E-07	403073.2	3771161.5	182.0	0.00	1.70	0.85	YES
L0000957	0	0.26750E-07	403069.9	3771163.1	182.0	0.00	1.70	0.85	YES
L0000958	0	0.26750E-07	403066.7	3771164.7	182.0	0.00	1.70	0.85	YES
L0000959	0	0.26750E-07	403063.4	3771166.4	182.0	0.00	1.70	0.85	YES
L0000960	0	0.26750E-07	403060.1	3771168.0	182.0	0.00	1.70	0.85	YES
L0000961	0	0.26750E-07	403056.9	3771169.7	182.0	0.00	1.70	0.85	YES
L0000962	0	0.26750E-07	403053.6	3771171.3	182.0	0.00	1.70	0.85	YES
L0000963	0	0.26750E-07	403050.3	3771173.0	182.0	0.00	1.70	0.85	YES
L0000964	0	0.26750E-07	403047.1	3771174.6	182.0	0.00	1.70	0.85	YES
L0000965	0	0.26750E-07	403043.8	3771176.3	182.0	0.00	1.70	0.85	YES
L0000966	0	0.26750E-07	403040.5	3771177.9	182.0	0.00	1.70	0.85	YES

L0000967	0	0.26750E-07	403037.2	3771179.6	182.0	0.00	1.70	0.85	YES
L0000968	0	0.26750E-07	403034.0	3771181.2	182.0	0.00	1.70	0.85	YES
L0000969	0	0.26750E-07	403030.7	3771182.9	182.0	0.00	1.70	0.85	YES
L0000970	0	0.26750E-07	403027.4	3771184.5	182.0	0.00	1.70	0.85	YES
L0000971	0	0.26750E-07	403024.2	3771186.2	182.0	0.00	1.70	0.85	YES
L0000972	0	0.26750E-07	403020.9	3771187.8	182.0	0.00	1.70	0.85	YES
L0000973	0	0.26750E-07	403017.6	3771189.5	182.0	0.00	1.70	0.85	YES
L0000974	0	0.26750E-07	403014.4	3771191.1	182.0	0.00	1.70	0.85	YES
L0000975	0	0.26750E-07	403011.1	3771192.7	182.0	0.00	1.70	0.85	YES
L0000976	0	0.26750E-07	403007.8	3771194.4	182.0	0.00	1.70	0.85	YES
L0000977	0	0.26750E-07	403004.6	3771196.0	182.0	0.00	1.70	0.85	YES
L0000978	0	0.26750E-07	403001.3	3771197.7	182.0	0.00	1.70	0.85	YES
L0000979	0	0.26750E-07	402998.0	3771199.3	182.0	0.00	1.70	0.85	YES
L0000980	0	0.26750E-07	402994.8	3771201.0	182.0	0.00	1.70	0.85	YES
L0000981	0	0.26750E-07	402991.5	3771202.6	182.0	0.00	1.70	0.85	YES
L0000982	0	0.26750E-07	402988.2	3771204.3	182.0	0.00	1.70	0.85	YES
L0000983	0	0.26750E-07	402985.0	3771205.9	182.0	0.00	1.70	0.85	YES
L0000984	0	0.26750E-07	402981.7	3771207.6	182.0	0.00	1.70	0.85	YES
L0000985	0	0.26750E-07	402978.4	3771209.2	182.0	0.00	1.70	0.85	YES
L0000986	0	0.26750E-07	402975.1	3771210.9	182.0	0.00	1.70	0.85	YES
L0000987	0	0.26750E-07	402971.9	3771212.5	182.0	0.00	1.70	0.85	YES
L0000988	0	0.26750E-07	402968.6	3771214.2	182.0	0.00	1.70	0.85	YES
L0000989	0	0.26750E-07	402965.3	3771215.8	182.0	0.00	1.70	0.85	YES
L0000990	0	0.26750E-07	402962.1	3771217.4	182.0	0.00	1.70	0.85	YES
L0000991	0	0.26750E-07	402958.8	3771219.1	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0000992	0	0.26750E-07	402955.5	3771220.7	182.0	0.00	1.70	0.85	YES
L0000993	0	0.26750E-07	402952.3	3771222.4	182.0	0.00	1.70	0.85	YES
L0000994	0	0.26750E-07	402949.0	3771224.0	182.0	0.00	1.70	0.85	YES
L0000995	0	0.26750E-07	402945.7	3771225.7	182.0	0.00	1.70	0.85	YES
L0000996	0	0.26750E-07	402942.5	3771227.3	182.0	0.00	1.70	0.85	YES
L0000997	0	0.26750E-07	402939.2	3771229.0	182.0	0.00	1.70	0.85	YES
L0000998	0	0.26750E-07	402936.1	3771230.2	182.0	0.00	1.70	0.85	YES
L0000999	0	0.26750E-07	402935.0	3771226.7	182.0	0.00	1.70	0.85	YES
L0001000	0	0.26750E-07	402934.0	3771223.2	182.0	0.00	1.70	0.85	YES
L0001001	0	0.26750E-07	402932.9	3771219.7	182.0	0.00	1.70	0.85	YES
L0001002	0	0.26750E-07	402931.8	3771216.2	182.0	0.00	1.70	0.85	YES
L0001003	0	0.26750E-07	402930.7	3771212.7	182.0	0.00	1.70	0.85	YES
L0001004	0	0.26750E-07	402929.6	3771209.2	182.0	0.00	1.70	0.85	YES
L0001005	0	0.26750E-07	402928.6	3771205.7	182.0	0.00	1.70	0.85	YES
L0001006	0	0.26750E-07	402927.5	3771202.2	182.0	0.00	1.70	0.85	YES

L0001007		0	0.26750E-07	402926.4	3771198.7	182.0	0.00	1.70	0.85
YES									
L0001008		0	0.26750E-07	402925.3	3771195.2	182.0	0.00	1.70	0.85
YES									
L0001009		0	0.26750E-07	402924.3	3771191.7	182.0	0.00	1.70	0.85
YES									
L0001010		0	0.26750E-07	402923.2	3771188.2	182.0	0.00	1.70	0.85
YES									
L0001011		0	0.26750E-07	402922.1	3771184.7	182.0	0.00	1.70	0.85
YES									
L0001012		0	0.26750E-07	402921.0	3771181.2	182.0	0.00	1.70	0.85
YES									
L0001013		0	0.26750E-07	402919.9	3771177.7	182.0	0.00	1.70	0.85
YES									
L0001014		0	0.26750E-07	402918.9	3771174.2	182.0	0.00	1.70	0.85
YES									
L0001015		0	0.26750E-07	402917.8	3771170.7	182.0	0.00	1.70	0.85
YES									
L0001016		0	0.26750E-07	402916.7	3771167.2	182.0	0.00	1.70	0.85
YES									
L0001017		0	0.26750E-07	402915.6	3771163.7	182.0	0.00	1.70	0.85
YES									
L0001018		0	0.26750E-07	402914.6	3771160.2	182.0	0.00	1.70	0.85
YES									
L0001019		0	0.26750E-07	402913.6	3771156.7	182.0	0.00	1.70	0.85
YES									
L0001020		0	0.26750E-07	402912.5	3771153.2	182.0	0.00	1.70	0.85
YES									
L0001021		0	0.26750E-07	402911.5	3771149.7	182.0	0.00	1.70	0.85
YES									
L0001022		0	0.26750E-07	402910.4	3771146.2	182.0	0.00	1.70	0.85
YES									
L0001023		0	0.26750E-07	402909.4	3771142.6	182.0	0.00	1.70	0.85
YES									
L0001024		0	0.26750E-07	402908.3	3771139.1	182.0	0.00	1.70	0.85
YES									
L0001025		0	0.26750E-07	402907.3	3771135.6	182.0	0.00	1.70	0.85
YES									
L0001026		0	0.26750E-07	402906.2	3771132.1	182.0	0.00	1.70	0.85
YES									
L0001027		0	0.26750E-07	402905.2	3771128.6	182.0	0.00	1.70	0.85
YES									
L0001028		0	0.26750E-07	402904.2	3771125.1	182.0	0.00	1.70	0.85
YES									
L0001029		0	0.26750E-07	402903.1	3771121.6	182.0	0.00	1.70	0.85
YES									
L0001030		0	0.26750E-07	402902.1	3771118.1	182.0	0.00	1.70	0.85
YES									
L0001031		0	0.26750E-07	402901.0	3771114.6	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001032	0	0.26750E-07	402900.0	3771111.1	182.0	0.00	1.70	0.85	YES	
L0001033	0	0.26750E-07	402898.9	3771107.6	182.0	0.00	1.70	0.85	YES	
L0001034	0	0.26750E-07	402897.9	3771104.1	182.0	0.00	1.70	0.85	YES	
L0001035	0	0.26750E-07	402896.8	3771100.6	182.0	0.00	1.70	0.85	YES	
L0001036	0	0.26750E-07	402895.8	3771097.0	182.0	0.00	1.70	0.85	YES	
L0001037	0	0.26750E-07	402894.8	3771093.5	182.0	0.00	1.70	0.85	YES	
L0001038	0	0.26750E-07	402893.7	3771090.0	182.0	0.00	1.70	0.85	YES	
L0001039	0	0.26750E-07	402892.7	3771086.5	182.0	0.00	1.70	0.85	YES	
L0001040	0	0.26750E-07	402891.6	3771083.0	182.0	0.00	1.70	0.85	YES	
L0001041	0	0.26750E-07	402890.6	3771079.5	182.0	0.00	1.70	0.85	YES	
L0001042	0	0.26750E-07	402889.5	3771076.0	182.0	0.00	1.70	0.85	YES	
L0001043	0	0.26750E-07	402888.5	3771072.5	182.0	0.00	1.70	0.85	YES	
L0001044	0	0.26750E-07	402887.5	3771069.0	182.0	0.00	1.70	0.85	YES	
L0001045	0	0.26750E-07	402886.4	3771065.5	182.0	0.00	1.70	0.85	YES	
L0001046	0	0.26750E-07	402885.4	3771062.0	182.0	0.00	1.70	0.85	YES	

L0001047		0	0.26750E-07	402884.3	3771058.5	182.0	0.00	1.70	0.85
L0001048		0	0.26750E-07	402883.3	3771054.9	182.0	0.00	1.70	0.85
L0001049		0	0.26750E-07	402882.2	3771051.4	182.0	0.00	1.70	0.85
L0001050		0	0.26750E-07	402881.2	3771047.9	182.0	0.00	1.70	0.85
L0001051		0	0.26750E-07	402880.1	3771044.4	182.0	0.00	1.70	0.85
L0001052		0	0.26750E-07	402879.1	3771040.9	182.0	0.00	1.70	0.85
L0001053		0	0.26750E-07	402878.1	3771037.4	182.0	0.00	1.70	0.85
L0001054		0	0.26750E-07	402877.0	3771033.9	182.0	0.00	1.70	0.85
L0001055		0	0.26750E-07	402876.0	3771030.4	182.0	0.00	1.70	0.85
L0001056		0	0.26750E-07	402874.9	3771026.9	182.0	0.00	1.70	0.85
L0001057		0	0.26750E-07	402873.9	3771023.4	182.0	0.00	1.70	0.85
L0001058		0	0.26750E-07	402872.8	3771019.9	182.0	0.00	1.70	0.85
L0001059		0	0.26750E-07	402871.8	3771016.4	182.0	0.00	1.70	0.85
L0001060		0	0.26750E-07	402871.0	3771012.8	182.0	0.00	1.70	0.85
L0001061		0	0.26750E-07	402870.1	3771009.2	182.0	0.00	1.70	0.85
L0001062		0	0.26750E-07	402869.3	3771005.7	182.0	0.00	1.70	0.85
L0001063		0	0.26750E-07	402868.4	3771002.1	182.0	0.00	1.70	0.85
L0001064		0	0.26750E-07	402867.5	3770998.6	182.0	0.00	1.70	0.85
L0001065		0	0.26750E-07	402866.7	3770995.0	182.0	0.00	1.70	0.85
L0001066		0	0.26750E-07	402865.8	3770991.4	182.0	0.00	1.70	0.85
L0001067		0	0.26750E-07	402865.0	3770987.9	182.0	0.00	1.70	0.85
L0001068		0	0.26750E-07	402864.1	3770984.3	182.0	0.00	1.70	0.85
L0001069		0	0.26750E-07	402863.3	3770980.8	182.0	0.00	1.70	0.85
L0001070		0	0.26750E-07	402862.4	3770977.2	182.0	0.00	1.70	0.85
L0001071		0	0.26750E-07	402861.6	3770973.6	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001072	0	0.26750E-07	402860.7	3770970.1	182.0	0.00	1.70	0.85	YES
L0001073	0	0.26750E-07	402859.9	3770966.5	182.0	0.00	1.70	0.85	YES
L0001074	0	0.26750E-07	402859.0	3770963.0	182.0	0.00	1.70	0.85	YES
L0001075	0	0.26750E-07	402858.2	3770959.4	182.0	0.00	1.70	0.85	YES
L0001076	0	0.26750E-07	402857.3	3770955.9	182.0	0.00	1.70	0.85	YES
L0001077	0	0.26750E-07	402856.5	3770952.3	182.0	0.00	1.70	0.85	YES
L0001078	0	0.26750E-07	402856.1	3770948.6	182.0	0.00	1.70	0.85	YES
L0001079	0	0.26750E-07	402855.8	3770945.0	182.0	0.00	1.70	0.85	YES
L0001080	0	0.26750E-07	402855.5	3770941.4	182.0	0.00	1.70	0.85	YES
L0001081	0	0.26750E-07	402855.1	3770937.7	182.0	0.00	1.70	0.85	YES
L0001082	0	0.26750E-07	402854.8	3770934.1	182.0	0.00	1.70	0.85	YES
L0001083	0	0.26750E-07	402854.4	3770930.4	182.0	0.00	1.70	0.85	YES
L0001084	0	0.26750E-07	402854.1	3770926.8	182.0	0.00	1.70	0.85	YES
L0001085	0	0.26750E-07	402853.7	3770923.1	182.0	0.00	1.70	0.85	YES
L0001086	0	0.26750E-07	402853.4	3770919.5	182.0	0.00	1.70	0.85	YES

L0001087		0	0.26750E-07	402853.1	3770915.8	182.0	0.00	1.70	0.85
L0001088		0	0.26750E-07	402852.9	3770912.2	182.0	0.00	1.70	0.85
L0001089		0	0.26750E-07	402852.8	3770908.5	182.0	0.00	1.70	0.85
L0001090		0	0.26750E-07	402852.6	3770904.9	182.0	0.00	1.70	0.85
L0001091		0	0.26750E-07	402852.5	3770901.2	182.0	0.00	1.70	0.85
L0001092		0	0.26750E-07	402852.4	3770897.6	182.0	0.00	1.70	0.85
L0001093		0	0.26750E-07	402852.3	3770893.9	182.0	0.00	1.70	0.85
L0001094		0	0.26750E-07	402852.2	3770890.2	182.0	0.00	1.70	0.85
L0001095		0	0.26750E-07	402852.1	3770886.6	182.0	0.00	1.70	0.85
L0001096		0	0.26750E-07	402852.1	3770882.9	182.0	0.00	1.70	0.85
L0001097		0	0.26750E-07	402852.1	3770879.3	182.0	0.00	1.70	0.85
L0001098		0	0.26750E-07	402852.1	3770875.6	182.0	0.00	1.70	0.85
L0001099		0	0.26750E-07	402852.1	3770871.9	182.0	0.00	1.70	0.85
L0001100		0	0.26750E-07	402852.1	3770868.3	182.0	0.00	1.70	0.85
L0001101		0	0.26750E-07	402852.1	3770864.6	182.0	0.00	1.70	0.85
L0001102		0	0.26750E-07	402852.1	3770861.0	182.0	0.00	1.70	0.85
L0001103		0	0.26750E-07	402852.1	3770857.3	182.0	0.00	1.70	0.85
L0001104		0	0.26750E-07	402852.2	3770853.6	182.0	0.00	1.70	0.85
L0001105		0	0.26750E-07	402852.2	3770850.0	182.0	0.00	1.70	0.85
L0001106		0	0.26750E-07	402852.2	3770846.3	182.0	0.00	1.70	0.85
L0001107		0	0.26750E-07	402852.2	3770842.7	182.0	0.00	1.70	0.85
L0001108		0	0.26750E-07	402852.2	3770839.0	182.0	0.00	1.70	0.85
L0001109		0	0.26750E-07	402852.2	3770835.3	182.0	0.00	1.70	0.85
L0001110		0	0.26750E-07	402852.2	3770831.7	182.0	0.00	1.70	0.85
L0001111		0	0.26750E-07	402852.2	3770828.0	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001112	0	0.26750E-07	402852.2	3770824.4	182.0	0.00	1.70	0.85	YES	
L0001113	0	0.26750E-07	402852.3	3770820.7	182.0	0.00	1.70	0.85	YES	
L0001114	0	0.26750E-07	402852.3	3770817.0	182.0	0.00	1.70	0.85	YES	
L0001115	0	0.26750E-07	402852.3	3770813.4	182.0	0.00	1.70	0.85	YES	
L0001116	0	0.26750E-07	402852.3	3770809.7	182.0	0.00	1.70	0.85	YES	
L0001117	0	0.26750E-07	402852.3	3770806.1	182.0	0.00	1.70	0.85	YES	
L0001118	0	0.26750E-07	402852.3	3770802.4	182.0	0.00	1.70	0.85	YES	
L0001119	0	0.26750E-07	402852.3	3770798.7	182.0	0.00	1.70	0.85	YES	
L0001120	0	0.26750E-07	402852.3	3770795.1	182.0	0.00	1.70	0.85	YES	
L0001121	0	0.26750E-07	402852.3	3770791.4	182.0	0.00	1.70	0.85	YES	
L0001122	0	0.26750E-07	402852.4	3770787.8	182.0	0.00	1.70	0.85	YES	
L0001123	0	0.26750E-07	402852.4	3770784.1	182.0	0.00	1.70	0.85	YES	
L0001124	0	0.26750E-07	402852.4	3770780.4	182.0	0.00	1.70	0.85	YES	
L0001125	0	0.26750E-07	402852.4	3770776.8	182.0	0.00	1.70	0.85	YES	
L0001126	0	0.26750E-07	402852.4	3770773.1	182.0	0.00	1.70	0.85	YES	

L0001127		0	0.26750E-07	402852.4	3770769.5	182.0	0.00	1.70	0.85
YES									
L0001128		0	0.26750E-07	402852.4	3770765.8	182.0	0.00	1.70	0.85
YES									
L0001129		0	0.26750E-07	402852.4	3770762.1	182.0	0.00	1.70	0.85
YES									
L0001130		0	0.26750E-07	402852.4	3770758.5	182.0	0.00	1.70	0.85
YES									
L0001131		0	0.26750E-07	402852.5	3770754.8	182.0	0.00	1.70	0.85
YES									
L0001132		0	0.26750E-07	402852.5	3770751.2	182.0	0.00	1.70	0.85
YES									
L0001133		0	0.26750E-07	402852.5	3770747.5	182.0	0.00	1.70	0.85
YES									
L0001134		0	0.26750E-07	402852.5	3770743.8	182.0	0.00	1.70	0.85
YES									
L0001135		0	0.26750E-07	402852.5	3770740.2	182.0	0.00	1.70	0.85
YES									
L0001136		0	0.26750E-07	402852.5	3770736.5	182.0	0.00	1.70	0.85
YES									
L0001137		0	0.26750E-07	402852.5	3770732.9	182.0	0.00	1.70	0.85
YES									
L0001138		0	0.26750E-07	402852.5	3770729.2	182.0	0.00	1.70	0.85
YES									
L0001139		0	0.26750E-07	402852.5	3770725.5	182.0	0.00	1.70	0.85
YES									
L0001140		0	0.26750E-07	402852.6	3770721.9	182.0	0.00	1.70	0.85
YES									
L0001141		0	0.26750E-07	402852.6	3770718.2	182.0	0.00	1.70	0.85
YES									
L0001142		0	0.26750E-07	402852.6	3770714.6	182.0	0.00	1.70	0.85
YES									
L0001143		0	0.26750E-07	402852.6	3770710.9	182.0	0.00	1.70	0.85
YES									
L0001144		0	0.26750E-07	402852.6	3770707.2	182.0	0.00	1.70	0.85
YES									
L0001145		0	0.26750E-07	402852.6	3770703.6	182.0	0.00	1.70	0.85
YES									
L0001146		0	0.26750E-07	402852.6	3770699.9	182.0	0.00	1.70	0.85
YES									
L0001147		0	0.26750E-07	402852.6	3770696.3	182.0	0.00	1.70	0.85
YES									
L0001148		0	0.26750E-07	402852.6	3770692.6	182.0	0.00	1.70	0.85
YES									
L0001149		0	0.26750E-07	402852.7	3770688.9	182.0	0.00	1.70	0.85
YES									
L0001150		0	0.26750E-07	402852.7	3770685.3	182.0	0.00	1.70	0.85
YES									
L0001151		0	0.26750E-07	402852.8	3770681.6	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001152	0	0.26750E-07	402852.9	3770678.0	182.0	0.00	1.70	0.85	YES
L0001153	0	0.26750E-07	402853.0	3770674.3	182.0	0.00	1.70	0.85	YES
L0001154	0	0.26750E-07	402853.0	3770670.7	182.0	0.00	1.70	0.85	YES
L0001155	0	0.26750E-07	402853.1	3770667.0	182.0	0.00	1.70	0.85	YES
L0001156	0	0.26750E-07	402853.2	3770663.3	182.0	0.00	1.70	0.85	YES
L0001157	0	0.26750E-07	402853.2	3770659.7	182.0	0.00	1.70	0.85	YES
L0001158	0	0.26750E-07	402853.3	3770656.0	182.0	0.00	1.70	0.85	YES
L0001159	0	0.26750E-07	402853.4	3770652.4	182.0	0.00	1.70	0.85	YES
L0001160	0	0.26750E-07	402853.4	3770648.7	182.0	0.00	1.70	0.85	YES
L0001161	0	0.26750E-07	402853.5	3770645.0	182.0	0.00	1.70	0.85	YES
L0001162	0	0.26750E-07	402853.6	3770641.4	182.0	0.00	1.70	0.85	YES
L0001163	0	0.26750E-07	402853.6	3770637.7	182.0	0.00	1.70	0.85	YES
L0001164	0	0.26750E-07	402853.7	3770634.1	182.0	0.00	1.70	0.85	YES
L0001165	0	0.26750E-07	402853.8	3770630.4	182.0	0.00	1.70	0.85	YES
L0001166	0	0.26750E-07	402853.8	3770626.7	182.0	0.00	1.70	0.85	YES

L0001167	0	0.26750E-07	402853.9	3770623.1	182.0	0.00	1.70	0.85	YES
L0001168	0	0.26750E-07	402854.0	3770619.4	182.0	0.00	1.70	0.85	YES
L0001169	0	0.26750E-07	402854.1	3770615.8	182.0	0.00	1.70	0.85	YES
L0001170	0	0.26750E-07	402854.1	3770612.1	182.0	0.00	1.70	0.85	YES
L0001171	0	0.26750E-07	402854.2	3770608.4	182.0	0.00	1.70	0.85	YES
L0001172	0	0.26750E-07	402854.3	3770604.8	182.0	0.00	1.70	0.85	YES
L0001173	0	0.26750E-07	402854.3	3770601.1	182.0	0.00	1.70	0.85	YES
L0001174	0	0.26750E-07	402854.4	3770597.5	182.0	0.00	1.70	0.85	YES
L0001175	0	0.26750E-07	402854.5	3770593.8	182.0	0.00	1.70	0.85	YES
L0001176	0	0.26750E-07	402854.5	3770590.1	182.0	0.00	1.70	0.85	YES
L0001177	0	0.26750E-07	402854.6	3770586.5	182.0	0.00	1.70	0.85	YES
L0001178	0	0.26750E-07	402854.7	3770582.8	182.0	0.00	1.70	0.85	YES
L0001179	0	0.26750E-07	402854.7	3770579.2	182.0	0.00	1.70	0.85	YES
L0001180	0	0.26750E-07	402854.8	3770575.5	182.0	0.00	1.70	0.85	YES
L0001181	0	0.26750E-07	402854.9	3770571.8	182.0	0.00	1.70	0.85	YES
L0001182	0	0.26750E-07	402854.9	3770568.2	182.0	0.00	1.70	0.85	YES
L0001183	0	0.26750E-07	402855.0	3770564.5	182.0	0.00	1.70	0.85	YES
L0001184	0	0.26750E-07	402855.1	3770560.9	182.0	0.00	1.70	0.85	YES
L0001185	0	0.26750E-07	402855.1	3770557.2	182.0	0.00	1.70	0.85	YES
L0001186	0	0.26750E-07	402855.2	3770553.6	182.0	0.00	1.70	0.85	YES
L0001187	0	0.26750E-07	402855.3	3770549.9	182.0	0.00	1.70	0.85	YES
L0001188	0	0.26750E-07	402855.4	3770546.2	182.0	0.00	1.70	0.85	YES
L0001189	0	0.26750E-07	402855.4	3770542.6	182.0	0.00	1.70	0.85	YES
L0001190	0	0.26750E-07	402855.5	3770538.9	182.0	0.00	1.70	0.85	YES
L0001191	0	0.26750E-07	402855.6	3770535.3	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001192	0	0.26750E-07	402855.6	3770531.6	182.0	0.00	1.70	0.85	YES
L0001193	0	0.26750E-07	402855.7	3770527.9	182.0	0.00	1.70	0.85	YES
L0001194	0	0.26750E-07	402855.8	3770524.3	182.0	0.00	1.70	0.85	YES
L0001195	0	0.26750E-07	402855.8	3770520.6	182.0	0.00	1.70	0.85	YES
L0001196	0	0.26750E-07	402855.9	3770517.0	182.0	0.00	1.70	0.85	YES
L0001197	0	0.26750E-07	402856.0	3770513.3	182.0	0.00	1.70	0.85	YES
L0001198	0	0.26750E-07	402856.0	3770509.6	182.0	0.00	1.70	0.85	YES
L0001199	0	0.26750E-07	402856.1	3770506.0	182.0	0.00	1.70	0.85	YES
L0001200	0	0.26750E-07	402856.2	3770502.3	182.0	0.00	1.70	0.85	YES
L0001201	0	0.26750E-07	402856.2	3770498.7	182.0	0.00	1.70	0.85	YES
L0001202	0	0.26750E-07	402856.3	3770495.0	182.0	0.00	1.70	0.85	YES
L0001203	0	0.26750E-07	402856.4	3770491.3	182.0	0.00	1.70	0.85	YES
L0001204	0	0.26750E-07	402856.5	3770487.7	182.0	0.00	1.70	0.85	YES
L0001205	0	0.26750E-07	402856.5	3770484.0	182.0	0.00	1.70	0.85	YES
L0001206	0	0.26750E-07	402856.6	3770480.4	182.0	0.00	1.70	0.85	YES

L0001207		0	0.26750E-07	402856.7	3770476.7	182.0	0.00	1.70	0.85
YES									
L0001208		0	0.26750E-07	402856.7	3770473.0	182.0	0.00	1.70	0.85
YES									
L0001209		0	0.26750E-07	402856.8	3770469.4	182.0	0.00	1.70	0.85
YES									
L0001210		0	0.26750E-07	402856.9	3770465.7	182.0	0.00	1.70	0.85
YES									
L0001211		0	0.26750E-07	402856.9	3770462.1	182.0	0.00	1.70	0.85
YES									
L0001212		0	0.26750E-07	402857.0	3770458.4	182.0	0.00	1.70	0.85
YES									
L0001213		0	0.26750E-07	402857.1	3770454.8	182.0	0.00	1.70	0.85
YES									
L0001214		0	0.26750E-07	402857.1	3770451.1	182.0	0.00	1.70	0.85
YES									
L0001215		0	0.26750E-07	402857.2	3770447.4	182.0	0.00	1.70	0.85
YES									
L0001216		0	0.26750E-07	402857.3	3770443.8	182.0	0.00	1.70	0.85
YES									
L0001217		0	0.26750E-07	402857.3	3770440.1	182.0	0.00	1.70	0.85
YES									
L0001218		0	0.26750E-07	402857.4	3770436.5	182.0	0.00	1.70	0.85
YES									
L0001219		0	0.26750E-07	402857.5	3770432.8	182.0	0.00	1.70	0.85
YES									
L0001220		0	0.26750E-07	402857.6	3770429.1	182.0	0.00	1.70	0.85
YES									
L0001221		0	0.26750E-07	402857.6	3770425.5	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
DIESEL	STCK1 , STCK2 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 ,
	L0000638 , L0000639 , L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 ,
	L0000646 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 ,
	L0000654 , L0000655 , L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 ,
	L0000662 , L0000663 , L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 ,
	L0000670 , L0000671 , L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 ,
	L0000678 , L0000679 , L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 ,
	L0000686 , L0000687 , L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 ,
	L0000694 , L0000695 , L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 ,
	L0000702 , L0000703 , L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 ,
	L0000710 , L0000711 , L0000712 , L0000713 , L0000714 , L0000715 , L0000716 , L0000717 ,
	L0000718 , L0000719 , L0000720 , L0000721 , L0000722 , L0000723 , L0000724 , L0000725 ,

L0000726 , L0000727 , L0000728 , L0000729 ,
L0000730 , L0000731 , L0000732 , L0000733 ,

L0000734 , L0000735 , L0000736 , L0000737 ,
L0000738 , L0000739 , L0000740 , L0000741 ,

L0000742 , L0000743 , L0000744 , L0000745 ,
L0000746 , L0000747 , L0000748 , L0000749 ,

L0000750 , L0000751 , L0000752 , L0000753 ,
L0000754 , L0000755 , L0000756 , L0000757 ,

L0000758 , L0000759 , L0000760 , L0000761 ,
L0000762 , L0000763 , L0000764 , L0000765 ,

L0000766 , L0000767 , L0000768 , L0000769 ,
L0000770 , L0000771 , L0000772 , L0000773 ,

L0000774 , L0000775 , L0000776 , L0000777 ,
L0000778 , L0000779 , L0000780 , L0000781 ,

L0000782 , L0000783 , L0000784 , L0000785 ,
L0000786 , L0000787 , L0000788 , L0000789 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0000790 , L0000791 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 ,
	L0000798 , L0000799 , L0000800 , L0000801 , L0000802 , L0000803 , L0000804 , L0000805 ,
	L0000806 , L0000807 , L0000808 , L0000809 , L0000810 , L0000811 , L0000812 , L0000813 ,
	L0000814 , L0000815 , L0000816 , L0000817 , L0000818 , L0000819 , L0000820 , L0000821 ,
	L0000822 , L0000823 , L0000824 , L0000825 , L0000826 , L0000827 , L0000828 , L0000829 ,
	L0000830 , L0000831 , L0000832 , L0000833 , L0000834 , L0000835 , L0000836 , L0000837 ,
	L0000838 , L0000839 , L0000840 , L0000841 , L0000842 , L0000843 , L0000844 , L0000845 ,
	L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 , L0000853 ,
	L0000854 , L0000855 , L0000856 , L0000857 , L0000858 , L0000859 , L0000860 , L0000861 ,
	L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , L0000868 , L0000869 ,
	L0000870 , L0000871 , L0000872 , L0000873 , L0000874 , L0000875 , L0000876 , L0000877 ,
	L0000878 , L0000879 , L0000880 , L0000881 , L0000882 , L0000883 , L0000884 , L0000885 ,

L0000886 , L0000887 , L0000888 , L0000889 ,
L0000890 , L0000891 , L0000892 , L0000893 ,

L0000894 , L0000895 , L0000896 , L0000897 ,
L0000898 , L0000899 , L0000900 , L0000901 ,

L0000902 , L0000903 , L0000904 , L0000905 ,
L0000906 , L0000907 , L0000908 , L0000909 ,

L0000910 , L0000911 , L0000912 , L0000913 ,
L0000914 , L0000915 , L0000916 , L0000917 ,

L0000918 , L0000919 , L0000920 , L0000921 ,
L0000922 , L0000923 , L0000924 , L0000925 ,

L0000926 , L0000927 , L0000928 , L0000929 ,
L0000930 , L0000931 , L0000932 , L0000933 ,

L0000934 , L0000935 , L0000936 , L0000937 ,
L0000938 , L0000939 , L0000940 , L0000941 ,

L0000942 , L0000943 , L0000944 , L0000945 ,
L0000946 , L0000947 , L0000948 , L0000949 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0000950 , L0000951 , L0000952 , L0000953 , L0000954 , L0000955 , L0000956 , L0000957 ,
	L0000958 , L0000959 , L0000960 , L0000961 , L0000962 , L0000963 , L0000964 , L0000965 ,
	L0000966 , L0000967 , L0000968 , L0000969 , L0000970 , L0000971 , L0000972 , L0000973 ,
	L0000974 , L0000975 , L0000976 , L0000977 , L0000978 , L0000979 , L0000980 , L0000981 ,
	L0000982 , L0000983 , L0000984 , L0000985 , L0000986 , L0000987 , L0000988 , L0000989 ,
	L0000990 , L0000991 , L0000992 , L0000993 , L0000994 , L0000995 , L0000996 , L0000997 ,
	L0000998 , L0000999 , L0001000 , L0001001 , L0001002 , L0001003 , L0001004 , L0001005 ,
	L0001006 , L0001007 , L0001008 , L0001009 , L0001010 , L0001011 , L0001012 , L0001013 ,
	L0001014 , L0001015 , L0001016 , L0001017 , L0001018 , L0001019 , L0001020 , L0001021 ,
	L0001022 , L0001023 , L0001024 , L0001025 , L0001026 , L0001027 , L0001028 , L0001029 ,
	L0001030 , L0001031 , L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 ,
	L0001038 , L0001039 , L0001040 , L0001041 , L0001042 , L0001043 , L0001044 , L0001045 ,

L0001046 , L0001047 , L0001048 , L0001049 ,
L0001050 , L0001051 , L0001052 , L0001053 ,

L0001054 , L0001055 , L0001056 , L0001057 ,
L0001058 , L0001059 , L0001060 , L0001061 ,

L0001062 , L0001063 , L0001064 , L0001065 ,
L0001066 , L0001067 , L0001068 , L0001069 ,

L0001070 , L0001071 , L0001072 , L0001073 ,
L0001074 , L0001075 , L0001076 , L0001077 ,

L0001078 , L0001079 , L0001080 , L0001081 ,
L0001082 , L0001083 , L0001084 , L0001085 ,

L0001086 , L0001087 , L0001088 , L0001089 ,
L0001090 , L0001091 , L0001092 , L0001093 ,

L0001094 , L0001095 , L0001096 , L0001097 ,
L0001098 , L0001099 , L0001100 , L0001101 ,

L0001102 , L0001103 , L0001104 , L0001105 ,
L0001106 , L0001107 , L0001108 , L0001109 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
	L0001110	L0001111	L0001112	L0001113	L0001114	L0001115	L0001116	L0001117
	L0001118	L0001119	L0001120	L0001121	L0001122	L0001123	L0001124	L0001125
	L0001126	L0001127	L0001128	L0001129	L0001130	L0001131	L0001132	L0001133
	L0001134	L0001135	L0001136	L0001137	L0001138	L0001139	L0001140	L0001141
	L0001142	L0001143	L0001144	L0001145	L0001146	L0001147	L0001148	L0001149
	L0001150	L0001151	L0001152	L0001153	L0001154	L0001155	L0001156	L0001157
	L0001158	L0001159	L0001160	L0001161	L0001162	L0001163	L0001164	L0001165
	L0001166	L0001167	L0001168	L0001169	L0001170	L0001171	L0001172	L0001173
	L0001174	L0001175	L0001176	L0001177	L0001178	L0001179	L0001180	L0001181
	L0001182	L0001183	L0001184	L0001185	L0001186	L0001187	L0001188	L0001189
	L0001190	L0001191	L0001192	L0001193	L0001194	L0001195	L0001196	L0001197
	L0001198	L0001199	L0001200	L0001201	L0001202	L0001203	L0001204	L0001205

```
            L0001206    , L0001207    , L0001208    , L0001209    ,
L0001210    , L0001211    , L0001212    , L0001213    ,

            L0001214    , L0001215    , L0001216    , L0001217    ,
L0001218    , L0001219    , L0001220    , L0001221    ,


  COOKING   STCK3       ,


  ALL       STCK1       , STCK2       , STCK3       , L0000632    ,
L0000633    , L0000634    , L0000635    , L0000636    ,

            L0000637    , L0000638    , L0000639    , L0000640    ,
L0000641    , L0000642    , L0000643    , L0000644    ,

            L0000645    , L0000646    , L0000647    , L0000648    ,
L0000649    , L0000650    , L0000651    , L0000652    ,

            L0000653    , L0000654    , L0000655    , L0000656    ,
L0000657    , L0000658    , L0000659    , L0000660    ,

            L0000661    , L0000662    , L0000663    , L0000664    ,
L0000665    , L0000666    , L0000667    , L0000668    ,
```

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0000669 , L0000670 , L0000671 , L0000672 , L0000673 , L0000674 , L0000675 , L0000676 ,
	L0000677 , L0000678 , L0000679 , L0000680 , L0000681 , L0000682 , L0000683 , L0000684 ,
	L0000685 , L0000686 , L0000687 , L0000688 , L0000689 , L0000690 , L0000691 , L0000692 ,
	L0000693 , L0000694 , L0000695 , L0000696 , L0000697 , L0000698 , L0000699 , L0000700 ,
	L0000701 , L0000702 , L0000703 , L0000704 , L0000705 , L0000706 , L0000707 , L0000708 ,
	L0000709 , L0000710 , L0000711 , L0000712 , L0000713 , L0000714 , L0000715 , L0000716 ,
	L0000717 , L0000718 , L0000719 , L0000720 , L0000721 , L0000722 , L0000723 , L0000724 ,
	L0000725 , L0000726 , L0000727 , L0000728 , L0000729 , L0000730 , L0000731 , L0000732 ,
	L0000733 , L0000734 , L0000735 , L0000736 , L0000737 , L0000738 , L0000739 , L0000740 ,
	L0000741 , L0000742 , L0000743 , L0000744 , L0000745 , L0000746 , L0000747 , L0000748 ,
	L0000749 , L0000750 , L0000751 , L0000752 , L0000753 , L0000754 , L0000755 , L0000756 ,
	L0000757 , L0000758 , L0000759 , L0000760 , L0000761 , L0000762 , L0000763 , L0000764 ,

L0000765 , L0000766 , L0000767 , L0000768 ,
L0000769 , L0000770 , L0000771 , L0000772 ,

L0000773 , L0000774 , L0000775 , L0000776 ,
L0000777 , L0000778 , L0000779 , L0000780 ,

L0000781 , L0000782 , L0000783 , L0000784 ,
L0000785 , L0000786 , L0000787 , L0000788 ,

L0000789 , L0000790 , L0000791 , L0000792 ,
L0000793 , L0000794 , L0000795 , L0000796 ,

L0000797 , L0000798 , L0000799 , L0000800 ,
L0000801 , L0000802 , L0000803 , L0000804 ,

L0000805 , L0000806 , L0000807 , L0000808 ,
L0000809 , L0000810 , L0000811 , L0000812 ,

L0000813 , L0000814 , L0000815 , L0000816 ,
L0000817 , L0000818 , L0000819 , L0000820 ,

L0000821 , L0000822 , L0000823 , L0000824 ,
L0000825 , L0000826 , L0000827 , L0000828 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0000829 , L0000830 , L0000831 , L0000832 , L0000833 , L0000834 , L0000835 , L0000836 ,
	L0000837 , L0000838 , L0000839 , L0000840 , L0000841 , L0000842 , L0000843 , L0000844 ,
	L0000845 , L0000846 , L0000847 , L0000848 , L0000849 , L0000850 , L0000851 , L0000852 ,
	L0000853 , L0000854 , L0000855 , L0000856 , L0000857 , L0000858 , L0000859 , L0000860 ,
	L0000861 , L0000862 , L0000863 , L0000864 , L0000865 , L0000866 , L0000867 , L0000868 ,
	L0000869 , L0000870 , L0000871 , L0000872 , L0000873 , L0000874 , L0000875 , L0000876 ,
	L0000877 , L0000878 , L0000879 , L0000880 , L0000881 , L0000882 , L0000883 , L0000884 ,
	L0000885 , L0000886 , L0000887 , L0000888 , L0000889 , L0000890 , L0000891 , L0000892 ,
	L0000893 , L0000894 , L0000895 , L0000896 , L0000897 , L0000898 , L0000899 , L0000900 ,
	L0000901 , L0000902 , L0000903 , L0000904 , L0000905 , L0000906 , L0000907 , L0000908 ,
	L0000909 , L0000910 , L0000911 , L0000912 , L0000913 , L0000914 , L0000915 , L0000916 ,
	L0000917 , L0000918 , L0000919 , L0000920 , L0000921 , L0000922 , L0000923 , L0000924 ,

L0000925 , L0000926 , L0000927 , L0000928 ,
L0000929 , L0000930 , L0000931 , L0000932 ,

L0000933 , L0000934 , L0000935 , L0000936 ,
L0000937 , L0000938 , L0000939 , L0000940 ,

L0000941 , L0000942 , L0000943 , L0000944 ,
L0000945 , L0000946 , L0000947 , L0000948 ,

L0000949 , L0000950 , L0000951 , L0000952 ,
L0000953 , L0000954 , L0000955 , L0000956 ,

L0000957 , L0000958 , L0000959 , L0000960 ,
L0000961 , L0000962 , L0000963 , L0000964 ,

L0000965 , L0000966 , L0000967 , L0000968 ,
L0000969 , L0000970 , L0000971 , L0000972 ,

L0000973 , L0000974 , L0000975 , L0000976 ,
L0000977 , L0000978 , L0000979 , L0000980 ,

L0000981 , L0000982 , L0000983 , L0000984 ,
L0000985 , L0000986 , L0000987 , L0000988 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
	L0000989	L0000990	L0000991	L0000992	L0000993	L0000994	L0000995	L0000996
	L0000997	L0000998	L0000999	L0001000	L0001001	L0001002	L0001003	L0001004
	L0001005	L0001006	L0001007	L0001008	L0001009	L0001010	L0001011	L0001012
	L0001013	L0001014	L0001015	L0001016	L0001017	L0001018	L0001019	L0001020
	L0001021	L0001022	L0001023	L0001024	L0001025	L0001026	L0001027	L0001028
	L0001029	L0001030	L0001031	L0001032	L0001033	L0001034	L0001035	L0001036
	L0001037	L0001038	L0001039	L0001040	L0001041	L0001042	L0001043	L0001044
	L0001045	L0001046	L0001047	L0001048	L0001049	L0001050	L0001051	L0001052
	L0001053	L0001054	L0001055	L0001056	L0001057	L0001058	L0001059	L0001060
	L0001061	L0001062	L0001063	L0001064	L0001065	L0001066	L0001067	L0001068
	L0001069	L0001070	L0001071	L0001072	L0001073	L0001074	L0001075	L0001076
	L0001077	L0001078	L0001079	L0001080	L0001081	L0001082	L0001083	L0001084

L0001085 , L0001086 , L0001087 , L0001088 ,
L0001089 , L0001090 , L0001091 , L0001092 ,

L0001093 , L0001094 , L0001095 , L0001096 ,
L0001097 , L0001098 , L0001099 , L0001100 ,

L0001101 , L0001102 , L0001103 , L0001104 ,
L0001105 , L0001106 , L0001107 , L0001108 ,

L0001109 , L0001110 , L0001111 , L0001112 ,
L0001113 , L0001114 , L0001115 , L0001116 ,

L0001117 , L0001118 , L0001119 , L0001120 ,
L0001121 , L0001122 , L0001123 , L0001124 ,

L0001125 , L0001126 , L0001127 , L0001128 ,
L0001129 , L0001130 , L0001131 , L0001132 ,

L0001133 , L0001134 , L0001135 , L0001136 ,
L0001137 , L0001138 , L0001139 , L0001140 ,

L0001141 , L0001142 , L0001143 , L0001144 ,
L0001145 , L0001146 , L0001147 , L0001148 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0001149 , L0001150 , L0001151 , L0001152 , L0001153 , L0001154 , L0001155 , L0001156 ,
	L0001157 , L0001158 , L0001159 , L0001160 , L0001161 , L0001162 , L0001163 , L0001164 ,
	L0001165 , L0001166 , L0001167 , L0001168 , L0001169 , L0001170 , L0001171 , L0001172 ,
	L0001173 , L0001174 , L0001175 , L0001176 , L0001177 , L0001178 , L0001179 , L0001180 ,
	L0001181 , L0001182 , L0001183 , L0001184 , L0001185 , L0001186 , L0001187 , L0001188 ,
	L0001189 , L0001190 , L0001191 , L0001192 , L0001193 , L0001194 , L0001195 , L0001196 ,
	L0001197 , L0001198 , L0001199 , L0001200 , L0001201 , L0001202 , L0001203 , L0001204 ,
	L0001205 , L0001206 , L0001207 , L0001208 , L0001209 , L0001210 , L0001211 , L0001212 ,
	L0001213 , L0001214 , L0001215 , L0001216 , L0001217 , L0001218 , L0001219 , L0001220 ,
	L0001221 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

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

(403558.2, 3771092.3, 182.0, 182.0, 1.5); (403587.7, 3771262.4, 182.0, 182.0, 1.5);
(403568.5, 3771148.9, 182.0, 182.0, 1.5); (403579.5, 3771203.3, 182.0, 182.0, 1.5);
(403599.3, 3771304.9, 182.0, 182.0, 1.5); (403605.9, 3771351.6, 182.0, 182.0, 1.5);
(403548.3, 3771036.1, 182.0, 182.0, 1.5); (403623.8, 3771430.5, 182.0, 182.0, 1.5);
(403775.1, 3771547.0, 182.0, 182.0, 1.5); (403868.4, 3771514.0, 182.0, 182.0, 1.5);
(404097.7, 3771497.7, 182.0, 182.0, 1.5); (404179.3, 3771428.0, 182.0, 182.0, 1.5);
(403572.5, 3770831.4, 182.0, 182.0, 1.5); (403656.4, 3770834.0, 182.0, 182.0, 1.5);
(403737.8, 3770830.6, 182.0, 182.0, 1.5);

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** 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 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 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,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

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

Surface file: ..\azus6.sfc
Met Version: 12345
Profile file: ..\azus6.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3190 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-34.3	0.336	-9.000	-9.000	-999.	447.	97.5	0.36	1.00	1.00	3.10	25.	9.1	280.9	5.5
05	01	01	1	02	-41.5	0.406	-9.000	-9.000	-999.	595.	142.6	0.36	1.00	1.00	3.60	23.	9.1	280.9	5.5
05	01	01	1	03	-54.0	0.527	-9.000	-9.000	-999.	879.	239.5	0.36	1.00	1.00	4.50	31.	9.1	280.4	5.5
05	01	01	1	04	-41.6	0.406	-9.000	-9.000	-999.	605.	142.3	0.36	1.00	1.00	3.60	32.	9.1	280.4	5.5
05	01	01	1	05	-34.4	0.336	-9.000	-9.000	-999.	450.	97.2	0.36	1.00	1.00	3.10	38.	9.1	280.4	5.5
05	01	01	1	06	-41.7	0.406	-9.000	-9.000	-999.	595.	142.0	0.36	1.00	1.00	3.60	35.	9.1	279.9	5.5
05	01	01	1	07	-47.2	0.460	-9.000	-9.000	-999.	718.	182.5	0.36	1.00	1.00	4.00	33.	9.1	279.9	5.5
05	01	01	1	08	-36.5	0.412	-9.000	-9.000	-999.	610.	169.4	0.36	1.00	0.55	3.60	30.	9.1	279.9	5.5
05	01	01	1	09	24.0	0.296	0.336	0.005	55.	378.	-95.7	0.36	1.00	0.32	2.20	57.	9.1	280.9	5.5
05	01	01	1	10	77.9	0.220	1.189	0.005	764.	240.	-12.1	0.36	1.00	0.25	1.30	97.	9.1	285.4	5.5
05	01	01	1	11	108.6	0.286	1.449	0.007	992.	351.	-19.0	0.36	1.00	0.22	1.80	149.	9.1	285.9	5.5
05	01	01	1	12	123.8	0.232	1.622	0.010	1221.	258.	-8.9	0.36	1.00	0.21	1.30	191.	9.1	286.4	5.5

```
 05 01 01   1 13  109.9  0.286  1.570  0.009 1245.  352.    -18.8  0.36
1.00   0.21    1.80  214.    9.1  286.4    5.5
 05 01 01   1 14   38.3  0.205  1.107  0.009 1254.  216.    -19.9  0.36
1.00   0.22    1.30  237.    9.1  285.9    5.5
 05 01 01   1 15   20.8  0.249  0.905  0.009 1258.  286.    -65.7  0.36
1.00   0.26    1.80  239.    9.1  285.4    5.5
 05 01 01   1 16    3.3  0.278  0.491  0.009 1258.  336.   -569.9  0.36
1.00   0.35    2.20  241.    9.1  284.9    5.5
 05 01 01   1 17   -9.7  0.168 -9.000 -9.000 -999.  164.     43.3  0.36
1.00   0.62    1.80  236.    9.1  284.9    5.5
 05 01 01   1 18   -2.5  0.056 -9.000 -9.000 -999.   42.      6.2  0.36
1.00   1.00    0.90  263.    9.1  284.2    5.5
 05 01 01   1 19   -5.2  0.081 -9.000 -9.000 -999.   53.      8.9  0.36
1.00   1.00    1.30    5.    9.1  283.8    5.5
 05 01 01   1 20  -10.0  0.134 -9.000 -9.000 -999.  112.     21.1  0.36
1.00   1.00    1.80   16.    9.1  283.1    5.5
 05 01 01   1 21  -16.3  0.218 -9.000 -9.000 -999.  234.     56.0  0.36
1.00   1.00    2.20   29.    9.1  283.1    5.5
 05 01 01   1 22  -16.9  0.306 -9.000 -9.000 -999.  389.    149.7  0.36
1.00   1.00    2.70   28.    9.1  282.5    5.5
 05 01 01   1 23  -16.9  0.306 -9.000 -9.000 -999.  389.    149.4  0.36
1.00   1.00    2.70   16.    9.1  282.0    5.5
 05 01 01   1 24  -19.9  0.360 -9.000 -9.000 -999.  496.    206.7  0.36
1.00   1.00    3.10   22.    9.1  282.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   281.0   99.0  -99.00  -99.00
 05 01 01 01    9.1 1   25.    3.10  -999.0   99.0  -99.00  -99.00

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

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: DIESEL ***
INCLUDING SOURCE(S): STCK1 , STCK2 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 , L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 , L0000654 , L0000655 , L0000656 , L0000657 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403558.16	3771092.33	0.00078	403587.72	3771262.38	0.00060
403568.49	3771148.92	0.00078	403579.54	3771203.33	0.00073
403599.32	3771304.93	0.00052	403605.86	3771351.57	0.00044
403548.31	3771036.11	0.00078	403623.79	3771430.54	0.00034
403775.08	3771546.97	0.00037	403868.37	3771514.04	0.00066
404097.71	3771497.70	0.00055	404179.28	3771428.02	0.00053
403572.49	3770831.45	0.00052	403656.38	3770834.01	0.00064
403737.76	3770830.64	0.00075			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: COOKING ***
INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403558.16	3771092.33	0.00004	403587.72	3771262.38	0.00002
403568.49	3771148.92	0.00003	403579.54	3771203.33	0.00003
403599.32	3771304.93	0.00002	403605.86	3771351.57	0.00002
403548.31	3771036.11	0.00004	403623.79	3771430.54	0.00001
403775.08	3771546.97	0.00001	403868.37	3771514.04	0.00001
404097.71	3771497.70	0.00003	404179.28	3771428.02	0.00004
403572.49	3770831.45	0.00003	403656.38	3770834.01	0.00004
403737.76	3770830.64	0.00003			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 , L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 , L0000654 , L0000655 , L0000656 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403558.16	3771092.33	0.00082	403587.72	3771262.38	0.00063
403568.49	3771148.92	0.00082	403579.54	3771203.33	0.00076
403599.32	3771304.93	0.00054	403605.86	3771351.57	0.00046
403548.31	3771036.11	0.00082	403623.79	3771430.54	0.00035
403775.08	3771546.97	0.00038	403868.37	3771514.04	0.00068
404097.71	3771497.70	0.00058	404179.28	3771428.02	0.00057
403572.49	3770831.45	0.00056	403656.38	3770834.01	0.00067
403737.76	3770830.64	0.00078			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

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

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

```
          5TH HIGHEST VALUE IS       0.00003 AT (  403572.49,
3770831.45,   182.00,   182.00,    1.50)  DC
          6TH HIGHEST VALUE IS       0.00003 AT (  403568.49,
3771148.92,   182.00,   182.00,    1.50)  DC
          7TH HIGHEST VALUE IS       0.00003 AT (  403737.76,
3770830.64,   182.00,   182.00,    1.50)  DC
          8TH HIGHEST VALUE IS       0.00003 AT (  404097.71,
3771497.70,   182.00,   182.00,    1.50)  DC
          9TH HIGHEST VALUE IS       0.00003 AT (  403579.54,
3771203.33,   182.00,   182.00,    1.50)  DC
         10TH HIGHEST VALUE IS       0.00002 AT (  403587.72,
3771262.38,   182.00,   182.00,    1.50)  DC

ALL       1ST HIGHEST VALUE IS       0.00082 AT (  403558.16,
3771092.33,   182.00,   182.00,    1.50)  DC
          2ND HIGHEST VALUE IS       0.00082 AT (  403548.31,
3771036.11,   182.00,   182.00,    1.50)  DC
          3RD HIGHEST VALUE IS       0.00082 AT (  403568.49,
3771148.92,   182.00,   182.00,    1.50)  DC
          4TH HIGHEST VALUE IS       0.00078 AT (  403737.76,
3770830.64,   182.00,   182.00,    1.50)  DC
          5TH HIGHEST VALUE IS       0.00076 AT (  403579.54,
3771203.33,   182.00,   182.00,    1.50)  DC
          6TH HIGHEST VALUE IS       0.00068 AT (  403868.37,
3771514.04,   182.00,   182.00,    1.50)  DC
          7TH HIGHEST VALUE IS       0.00067 AT (  403656.38,
3770834.01,   182.00,   182.00,    1.50)  DC
          8TH HIGHEST VALUE IS       0.00063 AT (  403587.72,
3771262.38,   182.00,   182.00,    1.50)  DC
          9TH HIGHEST VALUE IS       0.00058 AT (  404097.71,
3771497.70,   182.00,   182.00,    1.50)  DC
         10TH HIGHEST VALUE IS       0.00057 AT (  404179.28,
3771428.02,   182.00,   182.00,    1.50)  DC


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

```
 *** AERMOD - VERSION  12345 ***   *** C:\Lakes\AERMOD View\08344_El
Monte Walmart\08344_El Monte Walmart\0 ***        02/19/14
                                   ***
***        12:50:04

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 **MODELOPTs:  NonDFAULT CONC                                    FLAT
FLGPOL                        FASTALL


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of         1062 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of            0 Calm Hours Identified

 A Total of         1062 Missing Hours Identified (  2.42 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W530    1433 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE
for     SURFDATA

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

AERMOD MODEL OUTPUT

WORKERS

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.2.0
** Lakes Environmental Software Inc.
** Date: 2/19/2014
** File: U:\UcJobs\_08100-08500\_08300\08344\AERMOD\08344_El Monte
Walmart (Workers)\08344_El Monte Walmart (Workers).ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\08344_El Monte Walmart\08344_El Monte
Walmart\0
   MODELOPT CONC FLAT  FASTALL
   AVERTIME ANNUAL
   URBANOPT 9862049
   POLLUTID OTHER
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "08344_El Monte Walmart (Workers).err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      403888.070  3771181.040          0.0
** DESCRSRC Walmart Truck Dock 1
   LOCATION STCK2        POINT      403873.369  3771109.214          0.0
** DESCRSRC Walmart Truck Dock 2
   LOCATION STCK3        POINT      403790.140  3771174.010          0.0
** DESCRSRC Walmart Food Cooking (Facility Type 3)
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site Travel WM
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 4.576E-06
** Vertical Dimension = 1.83
** SZINIT = 0.85
```

```
** Nodes = 18
** 403865.06, 3770930.13, 0.00, 0.00, 1.70
** 403878.22, 3771019.40, 0.00, 0.00, 1.70
** 403888.28, 3771041.85, 0.00, 0.00, 1.70
** 403892.41, 3771048.56, 0.00, 0.00, 1.70
** 403895.51, 3771062.75, 0.00, 0.00, 1.70
** 403927.76, 3771220.92, 0.00, 0.00, 1.70
** 403930.60, 3771236.66, 0.00, 0.00, 1.70
** 403930.60, 3771241.04, 0.00, 0.00, 1.70
** 403929.57, 3771243.37, 0.00, 0.00, 1.70
** 403927.50, 3771244.40, 0.00, 0.00, 1.70
** 403925.96, 3771245.43, 0.00, 0.00, 1.70
** 403923.38, 3771247.24, 0.00, 0.00, 1.70
** 403918.73, 3771247.49, 0.00, 0.00, 1.70
** 403915.63, 3771246.46, 0.00, 0.00, 1.70
** 403913.83, 3771244.66, 0.00, 0.00, 1.70
** 403912.54, 3771242.33, 0.00, 0.00, 1.70
** 403910.73, 3771239.75, 0.00, 0.00, 1.70
** 403910.47, 3771236.14, 0.00, 0.00, 1.70
** ----------------------------------------------------------------------
   LOCATION L0001222     VOLUME   403865.329 3770931.935 0.0
   LOCATION L0001223     VOLUME   403865.863 3770935.556 0.0
   LOCATION L0001224     VOLUME   403866.396 3770939.177 0.0
   LOCATION L0001225     VOLUME   403866.930 3770942.798 0.0
   LOCATION L0001226     VOLUME   403867.464 3770946.419 0.0
   LOCATION L0001227     VOLUME   403867.997 3770950.040 0.0
   LOCATION L0001228     VOLUME   403868.531 3770953.661 0.0
   LOCATION L0001229     VOLUME   403869.065 3770957.282 0.0
   LOCATION L0001230     VOLUME   403869.599 3770960.902 0.0
   LOCATION L0001231     VOLUME   403870.132 3770964.523 0.0
   LOCATION L0001232     VOLUME   403870.666 3770968.144 0.0
   LOCATION L0001233     VOLUME   403871.200 3770971.765 0.0
   LOCATION L0001234     VOLUME   403871.733 3770975.386 0.0
   LOCATION L0001235     VOLUME   403872.267 3770979.007 0.0
   LOCATION L0001236     VOLUME   403872.801 3770982.628 0.0
   LOCATION L0001237     VOLUME   403873.335 3770986.249 0.0
   LOCATION L0001238     VOLUME   403873.868 3770989.869 0.0
   LOCATION L0001239     VOLUME   403874.402 3770993.490 0.0
   LOCATION L0001240     VOLUME   403874.936 3770997.111 0.0
   LOCATION L0001241     VOLUME   403875.469 3771000.732 0.0
   LOCATION L0001242     VOLUME   403876.003 3771004.353 0.0
   LOCATION L0001243     VOLUME   403876.537 3771007.974 0.0
   LOCATION L0001244     VOLUME   403877.071 3771011.595 0.0
   LOCATION L0001245     VOLUME   403877.604 3771015.216 0.0
   LOCATION L0001246     VOLUME   403878.138 3771018.837 0.0
   LOCATION L0001247     VOLUME   403879.485 3771022.220 0.0
   LOCATION L0001248     VOLUME   403880.982 3771025.560 0.0
   LOCATION L0001249     VOLUME   403882.479 3771028.900 0.0
   LOCATION L0001250     VOLUME   403883.976 3771032.239 0.0
   LOCATION L0001251     VOLUME   403885.473 3771035.579 0.0
   LOCATION L0001252     VOLUME   403886.971 3771038.919 0.0
   LOCATION L0001253     VOLUME   403888.519 3771042.232 0.0
   LOCATION L0001254     VOLUME   403890.438 3771045.349 0.0
   LOCATION L0001255     VOLUME   403892.356 3771048.466 0.0
```

LOCATION	L0001256	VOLUME	403893.170	3771052.028	0.0
LOCATION	L0001257	VOLUME	403893.950	3771055.604	0.0
LOCATION	L0001258	VOLUME	403894.730	3771059.180	0.0
LOCATION	L0001259	VOLUME	403895.510	3771062.756	0.0
LOCATION	L0001260	VOLUME	403896.241	3771066.342	0.0
LOCATION	L0001261	VOLUME	403896.973	3771069.928	0.0
LOCATION	L0001262	VOLUME	403897.704	3771073.514	0.0
LOCATION	L0001263	VOLUME	403898.435	3771077.100	0.0
LOCATION	L0001264	VOLUME	403899.167	3771080.687	0.0
LOCATION	L0001265	VOLUME	403899.898	3771084.273	0.0
LOCATION	L0001266	VOLUME	403900.629	3771087.859	0.0
LOCATION	L0001267	VOLUME	403901.360	3771091.445	0.0
LOCATION	L0001268	VOLUME	403902.092	3771095.031	0.0
LOCATION	L0001269	VOLUME	403902.823	3771098.618	0.0
LOCATION	L0001270	VOLUME	403903.554	3771102.204	0.0
LOCATION	L0001271	VOLUME	403904.285	3771105.790	0.0
LOCATION	L0001272	VOLUME	403905.017	3771109.376	0.0
LOCATION	L0001273	VOLUME	403905.748	3771112.962	0.0
LOCATION	L0001274	VOLUME	403906.479	3771116.549	0.0
LOCATION	L0001275	VOLUME	403907.211	3771120.135	0.0
LOCATION	L0001276	VOLUME	403907.942	3771123.721	0.0
LOCATION	L0001277	VOLUME	403908.673	3771127.307	0.0
LOCATION	L0001278	VOLUME	403909.404	3771130.893	0.0
LOCATION	L0001279	VOLUME	403910.136	3771134.480	0.0
LOCATION	L0001280	VOLUME	403910.867	3771138.066	0.0
LOCATION	L0001281	VOLUME	403911.598	3771141.652	0.0
LOCATION	L0001282	VOLUME	403912.330	3771145.238	0.0
LOCATION	L0001283	VOLUME	403913.061	3771148.824	0.0
LOCATION	L0001284	VOLUME	403913.792	3771152.411	0.0
LOCATION	L0001285	VOLUME	403914.523	3771155.997	0.0
LOCATION	L0001286	VOLUME	403915.255	3771159.583	0.0
LOCATION	L0001287	VOLUME	403915.986	3771163.169	0.0
LOCATION	L0001288	VOLUME	403916.717	3771166.755	0.0
LOCATION	L0001289	VOLUME	403917.449	3771170.342	0.0
LOCATION	L0001290	VOLUME	403918.180	3771173.928	0.0
LOCATION	L0001291	VOLUME	403918.911	3771177.514	0.0
LOCATION	L0001292	VOLUME	403919.642	3771181.100	0.0
LOCATION	L0001293	VOLUME	403920.374	3771184.686	0.0
LOCATION	L0001294	VOLUME	403921.105	3771188.273	0.0
LOCATION	L0001295	VOLUME	403921.836	3771191.859	0.0
LOCATION	L0001296	VOLUME	403922.567	3771195.445	0.0
LOCATION	L0001297	VOLUME	403923.299	3771199.031	0.0
LOCATION	L0001298	VOLUME	403924.030	3771202.617	0.0
LOCATION	L0001299	VOLUME	403924.761	3771206.204	0.0
LOCATION	L0001300	VOLUME	403925.493	3771209.790	0.0
LOCATION	L0001301	VOLUME	403926.224	3771213.376	0.0
LOCATION	L0001302	VOLUME	403926.955	3771216.962	0.0
LOCATION	L0001303	VOLUME	403927.686	3771220.548	0.0
LOCATION	L0001304	VOLUME	403928.344	3771224.149	0.0
LOCATION	L0001305	VOLUME	403928.994	3771227.751	0.0
LOCATION	L0001306	VOLUME	403929.643	3771231.353	0.0
LOCATION	L0001307	VOLUME	403930.293	3771234.954	0.0
LOCATION	L0001308	VOLUME	403930.600	3771238.587	0.0
LOCATION	L0001309	VOLUME	403930.111	3771242.143	0.0

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   LOCATION L0001310     VOLUME   403927.492 3771244.406 0.0
   LOCATION L0001311     VOLUME   403924.470 3771246.470 0.0
   LOCATION L0001312     VOLUME   403921.055 3771247.365 0.0
   LOCATION L0001313     VOLUME   403917.467 3771247.073 0.0
   LOCATION L0001314     VOLUME   403914.412 3771245.240 0.0
   LOCATION L0001315     VOLUME   403912.437 3771242.188 0.0
   LOCATION L0001316     VOLUME   403910.683 3771239.067 0.0
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Off-Site Truck Travel
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 0.00001363
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 18
** 403864.43, 3770923.82, 0.00, 0.00, 0.00
** 403863.44, 3770922.30, 0.00, 0.00, 1.70
** 403860.66, 3770921.53, 0.00, 0.00, 1.70
** 403689.91, 3770930.94, 0.00, 0.00, 1.70
** 403630.84, 3770935.56, 0.00, 0.00, 1.70
** 403594.28, 3770940.19, 0.00, 0.00, 1.70
** 403528.57, 3770954.85, 0.00, 0.00, 1.70
** 403490.01, 3770966.72, 0.00, 0.00, 1.70
** 403434.79, 3770986.31, 0.00, 0.00, 1.70
** 403329.28, 3771032.43, 0.00, 0.00, 1.70
** 402936.22, 3771230.47, 0.00, 0.00, 1.70
** 402916.08, 3771165.18, 0.00, 0.00, 1.70
** 402871.86, 3771016.55, 0.00, 0.00, 1.70
** 402856.49, 3770952.42, 0.00, 0.00, 1.70
** 402852.94, 3770914.59, 0.00, 0.00, 1.70
** 402852.06, 3770885.33, 0.00, 0.00, 1.70
** 402852.65, 3770690.58, 0.00, 0.00, 1.70
** 402857.67, 3770422.82, 0.00, 0.00, 1.70
** ----------------------------------------------------------------------
   LOCATION L0001317     VOLUME   403863.425 3770922.295 0.0
   LOCATION L0001318     VOLUME   403859.871 3770921.572 0.0
   LOCATION L0001319     VOLUME   403856.216 3770921.773 0.0
   LOCATION L0001320     VOLUME   403852.562 3770921.975 0.0
   LOCATION L0001321     VOLUME   403848.907 3770922.176 0.0
   LOCATION L0001322     VOLUME   403845.253 3770922.377 0.0
   LOCATION L0001323     VOLUME   403841.598 3770922.579 0.0
   LOCATION L0001324     VOLUME   403837.944 3770922.780 0.0
   LOCATION L0001325     VOLUME   403834.290 3770922.982 0.0
   LOCATION L0001326     VOLUME   403830.635 3770923.183 0.0
   LOCATION L0001327     VOLUME   403826.981 3770923.384 0.0
   LOCATION L0001328     VOLUME   403823.326 3770923.586 0.0
   LOCATION L0001329     VOLUME   403819.672 3770923.787 0.0
   LOCATION L0001330     VOLUME   403816.017 3770923.988 0.0
   LOCATION L0001331     VOLUME   403812.363 3770924.190 0.0
   LOCATION L0001332     VOLUME   403808.708 3770924.391 0.0
```

LOCATION	L0001333	VOLUME	403805.054	3770924.593	0.0
LOCATION	L0001334	VOLUME	403801.399	3770924.794	0.0
LOCATION	L0001335	VOLUME	403797.745	3770924.995	0.0
LOCATION	L0001336	VOLUME	403794.091	3770925.197	0.0
LOCATION	L0001337	VOLUME	403790.436	3770925.398	0.0
LOCATION	L0001338	VOLUME	403786.782	3770925.599	0.0
LOCATION	L0001339	VOLUME	403783.127	3770925.801	0.0
LOCATION	L0001340	VOLUME	403779.473	3770926.002	0.0
LOCATION	L0001341	VOLUME	403775.818	3770926.204	0.0
LOCATION	L0001342	VOLUME	403772.164	3770926.405	0.0
LOCATION	L0001343	VOLUME	403768.509	3770926.606	0.0
LOCATION	L0001344	VOLUME	403764.855	3770926.808	0.0
LOCATION	L0001345	VOLUME	403761.200	3770927.009	0.0
LOCATION	L0001346	VOLUME	403757.546	3770927.210	0.0
LOCATION	L0001347	VOLUME	403753.891	3770927.412	0.0
LOCATION	L0001348	VOLUME	403750.237	3770927.613	0.0
LOCATION	L0001349	VOLUME	403746.583	3770927.815	0.0
LOCATION	L0001350	VOLUME	403742.928	3770928.016	0.0
LOCATION	L0001351	VOLUME	403739.274	3770928.217	0.0
LOCATION	L0001352	VOLUME	403735.619	3770928.419	0.0
LOCATION	L0001353	VOLUME	403731.965	3770928.620	0.0
LOCATION	L0001354	VOLUME	403728.310	3770928.821	0.0
LOCATION	L0001355	VOLUME	403724.656	3770929.023	0.0
LOCATION	L0001356	VOLUME	403721.001	3770929.224	0.0
LOCATION	L0001357	VOLUME	403717.347	3770929.426	0.0
LOCATION	L0001358	VOLUME	403713.692	3770929.627	0.0
LOCATION	L0001359	VOLUME	403710.038	3770929.828	0.0
LOCATION	L0001360	VOLUME	403706.384	3770930.030	0.0
LOCATION	L0001361	VOLUME	403702.729	3770930.231	0.0
LOCATION	L0001362	VOLUME	403699.075	3770930.432	0.0
LOCATION	L0001363	VOLUME	403695.420	3770930.634	0.0
LOCATION	L0001364	VOLUME	403691.766	3770930.835	0.0
LOCATION	L0001365	VOLUME	403688.114	3770931.078	0.0
LOCATION	L0001366	VOLUME	403684.465	3770931.364	0.0
LOCATION	L0001367	VOLUME	403680.816	3770931.650	0.0
LOCATION	L0001368	VOLUME	403677.168	3770931.936	0.0
LOCATION	L0001369	VOLUME	403673.519	3770932.221	0.0
LOCATION	L0001370	VOLUME	403669.870	3770932.507	0.0
LOCATION	L0001371	VOLUME	403666.221	3770932.793	0.0
LOCATION	L0001372	VOLUME	403662.572	3770933.079	0.0
LOCATION	L0001373	VOLUME	403658.923	3770933.365	0.0
LOCATION	L0001374	VOLUME	403655.275	3770933.650	0.0
LOCATION	L0001375	VOLUME	403651.626	3770933.936	0.0
LOCATION	L0001376	VOLUME	403647.977	3770934.222	0.0
LOCATION	L0001377	VOLUME	403644.328	3770934.508	0.0
LOCATION	L0001378	VOLUME	403640.679	3770934.794	0.0
LOCATION	L0001379	VOLUME	403637.031	3770935.080	0.0
LOCATION	L0001380	VOLUME	403633.382	3770935.365	0.0
LOCATION	L0001381	VOLUME	403629.738	3770935.704	0.0
LOCATION	L0001382	VOLUME	403626.107	3770936.163	0.0
LOCATION	L0001383	VOLUME	403622.476	3770936.623	0.0
LOCATION	L0001384	VOLUME	403618.845	3770937.083	0.0
LOCATION	L0001385	VOLUME	403615.214	3770937.542	0.0
LOCATION	L0001386	VOLUME	403611.583	3770938.002	0.0

LOCATION	L0001387	VOLUME	403607.952	3770938.461	0.0
LOCATION	L0001388	VOLUME	403604.321	3770938.921	0.0
LOCATION	L0001389	VOLUME	403600.690	3770939.381	0.0
LOCATION	L0001390	VOLUME	403597.059	3770939.840	0.0
LOCATION	L0001391	VOLUME	403593.442	3770940.379	0.0
LOCATION	L0001392	VOLUME	403589.870	3770941.176	0.0
LOCATION	L0001393	VOLUME	403586.297	3770941.972	0.0
LOCATION	L0001394	VOLUME	403582.725	3770942.769	0.0
LOCATION	L0001395	VOLUME	403579.153	3770943.566	0.0
LOCATION	L0001396	VOLUME	403575.581	3770944.362	0.0
LOCATION	L0001397	VOLUME	403572.008	3770945.159	0.0
LOCATION	L0001398	VOLUME	403568.436	3770945.955	0.0
LOCATION	L0001399	VOLUME	403564.864	3770946.752	0.0
LOCATION	L0001400	VOLUME	403561.292	3770947.549	0.0
LOCATION	L0001401	VOLUME	403557.719	3770948.345	0.0
LOCATION	L0001402	VOLUME	403554.147	3770949.142	0.0
LOCATION	L0001403	VOLUME	403550.575	3770949.939	0.0
LOCATION	L0001404	VOLUME	403547.003	3770950.735	0.0
LOCATION	L0001405	VOLUME	403543.430	3770951.532	0.0
LOCATION	L0001406	VOLUME	403539.858	3770952.329	0.0
LOCATION	L0001407	VOLUME	403536.286	3770953.125	0.0
LOCATION	L0001408	VOLUME	403532.714	3770953.922	0.0
LOCATION	L0001409	VOLUME	403529.141	3770954.718	0.0
LOCATION	L0001410	VOLUME	403525.632	3770955.751	0.0
LOCATION	L0001411	VOLUME	403522.134	3770956.828	0.0
LOCATION	L0001412	VOLUME	403518.636	3770957.906	0.0
LOCATION	L0001413	VOLUME	403515.138	3770958.983	0.0
LOCATION	L0001414	VOLUME	403511.640	3770960.060	0.0
LOCATION	L0001415	VOLUME	403508.142	3770961.138	0.0
LOCATION	L0001416	VOLUME	403504.644	3770962.215	0.0
LOCATION	L0001417	VOLUME	403501.147	3770963.292	0.0
LOCATION	L0001418	VOLUME	403497.649	3770964.370	0.0
LOCATION	L0001419	VOLUME	403494.151	3770965.447	0.0
LOCATION	L0001420	VOLUME	403490.653	3770966.524	0.0
LOCATION	L0001421	VOLUME	403487.195	3770967.721	0.0
LOCATION	L0001422	VOLUME	403483.745	3770968.945	0.0
LOCATION	L0001423	VOLUME	403480.296	3770970.168	0.0
LOCATION	L0001424	VOLUME	403476.847	3770971.392	0.0
LOCATION	L0001425	VOLUME	403473.397	3770972.616	0.0
LOCATION	L0001426	VOLUME	403469.948	3770973.839	0.0
LOCATION	L0001427	VOLUME	403466.498	3770975.063	0.0
LOCATION	L0001428	VOLUME	403463.049	3770976.287	0.0
LOCATION	L0001429	VOLUME	403459.600	3770977.510	0.0
LOCATION	L0001430	VOLUME	403456.150	3770978.734	0.0
LOCATION	L0001431	VOLUME	403452.701	3770979.958	0.0
LOCATION	L0001432	VOLUME	403449.252	3770981.181	0.0
LOCATION	L0001433	VOLUME	403445.802	3770982.405	0.0
LOCATION	L0001434	VOLUME	403442.353	3770983.629	0.0
LOCATION	L0001435	VOLUME	403438.903	3770984.852	0.0
LOCATION	L0001436	VOLUME	403435.454	3770986.076	0.0
LOCATION	L0001437	VOLUME	403432.082	3770987.495	0.0
LOCATION	L0001438	VOLUME	403428.728	3770988.961	0.0
LOCATION	L0001439	VOLUME	403425.375	3770990.427	0.0
LOCATION	L0001440	VOLUME	403422.021	3770991.893	0.0

LOCATION	L0001441	VOLUME	403418.668	3770993.359	0.0
LOCATION	L0001442	VOLUME	403415.314	3770994.825	0.0
LOCATION	L0001443	VOLUME	403411.960	3770996.291	0.0
LOCATION	L0001444	VOLUME	403408.607	3770997.757	0.0
LOCATION	L0001445	VOLUME	403405.253	3770999.223	0.0
LOCATION	L0001446	VOLUME	403401.900	3771000.689	0.0
LOCATION	L0001447	VOLUME	403398.546	3771002.155	0.0
LOCATION	L0001448	VOLUME	403395.193	3771003.621	0.0
LOCATION	L0001449	VOLUME	403391.839	3771005.087	0.0
LOCATION	L0001450	VOLUME	403388.485	3771006.553	0.0
LOCATION	L0001451	VOLUME	403385.132	3771008.019	0.0
LOCATION	L0001452	VOLUME	403381.778	3771009.485	0.0
LOCATION	L0001453	VOLUME	403378.425	3771010.951	0.0
LOCATION	L0001454	VOLUME	403375.071	3771012.417	0.0
LOCATION	L0001455	VOLUME	403371.717	3771013.883	0.0
LOCATION	L0001456	VOLUME	403368.364	3771015.349	0.0
LOCATION	L0001457	VOLUME	403365.010	3771016.815	0.0
LOCATION	L0001458	VOLUME	403361.657	3771018.281	0.0
LOCATION	L0001459	VOLUME	403358.303	3771019.747	0.0
LOCATION	L0001460	VOLUME	403354.949	3771021.213	0.0
LOCATION	L0001461	VOLUME	403351.596	3771022.679	0.0
LOCATION	L0001462	VOLUME	403348.242	3771024.144	0.0
LOCATION	L0001463	VOLUME	403344.889	3771025.610	0.0
LOCATION	L0001464	VOLUME	403341.535	3771027.076	0.0
LOCATION	L0001465	VOLUME	403338.182	3771028.542	0.0
LOCATION	L0001466	VOLUME	403334.828	3771030.008	0.0
LOCATION	L0001467	VOLUME	403331.474	3771031.474	0.0
LOCATION	L0001468	VOLUME	403328.150	3771033.003	0.0
LOCATION	L0001469	VOLUME	403324.882	3771034.650	0.0
LOCATION	L0001470	VOLUME	403321.613	3771036.297	0.0
LOCATION	L0001471	VOLUME	403318.345	3771037.944	0.0
LOCATION	L0001472	VOLUME	403315.076	3771039.590	0.0
LOCATION	L0001473	VOLUME	403311.807	3771041.237	0.0
LOCATION	L0001474	VOLUME	403308.539	3771042.884	0.0
LOCATION	L0001475	VOLUME	403305.270	3771044.531	0.0
LOCATION	L0001476	VOLUME	403302.002	3771046.178	0.0
LOCATION	L0001477	VOLUME	403298.733	3771047.824	0.0
LOCATION	L0001478	VOLUME	403295.465	3771049.471	0.0
LOCATION	L0001479	VOLUME	403292.196	3771051.118	0.0
LOCATION	L0001480	VOLUME	403288.927	3771052.765	0.0
LOCATION	L0001481	VOLUME	403285.659	3771054.412	0.0
LOCATION	L0001482	VOLUME	403282.390	3771056.059	0.0
LOCATION	L0001483	VOLUME	403279.122	3771057.705	0.0
LOCATION	L0001484	VOLUME	403275.853	3771059.352	0.0
LOCATION	L0001485	VOLUME	403272.585	3771060.999	0.0
LOCATION	L0001486	VOLUME	403269.316	3771062.646	0.0
LOCATION	L0001487	VOLUME	403266.047	3771064.293	0.0
LOCATION	L0001488	VOLUME	403262.779	3771065.940	0.0
LOCATION	L0001489	VOLUME	403259.510	3771067.586	0.0
LOCATION	L0001490	VOLUME	403256.242	3771069.233	0.0
LOCATION	L0001491	VOLUME	403252.973	3771070.880	0.0
LOCATION	L0001492	VOLUME	403249.705	3771072.527	0.0
LOCATION	L0001493	VOLUME	403246.436	3771074.174	0.0
LOCATION	L0001494	VOLUME	403243.167	3771075.821	0.0

LOCATION	L0001495	VOLUME	403239.899	3771077.467	0.0
LOCATION	L0001496	VOLUME	403236.630	3771079.114	0.0
LOCATION	L0001497	VOLUME	403233.362	3771080.761	0.0
LOCATION	L0001498	VOLUME	403230.093	3771082.408	0.0
LOCATION	L0001499	VOLUME	403226.825	3771084.055	0.0
LOCATION	L0001500	VOLUME	403223.556	3771085.702	0.0
LOCATION	L0001501	VOLUME	403220.287	3771087.348	0.0
LOCATION	L0001502	VOLUME	403217.019	3771088.995	0.0
LOCATION	L0001503	VOLUME	403213.750	3771090.642	0.0
LOCATION	L0001504	VOLUME	403210.482	3771092.289	0.0
LOCATION	L0001505	VOLUME	403207.213	3771093.936	0.0
LOCATION	L0001506	VOLUME	403203.945	3771095.582	0.0
LOCATION	L0001507	VOLUME	403200.676	3771097.229	0.0
LOCATION	L0001508	VOLUME	403197.407	3771098.876	0.0
LOCATION	L0001509	VOLUME	403194.139	3771100.523	0.0
LOCATION	L0001510	VOLUME	403190.870	3771102.170	0.0
LOCATION	L0001511	VOLUME	403187.602	3771103.817	0.0
LOCATION	L0001512	VOLUME	403184.333	3771105.463	0.0
LOCATION	L0001513	VOLUME	403181.065	3771107.110	0.0
LOCATION	L0001514	VOLUME	403177.796	3771108.757	0.0
LOCATION	L0001515	VOLUME	403174.527	3771110.404	0.0
LOCATION	L0001516	VOLUME	403171.259	3771112.051	0.0
LOCATION	L0001517	VOLUME	403167.990	3771113.698	0.0
LOCATION	L0001518	VOLUME	403164.722	3771115.344	0.0
LOCATION	L0001519	VOLUME	403161.453	3771116.991	0.0
LOCATION	L0001520	VOLUME	403158.185	3771118.638	0.0
LOCATION	L0001521	VOLUME	403154.916	3771120.285	0.0
LOCATION	L0001522	VOLUME	403151.647	3771121.932	0.0
LOCATION	L0001523	VOLUME	403148.379	3771123.579	0.0
LOCATION	L0001524	VOLUME	403145.110	3771125.225	0.0
LOCATION	L0001525	VOLUME	403141.842	3771126.872	0.0
LOCATION	L0001526	VOLUME	403138.573	3771128.519	0.0
LOCATION	L0001527	VOLUME	403135.305	3771130.166	0.0
LOCATION	L0001528	VOLUME	403132.036	3771131.813	0.0
LOCATION	L0001529	VOLUME	403128.767	3771133.460	0.0
LOCATION	L0001530	VOLUME	403125.499	3771135.106	0.0
LOCATION	L0001531	VOLUME	403122.230	3771136.753	0.0
LOCATION	L0001532	VOLUME	403118.962	3771138.400	0.0
LOCATION	L0001533	VOLUME	403115.693	3771140.047	0.0
LOCATION	L0001534	VOLUME	403112.425	3771141.694	0.0
LOCATION	L0001535	VOLUME	403109.156	3771143.340	0.0
LOCATION	L0001536	VOLUME	403105.887	3771144.987	0.0
LOCATION	L0001537	VOLUME	403102.619	3771146.634	0.0
LOCATION	L0001538	VOLUME	403099.350	3771148.281	0.0
LOCATION	L0001539	VOLUME	403096.082	3771149.928	0.0
LOCATION	L0001540	VOLUME	403092.813	3771151.575	0.0
LOCATION	L0001541	VOLUME	403089.545	3771153.221	0.0
LOCATION	L0001542	VOLUME	403086.276	3771154.868	0.0
LOCATION	L0001543	VOLUME	403083.007	3771156.515	0.0
LOCATION	L0001544	VOLUME	403079.739	3771158.162	0.0
LOCATION	L0001545	VOLUME	403076.470	3771159.809	0.0
LOCATION	L0001546	VOLUME	403073.202	3771161.456	0.0
LOCATION	L0001547	VOLUME	403069.933	3771163.102	0.0
LOCATION	L0001548	VOLUME	403066.665	3771164.749	0.0

LOCATION	L0001549	VOLUME	403063.396	3771166.396	0.0
LOCATION	L0001550	VOLUME	403060.127	3771168.043	0.0
LOCATION	L0001551	VOLUME	403056.859	3771169.690	0.0
LOCATION	L0001552	VOLUME	403053.590	3771171.337	0.0
LOCATION	L0001553	VOLUME	403050.322	3771172.983	0.0
LOCATION	L0001554	VOLUME	403047.053	3771174.630	0.0
LOCATION	L0001555	VOLUME	403043.785	3771176.277	0.0
LOCATION	L0001556	VOLUME	403040.516	3771177.924	0.0
LOCATION	L0001557	VOLUME	403037.247	3771179.571	0.0
LOCATION	L0001558	VOLUME	403033.979	3771181.218	0.0
LOCATION	L0001559	VOLUME	403030.710	3771182.864	0.0
LOCATION	L0001560	VOLUME	403027.442	3771184.511	0.0
LOCATION	L0001561	VOLUME	403024.173	3771186.158	0.0
LOCATION	L0001562	VOLUME	403020.905	3771187.805	0.0
LOCATION	L0001563	VOLUME	403017.636	3771189.452	0.0
LOCATION	L0001564	VOLUME	403014.367	3771191.098	0.0
LOCATION	L0001565	VOLUME	403011.099	3771192.745	0.0
LOCATION	L0001566	VOLUME	403007.830	3771194.392	0.0
LOCATION	L0001567	VOLUME	403004.562	3771196.039	0.0
LOCATION	L0001568	VOLUME	403001.293	3771197.686	0.0
LOCATION	L0001569	VOLUME	402998.025	3771199.333	0.0
LOCATION	L0001570	VOLUME	402994.756	3771200.979	0.0
LOCATION	L0001571	VOLUME	402991.487	3771202.626	0.0
LOCATION	L0001572	VOLUME	402988.219	3771204.273	0.0
LOCATION	L0001573	VOLUME	402984.950	3771205.920	0.0
LOCATION	L0001574	VOLUME	402981.682	3771207.567	0.0
LOCATION	L0001575	VOLUME	402978.413	3771209.214	0.0
LOCATION	L0001576	VOLUME	402975.145	3771210.860	0.0
LOCATION	L0001577	VOLUME	402971.876	3771212.507	0.0
LOCATION	L0001578	VOLUME	402968.607	3771214.154	0.0
LOCATION	L0001579	VOLUME	402965.339	3771215.801	0.0
LOCATION	L0001580	VOLUME	402962.070	3771217.448	0.0
LOCATION	L0001581	VOLUME	402958.802	3771219.095	0.0
LOCATION	L0001582	VOLUME	402955.533	3771220.741	0.0
LOCATION	L0001583	VOLUME	402952.265	3771222.388	0.0
LOCATION	L0001584	VOLUME	402948.996	3771224.035	0.0
LOCATION	L0001585	VOLUME	402945.727	3771225.682	0.0
LOCATION	L0001586	VOLUME	402942.459	3771227.329	0.0
LOCATION	L0001587	VOLUME	402939.190	3771228.976	0.0
LOCATION	L0001588	VOLUME	402936.121	3771230.153	0.0
LOCATION	L0001589	VOLUME	402935.043	3771226.656	0.0
LOCATION	L0001590	VOLUME	402933.964	3771223.158	0.0
LOCATION	L0001591	VOLUME	402932.885	3771219.661	0.0
LOCATION	L0001592	VOLUME	402931.806	3771216.164	0.0
LOCATION	L0001593	VOLUME	402930.727	3771212.666	0.0
LOCATION	L0001594	VOLUME	402929.648	3771209.169	0.0
LOCATION	L0001595	VOLUME	402928.570	3771205.671	0.0
LOCATION	L0001596	VOLUME	402927.491	3771202.174	0.0
LOCATION	L0001597	VOLUME	402926.412	3771198.677	0.0
LOCATION	L0001598	VOLUME	402925.333	3771195.179	0.0
LOCATION	L0001599	VOLUME	402924.254	3771191.682	0.0
LOCATION	L0001600	VOLUME	402923.175	3771188.185	0.0
LOCATION	L0001601	VOLUME	402922.097	3771184.687	0.0
LOCATION	L0001602	VOLUME	402921.018	3771181.190	0.0

LOCATION	L0001603	VOLUME	402919.939	3771177.692	0.0
LOCATION	L0001604	VOLUME	402918.860	3771174.195	0.0
LOCATION	L0001605	VOLUME	402917.781	3771170.698	0.0
LOCATION	L0001606	VOLUME	402916.702	3771167.200	0.0
LOCATION	L0001607	VOLUME	402915.638	3771163.698	0.0
LOCATION	L0001608	VOLUME	402914.595	3771160.190	0.0
LOCATION	L0001609	VOLUME	402913.551	3771156.682	0.0
LOCATION	L0001610	VOLUME	402912.507	3771153.174	0.0
LOCATION	L0001611	VOLUME	402911.463	3771149.666	0.0
LOCATION	L0001612	VOLUME	402910.420	3771146.158	0.0
LOCATION	L0001613	VOLUME	402909.376	3771142.650	0.0
LOCATION	L0001614	VOLUME	402908.332	3771139.142	0.0
LOCATION	L0001615	VOLUME	402907.288	3771135.634	0.0
LOCATION	L0001616	VOLUME	402906.244	3771132.126	0.0
LOCATION	L0001617	VOLUME	402905.201	3771128.618	0.0
LOCATION	L0001618	VOLUME	402904.157	3771125.110	0.0
LOCATION	L0001619	VOLUME	402903.113	3771121.602	0.0
LOCATION	L0001620	VOLUME	402902.069	3771118.094	0.0
LOCATION	L0001621	VOLUME	402901.026	3771114.586	0.0
LOCATION	L0001622	VOLUME	402899.982	3771111.078	0.0
LOCATION	L0001623	VOLUME	402898.938	3771107.570	0.0
LOCATION	L0001624	VOLUME	402897.894	3771104.062	0.0
LOCATION	L0001625	VOLUME	402896.850	3771100.554	0.0
LOCATION	L0001626	VOLUME	402895.807	3771097.046	0.0
LOCATION	L0001627	VOLUME	402894.763	3771093.538	0.0
LOCATION	L0001628	VOLUME	402893.719	3771090.030	0.0
LOCATION	L0001629	VOLUME	402892.675	3771086.522	0.0
LOCATION	L0001630	VOLUME	402891.632	3771083.014	0.0
LOCATION	L0001631	VOLUME	402890.588	3771079.506	0.0
LOCATION	L0001632	VOLUME	402889.544	3771075.998	0.0
LOCATION	L0001633	VOLUME	402888.500	3771072.490	0.0
LOCATION	L0001634	VOLUME	402887.457	3771068.982	0.0
LOCATION	L0001635	VOLUME	402886.413	3771065.474	0.0
LOCATION	L0001636	VOLUME	402885.369	3771061.966	0.0
LOCATION	L0001637	VOLUME	402884.325	3771058.458	0.0
LOCATION	L0001638	VOLUME	402883.281	3771054.950	0.0
LOCATION	L0001639	VOLUME	402882.238	3771051.442	0.0
LOCATION	L0001640	VOLUME	402881.194	3771047.934	0.0
LOCATION	L0001641	VOLUME	402880.150	3771044.426	0.0
LOCATION	L0001642	VOLUME	402879.106	3771040.918	0.0
LOCATION	L0001643	VOLUME	402878.063	3771037.410	0.0
LOCATION	L0001644	VOLUME	402877.019	3771033.902	0.0
LOCATION	L0001645	VOLUME	402875.975	3771030.394	0.0
LOCATION	L0001646	VOLUME	402874.931	3771026.886	0.0
LOCATION	L0001647	VOLUME	402873.888	3771023.378	0.0
LOCATION	L0001648	VOLUME	402872.844	3771019.870	0.0
LOCATION	L0001649	VOLUME	402871.810	3771016.359	0.0
LOCATION	L0001650	VOLUME	402870.958	3771012.800	0.0
LOCATION	L0001651	VOLUME	402870.105	3771009.241	0.0
LOCATION	L0001652	VOLUME	402869.252	3771005.681	0.0
LOCATION	L0001653	VOLUME	402868.399	3771002.122	0.0
LOCATION	L0001654	VOLUME	402867.546	3770998.563	0.0
LOCATION	L0001655	VOLUME	402866.693	3770995.004	0.0
LOCATION	L0001656	VOLUME	402865.840	3770991.444	0.0

LOCATION	L0001657	VOLUME	402864.987	3770987.885	0.0
LOCATION	L0001658	VOLUME	402864.134	3770984.326	0.0
LOCATION	L0001659	VOLUME	402863.281	3770980.767	0.0
LOCATION	L0001660	VOLUME	402862.428	3770977.207	0.0
LOCATION	L0001661	VOLUME	402861.576	3770973.648	0.0
LOCATION	L0001662	VOLUME	402860.723	3770970.089	0.0
LOCATION	L0001663	VOLUME	402859.870	3770966.530	0.0
LOCATION	L0001664	VOLUME	402859.017	3770962.971	0.0
LOCATION	L0001665	VOLUME	402858.164	3770959.411	0.0
LOCATION	L0001666	VOLUME	402857.311	3770955.852	0.0
LOCATION	L0001667	VOLUME	402856.477	3770952.290	0.0
LOCATION	L0001668	VOLUME	402856.135	3770948.646	0.0
LOCATION	L0001669	VOLUME	402855.793	3770945.002	0.0
LOCATION	L0001670	VOLUME	402855.452	3770941.358	0.0
LOCATION	L0001671	VOLUME	402855.110	3770937.714	0.0
LOCATION	L0001672	VOLUME	402854.769	3770934.070	0.0
LOCATION	L0001673	VOLUME	402854.427	3770930.426	0.0
LOCATION	L0001674	VOLUME	402854.085	3770926.782	0.0
LOCATION	L0001675	VOLUME	402853.744	3770923.138	0.0
LOCATION	L0001676	VOLUME	402853.402	3770919.494	0.0
LOCATION	L0001677	VOLUME	402853.060	3770915.850	0.0
LOCATION	L0001678	VOLUME	402852.870	3770912.196	0.0
LOCATION	L0001679	VOLUME	402852.759	3770908.538	0.0
LOCATION	L0001680	VOLUME	402852.648	3770904.880	0.0
LOCATION	L0001681	VOLUME	402852.537	3770901.221	0.0
LOCATION	L0001682	VOLUME	402852.427	3770897.563	0.0
LOCATION	L0001683	VOLUME	402852.316	3770893.905	0.0
LOCATION	L0001684	VOLUME	402852.205	3770890.246	0.0
LOCATION	L0001685	VOLUME	402852.094	3770886.588	0.0
LOCATION	L0001686	VOLUME	402852.063	3770882.928	0.0
LOCATION	L0001687	VOLUME	402852.074	3770879.269	0.0
LOCATION	L0001688	VOLUME	402852.086	3770875.609	0.0
LOCATION	L0001689	VOLUME	402852.097	3770871.949	0.0
LOCATION	L0001690	VOLUME	402852.108	3770868.289	0.0
LOCATION	L0001691	VOLUME	402852.119	3770864.629	0.0
LOCATION	L0001692	VOLUME	402852.130	3770860.969	0.0
LOCATION	L0001693	VOLUME	402852.141	3770857.309	0.0
LOCATION	L0001694	VOLUME	402852.152	3770853.649	0.0
LOCATION	L0001695	VOLUME	402852.163	3770849.989	0.0
LOCATION	L0001696	VOLUME	402852.174	3770846.329	0.0
LOCATION	L0001697	VOLUME	402852.186	3770842.669	0.0
LOCATION	L0001698	VOLUME	402852.197	3770839.009	0.0
LOCATION	L0001699	VOLUME	402852.208	3770835.349	0.0
LOCATION	L0001700	VOLUME	402852.219	3770831.689	0.0
LOCATION	L0001701	VOLUME	402852.230	3770828.029	0.0
LOCATION	L0001702	VOLUME	402852.241	3770824.369	0.0
LOCATION	L0001703	VOLUME	402852.252	3770820.709	0.0
LOCATION	L0001704	VOLUME	402852.263	3770817.049	0.0
LOCATION	L0001705	VOLUME	402852.274	3770813.389	0.0
LOCATION	L0001706	VOLUME	402852.285	3770809.729	0.0
LOCATION	L0001707	VOLUME	402852.297	3770806.069	0.0
LOCATION	L0001708	VOLUME	402852.308	3770802.409	0.0
LOCATION	L0001709	VOLUME	402852.319	3770798.749	0.0
LOCATION	L0001710	VOLUME	402852.330	3770795.089	0.0

LOCATION	L0001711	VOLUME	402852.341	3770791.429	0.0
LOCATION	L0001712	VOLUME	402852.352	3770787.769	0.0
LOCATION	L0001713	VOLUME	402852.363	3770784.109	0.0
LOCATION	L0001714	VOLUME	402852.374	3770780.449	0.0
LOCATION	L0001715	VOLUME	402852.385	3770776.789	0.0
LOCATION	L0001716	VOLUME	402852.397	3770773.129	0.0
LOCATION	L0001717	VOLUME	402852.408	3770769.469	0.0
LOCATION	L0001718	VOLUME	402852.419	3770765.809	0.0
LOCATION	L0001719	VOLUME	402852.430	3770762.149	0.0
LOCATION	L0001720	VOLUME	402852.441	3770758.489	0.0
LOCATION	L0001721	VOLUME	402852.452	3770754.829	0.0
LOCATION	L0001722	VOLUME	402852.463	3770751.169	0.0
LOCATION	L0001723	VOLUME	402852.474	3770747.509	0.0
LOCATION	L0001724	VOLUME	402852.485	3770743.849	0.0
LOCATION	L0001725	VOLUME	402852.497	3770740.189	0.0
LOCATION	L0001726	VOLUME	402852.508	3770736.529	0.0
LOCATION	L0001727	VOLUME	402852.519	3770732.869	0.0
LOCATION	L0001728	VOLUME	402852.530	3770729.209	0.0
LOCATION	L0001729	VOLUME	402852.541	3770725.549	0.0
LOCATION	L0001730	VOLUME	402852.552	3770721.889	0.0
LOCATION	L0001731	VOLUME	402852.563	3770718.229	0.0
LOCATION	L0001732	VOLUME	402852.574	3770714.569	0.0
LOCATION	L0001733	VOLUME	402852.585	3770710.909	0.0
LOCATION	L0001734	VOLUME	402852.597	3770707.249	0.0
LOCATION	L0001735	VOLUME	402852.608	3770703.589	0.0
LOCATION	L0001736	VOLUME	402852.619	3770699.929	0.0
LOCATION	L0001737	VOLUME	402852.630	3770696.269	0.0
LOCATION	L0001738	VOLUME	402852.641	3770692.609	0.0
LOCATION	L0001739	VOLUME	402852.678	3770688.950	0.0
LOCATION	L0001740	VOLUME	402852.746	3770685.290	0.0
LOCATION	L0001741	VOLUME	402852.815	3770681.631	0.0
LOCATION	L0001742	VOLUME	402852.884	3770677.972	0.0
LOCATION	L0001743	VOLUME	402852.952	3770674.312	0.0
LOCATION	L0001744	VOLUME	402853.021	3770670.653	0.0
LOCATION	L0001745	VOLUME	402853.090	3770666.994	0.0
LOCATION	L0001746	VOLUME	402853.158	3770663.334	0.0
LOCATION	L0001747	VOLUME	402853.227	3770659.675	0.0
LOCATION	L0001748	VOLUME	402853.296	3770656.015	0.0
LOCATION	L0001749	VOLUME	402853.364	3770652.356	0.0
LOCATION	L0001750	VOLUME	402853.433	3770648.697	0.0
LOCATION	L0001751	VOLUME	402853.502	3770645.037	0.0
LOCATION	L0001752	VOLUME	402853.570	3770641.378	0.0
LOCATION	L0001753	VOLUME	402853.639	3770637.719	0.0
LOCATION	L0001754	VOLUME	402853.708	3770634.059	0.0
LOCATION	L0001755	VOLUME	402853.776	3770630.400	0.0
LOCATION	L0001756	VOLUME	402853.845	3770626.741	0.0
LOCATION	L0001757	VOLUME	402853.914	3770623.081	0.0
LOCATION	L0001758	VOLUME	402853.982	3770619.422	0.0
LOCATION	L0001759	VOLUME	402854.051	3770615.763	0.0
LOCATION	L0001760	VOLUME	402854.120	3770612.103	0.0
LOCATION	L0001761	VOLUME	402854.188	3770608.444	0.0
LOCATION	L0001762	VOLUME	402854.257	3770604.784	0.0
LOCATION	L0001763	VOLUME	402854.326	3770601.125	0.0
LOCATION	L0001764	VOLUME	402854.394	3770597.466	0.0

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   LOCATION L0001767     VOLUME   402854.600 3770586.488 0.0
   LOCATION L0001768     VOLUME   402854.669 3770582.828 0.0
   LOCATION L0001769     VOLUME   402854.738 3770579.169 0.0
   LOCATION L0001770     VOLUME   402854.806 3770575.510 0.0
   LOCATION L0001771     VOLUME   402854.875 3770571.850 0.0
   LOCATION L0001772     VOLUME   402854.944 3770568.191 0.0
   LOCATION L0001773     VOLUME   402855.012 3770564.532 0.0
   LOCATION L0001774     VOLUME   402855.081 3770560.872 0.0
   LOCATION L0001775     VOLUME   402855.150 3770557.213 0.0
   LOCATION L0001776     VOLUME   402855.218 3770553.554 0.0
   LOCATION L0001777     VOLUME   402855.287 3770549.894 0.0
   LOCATION L0001778     VOLUME   402855.355 3770546.235 0.0
   LOCATION L0001779     VOLUME   402855.424 3770542.575 0.0
   LOCATION L0001780     VOLUME   402855.493 3770538.916 0.0
   LOCATION L0001781     VOLUME   402855.561 3770535.257 0.0
   LOCATION L0001782     VOLUME   402855.630 3770531.597 0.0
   LOCATION L0001783     VOLUME   402855.699 3770527.938 0.0
   LOCATION L0001784     VOLUME   402855.767 3770524.279 0.0
   LOCATION L0001785     VOLUME   402855.836 3770520.619 0.0
   LOCATION L0001786     VOLUME   402855.905 3770516.960 0.0
   LOCATION L0001787     VOLUME   402855.973 3770513.301 0.0
   LOCATION L0001788     VOLUME   402856.042 3770509.641 0.0
   LOCATION L0001789     VOLUME   402856.111 3770505.982 0.0
   LOCATION L0001790     VOLUME   402856.179 3770502.323 0.0
   LOCATION L0001791     VOLUME   402856.248 3770498.663 0.0
   LOCATION L0001792     VOLUME   402856.317 3770495.004 0.0
   LOCATION L0001793     VOLUME   402856.385 3770491.344 0.0
   LOCATION L0001794     VOLUME   402856.454 3770487.685 0.0
   LOCATION L0001795     VOLUME   402856.523 3770484.026 0.0
   LOCATION L0001796     VOLUME   402856.591 3770480.366 0.0
   LOCATION L0001797     VOLUME   402856.660 3770476.707 0.0
   LOCATION L0001798     VOLUME   402856.729 3770473.048 0.0
   LOCATION L0001799     VOLUME   402856.797 3770469.388 0.0
   LOCATION L0001800     VOLUME   402856.866 3770465.729 0.0
   LOCATION L0001801     VOLUME   402856.935 3770462.070 0.0
   LOCATION L0001802     VOLUME   402857.003 3770458.410 0.0
   LOCATION L0001803     VOLUME   402857.072 3770454.751 0.0
   LOCATION L0001804     VOLUME   402857.141 3770451.092 0.0
   LOCATION L0001805     VOLUME   402857.209 3770447.432 0.0
   LOCATION L0001806     VOLUME   402857.278 3770443.773 0.0
   LOCATION L0001807     VOLUME   402857.347 3770440.113 0.0
   LOCATION L0001808     VOLUME   402857.415 3770436.454 0.0
   LOCATION L0001809     VOLUME   402857.484 3770432.795 0.0
   LOCATION L0001810     VOLUME   402857.553 3770429.135 0.0
   LOCATION L0001811     VOLUME   402857.621 3770425.476 0.0
** End of LINE VOLUME Source ID = SLINE2
** Source Parameters **
   SRCPARAM STCK1        0.0000394167     3.840   366.000   0.00100
0.100
   SRCPARAM STCK2        0.0000394167     3.840   366.000   0.00100
0.100
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   SRCPARAM STCK3        4.813E-06    10.668   366.483   6.09622
0.305
** LINE VOLUME Source ID = SLINE1
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   SRCPARAM L0001225     0.00000004817      0.00      1.70      0.85
   SRCPARAM L0001226     0.00000004817      0.00      1.70      0.85
   SRCPARAM L0001227     0.00000004817      0.00      1.70      0.85
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   SRCPARAM L0001229     0.00000004817      0.00      1.70      0.85
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SRCPARAM L0001680	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001681	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001682	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001683	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001684	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001685	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001686	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001687	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001688	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001689	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001690	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001691	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001692	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001693	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001694	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001695	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001696	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001697	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001698	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001699	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001700	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001701	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001702	0.00000002754	0.00	1.70	0.85

SRCPARAM L0001703	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001704	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001705	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001706	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001707	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001708	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001709	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001710	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001711	0.00000002754	0.00	1.70	0.85
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SRCPARAM L0001713	0.00000002754	0.00	1.70	0.85
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SRCPARAM L0001715	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001716	0.00000002754	0.00	1.70	0.85
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SRCPARAM L0001721	0.00000002754	0.00	1.70	0.85
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SRCPARAM L0001728	0.00000002754	0.00	1.70	0.85
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SRCPARAM L0001730	0.00000002754	0.00	1.70	0.85
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SRCPARAM L0001735	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001736	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001737	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001738	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001739	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001740	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001741	0.00000002754	0.00	1.70	0.85
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SRCPARAM L0001771	0.00000002754	0.00	1.70	0.85
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SRCPARAM L0001796	0.00000002754	0.00	1.70	0.85
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SRCPARAM L0001798	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001799	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001800	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001801	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001802	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001803	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001804	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001805	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001806	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001807	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001808	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001809	0.00000002754	0.00	1.70	0.85
SRCPARAM L0001810	0.00000002754	0.00	1.70	0.85

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   SRCPARAM L0001811     0.00000002754      0.00      1.70      0.85
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   URBANSRC ALL
   SRCGROUP Diesel   STCK1 STCK2 L0001222 L0001223 L0001224 L0001225
L0001226
   SRCGROUP Diesel   L0001227 L0001228 L0001229 L0001230 L0001231
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   SRCGROUP Diesel   L0001233 L0001234 L0001235 L0001236 L0001237
L0001238
   SRCGROUP Diesel   L0001239 L0001240 L0001241 L0001242 L0001243
L0001244
   SRCGROUP Diesel   L0001245 L0001246 L0001247 L0001248 L0001249
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   SRCGROUP Diesel   L0001269 L0001270 L0001271 L0001272 L0001273
L0001274
   SRCGROUP Diesel   L0001275 L0001276 L0001277 L0001278 L0001279
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   SRCGROUP Diesel   L0001281 L0001282 L0001283 L0001284 L0001285
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   SRCGROUP Diesel   L0001293 L0001294 L0001295 L0001296 L0001297
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L0001364
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L0001370
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L0001400
   SRCGROUP Diesel   L0001401 L0001402 L0001403 L0001404 L0001405
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L0001472
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L0001532
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L0001574
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L0001586
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   SRCGROUP Diesel   L0001611 L0001612 L0001613 L0001614 L0001615
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   SRCGROUP Diesel   L0001617 L0001618 L0001619 L0001620 L0001621
L0001622
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   SRCGROUP Diesel   L0001629 L0001630 L0001631 L0001632 L0001633
L0001634
   SRCGROUP Diesel   L0001635 L0001636 L0001637 L0001638 L0001639
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   SRCGROUP Diesel   L0001683 L0001684 L0001685 L0001686 L0001687
L0001688
   SRCGROUP Diesel   L0001689 L0001690 L0001691 L0001692 L0001693
L0001694
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   SRCGROUP Diesel   L0001695 L0001696 L0001697 L0001698 L0001699
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   SRCGROUP Diesel   L0001701 L0001702 L0001703 L0001704 L0001705
L0001706
   SRCGROUP Diesel   L0001707 L0001708 L0001709 L0001710 L0001711
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   SRCGROUP Diesel   L0001713 L0001714 L0001715 L0001716 L0001717
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   SRCGROUP Diesel   L0001719 L0001720 L0001721 L0001722 L0001723
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L0001730
   SRCGROUP Diesel   L0001731 L0001732 L0001733 L0001734 L0001735
L0001736
   SRCGROUP Diesel   L0001737 L0001738 L0001739 L0001740 L0001741
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L0001748
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L0001760
   SRCGROUP Diesel   L0001761 L0001762 L0001763 L0001764 L0001765
L0001766
   SRCGROUP Diesel   L0001767 L0001768 L0001769 L0001770 L0001771
L0001772
   SRCGROUP Diesel   L0001773 L0001774 L0001775 L0001776 L0001777
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   SRCGROUP Diesel   L0001779 L0001780 L0001781 L0001782 L0001783
L0001784
   SRCGROUP Diesel   L0001785 L0001786 L0001787 L0001788 L0001789
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L0001796
   SRCGROUP Diesel   L0001797 L0001798 L0001799 L0001800 L0001801
L0001802
   SRCGROUP Diesel   L0001803 L0001804 L0001805 L0001806 L0001807
L0001808
   SRCGROUP Diesel   L0001809 L0001810 L0001811
   SRCGROUP Cooking  STCK3
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
** DESCRREC "" ""
   DISCCART    403642.25   3771051.23    1.50
   DISCCART    403721.37   3770998.95    1.50
   DISCCART    403806.61   3771023.91    1.50
   DISCCART    403884.14   3770983.68    1.50
```

```
   DISCCART    403899.12   3771035.40    1.50
   DISCCART    403948.87   3771179.27    1.50
   DISCCART    403906.82   3771380.43    1.50
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\azus6.sfc
   PROFFILE ..\azus6.PFL
   SURFDATA 3190 2005
   UAIRDATA 3190 2005
   SITEDATA 99999 2005
   PROFBASE 182.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "08344_EL MONTE WALMART (WORKERS).AD\AN00GALL.PLT"
31
   PLOTFILE ANNUAL Diesel "08344_EL MONTE WALMART
(WORKERS).AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL Cooking "08344_EL MONTE WALMART
(WORKERS).AD\AN00G002.PLT" 33
   SUMMFILE "08344_El Monte Walmart (Workers).sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W530    1425 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE
for     SURFDATA

 ***********************************
```

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

```
 *** AERMOD - VERSION  12345 ***   *** C:\Lakes\AERMOD View\08344_El
Monte Walmart\08344_El Monte Walmart\0 ***        02/19/14
                                   ***
***        12:59:42

PAGE   1
 **MODELOPTs:  NonDFAULT CONC                                    FLAT
FLGPOL                       FASTALL


                                          ***     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   593 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9862049.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Assumes Receptors on FLAT Terrain.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTALL  - Use effective sigma-y to optimize meander for
                    POINT and VOLUME sources, and hybrid approach
                    to optimize AREA sources (formerly TOXICS option)

 **Model Accepts FLAGPOLE Receptor Heights.

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:    593 Source(s);       3 Source Group(s); and
7 Receptor(s)

 **The Model Assumes A Pollutant Type of:  OTHER

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

 **Output Options Selected:
          Model Outputs Tables of ANNUAL 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) =   182.00 ;
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 =      3.8 MB of RAM.

 **Detailed Error/Message File:   08344_El Monte Walmart (Workers).err
 **File for Summary of Results:   08344_El Monte Walmart (Workers).sum
```

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
STCK1	0	0.39417E-04	403888.1	3771181.0	182.0	3.84	366.00	0.00	0.10	NO	YES	NO	
STCK2	0	0.39417E-04	403873.4	3771109.2	182.0	3.84	366.00	0.00	0.10	NO	YES	NO	
STCK3	0	0.48130E-05	403790.1	3771174.0	182.0	10.67	366.48	6.10	0.31	NO	YES	NO	

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001222	0	0.48170E-07	403865.3	3770931.9	182.0	0.00	1.70	0.85	YES
L0001223	0	0.48170E-07	403865.9	3770935.6	182.0	0.00	1.70	0.85	YES
L0001224	0	0.48170E-07	403866.4	3770939.2	182.0	0.00	1.70	0.85	YES
L0001225	0	0.48170E-07	403866.9	3770942.8	182.0	0.00	1.70	0.85	YES
L0001226	0	0.48170E-07	403867.5	3770946.4	182.0	0.00	1.70	0.85	YES
L0001227	0	0.48170E-07	403868.0	3770950.0	182.0	0.00	1.70	0.85	YES
L0001228	0	0.48170E-07	403868.5	3770953.7	182.0	0.00	1.70	0.85	YES
L0001229	0	0.48170E-07	403869.1	3770957.3	182.0	0.00	1.70	0.85	YES
L0001230	0	0.48170E-07	403869.6	3770960.9	182.0	0.00	1.70	0.85	YES
L0001231	0	0.48170E-07	403870.1	3770964.5	182.0	0.00	1.70	0.85	YES
L0001232	0	0.48170E-07	403870.7	3770968.1	182.0	0.00	1.70	0.85	YES
L0001233	0	0.48170E-07	403871.2	3770971.8	182.0	0.00	1.70	0.85	YES
L0001234	0	0.48170E-07	403871.7	3770975.4	182.0	0.00	1.70	0.85	YES
L0001235	0	0.48170E-07	403872.3	3770979.0	182.0	0.00	1.70	0.85	YES
L0001236	0	0.48170E-07	403872.8	3770982.6	182.0	0.00	1.70	0.85	YES

L0001237		0	0.48170E-07	403873.3	3770986.2	182.0	0.00	1.70	0.85
L0001238		0	0.48170E-07	403873.9	3770989.9	182.0	0.00	1.70	0.85
L0001239		0	0.48170E-07	403874.4	3770993.5	182.0	0.00	1.70	0.85
L0001240		0	0.48170E-07	403874.9	3770997.1	182.0	0.00	1.70	0.85
L0001241		0	0.48170E-07	403875.5	3771000.7	182.0	0.00	1.70	0.85
L0001242		0	0.48170E-07	403876.0	3771004.4	182.0	0.00	1.70	0.85
L0001243		0	0.48170E-07	403876.5	3771008.0	182.0	0.00	1.70	0.85
L0001244		0	0.48170E-07	403877.1	3771011.6	182.0	0.00	1.70	0.85
L0001245		0	0.48170E-07	403877.6	3771015.2	182.0	0.00	1.70	0.85
L0001246		0	0.48170E-07	403878.1	3771018.8	182.0	0.00	1.70	0.85
L0001247		0	0.48170E-07	403879.5	3771022.2	182.0	0.00	1.70	0.85
L0001248		0	0.48170E-07	403881.0	3771025.6	182.0	0.00	1.70	0.85
L0001249		0	0.48170E-07	403882.5	3771028.9	182.0	0.00	1.70	0.85
L0001250		0	0.48170E-07	403884.0	3771032.2	182.0	0.00	1.70	0.85
L0001251		0	0.48170E-07	403885.5	3771035.6	182.0	0.00	1.70	0.85
L0001252		0	0.48170E-07	403887.0	3771038.9	182.0	0.00	1.70	0.85
L0001253		0	0.48170E-07	403888.5	3771042.2	182.0	0.00	1.70	0.85
L0001254		0	0.48170E-07	403890.4	3771045.3	182.0	0.00	1.70	0.85
L0001255		0	0.48170E-07	403892.4	3771048.5	182.0	0.00	1.70	0.85
L0001256		0	0.48170E-07	403893.2	3771052.0	182.0	0.00	1.70	0.85
L0001257		0	0.48170E-07	403894.0	3771055.6	182.0	0.00	1.70	0.85
L0001258		0	0.48170E-07	403894.7	3771059.2	182.0	0.00	1.70	0.85
L0001259		0	0.48170E-07	403895.5	3771062.8	182.0	0.00	1.70	0.85
L0001260		0	0.48170E-07	403896.2	3771066.3	182.0	0.00	1.70	0.85
L0001261		0	0.48170E-07	403897.0	3771069.9	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001262	0	0.48170E-07	403897.7	3771073.5	182.0	0.00	1.70	0.85	YES
L0001263	0	0.48170E-07	403898.4	3771077.1	182.0	0.00	1.70	0.85	YES
L0001264	0	0.48170E-07	403899.2	3771080.7	182.0	0.00	1.70	0.85	YES
L0001265	0	0.48170E-07	403899.9	3771084.3	182.0	0.00	1.70	0.85	YES
L0001266	0	0.48170E-07	403900.6	3771087.9	182.0	0.00	1.70	0.85	YES
L0001267	0	0.48170E-07	403901.4	3771091.4	182.0	0.00	1.70	0.85	YES
L0001268	0	0.48170E-07	403902.1	3771095.0	182.0	0.00	1.70	0.85	YES
L0001269	0	0.48170E-07	403902.8	3771098.6	182.0	0.00	1.70	0.85	YES
L0001270	0	0.48170E-07	403903.6	3771102.2	182.0	0.00	1.70	0.85	YES
L0001271	0	0.48170E-07	403904.3	3771105.8	182.0	0.00	1.70	0.85	YES
L0001272	0	0.48170E-07	403905.0	3771109.4	182.0	0.00	1.70	0.85	YES
L0001273	0	0.48170E-07	403905.7	3771113.0	182.0	0.00	1.70	0.85	YES
L0001274	0	0.48170E-07	403906.5	3771116.5	182.0	0.00	1.70	0.85	YES
L0001275	0	0.48170E-07	403907.2	3771120.1	182.0	0.00	1.70	0.85	YES
L0001276	0	0.48170E-07	403907.9	3771123.7	182.0	0.00	1.70	0.85	YES

L0001277		0	0.48170E-07	403908.7	3771127.3	182.0	0.00	1.70	0.85
YES									
L0001278		0	0.48170E-07	403909.4	3771130.9	182.0	0.00	1.70	0.85
YES									
L0001279		0	0.48170E-07	403910.1	3771134.5	182.0	0.00	1.70	0.85
YES									
L0001280		0	0.48170E-07	403910.9	3771138.1	182.0	0.00	1.70	0.85
YES									
L0001281		0	0.48170E-07	403911.6	3771141.7	182.0	0.00	1.70	0.85
YES									
L0001282		0	0.48170E-07	403912.3	3771145.2	182.0	0.00	1.70	0.85
YES									
L0001283		0	0.48170E-07	403913.1	3771148.8	182.0	0.00	1.70	0.85
YES									
L0001284		0	0.48170E-07	403913.8	3771152.4	182.0	0.00	1.70	0.85
YES									
L0001285		0	0.48170E-07	403914.5	3771156.0	182.0	0.00	1.70	0.85
YES									
L0001286		0	0.48170E-07	403915.3	3771159.6	182.0	0.00	1.70	0.85
YES									
L0001287		0	0.48170E-07	403916.0	3771163.2	182.0	0.00	1.70	0.85
YES									
L0001288		0	0.48170E-07	403916.7	3771166.8	182.0	0.00	1.70	0.85
YES									
L0001289		0	0.48170E-07	403917.4	3771170.3	182.0	0.00	1.70	0.85
YES									
L0001290		0	0.48170E-07	403918.2	3771173.9	182.0	0.00	1.70	0.85
YES									
L0001291		0	0.48170E-07	403918.9	3771177.5	182.0	0.00	1.70	0.85
YES									
L0001292		0	0.48170E-07	403919.6	3771181.1	182.0	0.00	1.70	0.85
YES									
L0001293		0	0.48170E-07	403920.4	3771184.7	182.0	0.00	1.70	0.85
YES									
L0001294		0	0.48170E-07	403921.1	3771188.3	182.0	0.00	1.70	0.85
YES									
L0001295		0	0.48170E-07	403921.8	3771191.9	182.0	0.00	1.70	0.85
YES									
L0001296		0	0.48170E-07	403922.6	3771195.4	182.0	0.00	1.70	0.85
YES									
L0001297		0	0.48170E-07	403923.3	3771199.0	182.0	0.00	1.70	0.85
YES									
L0001298		0	0.48170E-07	403924.0	3771202.6	182.0	0.00	1.70	0.85
YES									
L0001299		0	0.48170E-07	403924.8	3771206.2	182.0	0.00	1.70	0.85
YES									
L0001300		0	0.48170E-07	403925.5	3771209.8	182.0	0.00	1.70	0.85
YES									
L0001301		0	0.48170E-07	403926.2	3771213.4	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001302	0	0.48170E-07	403927.0	3771217.0	182.0	0.00	1.70	0.85	YES	
L0001303	0	0.48170E-07	403927.7	3771220.5	182.0	0.00	1.70	0.85	YES	
L0001304	0	0.48170E-07	403928.3	3771224.1	182.0	0.00	1.70	0.85	YES	
L0001305	0	0.48170E-07	403929.0	3771227.8	182.0	0.00	1.70	0.85	YES	
L0001306	0	0.48170E-07	403929.6	3771231.4	182.0	0.00	1.70	0.85	YES	
L0001307	0	0.48170E-07	403930.3	3771235.0	182.0	0.00	1.70	0.85	YES	
L0001308	0	0.48170E-07	403930.6	3771238.6	182.0	0.00	1.70	0.85	YES	
L0001309	0	0.48170E-07	403930.1	3771242.1	182.0	0.00	1.70	0.85	YES	
L0001310	0	0.48170E-07	403927.5	3771244.4	182.0	0.00	1.70	0.85	YES	
L0001311	0	0.48170E-07	403924.5	3771246.5	182.0	0.00	1.70	0.85	YES	
L0001312	0	0.48170E-07	403921.1	3771247.4	182.0	0.00	1.70	0.85	YES	
L0001313	0	0.48170E-07	403917.5	3771247.1	182.0	0.00	1.70	0.85	YES	
L0001314	0	0.48170E-07	403914.4	3771245.2	182.0	0.00	1.70	0.85	YES	
L0001315	0	0.48170E-07	403912.4	3771242.2	182.0	0.00	1.70	0.85	YES	
L0001316	0	0.48170E-07	403910.7	3771239.1	182.0	0.00	1.70	0.85	YES	

L0001317	0	0.27540E-07	403863.4	3770922.3	182.0	0.00	1.70	0.85	YES
L0001318	0	0.27540E-07	403859.9	3770921.6	182.0	0.00	1.70	0.85	YES
L0001319	0	0.27540E-07	403856.2	3770921.8	182.0	0.00	1.70	0.85	YES
L0001320	0	0.27540E-07	403852.6	3770922.0	182.0	0.00	1.70	0.85	YES
L0001321	0	0.27540E-07	403848.9	3770922.2	182.0	0.00	1.70	0.85	YES
L0001322	0	0.27540E-07	403845.3	3770922.4	182.0	0.00	1.70	0.85	YES
L0001323	0	0.27540E-07	403841.6	3770922.6	182.0	0.00	1.70	0.85	YES
L0001324	0	0.27540E-07	403837.9	3770922.8	182.0	0.00	1.70	0.85	YES
L0001325	0	0.27540E-07	403834.3	3770923.0	182.0	0.00	1.70	0.85	YES
L0001326	0	0.27540E-07	403830.6	3770923.2	182.0	0.00	1.70	0.85	YES
L0001327	0	0.27540E-07	403827.0	3770923.4	182.0	0.00	1.70	0.85	YES
L0001328	0	0.27540E-07	403823.3	3770923.6	182.0	0.00	1.70	0.85	YES
L0001329	0	0.27540E-07	403819.7	3770923.8	182.0	0.00	1.70	0.85	YES
L0001330	0	0.27540E-07	403816.0	3770924.0	182.0	0.00	1.70	0.85	YES
L0001331	0	0.27540E-07	403812.4	3770924.2	182.0	0.00	1.70	0.85	YES
L0001332	0	0.27540E-07	403808.7	3770924.4	182.0	0.00	1.70	0.85	YES
L0001333	0	0.27540E-07	403805.1	3770924.6	182.0	0.00	1.70	0.85	YES
L0001334	0	0.27540E-07	403801.4	3770924.8	182.0	0.00	1.70	0.85	YES
L0001335	0	0.27540E-07	403797.7	3770925.0	182.0	0.00	1.70	0.85	YES
L0001336	0	0.27540E-07	403794.1	3770925.2	182.0	0.00	1.70	0.85	YES
L0001337	0	0.27540E-07	403790.4	3770925.4	182.0	0.00	1.70	0.85	YES
L0001338	0	0.27540E-07	403786.8	3770925.6	182.0	0.00	1.70	0.85	YES
L0001339	0	0.27540E-07	403783.1	3770925.8	182.0	0.00	1.70	0.85	YES
L0001340	0	0.27540E-07	403779.5	3770926.0	182.0	0.00	1.70	0.85	YES
L0001341	0	0.27540E-07	403775.8	3770926.2	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001342	0	0.27540E-07	403772.2	3770926.4	182.0	0.00	1.70	0.85	YES	
L0001343	0	0.27540E-07	403768.5	3770926.6	182.0	0.00	1.70	0.85	YES	
L0001344	0	0.27540E-07	403764.9	3770926.8	182.0	0.00	1.70	0.85	YES	
L0001345	0	0.27540E-07	403761.2	3770927.0	182.0	0.00	1.70	0.85	YES	
L0001346	0	0.27540E-07	403757.5	3770927.2	182.0	0.00	1.70	0.85	YES	
L0001347	0	0.27540E-07	403753.9	3770927.4	182.0	0.00	1.70	0.85	YES	
L0001348	0	0.27540E-07	403750.2	3770927.6	182.0	0.00	1.70	0.85	YES	
L0001349	0	0.27540E-07	403746.6	3770927.8	182.0	0.00	1.70	0.85	YES	
L0001350	0	0.27540E-07	403742.9	3770928.0	182.0	0.00	1.70	0.85	YES	
L0001351	0	0.27540E-07	403739.3	3770928.2	182.0	0.00	1.70	0.85	YES	
L0001352	0	0.27540E-07	403735.6	3770928.4	182.0	0.00	1.70	0.85	YES	
L0001353	0	0.27540E-07	403732.0	3770928.6	182.0	0.00	1.70	0.85	YES	
L0001354	0	0.27540E-07	403728.3	3770928.8	182.0	0.00	1.70	0.85	YES	
L0001355	0	0.27540E-07	403724.7	3770929.0	182.0	0.00	1.70	0.85	YES	
L0001356	0	0.27540E-07	403721.0	3770929.2	182.0	0.00	1.70	0.85	YES	

L0001357	0	0.27540E-07	403717.3	3770929.4	182.0	0.00	1.70	0.85	YES
L0001358	0	0.27540E-07	403713.7	3770929.6	182.0	0.00	1.70	0.85	YES
L0001359	0	0.27540E-07	403710.0	3770929.8	182.0	0.00	1.70	0.85	YES
L0001360	0	0.27540E-07	403706.4	3770930.0	182.0	0.00	1.70	0.85	YES
L0001361	0	0.27540E-07	403702.7	3770930.2	182.0	0.00	1.70	0.85	YES
L0001362	0	0.27540E-07	403699.1	3770930.4	182.0	0.00	1.70	0.85	YES
L0001363	0	0.27540E-07	403695.4	3770930.6	182.0	0.00	1.70	0.85	YES
L0001364	0	0.27540E-07	403691.8	3770930.8	182.0	0.00	1.70	0.85	YES
L0001365	0	0.27540E-07	403688.1	3770931.1	182.0	0.00	1.70	0.85	YES
L0001366	0	0.27540E-07	403684.5	3770931.4	182.0	0.00	1.70	0.85	YES
L0001367	0	0.27540E-07	403680.8	3770931.6	182.0	0.00	1.70	0.85	YES
L0001368	0	0.27540E-07	403677.2	3770931.9	182.0	0.00	1.70	0.85	YES
L0001369	0	0.27540E-07	403673.5	3770932.2	182.0	0.00	1.70	0.85	YES
L0001370	0	0.27540E-07	403669.9	3770932.5	182.0	0.00	1.70	0.85	YES
L0001371	0	0.27540E-07	403666.2	3770932.8	182.0	0.00	1.70	0.85	YES
L0001372	0	0.27540E-07	403662.6	3770933.1	182.0	0.00	1.70	0.85	YES
L0001373	0	0.27540E-07	403658.9	3770933.4	182.0	0.00	1.70	0.85	YES
L0001374	0	0.27540E-07	403655.3	3770933.6	182.0	0.00	1.70	0.85	YES
L0001375	0	0.27540E-07	403651.6	3770933.9	182.0	0.00	1.70	0.85	YES
L0001376	0	0.27540E-07	403648.0	3770934.2	182.0	0.00	1.70	0.85	YES
L0001377	0	0.27540E-07	403644.3	3770934.5	182.0	0.00	1.70	0.85	YES
L0001378	0	0.27540E-07	403640.7	3770934.8	182.0	0.00	1.70	0.85	YES
L0001379	0	0.27540E-07	403637.0	3770935.1	182.0	0.00	1.70	0.85	YES
L0001380	0	0.27540E-07	403633.4	3770935.4	182.0	0.00	1.70	0.85	YES
L0001381	0	0.27540E-07	403629.7	3770935.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001382	0	0.27540E-07	403626.1	3770936.2	182.0	0.00	1.70	0.85	YES
L0001383	0	0.27540E-07	403622.5	3770936.6	182.0	0.00	1.70	0.85	YES
L0001384	0	0.27540E-07	403618.8	3770937.1	182.0	0.00	1.70	0.85	YES
L0001385	0	0.27540E-07	403615.2	3770937.5	182.0	0.00	1.70	0.85	YES
L0001386	0	0.27540E-07	403611.6	3770938.0	182.0	0.00	1.70	0.85	YES
L0001387	0	0.27540E-07	403608.0	3770938.5	182.0	0.00	1.70	0.85	YES
L0001388	0	0.27540E-07	403604.3	3770938.9	182.0	0.00	1.70	0.85	YES
L0001389	0	0.27540E-07	403600.7	3770939.4	182.0	0.00	1.70	0.85	YES
L0001390	0	0.27540E-07	403597.1	3770939.8	182.0	0.00	1.70	0.85	YES
L0001391	0	0.27540E-07	403593.4	3770940.4	182.0	0.00	1.70	0.85	YES
L0001392	0	0.27540E-07	403589.9	3770941.2	182.0	0.00	1.70	0.85	YES
L0001393	0	0.27540E-07	403586.3	3770942.0	182.0	0.00	1.70	0.85	YES
L0001394	0	0.27540E-07	403582.7	3770942.8	182.0	0.00	1.70	0.85	YES
L0001395	0	0.27540E-07	403579.2	3770943.6	182.0	0.00	1.70	0.85	YES
L0001396	0	0.27540E-07	403575.6	3770944.4	182.0	0.00	1.70	0.85	YES

L0001397	0	0.27540E-07	403572.0	3770945.2	182.0	0.00	1.70	0.85	YES
L0001398	0	0.27540E-07	403568.4	3770946.0	182.0	0.00	1.70	0.85	YES
L0001399	0	0.27540E-07	403564.9	3770946.8	182.0	0.00	1.70	0.85	YES
L0001400	0	0.27540E-07	403561.3	3770947.5	182.0	0.00	1.70	0.85	YES
L0001401	0	0.27540E-07	403557.7	3770948.3	182.0	0.00	1.70	0.85	YES
L0001402	0	0.27540E-07	403554.1	3770949.1	182.0	0.00	1.70	0.85	YES
L0001403	0	0.27540E-07	403550.6	3770949.9	182.0	0.00	1.70	0.85	YES
L0001404	0	0.27540E-07	403547.0	3770950.7	182.0	0.00	1.70	0.85	YES
L0001405	0	0.27540E-07	403543.4	3770951.5	182.0	0.00	1.70	0.85	YES
L0001406	0	0.27540E-07	403539.9	3770952.3	182.0	0.00	1.70	0.85	YES
L0001407	0	0.27540E-07	403536.3	3770953.1	182.0	0.00	1.70	0.85	YES
L0001408	0	0.27540E-07	403532.7	3770953.9	182.0	0.00	1.70	0.85	YES
L0001409	0	0.27540E-07	403529.1	3770954.7	182.0	0.00	1.70	0.85	YES
L0001410	0	0.27540E-07	403525.6	3770955.8	182.0	0.00	1.70	0.85	YES
L0001411	0	0.27540E-07	403522.1	3770956.8	182.0	0.00	1.70	0.85	YES
L0001412	0	0.27540E-07	403518.6	3770957.9	182.0	0.00	1.70	0.85	YES
L0001413	0	0.27540E-07	403515.1	3770959.0	182.0	0.00	1.70	0.85	YES
L0001414	0	0.27540E-07	403511.6	3770960.1	182.0	0.00	1.70	0.85	YES
L0001415	0	0.27540E-07	403508.1	3770961.1	182.0	0.00	1.70	0.85	YES
L0001416	0	0.27540E-07	403504.6	3770962.2	182.0	0.00	1.70	0.85	YES
L0001417	0	0.27540E-07	403501.1	3770963.3	182.0	0.00	1.70	0.85	YES
L0001418	0	0.27540E-07	403497.6	3770964.4	182.0	0.00	1.70	0.85	YES
L0001419	0	0.27540E-07	403494.2	3770965.4	182.0	0.00	1.70	0.85	YES
L0001420	0	0.27540E-07	403490.7	3770966.5	182.0	0.00	1.70	0.85	YES
L0001421	0	0.27540E-07	403487.2	3770967.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001422	0	0.27540E-07	403483.7	3770968.9	182.0	0.00	1.70	0.85	YES
L0001423	0	0.27540E-07	403480.3	3770970.2	182.0	0.00	1.70	0.85	YES
L0001424	0	0.27540E-07	403476.8	3770971.4	182.0	0.00	1.70	0.85	YES
L0001425	0	0.27540E-07	403473.4	3770972.6	182.0	0.00	1.70	0.85	YES
L0001426	0	0.27540E-07	403469.9	3770973.8	182.0	0.00	1.70	0.85	YES
L0001427	0	0.27540E-07	403466.5	3770975.1	182.0	0.00	1.70	0.85	YES
L0001428	0	0.27540E-07	403463.0	3770976.3	182.0	0.00	1.70	0.85	YES
L0001429	0	0.27540E-07	403459.6	3770977.5	182.0	0.00	1.70	0.85	YES
L0001430	0	0.27540E-07	403456.1	3770978.7	182.0	0.00	1.70	0.85	YES
L0001431	0	0.27540E-07	403452.7	3770980.0	182.0	0.00	1.70	0.85	YES
L0001432	0	0.27540E-07	403449.3	3770981.2	182.0	0.00	1.70	0.85	YES
L0001433	0	0.27540E-07	403445.8	3770982.4	182.0	0.00	1.70	0.85	YES
L0001434	0	0.27540E-07	403442.4	3770983.6	182.0	0.00	1.70	0.85	YES
L0001435	0	0.27540E-07	403438.9	3770984.9	182.0	0.00	1.70	0.85	YES
L0001436	0	0.27540E-07	403435.5	3770986.1	182.0	0.00	1.70	0.85	YES

L0001437	0	0.27540E-07	403432.1	3770987.5	182.0	0.00	1.70	0.85	YES
L0001438	0	0.27540E-07	403428.7	3770989.0	182.0	0.00	1.70	0.85	YES
L0001439	0	0.27540E-07	403425.4	3770990.4	182.0	0.00	1.70	0.85	YES
L0001440	0	0.27540E-07	403422.0	3770991.9	182.0	0.00	1.70	0.85	YES
L0001441	0	0.27540E-07	403418.7	3770993.4	182.0	0.00	1.70	0.85	YES
L0001442	0	0.27540E-07	403415.3	3770994.8	182.0	0.00	1.70	0.85	YES
L0001443	0	0.27540E-07	403412.0	3770996.3	182.0	0.00	1.70	0.85	YES
L0001444	0	0.27540E-07	403408.6	3770997.8	182.0	0.00	1.70	0.85	YES
L0001445	0	0.27540E-07	403405.3	3770999.2	182.0	0.00	1.70	0.85	YES
L0001446	0	0.27540E-07	403401.9	3771000.7	182.0	0.00	1.70	0.85	YES
L0001447	0	0.27540E-07	403398.5	3771002.2	182.0	0.00	1.70	0.85	YES
L0001448	0	0.27540E-07	403395.2	3771003.6	182.0	0.00	1.70	0.85	YES
L0001449	0	0.27540E-07	403391.8	3771005.1	182.0	0.00	1.70	0.85	YES
L0001450	0	0.27540E-07	403388.5	3771006.6	182.0	0.00	1.70	0.85	YES
L0001451	0	0.27540E-07	403385.1	3771008.0	182.0	0.00	1.70	0.85	YES
L0001452	0	0.27540E-07	403381.8	3771009.5	182.0	0.00	1.70	0.85	YES
L0001453	0	0.27540E-07	403378.4	3771011.0	182.0	0.00	1.70	0.85	YES
L0001454	0	0.27540E-07	403375.1	3771012.4	182.0	0.00	1.70	0.85	YES
L0001455	0	0.27540E-07	403371.7	3771013.9	182.0	0.00	1.70	0.85	YES
L0001456	0	0.27540E-07	403368.4	3771015.3	182.0	0.00	1.70	0.85	YES
L0001457	0	0.27540E-07	403365.0	3771016.8	182.0	0.00	1.70	0.85	YES
L0001458	0	0.27540E-07	403361.7	3771018.3	182.0	0.00	1.70	0.85	YES
L0001459	0	0.27540E-07	403358.3	3771019.7	182.0	0.00	1.70	0.85	YES
L0001460	0	0.27540E-07	403354.9	3771021.2	182.0	0.00	1.70	0.85	YES
L0001461	0	0.27540E-07	403351.6	3771022.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001462	0	0.27540E-07	403348.2	3771024.1	182.0	0.00	1.70	0.85	YES	
L0001463	0	0.27540E-07	403344.9	3771025.6	182.0	0.00	1.70	0.85	YES	
L0001464	0	0.27540E-07	403341.5	3771027.1	182.0	0.00	1.70	0.85	YES	
L0001465	0	0.27540E-07	403338.2	3771028.5	182.0	0.00	1.70	0.85	YES	
L0001466	0	0.27540E-07	403334.8	3771030.0	182.0	0.00	1.70	0.85	YES	
L0001467	0	0.27540E-07	403331.5	3771031.5	182.0	0.00	1.70	0.85	YES	
L0001468	0	0.27540E-07	403328.1	3771033.0	182.0	0.00	1.70	0.85	YES	
L0001469	0	0.27540E-07	403324.9	3771034.6	182.0	0.00	1.70	0.85	YES	
L0001470	0	0.27540E-07	403321.6	3771036.3	182.0	0.00	1.70	0.85	YES	
L0001471	0	0.27540E-07	403318.3	3771037.9	182.0	0.00	1.70	0.85	YES	
L0001472	0	0.27540E-07	403315.1	3771039.6	182.0	0.00	1.70	0.85	YES	
L0001473	0	0.27540E-07	403311.8	3771041.2	182.0	0.00	1.70	0.85	YES	
L0001474	0	0.27540E-07	403308.5	3771042.9	182.0	0.00	1.70	0.85	YES	
L0001475	0	0.27540E-07	403305.3	3771044.5	182.0	0.00	1.70	0.85	YES	
L0001476	0	0.27540E-07	403302.0	3771046.2	182.0	0.00	1.70	0.85	YES	

L0001477	0	0.27540E-07	403298.7	3771047.8	182.0	0.00	1.70	0.85	YES
L0001478	0	0.27540E-07	403295.5	3771049.5	182.0	0.00	1.70	0.85	YES
L0001479	0	0.27540E-07	403292.2	3771051.1	182.0	0.00	1.70	0.85	YES
L0001480	0	0.27540E-07	403288.9	3771052.8	182.0	0.00	1.70	0.85	YES
L0001481	0	0.27540E-07	403285.7	3771054.4	182.0	0.00	1.70	0.85	YES
L0001482	0	0.27540E-07	403282.4	3771056.1	182.0	0.00	1.70	0.85	YES
L0001483	0	0.27540E-07	403279.1	3771057.7	182.0	0.00	1.70	0.85	YES
L0001484	0	0.27540E-07	403275.9	3771059.4	182.0	0.00	1.70	0.85	YES
L0001485	0	0.27540E-07	403272.6	3771061.0	182.0	0.00	1.70	0.85	YES
L0001486	0	0.27540E-07	403269.3	3771062.6	182.0	0.00	1.70	0.85	YES
L0001487	0	0.27540E-07	403266.0	3771064.3	182.0	0.00	1.70	0.85	YES
L0001488	0	0.27540E-07	403262.8	3771065.9	182.0	0.00	1.70	0.85	YES
L0001489	0	0.27540E-07	403259.5	3771067.6	182.0	0.00	1.70	0.85	YES
L0001490	0	0.27540E-07	403256.2	3771069.2	182.0	0.00	1.70	0.85	YES
L0001491	0	0.27540E-07	403253.0	3771070.9	182.0	0.00	1.70	0.85	YES
L0001492	0	0.27540E-07	403249.7	3771072.5	182.0	0.00	1.70	0.85	YES
L0001493	0	0.27540E-07	403246.4	3771074.2	182.0	0.00	1.70	0.85	YES
L0001494	0	0.27540E-07	403243.2	3771075.8	182.0	0.00	1.70	0.85	YES
L0001495	0	0.27540E-07	403239.9	3771077.5	182.0	0.00	1.70	0.85	YES
L0001496	0	0.27540E-07	403236.6	3771079.1	182.0	0.00	1.70	0.85	YES
L0001497	0	0.27540E-07	403233.4	3771080.8	182.0	0.00	1.70	0.85	YES
L0001498	0	0.27540E-07	403230.1	3771082.4	182.0	0.00	1.70	0.85	YES
L0001499	0	0.27540E-07	403226.8	3771084.1	182.0	0.00	1.70	0.85	YES
L0001500	0	0.27540E-07	403223.6	3771085.7	182.0	0.00	1.70	0.85	YES
L0001501	0	0.27540E-07	403220.3	3771087.3	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001502	0	0.27540E-07	403217.0	3771089.0	182.0	0.00	1.70	0.85	YES	
L0001503	0	0.27540E-07	403213.8	3771090.6	182.0	0.00	1.70	0.85	YES	
L0001504	0	0.27540E-07	403210.5	3771092.3	182.0	0.00	1.70	0.85	YES	
L0001505	0	0.27540E-07	403207.2	3771093.9	182.0	0.00	1.70	0.85	YES	
L0001506	0	0.27540E-07	403203.9	3771095.6	182.0	0.00	1.70	0.85	YES	
L0001507	0	0.27540E-07	403200.7	3771097.2	182.0	0.00	1.70	0.85	YES	
L0001508	0	0.27540E-07	403197.4	3771098.9	182.0	0.00	1.70	0.85	YES	
L0001509	0	0.27540E-07	403194.1	3771100.5	182.0	0.00	1.70	0.85	YES	
L0001510	0	0.27540E-07	403190.9	3771102.2	182.0	0.00	1.70	0.85	YES	
L0001511	0	0.27540E-07	403187.6	3771103.8	182.0	0.00	1.70	0.85	YES	
L0001512	0	0.27540E-07	403184.3	3771105.5	182.0	0.00	1.70	0.85	YES	
L0001513	0	0.27540E-07	403181.1	3771107.1	182.0	0.00	1.70	0.85	YES	
L0001514	0	0.27540E-07	403177.8	3771108.8	182.0	0.00	1.70	0.85	YES	
L0001515	0	0.27540E-07	403174.5	3771110.4	182.0	0.00	1.70	0.85	YES	
L0001516	0	0.27540E-07	403171.3	3771112.1	182.0	0.00	1.70	0.85	YES	

L0001517	0	0.27540E-07	403168.0	3771113.7	182.0	0.00	1.70	0.85	YES
L0001518	0	0.27540E-07	403164.7	3771115.3	182.0	0.00	1.70	0.85	YES
L0001519	0	0.27540E-07	403161.5	3771117.0	182.0	0.00	1.70	0.85	YES
L0001520	0	0.27540E-07	403158.2	3771118.6	182.0	0.00	1.70	0.85	YES
L0001521	0	0.27540E-07	403154.9	3771120.3	182.0	0.00	1.70	0.85	YES
L0001522	0	0.27540E-07	403151.6	3771121.9	182.0	0.00	1.70	0.85	YES
L0001523	0	0.27540E-07	403148.4	3771123.6	182.0	0.00	1.70	0.85	YES
L0001524	0	0.27540E-07	403145.1	3771125.2	182.0	0.00	1.70	0.85	YES
L0001525	0	0.27540E-07	403141.8	3771126.9	182.0	0.00	1.70	0.85	YES
L0001526	0	0.27540E-07	403138.6	3771128.5	182.0	0.00	1.70	0.85	YES
L0001527	0	0.27540E-07	403135.3	3771130.2	182.0	0.00	1.70	0.85	YES
L0001528	0	0.27540E-07	403132.0	3771131.8	182.0	0.00	1.70	0.85	YES
L0001529	0	0.27540E-07	403128.8	3771133.5	182.0	0.00	1.70	0.85	YES
L0001530	0	0.27540E-07	403125.5	3771135.1	182.0	0.00	1.70	0.85	YES
L0001531	0	0.27540E-07	403122.2	3771136.8	182.0	0.00	1.70	0.85	YES
L0001532	0	0.27540E-07	403119.0	3771138.4	182.0	0.00	1.70	0.85	YES
L0001533	0	0.27540E-07	403115.7	3771140.0	182.0	0.00	1.70	0.85	YES
L0001534	0	0.27540E-07	403112.4	3771141.7	182.0	0.00	1.70	0.85	YES
L0001535	0	0.27540E-07	403109.2	3771143.3	182.0	0.00	1.70	0.85	YES
L0001536	0	0.27540E-07	403105.9	3771145.0	182.0	0.00	1.70	0.85	YES
L0001537	0	0.27540E-07	403102.6	3771146.6	182.0	0.00	1.70	0.85	YES
L0001538	0	0.27540E-07	403099.3	3771148.3	182.0	0.00	1.70	0.85	YES
L0001539	0	0.27540E-07	403096.1	3771149.9	182.0	0.00	1.70	0.85	YES
L0001540	0	0.27540E-07	403092.8	3771151.6	182.0	0.00	1.70	0.85	YES
L0001541	0	0.27540E-07	403089.5	3771153.2	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001542	0	0.27540E-07	403086.3	3771154.9	182.0	0.00	1.70	0.85	YES
L0001543	0	0.27540E-07	403083.0	3771156.5	182.0	0.00	1.70	0.85	YES
L0001544	0	0.27540E-07	403079.7	3771158.2	182.0	0.00	1.70	0.85	YES
L0001545	0	0.27540E-07	403076.5	3771159.8	182.0	0.00	1.70	0.85	YES
L0001546	0	0.27540E-07	403073.2	3771161.5	182.0	0.00	1.70	0.85	YES
L0001547	0	0.27540E-07	403069.9	3771163.1	182.0	0.00	1.70	0.85	YES
L0001548	0	0.27540E-07	403066.7	3771164.7	182.0	0.00	1.70	0.85	YES
L0001549	0	0.27540E-07	403063.4	3771166.4	182.0	0.00	1.70	0.85	YES
L0001550	0	0.27540E-07	403060.1	3771168.0	182.0	0.00	1.70	0.85	YES
L0001551	0	0.27540E-07	403056.9	3771169.7	182.0	0.00	1.70	0.85	YES
L0001552	0	0.27540E-07	403053.6	3771171.3	182.0	0.00	1.70	0.85	YES
L0001553	0	0.27540E-07	403050.3	3771173.0	182.0	0.00	1.70	0.85	YES
L0001554	0	0.27540E-07	403047.1	3771174.6	182.0	0.00	1.70	0.85	YES
L0001555	0	0.27540E-07	403043.8	3771176.3	182.0	0.00	1.70	0.85	YES
L0001556	0	0.27540E-07	403040.5	3771177.9	182.0	0.00	1.70	0.85	YES

L0001557	0	0.27540E-07	403037.2	3771179.6	182.0	0.00	1.70	0.85	YES
L0001558	0	0.27540E-07	403034.0	3771181.2	182.0	0.00	1.70	0.85	YES
L0001559	0	0.27540E-07	403030.7	3771182.9	182.0	0.00	1.70	0.85	YES
L0001560	0	0.27540E-07	403027.4	3771184.5	182.0	0.00	1.70	0.85	YES
L0001561	0	0.27540E-07	403024.2	3771186.2	182.0	0.00	1.70	0.85	YES
L0001562	0	0.27540E-07	403020.9	3771187.8	182.0	0.00	1.70	0.85	YES
L0001563	0	0.27540E-07	403017.6	3771189.5	182.0	0.00	1.70	0.85	YES
L0001564	0	0.27540E-07	403014.4	3771191.1	182.0	0.00	1.70	0.85	YES
L0001565	0	0.27540E-07	403011.1	3771192.7	182.0	0.00	1.70	0.85	YES
L0001566	0	0.27540E-07	403007.8	3771194.4	182.0	0.00	1.70	0.85	YES
L0001567	0	0.27540E-07	403004.6	3771196.0	182.0	0.00	1.70	0.85	YES
L0001568	0	0.27540E-07	403001.3	3771197.7	182.0	0.00	1.70	0.85	YES
L0001569	0	0.27540E-07	402998.0	3771199.3	182.0	0.00	1.70	0.85	YES
L0001570	0	0.27540E-07	402994.8	3771201.0	182.0	0.00	1.70	0.85	YES
L0001571	0	0.27540E-07	402991.5	3771202.6	182.0	0.00	1.70	0.85	YES
L0001572	0	0.27540E-07	402988.2	3771204.3	182.0	0.00	1.70	0.85	YES
L0001573	0	0.27540E-07	402985.0	3771205.9	182.0	0.00	1.70	0.85	YES
L0001574	0	0.27540E-07	402981.7	3771207.6	182.0	0.00	1.70	0.85	YES
L0001575	0	0.27540E-07	402978.4	3771209.2	182.0	0.00	1.70	0.85	YES
L0001576	0	0.27540E-07	402975.1	3771210.9	182.0	0.00	1.70	0.85	YES
L0001577	0	0.27540E-07	402971.9	3771212.5	182.0	0.00	1.70	0.85	YES
L0001578	0	0.27540E-07	402968.6	3771214.2	182.0	0.00	1.70	0.85	YES
L0001579	0	0.27540E-07	402965.3	3771215.8	182.0	0.00	1.70	0.85	YES
L0001580	0	0.27540E-07	402962.1	3771217.4	182.0	0.00	1.70	0.85	YES
L0001581	0	0.27540E-07	402958.8	3771219.1	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001582	0	0.27540E-07	402955.5	3771220.7	182.0	0.00	1.70	0.85	YES
L0001583	0	0.27540E-07	402952.3	3771222.4	182.0	0.00	1.70	0.85	YES
L0001584	0	0.27540E-07	402949.0	3771224.0	182.0	0.00	1.70	0.85	YES
L0001585	0	0.27540E-07	402945.7	3771225.7	182.0	0.00	1.70	0.85	YES
L0001586	0	0.27540E-07	402942.5	3771227.3	182.0	0.00	1.70	0.85	YES
L0001587	0	0.27540E-07	402939.2	3771229.0	182.0	0.00	1.70	0.85	YES
L0001588	0	0.27540E-07	402936.1	3771230.2	182.0	0.00	1.70	0.85	YES
L0001589	0	0.27540E-07	402935.0	3771226.7	182.0	0.00	1.70	0.85	YES
L0001590	0	0.27540E-07	402934.0	3771223.2	182.0	0.00	1.70	0.85	YES
L0001591	0	0.27540E-07	402932.9	3771219.7	182.0	0.00	1.70	0.85	YES
L0001592	0	0.27540E-07	402931.8	3771216.2	182.0	0.00	1.70	0.85	YES
L0001593	0	0.27540E-07	402930.7	3771212.7	182.0	0.00	1.70	0.85	YES
L0001594	0	0.27540E-07	402929.6	3771209.2	182.0	0.00	1.70	0.85	YES
L0001595	0	0.27540E-07	402928.6	3771205.7	182.0	0.00	1.70	0.85	YES
L0001596	0	0.27540E-07	402927.5	3771202.2	182.0	0.00	1.70	0.85	YES

L0001597	0	0.27540E-07	402926.4	3771198.7	182.0	0.00	1.70	0.85	YES
L0001598	0	0.27540E-07	402925.3	3771195.2	182.0	0.00	1.70	0.85	YES
L0001599	0	0.27540E-07	402924.3	3771191.7	182.0	0.00	1.70	0.85	YES
L0001600	0	0.27540E-07	402923.2	3771188.2	182.0	0.00	1.70	0.85	YES
L0001601	0	0.27540E-07	402922.1	3771184.7	182.0	0.00	1.70	0.85	YES
L0001602	0	0.27540E-07	402921.0	3771181.2	182.0	0.00	1.70	0.85	YES
L0001603	0	0.27540E-07	402919.9	3771177.7	182.0	0.00	1.70	0.85	YES
L0001604	0	0.27540E-07	402918.9	3771174.2	182.0	0.00	1.70	0.85	YES
L0001605	0	0.27540E-07	402917.8	3771170.7	182.0	0.00	1.70	0.85	YES
L0001606	0	0.27540E-07	402916.7	3771167.2	182.0	0.00	1.70	0.85	YES
L0001607	0	0.27540E-07	402915.6	3771163.7	182.0	0.00	1.70	0.85	YES
L0001608	0	0.27540E-07	402914.6	3771160.2	182.0	0.00	1.70	0.85	YES
L0001609	0	0.27540E-07	402913.6	3771156.7	182.0	0.00	1.70	0.85	YES
L0001610	0	0.27540E-07	402912.5	3771153.2	182.0	0.00	1.70	0.85	YES
L0001611	0	0.27540E-07	402911.5	3771149.7	182.0	0.00	1.70	0.85	YES
L0001612	0	0.27540E-07	402910.4	3771146.2	182.0	0.00	1.70	0.85	YES
L0001613	0	0.27540E-07	402909.4	3771142.6	182.0	0.00	1.70	0.85	YES
L0001614	0	0.27540E-07	402908.3	3771139.1	182.0	0.00	1.70	0.85	YES
L0001615	0	0.27540E-07	402907.3	3771135.6	182.0	0.00	1.70	0.85	YES
L0001616	0	0.27540E-07	402906.2	3771132.1	182.0	0.00	1.70	0.85	YES
L0001617	0	0.27540E-07	402905.2	3771128.6	182.0	0.00	1.70	0.85	YES
L0001618	0	0.27540E-07	402904.2	3771125.1	182.0	0.00	1.70	0.85	YES
L0001619	0	0.27540E-07	402903.1	3771121.6	182.0	0.00	1.70	0.85	YES
L0001620	0	0.27540E-07	402902.1	3771118.1	182.0	0.00	1.70	0.85	YES
L0001621	0	0.27540E-07	402901.0	3771114.6	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001622	0	0.27540E-07	402900.0	3771111.1	182.0	0.00	1.70	0.85	YES
L0001623	0	0.27540E-07	402898.9	3771107.6	182.0	0.00	1.70	0.85	YES
L0001624	0	0.27540E-07	402897.9	3771104.1	182.0	0.00	1.70	0.85	YES
L0001625	0	0.27540E-07	402896.8	3771100.6	182.0	0.00	1.70	0.85	YES
L0001626	0	0.27540E-07	402895.8	3771097.0	182.0	0.00	1.70	0.85	YES
L0001627	0	0.27540E-07	402894.8	3771093.5	182.0	0.00	1.70	0.85	YES
L0001628	0	0.27540E-07	402893.7	3771090.0	182.0	0.00	1.70	0.85	YES
L0001629	0	0.27540E-07	402892.7	3771086.5	182.0	0.00	1.70	0.85	YES
L0001630	0	0.27540E-07	402891.6	3771083.0	182.0	0.00	1.70	0.85	YES
L0001631	0	0.27540E-07	402890.6	3771079.5	182.0	0.00	1.70	0.85	YES
L0001632	0	0.27540E-07	402889.5	3771076.0	182.0	0.00	1.70	0.85	YES
L0001633	0	0.27540E-07	402888.5	3771072.5	182.0	0.00	1.70	0.85	YES
L0001634	0	0.27540E-07	402887.5	3771069.0	182.0	0.00	1.70	0.85	YES
L0001635	0	0.27540E-07	402886.4	3771065.5	182.0	0.00	1.70	0.85	YES
L0001636	0	0.27540E-07	402885.4	3771062.0	182.0	0.00	1.70	0.85	YES

L0001637	0	0.27540E-07	402884.3	3771058.5	182.0	0.00	1.70	0.85	YES
L0001638	0	0.27540E-07	402883.3	3771054.9	182.0	0.00	1.70	0.85	YES
L0001639	0	0.27540E-07	402882.2	3771051.4	182.0	0.00	1.70	0.85	YES
L0001640	0	0.27540E-07	402881.2	3771047.9	182.0	0.00	1.70	0.85	YES
L0001641	0	0.27540E-07	402880.1	3771044.4	182.0	0.00	1.70	0.85	YES
L0001642	0	0.27540E-07	402879.1	3771040.9	182.0	0.00	1.70	0.85	YES
L0001643	0	0.27540E-07	402878.1	3771037.4	182.0	0.00	1.70	0.85	YES
L0001644	0	0.27540E-07	402877.0	3771033.9	182.0	0.00	1.70	0.85	YES
L0001645	0	0.27540E-07	402876.0	3771030.4	182.0	0.00	1.70	0.85	YES
L0001646	0	0.27540E-07	402874.9	3771026.9	182.0	0.00	1.70	0.85	YES
L0001647	0	0.27540E-07	402873.9	3771023.4	182.0	0.00	1.70	0.85	YES
L0001648	0	0.27540E-07	402872.8	3771019.9	182.0	0.00	1.70	0.85	YES
L0001649	0	0.27540E-07	402871.8	3771016.4	182.0	0.00	1.70	0.85	YES
L0001650	0	0.27540E-07	402871.0	3771012.8	182.0	0.00	1.70	0.85	YES
L0001651	0	0.27540E-07	402870.1	3771009.2	182.0	0.00	1.70	0.85	YES
L0001652	0	0.27540E-07	402869.3	3771005.7	182.0	0.00	1.70	0.85	YES
L0001653	0	0.27540E-07	402868.4	3771002.1	182.0	0.00	1.70	0.85	YES
L0001654	0	0.27540E-07	402867.5	3770998.6	182.0	0.00	1.70	0.85	YES
L0001655	0	0.27540E-07	402866.7	3770995.0	182.0	0.00	1.70	0.85	YES
L0001656	0	0.27540E-07	402865.8	3770991.4	182.0	0.00	1.70	0.85	YES
L0001657	0	0.27540E-07	402865.0	3770987.9	182.0	0.00	1.70	0.85	YES
L0001658	0	0.27540E-07	402864.1	3770984.3	182.0	0.00	1.70	0.85	YES
L0001659	0	0.27540E-07	402863.3	3770980.8	182.0	0.00	1.70	0.85	YES
L0001660	0	0.27540E-07	402862.4	3770977.2	182.0	0.00	1.70	0.85	YES
L0001661	0	0.27540E-07	402861.6	3770973.6	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001662	0	0.27540E-07	402860.7	3770970.1	182.0	0.00	1.70	0.85	YES
L0001663	0	0.27540E-07	402859.9	3770966.5	182.0	0.00	1.70	0.85	YES
L0001664	0	0.27540E-07	402859.0	3770963.0	182.0	0.00	1.70	0.85	YES
L0001665	0	0.27540E-07	402858.2	3770959.4	182.0	0.00	1.70	0.85	YES
L0001666	0	0.27540E-07	402857.3	3770955.9	182.0	0.00	1.70	0.85	YES
L0001667	0	0.27540E-07	402856.5	3770952.3	182.0	0.00	1.70	0.85	YES
L0001668	0	0.27540E-07	402856.1	3770948.6	182.0	0.00	1.70	0.85	YES
L0001669	0	0.27540E-07	402855.8	3770945.0	182.0	0.00	1.70	0.85	YES
L0001670	0	0.27540E-07	402855.5	3770941.4	182.0	0.00	1.70	0.85	YES
L0001671	0	0.27540E-07	402855.1	3770937.7	182.0	0.00	1.70	0.85	YES
L0001672	0	0.27540E-07	402854.8	3770934.1	182.0	0.00	1.70	0.85	YES
L0001673	0	0.27540E-07	402854.4	3770930.4	182.0	0.00	1.70	0.85	YES
L0001674	0	0.27540E-07	402854.1	3770926.8	182.0	0.00	1.70	0.85	YES
L0001675	0	0.27540E-07	402853.7	3770923.1	182.0	0.00	1.70	0.85	YES
L0001676	0	0.27540E-07	402853.4	3770919.5	182.0	0.00	1.70	0.85	YES

L0001677	0	0.27540E-07	402853.1	3770915.8	182.0	0.00	1.70	0.85	YES
L0001678	0	0.27540E-07	402852.9	3770912.2	182.0	0.00	1.70	0.85	YES
L0001679	0	0.27540E-07	402852.8	3770908.5	182.0	0.00	1.70	0.85	YES
L0001680	0	0.27540E-07	402852.6	3770904.9	182.0	0.00	1.70	0.85	YES
L0001681	0	0.27540E-07	402852.5	3770901.2	182.0	0.00	1.70	0.85	YES
L0001682	0	0.27540E-07	402852.4	3770897.6	182.0	0.00	1.70	0.85	YES
L0001683	0	0.27540E-07	402852.3	3770893.9	182.0	0.00	1.70	0.85	YES
L0001684	0	0.27540E-07	402852.2	3770890.2	182.0	0.00	1.70	0.85	YES
L0001685	0	0.27540E-07	402852.1	3770886.6	182.0	0.00	1.70	0.85	YES
L0001686	0	0.27540E-07	402852.1	3770882.9	182.0	0.00	1.70	0.85	YES
L0001687	0	0.27540E-07	402852.1	3770879.3	182.0	0.00	1.70	0.85	YES
L0001688	0	0.27540E-07	402852.1	3770875.6	182.0	0.00	1.70	0.85	YES
L0001689	0	0.27540E-07	402852.1	3770871.9	182.0	0.00	1.70	0.85	YES
L0001690	0	0.27540E-07	402852.1	3770868.3	182.0	0.00	1.70	0.85	YES
L0001691	0	0.27540E-07	402852.1	3770864.6	182.0	0.00	1.70	0.85	YES
L0001692	0	0.27540E-07	402852.1	3770861.0	182.0	0.00	1.70	0.85	YES
L0001693	0	0.27540E-07	402852.1	3770857.3	182.0	0.00	1.70	0.85	YES
L0001694	0	0.27540E-07	402852.2	3770853.6	182.0	0.00	1.70	0.85	YES
L0001695	0	0.27540E-07	402852.2	3770850.0	182.0	0.00	1.70	0.85	YES
L0001696	0	0.27540E-07	402852.2	3770846.3	182.0	0.00	1.70	0.85	YES
L0001697	0	0.27540E-07	402852.2	3770842.7	182.0	0.00	1.70	0.85	YES
L0001698	0	0.27540E-07	402852.2	3770839.0	182.0	0.00	1.70	0.85	YES
L0001699	0	0.27540E-07	402852.2	3770835.3	182.0	0.00	1.70	0.85	YES
L0001700	0	0.27540E-07	402852.2	3770831.7	182.0	0.00	1.70	0.85	YES
L0001701	0	0.27540E-07	402852.2	3770828.0	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001702	0	0.27540E-07	402852.2	3770824.4	182.0	0.00	1.70	0.85	YES
L0001703	0	0.27540E-07	402852.3	3770820.7	182.0	0.00	1.70	0.85	YES
L0001704	0	0.27540E-07	402852.3	3770817.0	182.0	0.00	1.70	0.85	YES
L0001705	0	0.27540E-07	402852.3	3770813.4	182.0	0.00	1.70	0.85	YES
L0001706	0	0.27540E-07	402852.3	3770809.7	182.0	0.00	1.70	0.85	YES
L0001707	0	0.27540E-07	402852.3	3770806.1	182.0	0.00	1.70	0.85	YES
L0001708	0	0.27540E-07	402852.3	3770802.4	182.0	0.00	1.70	0.85	YES
L0001709	0	0.27540E-07	402852.3	3770798.7	182.0	0.00	1.70	0.85	YES
L0001710	0	0.27540E-07	402852.3	3770795.1	182.0	0.00	1.70	0.85	YES
L0001711	0	0.27540E-07	402852.3	3770791.4	182.0	0.00	1.70	0.85	YES
L0001712	0	0.27540E-07	402852.4	3770787.8	182.0	0.00	1.70	0.85	YES
L0001713	0	0.27540E-07	402852.4	3770784.1	182.0	0.00	1.70	0.85	YES
L0001714	0	0.27540E-07	402852.4	3770780.4	182.0	0.00	1.70	0.85	YES
L0001715	0	0.27540E-07	402852.4	3770776.8	182.0	0.00	1.70	0.85	YES
L0001716	0	0.27540E-07	402852.4	3770773.1	182.0	0.00	1.70	0.85	YES

L0001717	0	0.27540E-07	402852.4	3770769.5	182.0	0.00	1.70	0.85	YES
L0001718	0	0.27540E-07	402852.4	3770765.8	182.0	0.00	1.70	0.85	YES
L0001719	0	0.27540E-07	402852.4	3770762.1	182.0	0.00	1.70	0.85	YES
L0001720	0	0.27540E-07	402852.4	3770758.5	182.0	0.00	1.70	0.85	YES
L0001721	0	0.27540E-07	402852.5	3770754.8	182.0	0.00	1.70	0.85	YES
L0001722	0	0.27540E-07	402852.5	3770751.2	182.0	0.00	1.70	0.85	YES
L0001723	0	0.27540E-07	402852.5	3770747.5	182.0	0.00	1.70	0.85	YES
L0001724	0	0.27540E-07	402852.5	3770743.8	182.0	0.00	1.70	0.85	YES
L0001725	0	0.27540E-07	402852.5	3770740.2	182.0	0.00	1.70	0.85	YES
L0001726	0	0.27540E-07	402852.5	3770736.5	182.0	0.00	1.70	0.85	YES
L0001727	0	0.27540E-07	402852.5	3770732.9	182.0	0.00	1.70	0.85	YES
L0001728	0	0.27540E-07	402852.5	3770729.2	182.0	0.00	1.70	0.85	YES
L0001729	0	0.27540E-07	402852.5	3770725.5	182.0	0.00	1.70	0.85	YES
L0001730	0	0.27540E-07	402852.6	3770721.9	182.0	0.00	1.70	0.85	YES
L0001731	0	0.27540E-07	402852.6	3770718.2	182.0	0.00	1.70	0.85	YES
L0001732	0	0.27540E-07	402852.6	3770714.6	182.0	0.00	1.70	0.85	YES
L0001733	0	0.27540E-07	402852.6	3770710.9	182.0	0.00	1.70	0.85	YES
L0001734	0	0.27540E-07	402852.6	3770707.2	182.0	0.00	1.70	0.85	YES
L0001735	0	0.27540E-07	402852.6	3770703.6	182.0	0.00	1.70	0.85	YES
L0001736	0	0.27540E-07	402852.6	3770699.9	182.0	0.00	1.70	0.85	YES
L0001737	0	0.27540E-07	402852.6	3770696.3	182.0	0.00	1.70	0.85	YES
L0001738	0	0.27540E-07	402852.6	3770692.6	182.0	0.00	1.70	0.85	YES
L0001739	0	0.27540E-07	402852.7	3770688.9	182.0	0.00	1.70	0.85	YES
L0001740	0	0.27540E-07	402852.7	3770685.3	182.0	0.00	1.70	0.85	YES
L0001741	0	0.27540E-07	402852.8	3770681.6	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001742	0	0.27540E-07	402852.9	3770678.0	182.0	0.00	1.70	0.85	YES
L0001743	0	0.27540E-07	402853.0	3770674.3	182.0	0.00	1.70	0.85	YES
L0001744	0	0.27540E-07	402853.0	3770670.7	182.0	0.00	1.70	0.85	YES
L0001745	0	0.27540E-07	402853.1	3770667.0	182.0	0.00	1.70	0.85	YES
L0001746	0	0.27540E-07	402853.2	3770663.3	182.0	0.00	1.70	0.85	YES
L0001747	0	0.27540E-07	402853.2	3770659.7	182.0	0.00	1.70	0.85	YES
L0001748	0	0.27540E-07	402853.3	3770656.0	182.0	0.00	1.70	0.85	YES
L0001749	0	0.27540E-07	402853.4	3770652.4	182.0	0.00	1.70	0.85	YES
L0001750	0	0.27540E-07	402853.4	3770648.7	182.0	0.00	1.70	0.85	YES
L0001751	0	0.27540E-07	402853.5	3770645.0	182.0	0.00	1.70	0.85	YES
L0001752	0	0.27540E-07	402853.6	3770641.4	182.0	0.00	1.70	0.85	YES
L0001753	0	0.27540E-07	402853.6	3770637.7	182.0	0.00	1.70	0.85	YES
L0001754	0	0.27540E-07	402853.7	3770634.1	182.0	0.00	1.70	0.85	YES
L0001755	0	0.27540E-07	402853.8	3770630.4	182.0	0.00	1.70	0.85	YES
L0001756	0	0.27540E-07	402853.8	3770626.7	182.0	0.00	1.70	0.85	YES

L0001757	0	0.27540E-07	402853.9	3770623.1	182.0	0.00	1.70	0.85	YES
L0001758	0	0.27540E-07	402854.0	3770619.4	182.0	0.00	1.70	0.85	YES
L0001759	0	0.27540E-07	402854.1	3770615.8	182.0	0.00	1.70	0.85	YES
L0001760	0	0.27540E-07	402854.1	3770612.1	182.0	0.00	1.70	0.85	YES
L0001761	0	0.27540E-07	402854.2	3770608.4	182.0	0.00	1.70	0.85	YES
L0001762	0	0.27540E-07	402854.3	3770604.8	182.0	0.00	1.70	0.85	YES
L0001763	0	0.27540E-07	402854.3	3770601.1	182.0	0.00	1.70	0.85	YES
L0001764	0	0.27540E-07	402854.4	3770597.5	182.0	0.00	1.70	0.85	YES
L0001765	0	0.27540E-07	402854.5	3770593.8	182.0	0.00	1.70	0.85	YES
L0001766	0	0.27540E-07	402854.5	3770590.1	182.0	0.00	1.70	0.85	YES
L0001767	0	0.27540E-07	402854.6	3770586.5	182.0	0.00	1.70	0.85	YES
L0001768	0	0.27540E-07	402854.7	3770582.8	182.0	0.00	1.70	0.85	YES
L0001769	0	0.27540E-07	402854.7	3770579.2	182.0	0.00	1.70	0.85	YES
L0001770	0	0.27540E-07	402854.8	3770575.5	182.0	0.00	1.70	0.85	YES
L0001771	0	0.27540E-07	402854.9	3770571.8	182.0	0.00	1.70	0.85	YES
L0001772	0	0.27540E-07	402854.9	3770568.2	182.0	0.00	1.70	0.85	YES
L0001773	0	0.27540E-07	402855.0	3770564.5	182.0	0.00	1.70	0.85	YES
L0001774	0	0.27540E-07	402855.1	3770560.9	182.0	0.00	1.70	0.85	YES
L0001775	0	0.27540E-07	402855.1	3770557.2	182.0	0.00	1.70	0.85	YES
L0001776	0	0.27540E-07	402855.2	3770553.6	182.0	0.00	1.70	0.85	YES
L0001777	0	0.27540E-07	402855.3	3770549.9	182.0	0.00	1.70	0.85	YES
L0001778	0	0.27540E-07	402855.4	3770546.2	182.0	0.00	1.70	0.85	YES
L0001779	0	0.27540E-07	402855.4	3770542.6	182.0	0.00	1.70	0.85	YES
L0001780	0	0.27540E-07	402855.5	3770538.9	182.0	0.00	1.70	0.85	YES
L0001781	0	0.27540E-07	402855.6	3770535.3	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001782	0	0.27540E-07	402855.6	3770531.6	182.0	0.00	1.70	0.85	YES	
L0001783	0	0.27540E-07	402855.7	3770527.9	182.0	0.00	1.70	0.85	YES	
L0001784	0	0.27540E-07	402855.8	3770524.3	182.0	0.00	1.70	0.85	YES	
L0001785	0	0.27540E-07	402855.8	3770520.6	182.0	0.00	1.70	0.85	YES	
L0001786	0	0.27540E-07	402855.9	3770517.0	182.0	0.00	1.70	0.85	YES	
L0001787	0	0.27540E-07	402856.0	3770513.3	182.0	0.00	1.70	0.85	YES	
L0001788	0	0.27540E-07	402856.0	3770509.6	182.0	0.00	1.70	0.85	YES	
L0001789	0	0.27540E-07	402856.1	3770506.0	182.0	0.00	1.70	0.85	YES	
L0001790	0	0.27540E-07	402856.2	3770502.3	182.0	0.00	1.70	0.85	YES	
L0001791	0	0.27540E-07	402856.2	3770498.7	182.0	0.00	1.70	0.85	YES	
L0001792	0	0.27540E-07	402856.3	3770495.0	182.0	0.00	1.70	0.85	YES	
L0001793	0	0.27540E-07	402856.4	3770491.3	182.0	0.00	1.70	0.85	YES	
L0001794	0	0.27540E-07	402856.5	3770487.7	182.0	0.00	1.70	0.85	YES	
L0001795	0	0.27540E-07	402856.5	3770484.0	182.0	0.00	1.70	0.85	YES	
L0001796	0	0.27540E-07	402856.6	3770480.4	182.0	0.00	1.70	0.85	YES	

L0001797	0	0.27540E-07	402856.7	3770476.7	182.0	0.00	1.70	0.85	YES
L0001798	0	0.27540E-07	402856.7	3770473.0	182.0	0.00	1.70	0.85	YES
L0001799	0	0.27540E-07	402856.8	3770469.4	182.0	0.00	1.70	0.85	YES
L0001800	0	0.27540E-07	402856.9	3770465.7	182.0	0.00	1.70	0.85	YES
L0001801	0	0.27540E-07	402856.9	3770462.1	182.0	0.00	1.70	0.85	YES
L0001802	0	0.27540E-07	402857.0	3770458.4	182.0	0.00	1.70	0.85	YES
L0001803	0	0.27540E-07	402857.1	3770454.8	182.0	0.00	1.70	0.85	YES
L0001804	0	0.27540E-07	402857.1	3770451.1	182.0	0.00	1.70	0.85	YES
L0001805	0	0.27540E-07	402857.2	3770447.4	182.0	0.00	1.70	0.85	YES
L0001806	0	0.27540E-07	402857.3	3770443.8	182.0	0.00	1.70	0.85	YES
L0001807	0	0.27540E-07	402857.3	3770440.1	182.0	0.00	1.70	0.85	YES
L0001808	0	0.27540E-07	402857.4	3770436.5	182.0	0.00	1.70	0.85	YES
L0001809	0	0.27540E-07	402857.5	3770432.8	182.0	0.00	1.70	0.85	YES
L0001810	0	0.27540E-07	402857.6	3770429.1	182.0	0.00	1.70	0.85	YES
L0001811	0	0.27540E-07	402857.6	3770425.5	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs														
DIESEL	STCK1	, STCK2	, L0001222	, L0001223	, L0001224	, L0001225	, L0001226	, L0001227	,						
	L0001228	, L0001229	, L0001230	, L0001231	, L0001232	, L0001233	, L0001234	, L0001235	,						
	L0001236	, L0001237	, L0001238	, L0001239	, L0001240	, L0001241	, L0001242	, L0001243	,						
	L0001244	, L0001245	, L0001246	, L0001247	, L0001248	, L0001249	, L0001250	, L0001251	,						
	L0001252	, L0001253	, L0001254	, L0001255	, L0001256	, L0001257	, L0001258	, L0001259	,						
	L0001260	, L0001261	, L0001262	, L0001263	, L0001264	, L0001265	, L0001266	, L0001267	,						
	L0001268	, L0001269	, L0001270	, L0001271	, L0001272	, L0001273	, L0001274	, L0001275	,						
	L0001276	, L0001277	, L0001278	, L0001279	, L0001280	, L0001281	, L0001282	, L0001283	,						
	L0001284	, L0001285	, L0001286	, L0001287	, L0001288	, L0001289	, L0001290	, L0001291	,						
	L0001292	, L0001293	, L0001294	, L0001295	, L0001296	, L0001297	, L0001298	, L0001299	,						
	L0001300	, L0001301	, L0001302	, L0001303	, L0001304	, L0001305	, L0001306	, L0001307	,						
	L0001308	, L0001309	, L0001310	, L0001311	, L0001312	, L0001313	, L0001314	, L0001315	,						

L0001316 , L0001317 , L0001318 , L0001319 ,
L0001320 , L0001321 , L0001322 , L0001323 ,

L0001324 , L0001325 , L0001326 , L0001327 ,
L0001328 , L0001329 , L0001330 , L0001331 ,

L0001332 , L0001333 , L0001334 , L0001335 ,
L0001336 , L0001337 , L0001338 , L0001339 ,

L0001340 , L0001341 , L0001342 , L0001343 ,
L0001344 , L0001345 , L0001346 , L0001347 ,

L0001348 , L0001349 , L0001350 , L0001351 ,
L0001352 , L0001353 , L0001354 , L0001355 ,

L0001356 , L0001357 , L0001358 , L0001359 ,
L0001360 , L0001361 , L0001362 , L0001363 ,

L0001364 , L0001365 , L0001366 , L0001367 ,
L0001368 , L0001369 , L0001370 , L0001371 ,

L0001372 , L0001373 , L0001374 , L0001375 ,
L0001376 , L0001377 , L0001378 , L0001379 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs			
	L0001380 ,	L0001381 ,	L0001382 ,	L0001383 ,
L0001384 ,	L0001385 ,	L0001386 ,	L0001387 ,	
	L0001388 ,	L0001389 ,	L0001390 ,	L0001391 ,
L0001392 ,	L0001393 ,	L0001394 ,	L0001395 ,	
	L0001396 ,	L0001397 ,	L0001398 ,	L0001399 ,
L0001400 ,	L0001401 ,	L0001402 ,	L0001403 ,	
	L0001404 ,	L0001405 ,	L0001406 ,	L0001407 ,
L0001408 ,	L0001409 ,	L0001410 ,	L0001411 ,	
	L0001412 ,	L0001413 ,	L0001414 ,	L0001415 ,
L0001416 ,	L0001417 ,	L0001418 ,	L0001419 ,	
	L0001420 ,	L0001421 ,	L0001422 ,	L0001423 ,
L0001424 ,	L0001425 ,	L0001426 ,	L0001427 ,	
	L0001428 ,	L0001429 ,	L0001430 ,	L0001431 ,
L0001432 ,	L0001433 ,	L0001434 ,	L0001435 ,	
	L0001436 ,	L0001437 ,	L0001438 ,	L0001439 ,
L0001440 ,	L0001441 ,	L0001442 ,	L0001443 ,	
	L0001444 ,	L0001445 ,	L0001446 ,	L0001447 ,
L0001448 ,	L0001449 ,	L0001450 ,	L0001451 ,	
	L0001452 ,	L0001453 ,	L0001454 ,	L0001455 ,
L0001456 ,	L0001457 ,	L0001458 ,	L0001459 ,	
	L0001460 ,	L0001461 ,	L0001462 ,	L0001463 ,
L0001464 ,	L0001465 ,	L0001466 ,	L0001467 ,	
	L0001468 ,	L0001469 ,	L0001470 ,	L0001471 ,
L0001472 ,	L0001473 ,	L0001474 ,	L0001475 ,	

L0001476 , L0001477 , L0001478 , L0001479 ,
L0001480 , L0001481 , L0001482 , L0001483 ,

L0001484 , L0001485 , L0001486 , L0001487 ,
L0001488 , L0001489 , L0001490 , L0001491 ,

L0001492 , L0001493 , L0001494 , L0001495 ,
L0001496 , L0001497 , L0001498 , L0001499 ,

L0001500 , L0001501 , L0001502 , L0001503 ,
L0001504 , L0001505 , L0001506 , L0001507 ,

L0001508 , L0001509 , L0001510 , L0001511 ,
L0001512 , L0001513 , L0001514 , L0001515 ,

L0001516 , L0001517 , L0001518 , L0001519 ,
L0001520 , L0001521 , L0001522 , L0001523 ,

L0001524 , L0001525 , L0001526 , L0001527 ,
L0001528 , L0001529 , L0001530 , L0001531 ,

L0001532 , L0001533 , L0001534 , L0001535 ,
L0001536 , L0001537 , L0001538 , L0001539 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs						
	L0001540	L0001541	L0001542	L0001543	L0001544	L0001545	L0001546
	L0001547						
	L0001548	L0001549	L0001550	L0001551	L0001552	L0001553	L0001554
	L0001555						
	L0001556	L0001557	L0001558	L0001559	L0001560	L0001561	L0001562
	L0001563						
	L0001564	L0001565	L0001566	L0001567	L0001568	L0001569	L0001570
	L0001571						
	L0001572	L0001573	L0001574	L0001575	L0001576	L0001577	L0001578
	L0001579						
	L0001580	L0001581	L0001582	L0001583	L0001584	L0001585	L0001586
	L0001587						
	L0001588	L0001589	L0001590	L0001591	L0001592	L0001593	L0001594
	L0001595						
	L0001596	L0001597	L0001598	L0001599	L0001600	L0001601	L0001602
	L0001603						
	L0001604	L0001605	L0001606	L0001607	L0001608	L0001609	L0001610
	L0001611						
	L0001612	L0001613	L0001614	L0001615	L0001616	L0001617	L0001618
	L0001619						
	L0001620	L0001621	L0001622	L0001623	L0001624	L0001625	L0001626
	L0001627						
	L0001628	L0001629	L0001630	L0001631	L0001632	L0001633	L0001634
	L0001635						

L0001636 , L0001637 , L0001638 , L0001639 ,
L0001640 , L0001641 , L0001642 , L0001643 ,

L0001644 , L0001645 , L0001646 , L0001647 ,
L0001648 , L0001649 , L0001650 , L0001651 ,

L0001652 , L0001653 , L0001654 , L0001655 ,
L0001656 , L0001657 , L0001658 , L0001659 ,

L0001660 , L0001661 , L0001662 , L0001663 ,
L0001664 , L0001665 , L0001666 , L0001667 ,

L0001668 , L0001669 , L0001670 , L0001671 ,
L0001672 , L0001673 , L0001674 , L0001675 ,

L0001676 , L0001677 , L0001678 , L0001679 ,
L0001680 , L0001681 , L0001682 , L0001683 ,

L0001684 , L0001685 , L0001686 , L0001687 ,
L0001688 , L0001689 , L0001690 , L0001691 ,

L0001692 , L0001693 , L0001694 , L0001695 ,
L0001696 , L0001697 , L0001698 , L0001699 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs						
	L0001700	L0001701	L0001702	L0001703	L0001704	L0001705	L0001706
	L0001707						
	L0001708	L0001709	L0001710	L0001711	L0001712	L0001713	L0001714
	L0001715						
	L0001716	L0001717	L0001718	L0001719	L0001720	L0001721	L0001722
	L0001723						
	L0001724	L0001725	L0001726	L0001727	L0001728	L0001729	L0001730
	L0001731						
	L0001732	L0001733	L0001734	L0001735	L0001736	L0001737	L0001738
	L0001739						
	L0001740	L0001741	L0001742	L0001743	L0001744	L0001745	L0001746
	L0001747						
	L0001748	L0001749	L0001750	L0001751	L0001752	L0001753	L0001754
	L0001755						
	L0001756	L0001757	L0001758	L0001759	L0001760	L0001761	L0001762
	L0001763						
	L0001764	L0001765	L0001766	L0001767	L0001768	L0001769	L0001770
	L0001771						
	L0001772	L0001773	L0001774	L0001775	L0001776	L0001777	L0001778
	L0001779						
	L0001780	L0001781	L0001782	L0001783	L0001784	L0001785	L0001786
	L0001787						
	L0001788	L0001789	L0001790	L0001791	L0001792	L0001793	L0001794
	L0001795						

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            L0001796    , L0001797    , L0001798    , L0001799    ,
L0001800    , L0001801    , L0001802    , L0001803    ,

            L0001804    , L0001805    , L0001806    , L0001807    ,
L0001808    , L0001809    , L0001810    , L0001811    ,


  COOKING   STCK3       ,


  ALL       STCK1       , STCK2       , STCK3       , L0001222    ,
L0001223    , L0001224    , L0001225    , L0001226    ,

            L0001227    , L0001228    , L0001229    , L0001230    ,
L0001231    , L0001232    , L0001233    , L0001234    ,

            L0001235    , L0001236    , L0001237    , L0001238    ,
L0001239    , L0001240    , L0001241    , L0001242    ,

            L0001243    , L0001244    , L0001245    , L0001246    ,
L0001247    , L0001248    , L0001249    , L0001250    ,

            L0001251    , L0001252    , L0001253    , L0001254    ,
L0001255    , L0001256    , L0001257    , L0001258    ,
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**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0001259 , L0001260 , L0001261 , L0001262 , L0001263 , L0001264 , L0001265 , L0001266 ,
	L0001267 , L0001268 , L0001269 , L0001270 , L0001271 , L0001272 , L0001273 , L0001274 ,
	L0001275 , L0001276 , L0001277 , L0001278 , L0001279 , L0001280 , L0001281 , L0001282 ,
	L0001283 , L0001284 , L0001285 , L0001286 , L0001287 , L0001288 , L0001289 , L0001290 ,
	L0001291 , L0001292 , L0001293 , L0001294 , L0001295 , L0001296 , L0001297 , L0001298 ,
	L0001299 , L0001300 , L0001301 , L0001302 , L0001303 , L0001304 , L0001305 , L0001306 ,
	L0001307 , L0001308 , L0001309 , L0001310 , L0001311 , L0001312 , L0001313 , L0001314 ,
	L0001315 , L0001316 , L0001317 , L0001318 , L0001319 , L0001320 , L0001321 , L0001322 ,
	L0001323 , L0001324 , L0001325 , L0001326 , L0001327 , L0001328 , L0001329 , L0001330 ,
	L0001331 , L0001332 , L0001333 , L0001334 , L0001335 , L0001336 , L0001337 , L0001338 ,
	L0001339 , L0001340 , L0001341 , L0001342 , L0001343 , L0001344 , L0001345 , L0001346 ,
	L0001347 , L0001348 , L0001349 , L0001350 , L0001351 , L0001352 , L0001353 , L0001354 ,

L0001355 , L0001356 , L0001357 , L0001358 ,
L0001359 , L0001360 , L0001361 , L0001362 ,

L0001363 , L0001364 , L0001365 , L0001366 ,
L0001367 , L0001368 , L0001369 , L0001370 ,

L0001371 , L0001372 , L0001373 , L0001374 ,
L0001375 , L0001376 , L0001377 , L0001378 ,

L0001379 , L0001380 , L0001381 , L0001382 ,
L0001383 , L0001384 , L0001385 , L0001386 ,

L0001387 , L0001388 , L0001389 , L0001390 ,
L0001391 , L0001392 , L0001393 , L0001394 ,

L0001395 , L0001396 , L0001397 , L0001398 ,
L0001399 , L0001400 , L0001401 , L0001402 ,

L0001403 , L0001404 , L0001405 , L0001406 ,
L0001407 , L0001408 , L0001409 , L0001410 ,

L0001411 , L0001412 , L0001413 , L0001414 ,
L0001415 , L0001416 , L0001417 , L0001418 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs			
	L0001419 ,	L0001420 ,	L0001421 ,	L0001422 ,
L0001423 ,	L0001424 ,	L0001425 ,	L0001426 ,	
	L0001427 ,	L0001428 ,	L0001429 ,	L0001430 ,
L0001431 ,	L0001432 ,	L0001433 ,	L0001434 ,	
	L0001435 ,	L0001436 ,	L0001437 ,	L0001438 ,
L0001439 ,	L0001440 ,	L0001441 ,	L0001442 ,	
	L0001443 ,	L0001444 ,	L0001445 ,	L0001446 ,
L0001447 ,	L0001448 ,	L0001449 ,	L0001450 ,	
	L0001451 ,	L0001452 ,	L0001453 ,	L0001454 ,
L0001455 ,	L0001456 ,	L0001457 ,	L0001458 ,	
	L0001459 ,	L0001460 ,	L0001461 ,	L0001462 ,
L0001463 ,	L0001464 ,	L0001465 ,	L0001466 ,	
	L0001467 ,	L0001468 ,	L0001469 ,	L0001470 ,
L0001471 ,	L0001472 ,	L0001473 ,	L0001474 ,	
	L0001475 ,	L0001476 ,	L0001477 ,	L0001478 ,
L0001479 ,	L0001480 ,	L0001481 ,	L0001482 ,	
	L0001483 ,	L0001484 ,	L0001485 ,	L0001486 ,
L0001487 ,	L0001488 ,	L0001489 ,	L0001490 ,	
	L0001491 ,	L0001492 ,	L0001493 ,	L0001494 ,
L0001495 ,	L0001496 ,	L0001497 ,	L0001498 ,	
	L0001499 ,	L0001500 ,	L0001501 ,	L0001502 ,
L0001503 ,	L0001504 ,	L0001505 ,	L0001506 ,	
	L0001507 ,	L0001508 ,	L0001509 ,	L0001510 ,
L0001511 ,	L0001512 ,	L0001513 ,	L0001514 ,	

L0001515 , L0001516 , L0001517 , L0001518 ,
L0001519 , L0001520 , L0001521 , L0001522 ,

L0001523 , L0001524 , L0001525 , L0001526 ,
L0001527 , L0001528 , L0001529 , L0001530 ,

L0001531 , L0001532 , L0001533 , L0001534 ,
L0001535 , L0001536 , L0001537 , L0001538 ,

L0001539 , L0001540 , L0001541 , L0001542 ,
L0001543 , L0001544 , L0001545 , L0001546 ,

L0001547 , L0001548 , L0001549 , L0001550 ,
L0001551 , L0001552 , L0001553 , L0001554 ,

L0001555 , L0001556 , L0001557 , L0001558 ,
L0001559 , L0001560 , L0001561 , L0001562 ,

L0001563 , L0001564 , L0001565 , L0001566 ,
L0001567 , L0001568 , L0001569 , L0001570 ,

L0001571 , L0001572 , L0001573 , L0001574 ,
L0001575 , L0001576 , L0001577 , L0001578 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs			
	L0001579 ,	L0001580 ,	L0001581 ,	L0001582 ,
L0001583 ,	L0001584 ,	L0001585 ,	L0001586 ,	
	L0001587 ,	L0001588 ,	L0001589 ,	L0001590 ,
L0001591 ,	L0001592 ,	L0001593 ,	L0001594 ,	
	L0001595 ,	L0001596 ,	L0001597 ,	L0001598 ,
L0001599 ,	L0001600 ,	L0001601 ,	L0001602 ,	
	L0001603 ,	L0001604 ,	L0001605 ,	L0001606 ,
L0001607 ,	L0001608 ,	L0001609 ,	L0001610 ,	
	L0001611 ,	L0001612 ,	L0001613 ,	L0001614 ,
L0001615 ,	L0001616 ,	L0001617 ,	L0001618 ,	
	L0001619 ,	L0001620 ,	L0001621 ,	L0001622 ,
L0001623 ,	L0001624 ,	L0001625 ,	L0001626 ,	
	L0001627 ,	L0001628 ,	L0001629 ,	L0001630 ,
L0001631 ,	L0001632 ,	L0001633 ,	L0001634 ,	
	L0001635 ,	L0001636 ,	L0001637 ,	L0001638 ,
L0001639 ,	L0001640 ,	L0001641 ,	L0001642 ,	
	L0001643 ,	L0001644 ,	L0001645 ,	L0001646 ,
L0001647 ,	L0001648 ,	L0001649 ,	L0001650 ,	
	L0001651 ,	L0001652 ,	L0001653 ,	L0001654 ,
L0001655 ,	L0001656 ,	L0001657 ,	L0001658 ,	
	L0001659 ,	L0001660 ,	L0001661 ,	L0001662 ,
L0001663 ,	L0001664 ,	L0001665 ,	L0001666 ,	
	L0001667 ,	L0001668 ,	L0001669 ,	L0001670 ,
L0001671 ,	L0001672 ,	L0001673 ,	L0001674 ,	

L0001675 , L0001676 , L0001677 , L0001678 ,
L0001679 , L0001680 , L0001681 , L0001682 ,

L0001683 , L0001684 , L0001685 , L0001686 ,
L0001687 , L0001688 , L0001689 , L0001690 ,

L0001691 , L0001692 , L0001693 , L0001694 ,
L0001695 , L0001696 , L0001697 , L0001698 ,

L0001699 , L0001700 , L0001701 , L0001702 ,
L0001703 , L0001704 , L0001705 , L0001706 ,

L0001707 , L0001708 , L0001709 , L0001710 ,
L0001711 , L0001712 , L0001713 , L0001714 ,

L0001715 , L0001716 , L0001717 , L0001718 ,
L0001719 , L0001720 , L0001721 , L0001722 ,

L0001723 , L0001724 , L0001725 , L0001726 ,
L0001727 , L0001728 , L0001729 , L0001730 ,

L0001731 , L0001732 , L0001733 , L0001734 ,
L0001735 , L0001736 , L0001737 , L0001738 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0001739 , L0001740 , L0001741 , L0001742 , L0001743 , L0001744 , L0001745 , L0001746 ,
	L0001747 , L0001748 , L0001749 , L0001750 , L0001751 , L0001752 , L0001753 , L0001754 ,
	L0001755 , L0001756 , L0001757 , L0001758 , L0001759 , L0001760 , L0001761 , L0001762 ,
	L0001763 , L0001764 , L0001765 , L0001766 , L0001767 , L0001768 , L0001769 , L0001770 ,
	L0001771 , L0001772 , L0001773 , L0001774 , L0001775 , L0001776 , L0001777 , L0001778 ,
	L0001779 , L0001780 , L0001781 , L0001782 , L0001783 , L0001784 , L0001785 , L0001786 ,
	L0001787 , L0001788 , L0001789 , L0001790 , L0001791 , L0001792 , L0001793 , L0001794 ,
	L0001795 , L0001796 , L0001797 , L0001798 , L0001799 , L0001800 , L0001801 , L0001802 ,
	L0001803 , L0001804 , L0001805 , L0001806 , L0001807 , L0001808 , L0001809 , L0001810 ,
	L0001811 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

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

(403642.2, 3771051.2, 182.0, 182.0, 1.5); (403721.4, 3770998.9, 182.0, 182.0, 1.5);
(403806.6, 3771023.9, 182.0, 182.0, 1.5); (403884.1, 3770983.7, 182.0, 182.0, 1.5);
(403899.1, 3771035.4, 182.0, 182.0, 1.5); (403948.9, 3771179.3, 182.0, 182.0, 1.5);
(403906.8, 3771380.4, 182.0, 182.0, 1.5);

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** 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 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 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,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

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

Surface file: ..\azus6.sfc
Met Version: 12345
Profile file: ..\azus6.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3190 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-34.3	0.336	-9.000	-9.000	-999.	447.	97.5	0.36	1.00	1.00	3.10	25.	9.1	280.9	5.5
05	01	01	1	02	-41.5	0.406	-9.000	-9.000	-999.	595.	142.6	0.36	1.00	1.00	3.60	23.	9.1	280.9	5.5
05	01	01	1	03	-54.0	0.527	-9.000	-9.000	-999.	879.	239.5	0.36	1.00	1.00	4.50	31.	9.1	280.4	5.5
05	01	01	1	04	-41.6	0.406	-9.000	-9.000	-999.	605.	142.3	0.36	1.00	1.00	3.60	32.	9.1	280.4	5.5
05	01	01	1	05	-34.4	0.336	-9.000	-9.000	-999.	450.	97.2	0.36	1.00	1.00	3.10	38.	9.1	280.4	5.5
05	01	01	1	06	-41.7	0.406	-9.000	-9.000	-999.	595.	142.0	0.36	1.00	1.00	3.60	35.	9.1	279.9	5.5
05	01	01	1	07	-47.2	0.460	-9.000	-9.000	-999.	718.	182.5	0.36	1.00	1.00	4.00	33.	9.1	279.9	5.5
05	01	01	1	08	-36.5	0.412	-9.000	-9.000	-999.	610.	169.4	0.36	1.00	0.55	3.60	30.	9.1	279.9	5.5
05	01	01	1	09	24.0	0.296	0.336	0.005	55.	378.	-95.7	0.36	1.00	0.32	2.20	57.	9.1	280.9	5.5
05	01	01	1	10	77.9	0.220	1.189	0.005	764.	240.	-12.1	0.36	1.00	0.25	1.30	97.	9.1	285.4	5.5
05	01	01	1	11	108.6	0.286	1.449	0.007	992.	351.	-19.0	0.36	1.00	0.22	1.80	149.	9.1	285.9	5.5
05	01	01	1	12	123.8	0.232	1.622	0.010	1221.	258.	-8.9	0.36	1.00	0.21	1.30	191.	9.1	286.4	5.5

```
 05 01 01   1 13  109.9  0.286  1.570  0.009 1245.  352.    -18.8  0.36
1.00   0.21    1.80  214.    9.1  286.4    5.5
 05 01 01   1 14   38.3  0.205  1.107  0.009 1254.  216.    -19.9  0.36
1.00   0.22    1.30  237.    9.1  285.9    5.5
 05 01 01   1 15   20.8  0.249  0.905  0.009 1258.  286.    -65.7  0.36
1.00   0.26    1.80  239.    9.1  285.4    5.5
 05 01 01   1 16    3.3  0.278  0.491  0.009 1258.  336.   -569.9  0.36
1.00   0.35    2.20  241.    9.1  284.9    5.5
 05 01 01   1 17   -9.7  0.168 -9.000 -9.000 -999.  164.     43.3  0.36
1.00   0.62    1.80  236.    9.1  284.9    5.5
 05 01 01   1 18   -2.5  0.056 -9.000 -9.000 -999.   42.      6.2  0.36
1.00   1.00    0.90  263.    9.1  284.2    5.5
 05 01 01   1 19   -5.2  0.081 -9.000 -9.000 -999.   53.      8.9  0.36
1.00   1.00    1.30    5.    9.1  283.8    5.5
 05 01 01   1 20  -10.0  0.134 -9.000 -9.000 -999.  112.     21.1  0.36
1.00   1.00    1.80   16.    9.1  283.1    5.5
 05 01 01   1 21  -16.3  0.218 -9.000 -9.000 -999.  234.     56.0  0.36
1.00   1.00    2.20   29.    9.1  283.1    5.5
 05 01 01   1 22  -16.9  0.306 -9.000 -9.000 -999.  389.    149.7  0.36
1.00   1.00    2.70   28.    9.1  282.5    5.5
 05 01 01   1 23  -16.9  0.306 -9.000 -9.000 -999.  389.    149.4  0.36
1.00   1.00    2.70   16.    9.1  282.0    5.5
 05 01 01   1 24  -19.9  0.360 -9.000 -9.000 -999.  496.    206.7  0.36
1.00   1.00    3.10   22.    9.1  282.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   281.0   99.0  -99.00  -99.00
 05 01 01 01    9.1 1   25.    3.10  -999.0   99.0  -99.00  -99.00

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

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: DIESEL ***
INCLUDING SOURCE(S): STCK1 , STCK2 , L0001222 , L0001223 , L0001224 , L0001225 , L0001226 , L0001227 , L0001228 , L0001229 , L0001230 , L0001231 , L0001232 , L0001233 , L0001234 , L0001235 , L0001236 , L0001237 , L0001238 , L0001239 , L0001240 , L0001241 , L0001242 , L0001243 , L0001244 , L0001245 , L0001246 , L0001247 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403642.25	3771051.23	0.00112	403721.37	3770998.95	0.00148
403806.61	3771023.91	0.00299	403884.14	3770983.68	0.00448
403899.12	3771035.40	0.00785	403948.87	3771179.27	0.01063
403906.82	3771380.43	0.00164			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: COOKING ***
INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403642.25	3771051.23	0.00006	403721.37	3770998.95	0.00006
403806.61	3771023.91	0.00004	403884.14	3770983.68	0.00002
403899.12	3771035.40	0.00003	403948.87	3771179.27	0.00010
403906.82	3771380.43	0.00004			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , L0001222 , L0001223 , L0001224 , L0001225 , L0001226 , L0001227 , L0001228 , L0001229 , L0001230 , L0001231 , L0001232 , L0001233 , L0001234 , L0001235 , L0001236 , L0001237 , L0001238 , L0001239 , L0001240 , L0001241 , L0001242 , L0001243 , L0001244 , L0001245 , L0001246 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403642.25	3771051.23	0.00117	403721.37	3770998.95	0.00154
403806.61	3771023.91	0.00302	403884.14	3770983.68	0.00450
403899.12	3771035.40	0.00788	403948.87	3771179.27	0.01074
403906.82	3771380.43	0.00168			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

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

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

```
          5TH HIGHEST VALUE IS       0.00004 AT (  403806.61,
3771023.91,   182.00,   182.00,    1.50)  DC
          6TH HIGHEST VALUE IS       0.00003 AT (  403899.12,
3771035.40,   182.00,   182.00,    1.50)  DC
          7TH HIGHEST VALUE IS       0.00002 AT (  403884.14,
3770983.68,   182.00,   182.00,    1.50)  DC
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)

ALL       1ST HIGHEST VALUE IS       0.01074 AT (  403948.87,
3771179.27,   182.00,   182.00,    1.50)  DC
          2ND HIGHEST VALUE IS       0.00788 AT (  403899.12,
3771035.40,   182.00,   182.00,    1.50)  DC
          3RD HIGHEST VALUE IS       0.00450 AT (  403884.14,
3770983.68,   182.00,   182.00,    1.50)  DC
          4TH HIGHEST VALUE IS       0.00302 AT (  403806.61,
3771023.91,   182.00,   182.00,    1.50)  DC
          5TH HIGHEST VALUE IS       0.00168 AT (  403906.82,
3771380.43,   182.00,   182.00,    1.50)  DC
          6TH HIGHEST VALUE IS       0.00154 AT (  403721.37,
3770998.95,   182.00,   182.00,    1.50)  DC
          7TH HIGHEST VALUE IS       0.00117 AT (  403642.25,
3771051.23,   182.00,   182.00,    1.50)  DC
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)


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

```
 *** AERMOD - VERSION  12345 ***   *** C:\Lakes\AERMOD View\08344_El
Monte Walmart\08344_El Monte Walmart\0 ***        02/19/14
                                   ***
***        12:59:42

PAGE  33
 **MODELOPTs:  NonDFAULT CONC                                    FLAT
FLGPOL                        FASTALL


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of         1062 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of            0 Calm Hours Identified

 A Total of         1062 Missing Hours Identified (  2.42 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W530    1425 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE
for     SURFDATA

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

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.2.0
** Lakes Environmental Software Inc.
** Date: 2/19/2014
** File: U:\UcJobs\_08100-08500\_08300\08344\AERMOD\08344_El Monte
Walmart (Schools)\08344_El Monte Walmart (Schools).ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\08344_El Monte Walmart\08344_El Monte
Walmart\0
   MODELOPT CONC FLAT  FASTALL
   AVERTIME ANNUAL
   URBANOPT 9862049
   POLLUTID OTHER
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "08344_El Monte Walmart (Schools).err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      403888.070  3771181.040          0.0
** DESCRSRC Walmart Truck Dock 1
   LOCATION STCK2        POINT      403873.369  3771109.214          0.0
** DESCRSRC Walmart Truck Dock 2
   LOCATION STCK3        POINT      403790.140  3771174.010          0.0
** DESCRSRC Walmart Food Cooking (Facility Type 3)
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site Travel WM
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 5.97E-06
** Vertical Dimension = 1.83
** SZINIT = 0.85
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** 403878.22, 3771019.40, 0.00, 0.00, 1.70
** 403888.28, 3771041.85, 0.00, 0.00, 1.70
** 403892.41, 3771048.56, 0.00, 0.00, 1.70
** 403895.51, 3771062.75, 0.00, 0.00, 1.70
** 403927.76, 3771220.92, 0.00, 0.00, 1.70
** 403930.60, 3771236.66, 0.00, 0.00, 1.70
** 403930.60, 3771241.04, 0.00, 0.00, 1.70
** 403929.57, 3771243.37, 0.00, 0.00, 1.70
** 403927.50, 3771244.40, 0.00, 0.00, 1.70
** 403925.96, 3771245.43, 0.00, 0.00, 1.70
** 403923.38, 3771247.24, 0.00, 0.00, 1.70
** 403918.73, 3771247.49, 0.00, 0.00, 1.70
** 403915.63, 3771246.46, 0.00, 0.00, 1.70
** 403913.83, 3771244.66, 0.00, 0.00, 1.70
** 403912.54, 3771242.33, 0.00, 0.00, 1.70
** 403910.73, 3771239.75, 0.00, 0.00, 1.70
** 403910.47, 3771236.14, 0.00, 0.00, 1.70
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   LOCATION L0001812     VOLUME   403865.329 3770931.935 0.0
   LOCATION L0001813     VOLUME   403865.863 3770935.556 0.0
   LOCATION L0001814     VOLUME   403866.396 3770939.177 0.0
   LOCATION L0001815     VOLUME   403866.930 3770942.798 0.0
   LOCATION L0001816     VOLUME   403867.464 3770946.419 0.0
   LOCATION L0001817     VOLUME   403867.997 3770950.040 0.0
   LOCATION L0001818     VOLUME   403868.531 3770953.661 0.0
   LOCATION L0001819     VOLUME   403869.065 3770957.282 0.0
   LOCATION L0001820     VOLUME   403869.599 3770960.902 0.0
   LOCATION L0001821     VOLUME   403870.132 3770964.523 0.0
   LOCATION L0001822     VOLUME   403870.666 3770968.144 0.0
   LOCATION L0001823     VOLUME   403871.200 3770971.765 0.0
   LOCATION L0001824     VOLUME   403871.733 3770975.386 0.0
   LOCATION L0001825     VOLUME   403872.267 3770979.007 0.0
   LOCATION L0001826     VOLUME   403872.801 3770982.628 0.0
   LOCATION L0001827     VOLUME   403873.335 3770986.249 0.0
   LOCATION L0001828     VOLUME   403873.868 3770989.869 0.0
   LOCATION L0001829     VOLUME   403874.402 3770993.490 0.0
   LOCATION L0001830     VOLUME   403874.936 3770997.111 0.0
   LOCATION L0001831     VOLUME   403875.469 3771000.732 0.0
   LOCATION L0001832     VOLUME   403876.003 3771004.353 0.0
   LOCATION L0001833     VOLUME   403876.537 3771007.974 0.0
   LOCATION L0001834     VOLUME   403877.071 3771011.595 0.0
   LOCATION L0001835     VOLUME   403877.604 3771015.216 0.0
   LOCATION L0001836     VOLUME   403878.138 3771018.837 0.0
   LOCATION L0001837     VOLUME   403879.485 3771022.220 0.0
   LOCATION L0001838     VOLUME   403880.982 3771025.560 0.0
   LOCATION L0001839     VOLUME   403882.479 3771028.900 0.0
   LOCATION L0001840     VOLUME   403883.976 3771032.239 0.0
   LOCATION L0001841     VOLUME   403885.473 3771035.579 0.0
   LOCATION L0001842     VOLUME   403886.971 3771038.919 0.0
   LOCATION L0001843     VOLUME   403888.519 3771042.232 0.0
   LOCATION L0001844     VOLUME   403890.438 3771045.349 0.0
   LOCATION L0001845     VOLUME   403892.356 3771048.466 0.0
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LOCATION	L0001846	VOLUME	403893.170	3771052.028	0.0
LOCATION	L0001847	VOLUME	403893.950	3771055.604	0.0
LOCATION	L0001848	VOLUME	403894.730	3771059.180	0.0
LOCATION	L0001849	VOLUME	403895.510	3771062.756	0.0
LOCATION	L0001850	VOLUME	403896.241	3771066.342	0.0
LOCATION	L0001851	VOLUME	403896.973	3771069.928	0.0
LOCATION	L0001852	VOLUME	403897.704	3771073.514	0.0
LOCATION	L0001853	VOLUME	403898.435	3771077.100	0.0
LOCATION	L0001854	VOLUME	403899.167	3771080.687	0.0
LOCATION	L0001855	VOLUME	403899.898	3771084.273	0.0
LOCATION	L0001856	VOLUME	403900.629	3771087.859	0.0
LOCATION	L0001857	VOLUME	403901.360	3771091.445	0.0
LOCATION	L0001858	VOLUME	403902.092	3771095.031	0.0
LOCATION	L0001859	VOLUME	403902.823	3771098.618	0.0
LOCATION	L0001860	VOLUME	403903.554	3771102.204	0.0
LOCATION	L0001861	VOLUME	403904.285	3771105.790	0.0
LOCATION	L0001862	VOLUME	403905.017	3771109.376	0.0
LOCATION	L0001863	VOLUME	403905.748	3771112.962	0.0
LOCATION	L0001864	VOLUME	403906.479	3771116.549	0.0
LOCATION	L0001865	VOLUME	403907.211	3771120.135	0.0
LOCATION	L0001866	VOLUME	403907.942	3771123.721	0.0
LOCATION	L0001867	VOLUME	403908.673	3771127.307	0.0
LOCATION	L0001868	VOLUME	403909.404	3771130.893	0.0
LOCATION	L0001869	VOLUME	403910.136	3771134.480	0.0
LOCATION	L0001870	VOLUME	403910.867	3771138.066	0.0
LOCATION	L0001871	VOLUME	403911.598	3771141.652	0.0
LOCATION	L0001872	VOLUME	403912.330	3771145.238	0.0
LOCATION	L0001873	VOLUME	403913.061	3771148.824	0.0
LOCATION	L0001874	VOLUME	403913.792	3771152.411	0.0
LOCATION	L0001875	VOLUME	403914.523	3771155.997	0.0
LOCATION	L0001876	VOLUME	403915.255	3771159.583	0.0
LOCATION	L0001877	VOLUME	403915.986	3771163.169	0.0
LOCATION	L0001878	VOLUME	403916.717	3771166.755	0.0
LOCATION	L0001879	VOLUME	403917.449	3771170.342	0.0
LOCATION	L0001880	VOLUME	403918.180	3771173.928	0.0
LOCATION	L0001881	VOLUME	403918.911	3771177.514	0.0
LOCATION	L0001882	VOLUME	403919.642	3771181.100	0.0
LOCATION	L0001883	VOLUME	403920.374	3771184.686	0.0
LOCATION	L0001884	VOLUME	403921.105	3771188.273	0.0
LOCATION	L0001885	VOLUME	403921.836	3771191.859	0.0
LOCATION	L0001886	VOLUME	403922.567	3771195.445	0.0
LOCATION	L0001887	VOLUME	403923.299	3771199.031	0.0
LOCATION	L0001888	VOLUME	403924.030	3771202.617	0.0
LOCATION	L0001889	VOLUME	403924.761	3771206.204	0.0
LOCATION	L0001890	VOLUME	403925.493	3771209.790	0.0
LOCATION	L0001891	VOLUME	403926.224	3771213.376	0.0
LOCATION	L0001892	VOLUME	403926.955	3771216.962	0.0
LOCATION	L0001893	VOLUME	403927.686	3771220.548	0.0
LOCATION	L0001894	VOLUME	403928.344	3771224.149	0.0
LOCATION	L0001895	VOLUME	403928.994	3771227.751	0.0
LOCATION	L0001896	VOLUME	403929.643	3771231.353	0.0
LOCATION	L0001897	VOLUME	403930.293	3771234.954	0.0
LOCATION	L0001898	VOLUME	403930.600	3771238.587	0.0
LOCATION	L0001899	VOLUME	403930.111	3771242.143	0.0

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   LOCATION L0001900     VOLUME   403927.492 3771244.406 0.0
   LOCATION L0001901     VOLUME   403924.470 3771246.470 0.0
   LOCATION L0001902     VOLUME   403921.055 3771247.365 0.0
   LOCATION L0001903     VOLUME   403917.467 3771247.073 0.0
   LOCATION L0001904     VOLUME   403914.412 3771245.240 0.0
   LOCATION L0001905     VOLUME   403912.437 3771242.188 0.0
   LOCATION L0001906     VOLUME   403910.683 3771239.067 0.0
** End of LINE VOLUME Source ID = SLINE1
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Off-Site Truck Travel
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 0.00001622
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 18
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** 403860.66, 3770921.53, 0.00, 0.00, 1.70
** 403689.91, 3770930.94, 0.00, 0.00, 1.70
** 403630.84, 3770935.56, 0.00, 0.00, 1.70
** 403594.28, 3770940.19, 0.00, 0.00, 1.70
** 403528.57, 3770954.85, 0.00, 0.00, 1.70
** 403490.01, 3770966.72, 0.00, 0.00, 1.70
** 403434.79, 3770986.31, 0.00, 0.00, 1.70
** 403329.28, 3771032.43, 0.00, 0.00, 1.70
** 402936.22, 3771230.47, 0.00, 0.00, 1.70
** 402916.08, 3771165.18, 0.00, 0.00, 1.70
** 402871.86, 3771016.55, 0.00, 0.00, 1.70
** 402856.49, 3770952.42, 0.00, 0.00, 1.70
** 402852.94, 3770914.59, 0.00, 0.00, 1.70
** 402852.06, 3770885.33, 0.00, 0.00, 1.70
** 402852.65, 3770690.58, 0.00, 0.00, 1.70
** 402857.67, 3770422.82, 0.00, 0.00, 1.70
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   LOCATION L0001908     VOLUME   403859.871 3770921.572 0.0
   LOCATION L0001909     VOLUME   403856.216 3770921.773 0.0
   LOCATION L0001910     VOLUME   403852.562 3770921.975 0.0
   LOCATION L0001911     VOLUME   403848.907 3770922.176 0.0
   LOCATION L0001912     VOLUME   403845.253 3770922.377 0.0
   LOCATION L0001913     VOLUME   403841.598 3770922.579 0.0
   LOCATION L0001914     VOLUME   403837.944 3770922.780 0.0
   LOCATION L0001915     VOLUME   403834.290 3770922.982 0.0
   LOCATION L0001916     VOLUME   403830.635 3770923.183 0.0
   LOCATION L0001917     VOLUME   403826.981 3770923.384 0.0
   LOCATION L0001918     VOLUME   403823.326 3770923.586 0.0
   LOCATION L0001919     VOLUME   403819.672 3770923.787 0.0
   LOCATION L0001920     VOLUME   403816.017 3770923.988 0.0
   LOCATION L0001921     VOLUME   403812.363 3770924.190 0.0
   LOCATION L0001922     VOLUME   403808.708 3770924.391 0.0
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LOCATION	L0001923	VOLUME	403805.054	3770924.593	0.0
LOCATION	L0001924	VOLUME	403801.399	3770924.794	0.0
LOCATION	L0001925	VOLUME	403797.745	3770924.995	0.0
LOCATION	L0001926	VOLUME	403794.091	3770925.197	0.0
LOCATION	L0001927	VOLUME	403790.436	3770925.398	0.0
LOCATION	L0001928	VOLUME	403786.782	3770925.599	0.0
LOCATION	L0001929	VOLUME	403783.127	3770925.801	0.0
LOCATION	L0001930	VOLUME	403779.473	3770926.002	0.0
LOCATION	L0001931	VOLUME	403775.818	3770926.204	0.0
LOCATION	L0001932	VOLUME	403772.164	3770926.405	0.0
LOCATION	L0001933	VOLUME	403768.509	3770926.606	0.0
LOCATION	L0001934	VOLUME	403764.855	3770926.808	0.0
LOCATION	L0001935	VOLUME	403761.200	3770927.009	0.0
LOCATION	L0001936	VOLUME	403757.546	3770927.210	0.0
LOCATION	L0001937	VOLUME	403753.891	3770927.412	0.0
LOCATION	L0001938	VOLUME	403750.237	3770927.613	0.0
LOCATION	L0001939	VOLUME	403746.583	3770927.815	0.0
LOCATION	L0001940	VOLUME	403742.928	3770928.016	0.0
LOCATION	L0001941	VOLUME	403739.274	3770928.217	0.0
LOCATION	L0001942	VOLUME	403735.619	3770928.419	0.0
LOCATION	L0001943	VOLUME	403731.965	3770928.620	0.0
LOCATION	L0001944	VOLUME	403728.310	3770928.821	0.0
LOCATION	L0001945	VOLUME	403724.656	3770929.023	0.0
LOCATION	L0001946	VOLUME	403721.001	3770929.224	0.0
LOCATION	L0001947	VOLUME	403717.347	3770929.426	0.0
LOCATION	L0001948	VOLUME	403713.692	3770929.627	0.0
LOCATION	L0001949	VOLUME	403710.038	3770929.828	0.0
LOCATION	L0001950	VOLUME	403706.384	3770930.030	0.0
LOCATION	L0001951	VOLUME	403702.729	3770930.231	0.0
LOCATION	L0001952	VOLUME	403699.075	3770930.432	0.0
LOCATION	L0001953	VOLUME	403695.420	3770930.634	0.0
LOCATION	L0001954	VOLUME	403691.766	3770930.835	0.0
LOCATION	L0001955	VOLUME	403688.114	3770931.078	0.0
LOCATION	L0001956	VOLUME	403684.465	3770931.364	0.0
LOCATION	L0001957	VOLUME	403680.816	3770931.650	0.0
LOCATION	L0001958	VOLUME	403677.168	3770931.936	0.0
LOCATION	L0001959	VOLUME	403673.519	3770932.221	0.0
LOCATION	L0001960	VOLUME	403669.870	3770932.507	0.0
LOCATION	L0001961	VOLUME	403666.221	3770932.793	0.0
LOCATION	L0001962	VOLUME	403662.572	3770933.079	0.0
LOCATION	L0001963	VOLUME	403658.923	3770933.365	0.0
LOCATION	L0001964	VOLUME	403655.275	3770933.650	0.0
LOCATION	L0001965	VOLUME	403651.626	3770933.936	0.0
LOCATION	L0001966	VOLUME	403647.977	3770934.222	0.0
LOCATION	L0001967	VOLUME	403644.328	3770934.508	0.0
LOCATION	L0001968	VOLUME	403640.679	3770934.794	0.0
LOCATION	L0001969	VOLUME	403637.031	3770935.080	0.0
LOCATION	L0001970	VOLUME	403633.382	3770935.365	0.0
LOCATION	L0001971	VOLUME	403629.738	3770935.704	0.0
LOCATION	L0001972	VOLUME	403626.107	3770936.163	0.0
LOCATION	L0001973	VOLUME	403622.476	3770936.623	0.0
LOCATION	L0001974	VOLUME	403618.845	3770937.083	0.0
LOCATION	L0001975	VOLUME	403615.214	3770937.542	0.0
LOCATION	L0001976	VOLUME	403611.583	3770938.002	0.0

LOCATION	L0001977	VOLUME	403607.952	3770938.461	0.0
LOCATION	L0001978	VOLUME	403604.321	3770938.921	0.0
LOCATION	L0001979	VOLUME	403600.690	3770939.381	0.0
LOCATION	L0001980	VOLUME	403597.059	3770939.840	0.0
LOCATION	L0001981	VOLUME	403593.442	3770940.379	0.0
LOCATION	L0001982	VOLUME	403589.870	3770941.176	0.0
LOCATION	L0001983	VOLUME	403586.297	3770941.972	0.0
LOCATION	L0001984	VOLUME	403582.725	3770942.769	0.0
LOCATION	L0001985	VOLUME	403579.153	3770943.566	0.0
LOCATION	L0001986	VOLUME	403575.581	3770944.362	0.0
LOCATION	L0001987	VOLUME	403572.008	3770945.159	0.0
LOCATION	L0001988	VOLUME	403568.436	3770945.955	0.0
LOCATION	L0001989	VOLUME	403564.864	3770946.752	0.0
LOCATION	L0001990	VOLUME	403561.292	3770947.549	0.0
LOCATION	L0001991	VOLUME	403557.719	3770948.345	0.0
LOCATION	L0001992	VOLUME	403554.147	3770949.142	0.0
LOCATION	L0001993	VOLUME	403550.575	3770949.939	0.0
LOCATION	L0001994	VOLUME	403547.003	3770950.735	0.0
LOCATION	L0001995	VOLUME	403543.430	3770951.532	0.0
LOCATION	L0001996	VOLUME	403539.858	3770952.329	0.0
LOCATION	L0001997	VOLUME	403536.286	3770953.125	0.0
LOCATION	L0001998	VOLUME	403532.714	3770953.922	0.0
LOCATION	L0001999	VOLUME	403529.141	3770954.718	0.0
LOCATION	L0002000	VOLUME	403525.632	3770955.751	0.0
LOCATION	L0002001	VOLUME	403522.134	3770956.828	0.0
LOCATION	L0002002	VOLUME	403518.636	3770957.906	0.0
LOCATION	L0002003	VOLUME	403515.138	3770958.983	0.0
LOCATION	L0002004	VOLUME	403511.640	3770960.060	0.0
LOCATION	L0002005	VOLUME	403508.142	3770961.138	0.0
LOCATION	L0002006	VOLUME	403504.644	3770962.215	0.0
LOCATION	L0002007	VOLUME	403501.147	3770963.292	0.0
LOCATION	L0002008	VOLUME	403497.649	3770964.370	0.0
LOCATION	L0002009	VOLUME	403494.151	3770965.447	0.0
LOCATION	L0002010	VOLUME	403490.653	3770966.524	0.0
LOCATION	L0002011	VOLUME	403487.195	3770967.721	0.0
LOCATION	L0002012	VOLUME	403483.745	3770968.945	0.0
LOCATION	L0002013	VOLUME	403480.296	3770970.168	0.0
LOCATION	L0002014	VOLUME	403476.847	3770971.392	0.0
LOCATION	L0002015	VOLUME	403473.397	3770972.616	0.0
LOCATION	L0002016	VOLUME	403469.948	3770973.839	0.0
LOCATION	L0002017	VOLUME	403466.498	3770975.063	0.0
LOCATION	L0002018	VOLUME	403463.049	3770976.287	0.0
LOCATION	L0002019	VOLUME	403459.600	3770977.510	0.0
LOCATION	L0002020	VOLUME	403456.150	3770978.734	0.0
LOCATION	L0002021	VOLUME	403452.701	3770979.958	0.0
LOCATION	L0002022	VOLUME	403449.252	3770981.181	0.0
LOCATION	L0002023	VOLUME	403445.802	3770982.405	0.0
LOCATION	L0002024	VOLUME	403442.353	3770983.629	0.0
LOCATION	L0002025	VOLUME	403438.903	3770984.852	0.0
LOCATION	L0002026	VOLUME	403435.454	3770986.076	0.0
LOCATION	L0002027	VOLUME	403432.082	3770987.495	0.0
LOCATION	L0002028	VOLUME	403428.728	3770988.961	0.0
LOCATION	L0002029	VOLUME	403425.375	3770990.427	0.0
LOCATION	L0002030	VOLUME	403422.021	3770991.893	0.0

LOCATION	L0002031	VOLUME	403418.668	3770993.359	0.0
LOCATION	L0002032	VOLUME	403415.314	3770994.825	0.0
LOCATION	L0002033	VOLUME	403411.960	3770996.291	0.0
LOCATION	L0002034	VOLUME	403408.607	3770997.757	0.0
LOCATION	L0002035	VOLUME	403405.253	3770999.223	0.0
LOCATION	L0002036	VOLUME	403401.900	3771000.689	0.0
LOCATION	L0002037	VOLUME	403398.546	3771002.155	0.0
LOCATION	L0002038	VOLUME	403395.193	3771003.621	0.0
LOCATION	L0002039	VOLUME	403391.839	3771005.087	0.0
LOCATION	L0002040	VOLUME	403388.485	3771006.553	0.0
LOCATION	L0002041	VOLUME	403385.132	3771008.019	0.0
LOCATION	L0002042	VOLUME	403381.778	3771009.485	0.0
LOCATION	L0002043	VOLUME	403378.425	3771010.951	0.0
LOCATION	L0002044	VOLUME	403375.071	3771012.417	0.0
LOCATION	L0002045	VOLUME	403371.717	3771013.883	0.0
LOCATION	L0002046	VOLUME	403368.364	3771015.349	0.0
LOCATION	L0002047	VOLUME	403365.010	3771016.815	0.0
LOCATION	L0002048	VOLUME	403361.657	3771018.281	0.0
LOCATION	L0002049	VOLUME	403358.303	3771019.747	0.0
LOCATION	L0002050	VOLUME	403354.949	3771021.213	0.0
LOCATION	L0002051	VOLUME	403351.596	3771022.679	0.0
LOCATION	L0002052	VOLUME	403348.242	3771024.144	0.0
LOCATION	L0002053	VOLUME	403344.889	3771025.610	0.0
LOCATION	L0002054	VOLUME	403341.535	3771027.076	0.0
LOCATION	L0002055	VOLUME	403338.182	3771028.542	0.0
LOCATION	L0002056	VOLUME	403334.828	3771030.008	0.0
LOCATION	L0002057	VOLUME	403331.474	3771031.474	0.0
LOCATION	L0002058	VOLUME	403328.150	3771033.003	0.0
LOCATION	L0002059	VOLUME	403324.882	3771034.650	0.0
LOCATION	L0002060	VOLUME	403321.613	3771036.297	0.0
LOCATION	L0002061	VOLUME	403318.345	3771037.944	0.0
LOCATION	L0002062	VOLUME	403315.076	3771039.590	0.0
LOCATION	L0002063	VOLUME	403311.807	3771041.237	0.0
LOCATION	L0002064	VOLUME	403308.539	3771042.884	0.0
LOCATION	L0002065	VOLUME	403305.270	3771044.531	0.0
LOCATION	L0002066	VOLUME	403302.002	3771046.178	0.0
LOCATION	L0002067	VOLUME	403298.733	3771047.824	0.0
LOCATION	L0002068	VOLUME	403295.465	3771049.471	0.0
LOCATION	L0002069	VOLUME	403292.196	3771051.118	0.0
LOCATION	L0002070	VOLUME	403288.927	3771052.765	0.0
LOCATION	L0002071	VOLUME	403285.659	3771054.412	0.0
LOCATION	L0002072	VOLUME	403282.390	3771056.059	0.0
LOCATION	L0002073	VOLUME	403279.122	3771057.705	0.0
LOCATION	L0002074	VOLUME	403275.853	3771059.352	0.0
LOCATION	L0002075	VOLUME	403272.585	3771060.999	0.0
LOCATION	L0002076	VOLUME	403269.316	3771062.646	0.0
LOCATION	L0002077	VOLUME	403266.047	3771064.293	0.0
LOCATION	L0002078	VOLUME	403262.779	3771065.940	0.0
LOCATION	L0002079	VOLUME	403259.510	3771067.586	0.0
LOCATION	L0002080	VOLUME	403256.242	3771069.233	0.0
LOCATION	L0002081	VOLUME	403252.973	3771070.880	0.0
LOCATION	L0002082	VOLUME	403249.705	3771072.527	0.0
LOCATION	L0002083	VOLUME	403246.436	3771074.174	0.0
LOCATION	L0002084	VOLUME	403243.167	3771075.821	0.0

LOCATION	L0002085	VOLUME	403239.899	3771077.467	0.0
LOCATION	L0002086	VOLUME	403236.630	3771079.114	0.0
LOCATION	L0002087	VOLUME	403233.362	3771080.761	0.0
LOCATION	L0002088	VOLUME	403230.093	3771082.408	0.0
LOCATION	L0002089	VOLUME	403226.825	3771084.055	0.0
LOCATION	L0002090	VOLUME	403223.556	3771085.702	0.0
LOCATION	L0002091	VOLUME	403220.287	3771087.348	0.0
LOCATION	L0002092	VOLUME	403217.019	3771088.995	0.0
LOCATION	L0002093	VOLUME	403213.750	3771090.642	0.0
LOCATION	L0002094	VOLUME	403210.482	3771092.289	0.0
LOCATION	L0002095	VOLUME	403207.213	3771093.936	0.0
LOCATION	L0002096	VOLUME	403203.945	3771095.582	0.0
LOCATION	L0002097	VOLUME	403200.676	3771097.229	0.0
LOCATION	L0002098	VOLUME	403197.407	3771098.876	0.0
LOCATION	L0002099	VOLUME	403194.139	3771100.523	0.0
LOCATION	L0002100	VOLUME	403190.870	3771102.170	0.0
LOCATION	L0002101	VOLUME	403187.602	3771103.817	0.0
LOCATION	L0002102	VOLUME	403184.333	3771105.463	0.0
LOCATION	L0002103	VOLUME	403181.065	3771107.110	0.0
LOCATION	L0002104	VOLUME	403177.796	3771108.757	0.0
LOCATION	L0002105	VOLUME	403174.527	3771110.404	0.0
LOCATION	L0002106	VOLUME	403171.259	3771112.051	0.0
LOCATION	L0002107	VOLUME	403167.990	3771113.698	0.0
LOCATION	L0002108	VOLUME	403164.722	3771115.344	0.0
LOCATION	L0002109	VOLUME	403161.453	3771116.991	0.0
LOCATION	L0002110	VOLUME	403158.185	3771118.638	0.0
LOCATION	L0002111	VOLUME	403154.916	3771120.285	0.0
LOCATION	L0002112	VOLUME	403151.647	3771121.932	0.0
LOCATION	L0002113	VOLUME	403148.379	3771123.579	0.0
LOCATION	L0002114	VOLUME	403145.110	3771125.225	0.0
LOCATION	L0002115	VOLUME	403141.842	3771126.872	0.0
LOCATION	L0002116	VOLUME	403138.573	3771128.519	0.0
LOCATION	L0002117	VOLUME	403135.305	3771130.166	0.0
LOCATION	L0002118	VOLUME	403132.036	3771131.813	0.0
LOCATION	L0002119	VOLUME	403128.767	3771133.460	0.0
LOCATION	L0002120	VOLUME	403125.499	3771135.106	0.0
LOCATION	L0002121	VOLUME	403122.230	3771136.753	0.0
LOCATION	L0002122	VOLUME	403118.962	3771138.400	0.0
LOCATION	L0002123	VOLUME	403115.693	3771140.047	0.0
LOCATION	L0002124	VOLUME	403112.425	3771141.694	0.0
LOCATION	L0002125	VOLUME	403109.156	3771143.340	0.0
LOCATION	L0002126	VOLUME	403105.887	3771144.987	0.0
LOCATION	L0002127	VOLUME	403102.619	3771146.634	0.0
LOCATION	L0002128	VOLUME	403099.350	3771148.281	0.0
LOCATION	L0002129	VOLUME	403096.082	3771149.928	0.0
LOCATION	L0002130	VOLUME	403092.813	3771151.575	0.0
LOCATION	L0002131	VOLUME	403089.545	3771153.221	0.0
LOCATION	L0002132	VOLUME	403086.276	3771154.868	0.0
LOCATION	L0002133	VOLUME	403083.007	3771156.515	0.0
LOCATION	L0002134	VOLUME	403079.739	3771158.162	0.0
LOCATION	L0002135	VOLUME	403076.470	3771159.809	0.0
LOCATION	L0002136	VOLUME	403073.202	3771161.456	0.0
LOCATION	L0002137	VOLUME	403069.933	3771163.102	0.0
LOCATION	L0002138	VOLUME	403066.665	3771164.749	0.0

LOCATION	L0002139	VOLUME	403063.396	3771166.396	0.0
LOCATION	L0002140	VOLUME	403060.127	3771168.043	0.0
LOCATION	L0002141	VOLUME	403056.859	3771169.690	0.0
LOCATION	L0002142	VOLUME	403053.590	3771171.337	0.0
LOCATION	L0002143	VOLUME	403050.322	3771172.983	0.0
LOCATION	L0002144	VOLUME	403047.053	3771174.630	0.0
LOCATION	L0002145	VOLUME	403043.785	3771176.277	0.0
LOCATION	L0002146	VOLUME	403040.516	3771177.924	0.0
LOCATION	L0002147	VOLUME	403037.247	3771179.571	0.0
LOCATION	L0002148	VOLUME	403033.979	3771181.218	0.0
LOCATION	L0002149	VOLUME	403030.710	3771182.864	0.0
LOCATION	L0002150	VOLUME	403027.442	3771184.511	0.0
LOCATION	L0002151	VOLUME	403024.173	3771186.158	0.0
LOCATION	L0002152	VOLUME	403020.905	3771187.805	0.0
LOCATION	L0002153	VOLUME	403017.636	3771189.452	0.0
LOCATION	L0002154	VOLUME	403014.367	3771191.098	0.0
LOCATION	L0002155	VOLUME	403011.099	3771192.745	0.0
LOCATION	L0002156	VOLUME	403007.830	3771194.392	0.0
LOCATION	L0002157	VOLUME	403004.562	3771196.039	0.0
LOCATION	L0002158	VOLUME	403001.293	3771197.686	0.0
LOCATION	L0002159	VOLUME	402998.025	3771199.333	0.0
LOCATION	L0002160	VOLUME	402994.756	3771200.979	0.0
LOCATION	L0002161	VOLUME	402991.487	3771202.626	0.0
LOCATION	L0002162	VOLUME	402988.219	3771204.273	0.0
LOCATION	L0002163	VOLUME	402984.950	3771205.920	0.0
LOCATION	L0002164	VOLUME	402981.682	3771207.567	0.0
LOCATION	L0002165	VOLUME	402978.413	3771209.214	0.0
LOCATION	L0002166	VOLUME	402975.145	3771210.860	0.0
LOCATION	L0002167	VOLUME	402971.876	3771212.507	0.0
LOCATION	L0002168	VOLUME	402968.607	3771214.154	0.0
LOCATION	L0002169	VOLUME	402965.339	3771215.801	0.0
LOCATION	L0002170	VOLUME	402962.070	3771217.448	0.0
LOCATION	L0002171	VOLUME	402958.802	3771219.095	0.0
LOCATION	L0002172	VOLUME	402955.533	3771220.741	0.0
LOCATION	L0002173	VOLUME	402952.265	3771222.388	0.0
LOCATION	L0002174	VOLUME	402948.996	3771224.035	0.0
LOCATION	L0002175	VOLUME	402945.727	3771225.682	0.0
LOCATION	L0002176	VOLUME	402942.459	3771227.329	0.0
LOCATION	L0002177	VOLUME	402939.190	3771228.976	0.0
LOCATION	L0002178	VOLUME	402936.121	3771230.153	0.0
LOCATION	L0002179	VOLUME	402935.043	3771226.656	0.0
LOCATION	L0002180	VOLUME	402933.964	3771223.158	0.0
LOCATION	L0002181	VOLUME	402932.885	3771219.661	0.0
LOCATION	L0002182	VOLUME	402931.806	3771216.164	0.0
LOCATION	L0002183	VOLUME	402930.727	3771212.666	0.0
LOCATION	L0002184	VOLUME	402929.648	3771209.169	0.0
LOCATION	L0002185	VOLUME	402928.570	3771205.671	0.0
LOCATION	L0002186	VOLUME	402927.491	3771202.174	0.0
LOCATION	L0002187	VOLUME	402926.412	3771198.677	0.0
LOCATION	L0002188	VOLUME	402925.333	3771195.179	0.0
LOCATION	L0002189	VOLUME	402924.254	3771191.682	0.0
LOCATION	L0002190	VOLUME	402923.175	3771188.185	0.0
LOCATION	L0002191	VOLUME	402922.097	3771184.687	0.0
LOCATION	L0002192	VOLUME	402921.018	3771181.190	0.0

LOCATION	L0002193	VOLUME	402919.939	3771177.692	0.0
LOCATION	L0002194	VOLUME	402918.860	3771174.195	0.0
LOCATION	L0002195	VOLUME	402917.781	3771170.698	0.0
LOCATION	L0002196	VOLUME	402916.702	3771167.200	0.0
LOCATION	L0002197	VOLUME	402915.638	3771163.698	0.0
LOCATION	L0002198	VOLUME	402914.595	3771160.190	0.0
LOCATION	L0002199	VOLUME	402913.551	3771156.682	0.0
LOCATION	L0002200	VOLUME	402912.507	3771153.174	0.0
LOCATION	L0002201	VOLUME	402911.463	3771149.666	0.0
LOCATION	L0002202	VOLUME	402910.420	3771146.158	0.0
LOCATION	L0002203	VOLUME	402909.376	3771142.650	0.0
LOCATION	L0002204	VOLUME	402908.332	3771139.142	0.0
LOCATION	L0002205	VOLUME	402907.288	3771135.634	0.0
LOCATION	L0002206	VOLUME	402906.244	3771132.126	0.0
LOCATION	L0002207	VOLUME	402905.201	3771128.618	0.0
LOCATION	L0002208	VOLUME	402904.157	3771125.110	0.0
LOCATION	L0002209	VOLUME	402903.113	3771121.602	0.0
LOCATION	L0002210	VOLUME	402902.069	3771118.094	0.0
LOCATION	L0002211	VOLUME	402901.026	3771114.586	0.0
LOCATION	L0002212	VOLUME	402899.982	3771111.078	0.0
LOCATION	L0002213	VOLUME	402898.938	3771107.570	0.0
LOCATION	L0002214	VOLUME	402897.894	3771104.062	0.0
LOCATION	L0002215	VOLUME	402896.850	3771100.554	0.0
LOCATION	L0002216	VOLUME	402895.807	3771097.046	0.0
LOCATION	L0002217	VOLUME	402894.763	3771093.538	0.0
LOCATION	L0002218	VOLUME	402893.719	3771090.030	0.0
LOCATION	L0002219	VOLUME	402892.675	3771086.522	0.0
LOCATION	L0002220	VOLUME	402891.632	3771083.014	0.0
LOCATION	L0002221	VOLUME	402890.588	3771079.506	0.0
LOCATION	L0002222	VOLUME	402889.544	3771075.998	0.0
LOCATION	L0002223	VOLUME	402888.500	3771072.490	0.0
LOCATION	L0002224	VOLUME	402887.457	3771068.982	0.0
LOCATION	L0002225	VOLUME	402886.413	3771065.474	0.0
LOCATION	L0002226	VOLUME	402885.369	3771061.966	0.0
LOCATION	L0002227	VOLUME	402884.325	3771058.458	0.0
LOCATION	L0002228	VOLUME	402883.281	3771054.950	0.0
LOCATION	L0002229	VOLUME	402882.238	3771051.442	0.0
LOCATION	L0002230	VOLUME	402881.194	3771047.934	0.0
LOCATION	L0002231	VOLUME	402880.150	3771044.426	0.0
LOCATION	L0002232	VOLUME	402879.106	3771040.918	0.0
LOCATION	L0002233	VOLUME	402878.063	3771037.410	0.0
LOCATION	L0002234	VOLUME	402877.019	3771033.902	0.0
LOCATION	L0002235	VOLUME	402875.975	3771030.394	0.0
LOCATION	L0002236	VOLUME	402874.931	3771026.886	0.0
LOCATION	L0002237	VOLUME	402873.888	3771023.378	0.0
LOCATION	L0002238	VOLUME	402872.844	3771019.870	0.0
LOCATION	L0002239	VOLUME	402871.810	3771016.359	0.0
LOCATION	L0002240	VOLUME	402870.958	3771012.800	0.0
LOCATION	L0002241	VOLUME	402870.105	3771009.241	0.0
LOCATION	L0002242	VOLUME	402869.252	3771005.681	0.0
LOCATION	L0002243	VOLUME	402868.399	3771002.122	0.0
LOCATION	L0002244	VOLUME	402867.546	3770998.563	0.0
LOCATION	L0002245	VOLUME	402866.693	3770995.004	0.0
LOCATION	L0002246	VOLUME	402865.840	3770991.444	0.0

LOCATION	L0002247	VOLUME	402864.987	3770987.885	0.0
LOCATION	L0002248	VOLUME	402864.134	3770984.326	0.0
LOCATION	L0002249	VOLUME	402863.281	3770980.767	0.0
LOCATION	L0002250	VOLUME	402862.428	3770977.207	0.0
LOCATION	L0002251	VOLUME	402861.576	3770973.648	0.0
LOCATION	L0002252	VOLUME	402860.723	3770970.089	0.0
LOCATION	L0002253	VOLUME	402859.870	3770966.530	0.0
LOCATION	L0002254	VOLUME	402859.017	3770962.971	0.0
LOCATION	L0002255	VOLUME	402858.164	3770959.411	0.0
LOCATION	L0002256	VOLUME	402857.311	3770955.852	0.0
LOCATION	L0002257	VOLUME	402856.477	3770952.290	0.0
LOCATION	L0002258	VOLUME	402856.135	3770948.646	0.0
LOCATION	L0002259	VOLUME	402855.793	3770945.002	0.0
LOCATION	L0002260	VOLUME	402855.452	3770941.358	0.0
LOCATION	L0002261	VOLUME	402855.110	3770937.714	0.0
LOCATION	L0002262	VOLUME	402854.769	3770934.070	0.0
LOCATION	L0002263	VOLUME	402854.427	3770930.426	0.0
LOCATION	L0002264	VOLUME	402854.085	3770926.782	0.0
LOCATION	L0002265	VOLUME	402853.744	3770923.138	0.0
LOCATION	L0002266	VOLUME	402853.402	3770919.494	0.0
LOCATION	L0002267	VOLUME	402853.060	3770915.850	0.0
LOCATION	L0002268	VOLUME	402852.870	3770912.196	0.0
LOCATION	L0002269	VOLUME	402852.759	3770908.538	0.0
LOCATION	L0002270	VOLUME	402852.648	3770904.880	0.0
LOCATION	L0002271	VOLUME	402852.537	3770901.221	0.0
LOCATION	L0002272	VOLUME	402852.427	3770897.563	0.0
LOCATION	L0002273	VOLUME	402852.316	3770893.905	0.0
LOCATION	L0002274	VOLUME	402852.205	3770890.246	0.0
LOCATION	L0002275	VOLUME	402852.094	3770886.588	0.0
LOCATION	L0002276	VOLUME	402852.063	3770882.928	0.0
LOCATION	L0002277	VOLUME	402852.074	3770879.269	0.0
LOCATION	L0002278	VOLUME	402852.086	3770875.609	0.0
LOCATION	L0002279	VOLUME	402852.097	3770871.949	0.0
LOCATION	L0002280	VOLUME	402852.108	3770868.289	0.0
LOCATION	L0002281	VOLUME	402852.119	3770864.629	0.0
LOCATION	L0002282	VOLUME	402852.130	3770860.969	0.0
LOCATION	L0002283	VOLUME	402852.141	3770857.309	0.0
LOCATION	L0002284	VOLUME	402852.152	3770853.649	0.0
LOCATION	L0002285	VOLUME	402852.163	3770849.989	0.0
LOCATION	L0002286	VOLUME	402852.174	3770846.329	0.0
LOCATION	L0002287	VOLUME	402852.186	3770842.669	0.0
LOCATION	L0002288	VOLUME	402852.197	3770839.009	0.0
LOCATION	L0002289	VOLUME	402852.208	3770835.349	0.0
LOCATION	L0002290	VOLUME	402852.219	3770831.689	0.0
LOCATION	L0002291	VOLUME	402852.230	3770828.029	0.0
LOCATION	L0002292	VOLUME	402852.241	3770824.369	0.0
LOCATION	L0002293	VOLUME	402852.252	3770820.709	0.0
LOCATION	L0002294	VOLUME	402852.263	3770817.049	0.0
LOCATION	L0002295	VOLUME	402852.274	3770813.389	0.0
LOCATION	L0002296	VOLUME	402852.285	3770809.729	0.0
LOCATION	L0002297	VOLUME	402852.297	3770806.069	0.0
LOCATION	L0002298	VOLUME	402852.308	3770802.409	0.0
LOCATION	L0002299	VOLUME	402852.319	3770798.749	0.0
LOCATION	L0002300	VOLUME	402852.330	3770795.089	0.0

LOCATION	L0002301	VOLUME	402852.341	3770791.429	0.0
LOCATION	L0002302	VOLUME	402852.352	3770787.769	0.0
LOCATION	L0002303	VOLUME	402852.363	3770784.109	0.0
LOCATION	L0002304	VOLUME	402852.374	3770780.449	0.0
LOCATION	L0002305	VOLUME	402852.385	3770776.789	0.0
LOCATION	L0002306	VOLUME	402852.397	3770773.129	0.0
LOCATION	L0002307	VOLUME	402852.408	3770769.469	0.0
LOCATION	L0002308	VOLUME	402852.419	3770765.809	0.0
LOCATION	L0002309	VOLUME	402852.430	3770762.149	0.0
LOCATION	L0002310	VOLUME	402852.441	3770758.489	0.0
LOCATION	L0002311	VOLUME	402852.452	3770754.829	0.0
LOCATION	L0002312	VOLUME	402852.463	3770751.169	0.0
LOCATION	L0002313	VOLUME	402852.474	3770747.509	0.0
LOCATION	L0002314	VOLUME	402852.485	3770743.849	0.0
LOCATION	L0002315	VOLUME	402852.497	3770740.189	0.0
LOCATION	L0002316	VOLUME	402852.508	3770736.529	0.0
LOCATION	L0002317	VOLUME	402852.519	3770732.869	0.0
LOCATION	L0002318	VOLUME	402852.530	3770729.209	0.0
LOCATION	L0002319	VOLUME	402852.541	3770725.549	0.0
LOCATION	L0002320	VOLUME	402852.552	3770721.889	0.0
LOCATION	L0002321	VOLUME	402852.563	3770718.229	0.0
LOCATION	L0002322	VOLUME	402852.574	3770714.569	0.0
LOCATION	L0002323	VOLUME	402852.585	3770710.909	0.0
LOCATION	L0002324	VOLUME	402852.597	3770707.249	0.0
LOCATION	L0002325	VOLUME	402852.608	3770703.589	0.0
LOCATION	L0002326	VOLUME	402852.619	3770699.929	0.0
LOCATION	L0002327	VOLUME	402852.630	3770696.269	0.0
LOCATION	L0002328	VOLUME	402852.641	3770692.609	0.0
LOCATION	L0002329	VOLUME	402852.678	3770688.950	0.0
LOCATION	L0002330	VOLUME	402852.746	3770685.290	0.0
LOCATION	L0002331	VOLUME	402852.815	3770681.631	0.0
LOCATION	L0002332	VOLUME	402852.884	3770677.972	0.0
LOCATION	L0002333	VOLUME	402852.952	3770674.312	0.0
LOCATION	L0002334	VOLUME	402853.021	3770670.653	0.0
LOCATION	L0002335	VOLUME	402853.090	3770666.994	0.0
LOCATION	L0002336	VOLUME	402853.158	3770663.334	0.0
LOCATION	L0002337	VOLUME	402853.227	3770659.675	0.0
LOCATION	L0002338	VOLUME	402853.296	3770656.015	0.0
LOCATION	L0002339	VOLUME	402853.364	3770652.356	0.0
LOCATION	L0002340	VOLUME	402853.433	3770648.697	0.0
LOCATION	L0002341	VOLUME	402853.502	3770645.037	0.0
LOCATION	L0002342	VOLUME	402853.570	3770641.378	0.0
LOCATION	L0002343	VOLUME	402853.639	3770637.719	0.0
LOCATION	L0002344	VOLUME	402853.708	3770634.059	0.0
LOCATION	L0002345	VOLUME	402853.776	3770630.400	0.0
LOCATION	L0002346	VOLUME	402853.845	3770626.741	0.0
LOCATION	L0002347	VOLUME	402853.914	3770623.081	0.0
LOCATION	L0002348	VOLUME	402853.982	3770619.422	0.0
LOCATION	L0002349	VOLUME	402854.051	3770615.763	0.0
LOCATION	L0002350	VOLUME	402854.120	3770612.103	0.0
LOCATION	L0002351	VOLUME	402854.188	3770608.444	0.0
LOCATION	L0002352	VOLUME	402854.257	3770604.784	0.0
LOCATION	L0002353	VOLUME	402854.326	3770601.125	0.0
LOCATION	L0002354	VOLUME	402854.394	3770597.466	0.0

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   LOCATION L0002355     VOLUME   402854.463 3770593.806 0.0
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   LOCATION L0002357     VOLUME   402854.600 3770586.488 0.0
   LOCATION L0002358     VOLUME   402854.669 3770582.828 0.0
   LOCATION L0002359     VOLUME   402854.738 3770579.169 0.0
   LOCATION L0002360     VOLUME   402854.806 3770575.510 0.0
   LOCATION L0002361     VOLUME   402854.875 3770571.850 0.0
   LOCATION L0002362     VOLUME   402854.944 3770568.191 0.0
   LOCATION L0002363     VOLUME   402855.012 3770564.532 0.0
   LOCATION L0002364     VOLUME   402855.081 3770560.872 0.0
   LOCATION L0002365     VOLUME   402855.150 3770557.213 0.0
   LOCATION L0002366     VOLUME   402855.218 3770553.554 0.0
   LOCATION L0002367     VOLUME   402855.287 3770549.894 0.0
   LOCATION L0002368     VOLUME   402855.355 3770546.235 0.0
   LOCATION L0002369     VOLUME   402855.424 3770542.575 0.0
   LOCATION L0002370     VOLUME   402855.493 3770538.916 0.0
   LOCATION L0002371     VOLUME   402855.561 3770535.257 0.0
   LOCATION L0002372     VOLUME   402855.630 3770531.597 0.0
   LOCATION L0002373     VOLUME   402855.699 3770527.938 0.0
   LOCATION L0002374     VOLUME   402855.767 3770524.279 0.0
   LOCATION L0002375     VOLUME   402855.836 3770520.619 0.0
   LOCATION L0002376     VOLUME   402855.905 3770516.960 0.0
   LOCATION L0002377     VOLUME   402855.973 3770513.301 0.0
   LOCATION L0002378     VOLUME   402856.042 3770509.641 0.0
   LOCATION L0002379     VOLUME   402856.111 3770505.982 0.0
   LOCATION L0002380     VOLUME   402856.179 3770502.323 0.0
   LOCATION L0002381     VOLUME   402856.248 3770498.663 0.0
   LOCATION L0002382     VOLUME   402856.317 3770495.004 0.0
   LOCATION L0002383     VOLUME   402856.385 3770491.344 0.0
   LOCATION L0002384     VOLUME   402856.454 3770487.685 0.0
   LOCATION L0002385     VOLUME   402856.523 3770484.026 0.0
   LOCATION L0002386     VOLUME   402856.591 3770480.366 0.0
   LOCATION L0002387     VOLUME   402856.660 3770476.707 0.0
   LOCATION L0002388     VOLUME   402856.729 3770473.048 0.0
   LOCATION L0002389     VOLUME   402856.797 3770469.388 0.0
   LOCATION L0002390     VOLUME   402856.866 3770465.729 0.0
   LOCATION L0002391     VOLUME   402856.935 3770462.070 0.0
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   LOCATION L0002393     VOLUME   402857.072 3770454.751 0.0
   LOCATION L0002394     VOLUME   402857.141 3770451.092 0.0
   LOCATION L0002395     VOLUME   402857.209 3770447.432 0.0
   LOCATION L0002396     VOLUME   402857.278 3770443.773 0.0
   LOCATION L0002397     VOLUME   402857.347 3770440.113 0.0
   LOCATION L0002398     VOLUME   402857.415 3770436.454 0.0
   LOCATION L0002399     VOLUME   402857.484 3770432.795 0.0
   LOCATION L0002400     VOLUME   402857.553 3770429.135 0.0
   LOCATION L0002401     VOLUME   402857.621 3770425.476 0.0
** End of LINE VOLUME Source ID = SLINE2
** Source Parameters **
   SRCPARAM STCK1        0.0000396137     3.840   366.000   0.00100
0.100
   SRCPARAM STCK2        0.0000396137     3.840   366.000   0.00100
0.100
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   SRCPARAM STCK3        4.813E-06    10.668   366.483   6.09622
0.305
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   SRCPARAM L0001813     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001815     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001816     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001817     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001819     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001820     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001822     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001823     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001826     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001827     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001828     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001831     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001832     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001834     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001839     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001840     0.00000006284      0.00      1.70      0.85
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SRCPARAM L0002334	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002335	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002336	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002337	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002338	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002339	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002340	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002341	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002342	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002343	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002344	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002345	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002346	0.00000003277	0.00	1.70	0.85

SRCPARAM L0002347	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002348	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002349	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002350	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002351	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002352	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002353	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002354	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002355	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002356	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002357	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002358	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002359	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002360	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002361	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002362	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002363	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002364	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002365	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002366	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002367	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002368	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002369	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002370	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002371	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002372	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002373	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002374	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002375	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002376	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002377	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002378	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002379	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002380	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002381	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002382	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002383	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002384	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002385	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002386	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002387	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002388	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002389	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002390	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002391	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002392	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002393	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002394	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002395	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002396	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002397	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002398	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002399	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002400	0.00000003277	0.00	1.70	0.85

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   SRCPARAM L0002401     0.00000003277      0.00      1.70      0.85
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP Diesel   STCK1 STCK2 L0001812 L0001813 L0001814 L0001815
L0001816
   SRCGROUP Diesel   L0001817 L0001818 L0001819 L0001820 L0001821
L0001822
   SRCGROUP Diesel   L0001823 L0001824 L0001825 L0001826 L0001827
L0001828
   SRCGROUP Diesel   L0001829 L0001830 L0001831 L0001832 L0001833
L0001834
   SRCGROUP Diesel   L0001835 L0001836 L0001837 L0001838 L0001839
L0001840
   SRCGROUP Diesel   L0001841 L0001842 L0001843 L0001844 L0001845
L0001846
   SRCGROUP Diesel   L0001847 L0001848 L0001849 L0001850 L0001851
L0001852
   SRCGROUP Diesel   L0001853 L0001854 L0001855 L0001856 L0001857
L0001858
   SRCGROUP Diesel   L0001859 L0001860 L0001861 L0001862 L0001863
L0001864
   SRCGROUP Diesel   L0001865 L0001866 L0001867 L0001868 L0001869
L0001870
   SRCGROUP Diesel   L0001871 L0001872 L0001873 L0001874 L0001875
L0001876
   SRCGROUP Diesel   L0001877 L0001878 L0001879 L0001880 L0001881
L0001882
   SRCGROUP Diesel   L0001883 L0001884 L0001885 L0001886 L0001887
L0001888
   SRCGROUP Diesel   L0001889 L0001890 L0001891 L0001892 L0001893
L0001894
   SRCGROUP Diesel   L0001895 L0001896 L0001897 L0001898 L0001899
L0001900
   SRCGROUP Diesel   L0001901 L0001902 L0001903 L0001904 L0001905
L0001906
   SRCGROUP Diesel   L0001907 L0001908 L0001909 L0001910 L0001911
L0001912
   SRCGROUP Diesel   L0001913 L0001914 L0001915 L0001916 L0001917
L0001918
   SRCGROUP Diesel   L0001919 L0001920 L0001921 L0001922 L0001923
L0001924
   SRCGROUP Diesel   L0001925 L0001926 L0001927 L0001928 L0001929
L0001930
   SRCGROUP Diesel   L0001931 L0001932 L0001933 L0001934 L0001935
L0001936
   SRCGROUP Diesel   L0001937 L0001938 L0001939 L0001940 L0001941
L0001942
   SRCGROUP Diesel   L0001943 L0001944 L0001945 L0001946 L0001947
L0001948
   SRCGROUP Diesel   L0001949 L0001950 L0001951 L0001952 L0001953
L0001954
   SRCGROUP Diesel   L0001955 L0001956 L0001957 L0001958 L0001959
L0001960
```

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   SRCGROUP Diesel   L0001961 L0001962 L0001963 L0001964 L0001965
L0001966
   SRCGROUP Diesel   L0001967 L0001968 L0001969 L0001970 L0001971
L0001972
   SRCGROUP Diesel   L0001973 L0001974 L0001975 L0001976 L0001977
L0001978
   SRCGROUP Diesel   L0001979 L0001980 L0001981 L0001982 L0001983
L0001984
   SRCGROUP Diesel   L0001985 L0001986 L0001987 L0001988 L0001989
L0001990
   SRCGROUP Diesel   L0001991 L0001992 L0001993 L0001994 L0001995
L0001996
   SRCGROUP Diesel   L0001997 L0001998 L0001999 L0002000 L0002001
L0002002
   SRCGROUP Diesel   L0002003 L0002004 L0002005 L0002006 L0002007
L0002008
   SRCGROUP Diesel   L0002009 L0002010 L0002011 L0002012 L0002013
L0002014
   SRCGROUP Diesel   L0002015 L0002016 L0002017 L0002018 L0002019
L0002020
   SRCGROUP Diesel   L0002021 L0002022 L0002023 L0002024 L0002025
L0002026
   SRCGROUP Diesel   L0002027 L0002028 L0002029 L0002030 L0002031
L0002032
   SRCGROUP Diesel   L0002033 L0002034 L0002035 L0002036 L0002037
L0002038
   SRCGROUP Diesel   L0002039 L0002040 L0002041 L0002042 L0002043
L0002044
   SRCGROUP Diesel   L0002045 L0002046 L0002047 L0002048 L0002049
L0002050
   SRCGROUP Diesel   L0002051 L0002052 L0002053 L0002054 L0002055
L0002056
   SRCGROUP Diesel   L0002057 L0002058 L0002059 L0002060 L0002061
L0002062
   SRCGROUP Diesel   L0002063 L0002064 L0002065 L0002066 L0002067
L0002068
   SRCGROUP Diesel   L0002069 L0002070 L0002071 L0002072 L0002073
L0002074
   SRCGROUP Diesel   L0002075 L0002076 L0002077 L0002078 L0002079
L0002080
   SRCGROUP Diesel   L0002081 L0002082 L0002083 L0002084 L0002085
L0002086
   SRCGROUP Diesel   L0002087 L0002088 L0002089 L0002090 L0002091
L0002092
   SRCGROUP Diesel   L0002093 L0002094 L0002095 L0002096 L0002097
L0002098
   SRCGROUP Diesel   L0002099 L0002100 L0002101 L0002102 L0002103
L0002104
   SRCGROUP Diesel   L0002105 L0002106 L0002107 L0002108 L0002109
L0002110
   SRCGROUP Diesel   L0002111 L0002112 L0002113 L0002114 L0002115
L0002116
   SRCGROUP Diesel   L0002117 L0002118 L0002119 L0002120 L0002121
L0002122
```

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   SRCGROUP Diesel   L0002123 L0002124 L0002125 L0002126 L0002127
L0002128
   SRCGROUP Diesel   L0002129 L0002130 L0002131 L0002132 L0002133
L0002134
   SRCGROUP Diesel   L0002135 L0002136 L0002137 L0002138 L0002139
L0002140
   SRCGROUP Diesel   L0002141 L0002142 L0002143 L0002144 L0002145
L0002146
   SRCGROUP Diesel   L0002147 L0002148 L0002149 L0002150 L0002151
L0002152
   SRCGROUP Diesel   L0002153 L0002154 L0002155 L0002156 L0002157
L0002158
   SRCGROUP Diesel   L0002159 L0002160 L0002161 L0002162 L0002163
L0002164
   SRCGROUP Diesel   L0002165 L0002166 L0002167 L0002168 L0002169
L0002170
   SRCGROUP Diesel   L0002171 L0002172 L0002173 L0002174 L0002175
L0002176
   SRCGROUP Diesel   L0002177 L0002178 L0002179 L0002180 L0002181
L0002182
   SRCGROUP Diesel   L0002183 L0002184 L0002185 L0002186 L0002187
L0002188
   SRCGROUP Diesel   L0002189 L0002190 L0002191 L0002192 L0002193
L0002194
   SRCGROUP Diesel   L0002195 L0002196 L0002197 L0002198 L0002199
L0002200
   SRCGROUP Diesel   L0002201 L0002202 L0002203 L0002204 L0002205
L0002206
   SRCGROUP Diesel   L0002207 L0002208 L0002209 L0002210 L0002211
L0002212
   SRCGROUP Diesel   L0002213 L0002214 L0002215 L0002216 L0002217
L0002218
   SRCGROUP Diesel   L0002219 L0002220 L0002221 L0002222 L0002223
L0002224
   SRCGROUP Diesel   L0002225 L0002226 L0002227 L0002228 L0002229
L0002230
   SRCGROUP Diesel   L0002231 L0002232 L0002233 L0002234 L0002235
L0002236
   SRCGROUP Diesel   L0002237 L0002238 L0002239 L0002240 L0002241
L0002242
   SRCGROUP Diesel   L0002243 L0002244 L0002245 L0002246 L0002247
L0002248
   SRCGROUP Diesel   L0002249 L0002250 L0002251 L0002252 L0002253
L0002254
   SRCGROUP Diesel   L0002255 L0002256 L0002257 L0002258 L0002259
L0002260
   SRCGROUP Diesel   L0002261 L0002262 L0002263 L0002264 L0002265
L0002266
   SRCGROUP Diesel   L0002267 L0002268 L0002269 L0002270 L0002271
L0002272
   SRCGROUP Diesel   L0002273 L0002274 L0002275 L0002276 L0002277
L0002278
   SRCGROUP Diesel   L0002279 L0002280 L0002281 L0002282 L0002283
L0002284
```

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   SRCGROUP Diesel   L0002285 L0002286 L0002287 L0002288 L0002289
L0002290
   SRCGROUP Diesel   L0002291 L0002292 L0002293 L0002294 L0002295
L0002296
   SRCGROUP Diesel   L0002297 L0002298 L0002299 L0002300 L0002301
L0002302
   SRCGROUP Diesel   L0002303 L0002304 L0002305 L0002306 L0002307
L0002308
   SRCGROUP Diesel   L0002309 L0002310 L0002311 L0002312 L0002313
L0002314
   SRCGROUP Diesel   L0002315 L0002316 L0002317 L0002318 L0002319
L0002320
   SRCGROUP Diesel   L0002321 L0002322 L0002323 L0002324 L0002325
L0002326
   SRCGROUP Diesel   L0002327 L0002328 L0002329 L0002330 L0002331
L0002332
   SRCGROUP Diesel   L0002333 L0002334 L0002335 L0002336 L0002337
L0002338
   SRCGROUP Diesel   L0002339 L0002340 L0002341 L0002342 L0002343
L0002344
   SRCGROUP Diesel   L0002345 L0002346 L0002347 L0002348 L0002349
L0002350
   SRCGROUP Diesel   L0002351 L0002352 L0002353 L0002354 L0002355
L0002356
   SRCGROUP Diesel   L0002357 L0002358 L0002359 L0002360 L0002361
L0002362
   SRCGROUP Diesel   L0002363 L0002364 L0002365 L0002366 L0002367
L0002368
   SRCGROUP Diesel   L0002369 L0002370 L0002371 L0002372 L0002373
L0002374
   SRCGROUP Diesel   L0002375 L0002376 L0002377 L0002378 L0002379
L0002380
   SRCGROUP Diesel   L0002381 L0002382 L0002383 L0002384 L0002385
L0002386
   SRCGROUP Diesel   L0002387 L0002388 L0002389 L0002390 L0002391
L0002392
   SRCGROUP Diesel   L0002393 L0002394 L0002395 L0002396 L0002397
L0002398
   SRCGROUP Diesel   L0002399 L0002400 L0002401
   SRCGROUP Cooking  STCK3
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
** DESCRREC "" ""
   DISCCART    403353.03   3771291.64    1.50
   DISCCART    404054.84   3771612.72    1.50
   DISCCART    404572.31   3771098.76    1.50
RE FINISHED
```

```
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\azus6.sfc
   PROFFILE ..\azus6.PFL
   SURFDATA 3190 2005
   UAIRDATA 3190 2005
   SITEDATA 99999 2005
   PROFBASE 182.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "08344_EL MONTE WALMART (SCHOOLS).AD\AN00GALL.PLT"
31
   PLOTFILE ANNUAL Diesel "08344_EL MONTE WALMART
(SCHOOLS).AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL Cooking "08344_EL MONTE WALMART
(SCHOOLS).AD\AN00G002.PLT" 33
   SUMMFILE "08344_El Monte Walmart (Schools).sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W530    1421 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE
for     SURFDATA

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

```
 *** AERMOD - VERSION  12345 ***   *** C:\Lakes\AERMOD View\08344_El
Monte Walmart\08344_El Monte Walmart\0 ***        02/19/14
                                   ***
***        13:04:28

PAGE   1
 **MODELOPTs:  NonDFAULT CONC                                    FLAT
FLGPOL                       FASTALL


                                            ***     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   593 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9862049.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Assumes Receptors on FLAT Terrain.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTALL  - Use effective sigma-y to optimize meander for
                    POINT and VOLUME sources, and hybrid approach
                    to optimize AREA sources (formerly TOXICS option)

 **Model Accepts FLAGPOLE Receptor Heights.

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:    593 Source(s);       3 Source Group(s); and
3 Receptor(s)

 **The Model Assumes A Pollutant Type of:  OTHER

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

 **Output Options Selected:
          Model Outputs Tables of ANNUAL 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) =   182.00 ;
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 =      3.8 MB of RAM.

 **Detailed Error/Message File:   08344_El Monte Walmart (Schools).err
 **File for Summary of Results:   08344_El Monte Walmart (Schools).sum
```

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
STCK1	0	0.39614E-04	403888.1	3771181.0	182.0	3.84	366.00	0.00	0.10	NO	YES	NO	
STCK2	0	0.39614E-04	403873.4	3771109.2	182.0	3.84	366.00	0.00	0.10	NO	YES	NO	
STCK3	0	0.48130E-05	403790.1	3771174.0	182.0	10.67	366.48	6.10	0.31	NO	YES	NO	

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001812	0	0.62840E-07	403865.3	3770931.9	182.0	0.00	1.70	0.85	YES
L0001813	0	0.62840E-07	403865.9	3770935.6	182.0	0.00	1.70	0.85	YES
L0001814	0	0.62840E-07	403866.4	3770939.2	182.0	0.00	1.70	0.85	YES
L0001815	0	0.62840E-07	403866.9	3770942.8	182.0	0.00	1.70	0.85	YES
L0001816	0	0.62840E-07	403867.5	3770946.4	182.0	0.00	1.70	0.85	YES
L0001817	0	0.62840E-07	403868.0	3770950.0	182.0	0.00	1.70	0.85	YES
L0001818	0	0.62840E-07	403868.5	3770953.7	182.0	0.00	1.70	0.85	YES
L0001819	0	0.62840E-07	403869.1	3770957.3	182.0	0.00	1.70	0.85	YES
L0001820	0	0.62840E-07	403869.6	3770960.9	182.0	0.00	1.70	0.85	YES
L0001821	0	0.62840E-07	403870.1	3770964.5	182.0	0.00	1.70	0.85	YES
L0001822	0	0.62840E-07	403870.7	3770968.1	182.0	0.00	1.70	0.85	YES
L0001823	0	0.62840E-07	403871.2	3770971.8	182.0	0.00	1.70	0.85	YES
L0001824	0	0.62840E-07	403871.7	3770975.4	182.0	0.00	1.70	0.85	YES
L0001825	0	0.62840E-07	403872.3	3770979.0	182.0	0.00	1.70	0.85	YES
L0001826	0	0.62840E-07	403872.8	3770982.6	182.0	0.00	1.70	0.85	YES

L0001827	0	0.62840E-07	403873.3	3770986.2	182.0	0.00	1.70	0.85	YES
L0001828	0	0.62840E-07	403873.9	3770989.9	182.0	0.00	1.70	0.85	YES
L0001829	0	0.62840E-07	403874.4	3770993.5	182.0	0.00	1.70	0.85	YES
L0001830	0	0.62840E-07	403874.9	3770997.1	182.0	0.00	1.70	0.85	YES
L0001831	0	0.62840E-07	403875.5	3771000.7	182.0	0.00	1.70	0.85	YES
L0001832	0	0.62840E-07	403876.0	3771004.4	182.0	0.00	1.70	0.85	YES
L0001833	0	0.62840E-07	403876.5	3771008.0	182.0	0.00	1.70	0.85	YES
L0001834	0	0.62840E-07	403877.1	3771011.6	182.0	0.00	1.70	0.85	YES
L0001835	0	0.62840E-07	403877.6	3771015.2	182.0	0.00	1.70	0.85	YES
L0001836	0	0.62840E-07	403878.1	3771018.8	182.0	0.00	1.70	0.85	YES
L0001837	0	0.62840E-07	403879.5	3771022.2	182.0	0.00	1.70	0.85	YES
L0001838	0	0.62840E-07	403881.0	3771025.6	182.0	0.00	1.70	0.85	YES
L0001839	0	0.62840E-07	403882.5	3771028.9	182.0	0.00	1.70	0.85	YES
L0001840	0	0.62840E-07	403884.0	3771032.2	182.0	0.00	1.70	0.85	YES
L0001841	0	0.62840E-07	403885.5	3771035.6	182.0	0.00	1.70	0.85	YES
L0001842	0	0.62840E-07	403887.0	3771038.9	182.0	0.00	1.70	0.85	YES
L0001843	0	0.62840E-07	403888.5	3771042.2	182.0	0.00	1.70	0.85	YES
L0001844	0	0.62840E-07	403890.4	3771045.3	182.0	0.00	1.70	0.85	YES
L0001845	0	0.62840E-07	403892.4	3771048.5	182.0	0.00	1.70	0.85	YES
L0001846	0	0.62840E-07	403893.2	3771052.0	182.0	0.00	1.70	0.85	YES
L0001847	0	0.62840E-07	403894.0	3771055.6	182.0	0.00	1.70	0.85	YES
L0001848	0	0.62840E-07	403894.7	3771059.2	182.0	0.00	1.70	0.85	YES
L0001849	0	0.62840E-07	403895.5	3771062.8	182.0	0.00	1.70	0.85	YES
L0001850	0	0.62840E-07	403896.2	3771066.3	182.0	0.00	1.70	0.85	YES
L0001851	0	0.62840E-07	403897.0	3771069.9	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001852	0	0.62840E-07	403897.7	3771073.5	182.0	0.00	1.70	0.85	YES	
L0001853	0	0.62840E-07	403898.4	3771077.1	182.0	0.00	1.70	0.85	YES	
L0001854	0	0.62840E-07	403899.2	3771080.7	182.0	0.00	1.70	0.85	YES	
L0001855	0	0.62840E-07	403899.9	3771084.3	182.0	0.00	1.70	0.85	YES	
L0001856	0	0.62840E-07	403900.6	3771087.9	182.0	0.00	1.70	0.85	YES	
L0001857	0	0.62840E-07	403901.4	3771091.4	182.0	0.00	1.70	0.85	YES	
L0001858	0	0.62840E-07	403902.1	3771095.0	182.0	0.00	1.70	0.85	YES	
L0001859	0	0.62840E-07	403902.8	3771098.6	182.0	0.00	1.70	0.85	YES	
L0001860	0	0.62840E-07	403903.6	3771102.2	182.0	0.00	1.70	0.85	YES	
L0001861	0	0.62840E-07	403904.3	3771105.8	182.0	0.00	1.70	0.85	YES	
L0001862	0	0.62840E-07	403905.0	3771109.4	182.0	0.00	1.70	0.85	YES	
L0001863	0	0.62840E-07	403905.7	3771113.0	182.0	0.00	1.70	0.85	YES	
L0001864	0	0.62840E-07	403906.5	3771116.5	182.0	0.00	1.70	0.85	YES	
L0001865	0	0.62840E-07	403907.2	3771120.1	182.0	0.00	1.70	0.85	YES	
L0001866	0	0.62840E-07	403907.9	3771123.7	182.0	0.00	1.70	0.85	YES	

L0001867	0	0.62840E-07	403908.7	3771127.3	182.0	0.00	1.70	0.85	YES
L0001868	0	0.62840E-07	403909.4	3771130.9	182.0	0.00	1.70	0.85	YES
L0001869	0	0.62840E-07	403910.1	3771134.5	182.0	0.00	1.70	0.85	YES
L0001870	0	0.62840E-07	403910.9	3771138.1	182.0	0.00	1.70	0.85	YES
L0001871	0	0.62840E-07	403911.6	3771141.7	182.0	0.00	1.70	0.85	YES
L0001872	0	0.62840E-07	403912.3	3771145.2	182.0	0.00	1.70	0.85	YES
L0001873	0	0.62840E-07	403913.1	3771148.8	182.0	0.00	1.70	0.85	YES
L0001874	0	0.62840E-07	403913.8	3771152.4	182.0	0.00	1.70	0.85	YES
L0001875	0	0.62840E-07	403914.5	3771156.0	182.0	0.00	1.70	0.85	YES
L0001876	0	0.62840E-07	403915.3	3771159.6	182.0	0.00	1.70	0.85	YES
L0001877	0	0.62840E-07	403916.0	3771163.2	182.0	0.00	1.70	0.85	YES
L0001878	0	0.62840E-07	403916.7	3771166.8	182.0	0.00	1.70	0.85	YES
L0001879	0	0.62840E-07	403917.4	3771170.3	182.0	0.00	1.70	0.85	YES
L0001880	0	0.62840E-07	403918.2	3771173.9	182.0	0.00	1.70	0.85	YES
L0001881	0	0.62840E-07	403918.9	3771177.5	182.0	0.00	1.70	0.85	YES
L0001882	0	0.62840E-07	403919.6	3771181.1	182.0	0.00	1.70	0.85	YES
L0001883	0	0.62840E-07	403920.4	3771184.7	182.0	0.00	1.70	0.85	YES
L0001884	0	0.62840E-07	403921.1	3771188.3	182.0	0.00	1.70	0.85	YES
L0001885	0	0.62840E-07	403921.8	3771191.9	182.0	0.00	1.70	0.85	YES
L0001886	0	0.62840E-07	403922.6	3771195.4	182.0	0.00	1.70	0.85	YES
L0001887	0	0.62840E-07	403923.3	3771199.0	182.0	0.00	1.70	0.85	YES
L0001888	0	0.62840E-07	403924.0	3771202.6	182.0	0.00	1.70	0.85	YES
L0001889	0	0.62840E-07	403924.8	3771206.2	182.0	0.00	1.70	0.85	YES
L0001890	0	0.62840E-07	403925.5	3771209.8	182.0	0.00	1.70	0.85	YES
L0001891	0	0.62840E-07	403926.2	3771213.4	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001892	0	0.62840E-07	403927.0	3771217.0	182.0	0.00	1.70	0.85	YES
L0001893	0	0.62840E-07	403927.7	3771220.5	182.0	0.00	1.70	0.85	YES
L0001894	0	0.62840E-07	403928.3	3771224.1	182.0	0.00	1.70	0.85	YES
L0001895	0	0.62840E-07	403929.0	3771227.8	182.0	0.00	1.70	0.85	YES
L0001896	0	0.62840E-07	403929.6	3771231.4	182.0	0.00	1.70	0.85	YES
L0001897	0	0.62840E-07	403930.3	3771235.0	182.0	0.00	1.70	0.85	YES
L0001898	0	0.62840E-07	403930.6	3771238.6	182.0	0.00	1.70	0.85	YES
L0001899	0	0.62840E-07	403930.1	3771242.1	182.0	0.00	1.70	0.85	YES
L0001900	0	0.62840E-07	403927.5	3771244.4	182.0	0.00	1.70	0.85	YES
L0001901	0	0.62840E-07	403924.5	3771246.5	182.0	0.00	1.70	0.85	YES
L0001902	0	0.62840E-07	403921.1	3771247.4	182.0	0.00	1.70	0.85	YES
L0001903	0	0.62840E-07	403917.5	3771247.1	182.0	0.00	1.70	0.85	YES
L0001904	0	0.62840E-07	403914.4	3771245.2	182.0	0.00	1.70	0.85	YES
L0001905	0	0.62840E-07	403912.4	3771242.2	182.0	0.00	1.70	0.85	YES
L0001906	0	0.62840E-07	403910.7	3771239.1	182.0	0.00	1.70	0.85	YES

L0001907		0	0.32770E-07	403863.4	3770922.3	182.0	0.00	1.70	0.85
YES									
L0001908		0	0.32770E-07	403859.9	3770921.6	182.0	0.00	1.70	0.85
YES									
L0001909		0	0.32770E-07	403856.2	3770921.8	182.0	0.00	1.70	0.85
YES									
L0001910		0	0.32770E-07	403852.6	3770922.0	182.0	0.00	1.70	0.85
YES									
L0001911		0	0.32770E-07	403848.9	3770922.2	182.0	0.00	1.70	0.85
YES									
L0001912		0	0.32770E-07	403845.3	3770922.4	182.0	0.00	1.70	0.85
YES									
L0001913		0	0.32770E-07	403841.6	3770922.6	182.0	0.00	1.70	0.85
YES									
L0001914		0	0.32770E-07	403837.9	3770922.8	182.0	0.00	1.70	0.85
YES									
L0001915		0	0.32770E-07	403834.3	3770923.0	182.0	0.00	1.70	0.85
YES									
L0001916		0	0.32770E-07	403830.6	3770923.2	182.0	0.00	1.70	0.85
YES									
L0001917		0	0.32770E-07	403827.0	3770923.4	182.0	0.00	1.70	0.85
YES									
L0001918		0	0.32770E-07	403823.3	3770923.6	182.0	0.00	1.70	0.85
YES									
L0001919		0	0.32770E-07	403819.7	3770923.8	182.0	0.00	1.70	0.85
YES									
L0001920		0	0.32770E-07	403816.0	3770924.0	182.0	0.00	1.70	0.85
YES									
L0001921		0	0.32770E-07	403812.4	3770924.2	182.0	0.00	1.70	0.85
YES									
L0001922		0	0.32770E-07	403808.7	3770924.4	182.0	0.00	1.70	0.85
YES									
L0001923		0	0.32770E-07	403805.1	3770924.6	182.0	0.00	1.70	0.85
YES									
L0001924		0	0.32770E-07	403801.4	3770924.8	182.0	0.00	1.70	0.85
YES									
L0001925		0	0.32770E-07	403797.7	3770925.0	182.0	0.00	1.70	0.85
YES									
L0001926		0	0.32770E-07	403794.1	3770925.2	182.0	0.00	1.70	0.85
YES									
L0001927		0	0.32770E-07	403790.4	3770925.4	182.0	0.00	1.70	0.85
YES									
L0001928		0	0.32770E-07	403786.8	3770925.6	182.0	0.00	1.70	0.85
YES									
L0001929		0	0.32770E-07	403783.1	3770925.8	182.0	0.00	1.70	0.85
YES									
L0001930		0	0.32770E-07	403779.5	3770926.0	182.0	0.00	1.70	0.85
YES									
L0001931		0	0.32770E-07	403775.8	3770926.2	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001932	0	0.32770E-07	403772.2	3770926.4	182.0	0.00	1.70	0.85	YES
L0001933	0	0.32770E-07	403768.5	3770926.6	182.0	0.00	1.70	0.85	YES
L0001934	0	0.32770E-07	403764.9	3770926.8	182.0	0.00	1.70	0.85	YES
L0001935	0	0.32770E-07	403761.2	3770927.0	182.0	0.00	1.70	0.85	YES
L0001936	0	0.32770E-07	403757.5	3770927.2	182.0	0.00	1.70	0.85	YES
L0001937	0	0.32770E-07	403753.9	3770927.4	182.0	0.00	1.70	0.85	YES
L0001938	0	0.32770E-07	403750.2	3770927.6	182.0	0.00	1.70	0.85	YES
L0001939	0	0.32770E-07	403746.6	3770927.8	182.0	0.00	1.70	0.85	YES
L0001940	0	0.32770E-07	403742.9	3770928.0	182.0	0.00	1.70	0.85	YES
L0001941	0	0.32770E-07	403739.3	3770928.2	182.0	0.00	1.70	0.85	YES
L0001942	0	0.32770E-07	403735.6	3770928.4	182.0	0.00	1.70	0.85	YES
L0001943	0	0.32770E-07	403732.0	3770928.6	182.0	0.00	1.70	0.85	YES
L0001944	0	0.32770E-07	403728.3	3770928.8	182.0	0.00	1.70	0.85	YES
L0001945	0	0.32770E-07	403724.7	3770929.0	182.0	0.00	1.70	0.85	YES
L0001946	0	0.32770E-07	403721.0	3770929.2	182.0	0.00	1.70	0.85	YES

L0001947	0	0.32770E-07	403717.3	3770929.4	182.0	0.00	1.70	0.85	YES
L0001948	0	0.32770E-07	403713.7	3770929.6	182.0	0.00	1.70	0.85	YES
L0001949	0	0.32770E-07	403710.0	3770929.8	182.0	0.00	1.70	0.85	YES
L0001950	0	0.32770E-07	403706.4	3770930.0	182.0	0.00	1.70	0.85	YES
L0001951	0	0.32770E-07	403702.7	3770930.2	182.0	0.00	1.70	0.85	YES
L0001952	0	0.32770E-07	403699.1	3770930.4	182.0	0.00	1.70	0.85	YES
L0001953	0	0.32770E-07	403695.4	3770930.6	182.0	0.00	1.70	0.85	YES
L0001954	0	0.32770E-07	403691.8	3770930.8	182.0	0.00	1.70	0.85	YES
L0001955	0	0.32770E-07	403688.1	3770931.1	182.0	0.00	1.70	0.85	YES
L0001956	0	0.32770E-07	403684.5	3770931.4	182.0	0.00	1.70	0.85	YES
L0001957	0	0.32770E-07	403680.8	3770931.6	182.0	0.00	1.70	0.85	YES
L0001958	0	0.32770E-07	403677.2	3770931.9	182.0	0.00	1.70	0.85	YES
L0001959	0	0.32770E-07	403673.5	3770932.2	182.0	0.00	1.70	0.85	YES
L0001960	0	0.32770E-07	403669.9	3770932.5	182.0	0.00	1.70	0.85	YES
L0001961	0	0.32770E-07	403666.2	3770932.8	182.0	0.00	1.70	0.85	YES
L0001962	0	0.32770E-07	403662.6	3770933.1	182.0	0.00	1.70	0.85	YES
L0001963	0	0.32770E-07	403658.9	3770933.4	182.0	0.00	1.70	0.85	YES
L0001964	0	0.32770E-07	403655.3	3770933.6	182.0	0.00	1.70	0.85	YES
L0001965	0	0.32770E-07	403651.6	3770933.9	182.0	0.00	1.70	0.85	YES
L0001966	0	0.32770E-07	403648.0	3770934.2	182.0	0.00	1.70	0.85	YES
L0001967	0	0.32770E-07	403644.3	3770934.5	182.0	0.00	1.70	0.85	YES
L0001968	0	0.32770E-07	403640.7	3770934.8	182.0	0.00	1.70	0.85	YES
L0001969	0	0.32770E-07	403637.0	3770935.1	182.0	0.00	1.70	0.85	YES
L0001970	0	0.32770E-07	403633.4	3770935.4	182.0	0.00	1.70	0.85	YES
L0001971	0	0.32770E-07	403629.7	3770935.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001972	0	0.32770E-07	403626.1	3770936.2	182.0	0.00	1.70	0.85	YES	
L0001973	0	0.32770E-07	403622.5	3770936.6	182.0	0.00	1.70	0.85	YES	
L0001974	0	0.32770E-07	403618.8	3770937.1	182.0	0.00	1.70	0.85	YES	
L0001975	0	0.32770E-07	403615.2	3770937.5	182.0	0.00	1.70	0.85	YES	
L0001976	0	0.32770E-07	403611.6	3770938.0	182.0	0.00	1.70	0.85	YES	
L0001977	0	0.32770E-07	403608.0	3770938.5	182.0	0.00	1.70	0.85	YES	
L0001978	0	0.32770E-07	403604.3	3770938.9	182.0	0.00	1.70	0.85	YES	
L0001979	0	0.32770E-07	403600.7	3770939.4	182.0	0.00	1.70	0.85	YES	
L0001980	0	0.32770E-07	403597.1	3770939.8	182.0	0.00	1.70	0.85	YES	
L0001981	0	0.32770E-07	403593.4	3770940.4	182.0	0.00	1.70	0.85	YES	
L0001982	0	0.32770E-07	403589.9	3770941.2	182.0	0.00	1.70	0.85	YES	
L0001983	0	0.32770E-07	403586.3	3770942.0	182.0	0.00	1.70	0.85	YES	
L0001984	0	0.32770E-07	403582.7	3770942.8	182.0	0.00	1.70	0.85	YES	
L0001985	0	0.32770E-07	403579.2	3770943.6	182.0	0.00	1.70	0.85	YES	
L0001986	0	0.32770E-07	403575.6	3770944.4	182.0	0.00	1.70	0.85	YES	

L0001987		0	0.32770E-07	403572.0	3770945.2	182.0	0.00	1.70	0.85
L0001988		0	0.32770E-07	403568.4	3770946.0	182.0	0.00	1.70	0.85
L0001989		0	0.32770E-07	403564.9	3770946.8	182.0	0.00	1.70	0.85
L0001990		0	0.32770E-07	403561.3	3770947.5	182.0	0.00	1.70	0.85
L0001991		0	0.32770E-07	403557.7	3770948.3	182.0	0.00	1.70	0.85
L0001992		0	0.32770E-07	403554.1	3770949.1	182.0	0.00	1.70	0.85
L0001993		0	0.32770E-07	403550.6	3770949.9	182.0	0.00	1.70	0.85
L0001994		0	0.32770E-07	403547.0	3770950.7	182.0	0.00	1.70	0.85
L0001995		0	0.32770E-07	403543.4	3770951.5	182.0	0.00	1.70	0.85
L0001996		0	0.32770E-07	403539.9	3770952.3	182.0	0.00	1.70	0.85
L0001997		0	0.32770E-07	403536.3	3770953.1	182.0	0.00	1.70	0.85
L0001998		0	0.32770E-07	403532.7	3770953.9	182.0	0.00	1.70	0.85
L0001999		0	0.32770E-07	403529.1	3770954.7	182.0	0.00	1.70	0.85
L0002000		0	0.32770E-07	403525.6	3770955.8	182.0	0.00	1.70	0.85
L0002001		0	0.32770E-07	403522.1	3770956.8	182.0	0.00	1.70	0.85
L0002002		0	0.32770E-07	403518.6	3770957.9	182.0	0.00	1.70	0.85
L0002003		0	0.32770E-07	403515.1	3770959.0	182.0	0.00	1.70	0.85
L0002004		0	0.32770E-07	403511.6	3770960.1	182.0	0.00	1.70	0.85
L0002005		0	0.32770E-07	403508.1	3770961.1	182.0	0.00	1.70	0.85
L0002006		0	0.32770E-07	403504.6	3770962.2	182.0	0.00	1.70	0.85
L0002007		0	0.32770E-07	403501.1	3770963.3	182.0	0.00	1.70	0.85
L0002008		0	0.32770E-07	403497.6	3770964.4	182.0	0.00	1.70	0.85
L0002009		0	0.32770E-07	403494.2	3770965.4	182.0	0.00	1.70	0.85
L0002010		0	0.32770E-07	403490.7	3770966.5	182.0	0.00	1.70	0.85
L0002011		0	0.32770E-07	403487.2	3770967.7	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002012	0	0.32770E-07	403483.7	3770968.9	182.0	0.00	1.70	0.85	YES
L0002013	0	0.32770E-07	403480.3	3770970.2	182.0	0.00	1.70	0.85	YES
L0002014	0	0.32770E-07	403476.8	3770971.4	182.0	0.00	1.70	0.85	YES
L0002015	0	0.32770E-07	403473.4	3770972.6	182.0	0.00	1.70	0.85	YES
L0002016	0	0.32770E-07	403469.9	3770973.8	182.0	0.00	1.70	0.85	YES
L0002017	0	0.32770E-07	403466.5	3770975.1	182.0	0.00	1.70	0.85	YES
L0002018	0	0.32770E-07	403463.0	3770976.3	182.0	0.00	1.70	0.85	YES
L0002019	0	0.32770E-07	403459.6	3770977.5	182.0	0.00	1.70	0.85	YES
L0002020	0	0.32770E-07	403456.1	3770978.7	182.0	0.00	1.70	0.85	YES
L0002021	0	0.32770E-07	403452.7	3770980.0	182.0	0.00	1.70	0.85	YES
L0002022	0	0.32770E-07	403449.3	3770981.2	182.0	0.00	1.70	0.85	YES
L0002023	0	0.32770E-07	403445.8	3770982.4	182.0	0.00	1.70	0.85	YES
L0002024	0	0.32770E-07	403442.4	3770983.6	182.0	0.00	1.70	0.85	YES
L0002025	0	0.32770E-07	403438.9	3770984.9	182.0	0.00	1.70	0.85	YES
L0002026	0	0.32770E-07	403435.5	3770986.1	182.0	0.00	1.70	0.85	YES

L0002027	0	0.32770E-07	403432.1	3770987.5	182.0	0.00	1.70	0.85	YES
L0002028	0	0.32770E-07	403428.7	3770989.0	182.0	0.00	1.70	0.85	YES
L0002029	0	0.32770E-07	403425.4	3770990.4	182.0	0.00	1.70	0.85	YES
L0002030	0	0.32770E-07	403422.0	3770991.9	182.0	0.00	1.70	0.85	YES
L0002031	0	0.32770E-07	403418.7	3770993.4	182.0	0.00	1.70	0.85	YES
L0002032	0	0.32770E-07	403415.3	3770994.8	182.0	0.00	1.70	0.85	YES
L0002033	0	0.32770E-07	403412.0	3770996.3	182.0	0.00	1.70	0.85	YES
L0002034	0	0.32770E-07	403408.6	3770997.8	182.0	0.00	1.70	0.85	YES
L0002035	0	0.32770E-07	403405.3	3770999.2	182.0	0.00	1.70	0.85	YES
L0002036	0	0.32770E-07	403401.9	3771000.7	182.0	0.00	1.70	0.85	YES
L0002037	0	0.32770E-07	403398.5	3771002.2	182.0	0.00	1.70	0.85	YES
L0002038	0	0.32770E-07	403395.2	3771003.6	182.0	0.00	1.70	0.85	YES
L0002039	0	0.32770E-07	403391.8	3771005.1	182.0	0.00	1.70	0.85	YES
L0002040	0	0.32770E-07	403388.5	3771006.6	182.0	0.00	1.70	0.85	YES
L0002041	0	0.32770E-07	403385.1	3771008.0	182.0	0.00	1.70	0.85	YES
L0002042	0	0.32770E-07	403381.8	3771009.5	182.0	0.00	1.70	0.85	YES
L0002043	0	0.32770E-07	403378.4	3771011.0	182.0	0.00	1.70	0.85	YES
L0002044	0	0.32770E-07	403375.1	3771012.4	182.0	0.00	1.70	0.85	YES
L0002045	0	0.32770E-07	403371.7	3771013.9	182.0	0.00	1.70	0.85	YES
L0002046	0	0.32770E-07	403368.4	3771015.3	182.0	0.00	1.70	0.85	YES
L0002047	0	0.32770E-07	403365.0	3771016.8	182.0	0.00	1.70	0.85	YES
L0002048	0	0.32770E-07	403361.7	3771018.3	182.0	0.00	1.70	0.85	YES
L0002049	0	0.32770E-07	403358.3	3771019.7	182.0	0.00	1.70	0.85	YES
L0002050	0	0.32770E-07	403354.9	3771021.2	182.0	0.00	1.70	0.85	YES
L0002051	0	0.32770E-07	403351.6	3771022.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002052	0	0.32770E-07	403348.2	3771024.1	182.0	0.00	1.70	0.85	YES	
L0002053	0	0.32770E-07	403344.9	3771025.6	182.0	0.00	1.70	0.85	YES	
L0002054	0	0.32770E-07	403341.5	3771027.1	182.0	0.00	1.70	0.85	YES	
L0002055	0	0.32770E-07	403338.2	3771028.5	182.0	0.00	1.70	0.85	YES	
L0002056	0	0.32770E-07	403334.8	3771030.0	182.0	0.00	1.70	0.85	YES	
L0002057	0	0.32770E-07	403331.5	3771031.5	182.0	0.00	1.70	0.85	YES	
L0002058	0	0.32770E-07	403328.1	3771033.0	182.0	0.00	1.70	0.85	YES	
L0002059	0	0.32770E-07	403324.9	3771034.6	182.0	0.00	1.70	0.85	YES	
L0002060	0	0.32770E-07	403321.6	3771036.3	182.0	0.00	1.70	0.85	YES	
L0002061	0	0.32770E-07	403318.3	3771037.9	182.0	0.00	1.70	0.85	YES	
L0002062	0	0.32770E-07	403315.1	3771039.6	182.0	0.00	1.70	0.85	YES	
L0002063	0	0.32770E-07	403311.8	3771041.2	182.0	0.00	1.70	0.85	YES	
L0002064	0	0.32770E-07	403308.5	3771042.9	182.0	0.00	1.70	0.85	YES	
L0002065	0	0.32770E-07	403305.3	3771044.5	182.0	0.00	1.70	0.85	YES	
L0002066	0	0.32770E-07	403302.0	3771046.2	182.0	0.00	1.70	0.85	YES	

L0002067		0	0.32770E-07	403298.7	3771047.8	182.0	0.00	1.70	0.85
YES									
L0002068		0	0.32770E-07	403295.5	3771049.5	182.0	0.00	1.70	0.85
YES									
L0002069		0	0.32770E-07	403292.2	3771051.1	182.0	0.00	1.70	0.85
YES									
L0002070		0	0.32770E-07	403288.9	3771052.8	182.0	0.00	1.70	0.85
YES									
L0002071		0	0.32770E-07	403285.7	3771054.4	182.0	0.00	1.70	0.85
YES									
L0002072		0	0.32770E-07	403282.4	3771056.1	182.0	0.00	1.70	0.85
YES									
L0002073		0	0.32770E-07	403279.1	3771057.7	182.0	0.00	1.70	0.85
YES									
L0002074		0	0.32770E-07	403275.9	3771059.4	182.0	0.00	1.70	0.85
YES									
L0002075		0	0.32770E-07	403272.6	3771061.0	182.0	0.00	1.70	0.85
YES									
L0002076		0	0.32770E-07	403269.3	3771062.6	182.0	0.00	1.70	0.85
YES									
L0002077		0	0.32770E-07	403266.0	3771064.3	182.0	0.00	1.70	0.85
YES									
L0002078		0	0.32770E-07	403262.8	3771065.9	182.0	0.00	1.70	0.85
YES									
L0002079		0	0.32770E-07	403259.5	3771067.6	182.0	0.00	1.70	0.85
YES									
L0002080		0	0.32770E-07	403256.2	3771069.2	182.0	0.00	1.70	0.85
YES									
L0002081		0	0.32770E-07	403253.0	3771070.9	182.0	0.00	1.70	0.85
YES									
L0002082		0	0.32770E-07	403249.7	3771072.5	182.0	0.00	1.70	0.85
YES									
L0002083		0	0.32770E-07	403246.4	3771074.2	182.0	0.00	1.70	0.85
YES									
L0002084		0	0.32770E-07	403243.2	3771075.8	182.0	0.00	1.70	0.85
YES									
L0002085		0	0.32770E-07	403239.9	3771077.5	182.0	0.00	1.70	0.85
YES									
L0002086		0	0.32770E-07	403236.6	3771079.1	182.0	0.00	1.70	0.85
YES									
L0002087		0	0.32770E-07	403233.4	3771080.8	182.0	0.00	1.70	0.85
YES									
L0002088		0	0.32770E-07	403230.1	3771082.4	182.0	0.00	1.70	0.85
YES									
L0002089		0	0.32770E-07	403226.8	3771084.1	182.0	0.00	1.70	0.85
YES									
L0002090		0	0.32770E-07	403223.6	3771085.7	182.0	0.00	1.70	0.85
YES									
L0002091		0	0.32770E-07	403220.3	3771087.3	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002092	0	0.32770E-07	403217.0	3771089.0	182.0	0.00	1.70	0.85	YES
L0002093	0	0.32770E-07	403213.8	3771090.6	182.0	0.00	1.70	0.85	YES
L0002094	0	0.32770E-07	403210.5	3771092.3	182.0	0.00	1.70	0.85	YES
L0002095	0	0.32770E-07	403207.2	3771093.9	182.0	0.00	1.70	0.85	YES
L0002096	0	0.32770E-07	403203.9	3771095.6	182.0	0.00	1.70	0.85	YES
L0002097	0	0.32770E-07	403200.7	3771097.2	182.0	0.00	1.70	0.85	YES
L0002098	0	0.32770E-07	403197.4	3771098.9	182.0	0.00	1.70	0.85	YES
L0002099	0	0.32770E-07	403194.1	3771100.5	182.0	0.00	1.70	0.85	YES
L0002100	0	0.32770E-07	403190.9	3771102.2	182.0	0.00	1.70	0.85	YES
L0002101	0	0.32770E-07	403187.6	3771103.8	182.0	0.00	1.70	0.85	YES
L0002102	0	0.32770E-07	403184.3	3771105.5	182.0	0.00	1.70	0.85	YES
L0002103	0	0.32770E-07	403181.1	3771107.1	182.0	0.00	1.70	0.85	YES
L0002104	0	0.32770E-07	403177.8	3771108.8	182.0	0.00	1.70	0.85	YES
L0002105	0	0.32770E-07	403174.5	3771110.4	182.0	0.00	1.70	0.85	YES
L0002106	0	0.32770E-07	403171.3	3771112.1	182.0	0.00	1.70	0.85	YES

L0002107		0	0.32770E-07	403168.0	3771113.7	182.0	0.00	1.70	0.85
L0002108		0	0.32770E-07	403164.7	3771115.3	182.0	0.00	1.70	0.85
L0002109		0	0.32770E-07	403161.5	3771117.0	182.0	0.00	1.70	0.85
L0002110		0	0.32770E-07	403158.2	3771118.6	182.0	0.00	1.70	0.85
L0002111		0	0.32770E-07	403154.9	3771120.3	182.0	0.00	1.70	0.85
L0002112		0	0.32770E-07	403151.6	3771121.9	182.0	0.00	1.70	0.85
L0002113		0	0.32770E-07	403148.4	3771123.6	182.0	0.00	1.70	0.85
L0002114		0	0.32770E-07	403145.1	3771125.2	182.0	0.00	1.70	0.85
L0002115		0	0.32770E-07	403141.8	3771126.9	182.0	0.00	1.70	0.85
L0002116		0	0.32770E-07	403138.6	3771128.5	182.0	0.00	1.70	0.85
L0002117		0	0.32770E-07	403135.3	3771130.2	182.0	0.00	1.70	0.85
L0002118		0	0.32770E-07	403132.0	3771131.8	182.0	0.00	1.70	0.85
L0002119		0	0.32770E-07	403128.8	3771133.5	182.0	0.00	1.70	0.85
L0002120		0	0.32770E-07	403125.5	3771135.1	182.0	0.00	1.70	0.85
L0002121		0	0.32770E-07	403122.2	3771136.8	182.0	0.00	1.70	0.85
L0002122		0	0.32770E-07	403119.0	3771138.4	182.0	0.00	1.70	0.85
L0002123		0	0.32770E-07	403115.7	3771140.0	182.0	0.00	1.70	0.85
L0002124		0	0.32770E-07	403112.4	3771141.7	182.0	0.00	1.70	0.85
L0002125		0	0.32770E-07	403109.2	3771143.3	182.0	0.00	1.70	0.85
L0002126		0	0.32770E-07	403105.9	3771145.0	182.0	0.00	1.70	0.85
L0002127		0	0.32770E-07	403102.6	3771146.6	182.0	0.00	1.70	0.85
L0002128		0	0.32770E-07	403099.3	3771148.3	182.0	0.00	1.70	0.85
L0002129		0	0.32770E-07	403096.1	3771149.9	182.0	0.00	1.70	0.85
L0002130		0	0.32770E-07	403092.8	3771151.6	182.0	0.00	1.70	0.85
L0002131		0	0.32770E-07	403089.5	3771153.2	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002132	0	0.32770E-07	403086.3	3771154.9	182.0	0.00	1.70	0.85	YES
L0002133	0	0.32770E-07	403083.0	3771156.5	182.0	0.00	1.70	0.85	YES
L0002134	0	0.32770E-07	403079.7	3771158.2	182.0	0.00	1.70	0.85	YES
L0002135	0	0.32770E-07	403076.5	3771159.8	182.0	0.00	1.70	0.85	YES
L0002136	0	0.32770E-07	403073.2	3771161.5	182.0	0.00	1.70	0.85	YES
L0002137	0	0.32770E-07	403069.9	3771163.1	182.0	0.00	1.70	0.85	YES
L0002138	0	0.32770E-07	403066.7	3771164.7	182.0	0.00	1.70	0.85	YES
L0002139	0	0.32770E-07	403063.4	3771166.4	182.0	0.00	1.70	0.85	YES
L0002140	0	0.32770E-07	403060.1	3771168.0	182.0	0.00	1.70	0.85	YES
L0002141	0	0.32770E-07	403056.9	3771169.7	182.0	0.00	1.70	0.85	YES
L0002142	0	0.32770E-07	403053.6	3771171.3	182.0	0.00	1.70	0.85	YES
L0002143	0	0.32770E-07	403050.3	3771173.0	182.0	0.00	1.70	0.85	YES
L0002144	0	0.32770E-07	403047.1	3771174.6	182.0	0.00	1.70	0.85	YES
L0002145	0	0.32770E-07	403043.8	3771176.3	182.0	0.00	1.70	0.85	YES
L0002146	0	0.32770E-07	403040.5	3771177.9	182.0	0.00	1.70	0.85	YES

L0002147		0	0.32770E-07	403037.2	3771179.6	182.0	0.00	1.70	0.85
L0002148		0	0.32770E-07	403034.0	3771181.2	182.0	0.00	1.70	0.85
L0002149		0	0.32770E-07	403030.7	3771182.9	182.0	0.00	1.70	0.85
L0002150		0	0.32770E-07	403027.4	3771184.5	182.0	0.00	1.70	0.85
L0002151		0	0.32770E-07	403024.2	3771186.2	182.0	0.00	1.70	0.85
L0002152		0	0.32770E-07	403020.9	3771187.8	182.0	0.00	1.70	0.85
L0002153		0	0.32770E-07	403017.6	3771189.5	182.0	0.00	1.70	0.85
L0002154		0	0.32770E-07	403014.4	3771191.1	182.0	0.00	1.70	0.85
L0002155		0	0.32770E-07	403011.1	3771192.7	182.0	0.00	1.70	0.85
L0002156		0	0.32770E-07	403007.8	3771194.4	182.0	0.00	1.70	0.85
L0002157		0	0.32770E-07	403004.6	3771196.0	182.0	0.00	1.70	0.85
L0002158		0	0.32770E-07	403001.3	3771197.7	182.0	0.00	1.70	0.85
L0002159		0	0.32770E-07	402998.0	3771199.3	182.0	0.00	1.70	0.85
L0002160		0	0.32770E-07	402994.8	3771201.0	182.0	0.00	1.70	0.85
L0002161		0	0.32770E-07	402991.5	3771202.6	182.0	0.00	1.70	0.85
L0002162		0	0.32770E-07	402988.2	3771204.3	182.0	0.00	1.70	0.85
L0002163		0	0.32770E-07	402985.0	3771205.9	182.0	0.00	1.70	0.85
L0002164		0	0.32770E-07	402981.7	3771207.6	182.0	0.00	1.70	0.85
L0002165		0	0.32770E-07	402978.4	3771209.2	182.0	0.00	1.70	0.85
L0002166		0	0.32770E-07	402975.1	3771210.9	182.0	0.00	1.70	0.85
L0002167		0	0.32770E-07	402971.9	3771212.5	182.0	0.00	1.70	0.85
L0002168		0	0.32770E-07	402968.6	3771214.2	182.0	0.00	1.70	0.85
L0002169		0	0.32770E-07	402965.3	3771215.8	182.0	0.00	1.70	0.85
L0002170		0	0.32770E-07	402962.1	3771217.4	182.0	0.00	1.70	0.85
L0002171		0	0.32770E-07	402958.8	3771219.1	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002172	0	0.32770E-07	402955.5	3771220.7	182.0	0.00	1.70	0.85	YES
L0002173	0	0.32770E-07	402952.3	3771222.4	182.0	0.00	1.70	0.85	YES
L0002174	0	0.32770E-07	402949.0	3771224.0	182.0	0.00	1.70	0.85	YES
L0002175	0	0.32770E-07	402945.7	3771225.7	182.0	0.00	1.70	0.85	YES
L0002176	0	0.32770E-07	402942.5	3771227.3	182.0	0.00	1.70	0.85	YES
L0002177	0	0.32770E-07	402939.2	3771229.0	182.0	0.00	1.70	0.85	YES
L0002178	0	0.32770E-07	402936.1	3771230.2	182.0	0.00	1.70	0.85	YES
L0002179	0	0.32770E-07	402935.0	3771226.7	182.0	0.00	1.70	0.85	YES
L0002180	0	0.32770E-07	402934.0	3771223.2	182.0	0.00	1.70	0.85	YES
L0002181	0	0.32770E-07	402932.9	3771219.7	182.0	0.00	1.70	0.85	YES
L0002182	0	0.32770E-07	402931.8	3771216.2	182.0	0.00	1.70	0.85	YES
L0002183	0	0.32770E-07	402930.7	3771212.7	182.0	0.00	1.70	0.85	YES
L0002184	0	0.32770E-07	402929.6	3771209.2	182.0	0.00	1.70	0.85	YES
L0002185	0	0.32770E-07	402928.6	3771205.7	182.0	0.00	1.70	0.85	YES
L0002186	0	0.32770E-07	402927.5	3771202.2	182.0	0.00	1.70	0.85	YES

L0002187		0	0.32770E-07	402926.4	3771198.7	182.0	0.00	1.70	0.85
YES									
L0002188		0	0.32770E-07	402925.3	3771195.2	182.0	0.00	1.70	0.85
YES									
L0002189		0	0.32770E-07	402924.3	3771191.7	182.0	0.00	1.70	0.85
YES									
L0002190		0	0.32770E-07	402923.2	3771188.2	182.0	0.00	1.70	0.85
YES									
L0002191		0	0.32770E-07	402922.1	3771184.7	182.0	0.00	1.70	0.85
YES									
L0002192		0	0.32770E-07	402921.0	3771181.2	182.0	0.00	1.70	0.85
YES									
L0002193		0	0.32770E-07	402919.9	3771177.7	182.0	0.00	1.70	0.85
YES									
L0002194		0	0.32770E-07	402918.9	3771174.2	182.0	0.00	1.70	0.85
YES									
L0002195		0	0.32770E-07	402917.8	3771170.7	182.0	0.00	1.70	0.85
YES									
L0002196		0	0.32770E-07	402916.7	3771167.2	182.0	0.00	1.70	0.85
YES									
L0002197		0	0.32770E-07	402915.6	3771163.7	182.0	0.00	1.70	0.85
YES									
L0002198		0	0.32770E-07	402914.6	3771160.2	182.0	0.00	1.70	0.85
YES									
L0002199		0	0.32770E-07	402913.6	3771156.7	182.0	0.00	1.70	0.85
YES									
L0002200		0	0.32770E-07	402912.5	3771153.2	182.0	0.00	1.70	0.85
YES									
L0002201		0	0.32770E-07	402911.5	3771149.7	182.0	0.00	1.70	0.85
YES									
L0002202		0	0.32770E-07	402910.4	3771146.2	182.0	0.00	1.70	0.85
YES									
L0002203		0	0.32770E-07	402909.4	3771142.6	182.0	0.00	1.70	0.85
YES									
L0002204		0	0.32770E-07	402908.3	3771139.1	182.0	0.00	1.70	0.85
YES									
L0002205		0	0.32770E-07	402907.3	3771135.6	182.0	0.00	1.70	0.85
YES									
L0002206		0	0.32770E-07	402906.2	3771132.1	182.0	0.00	1.70	0.85
YES									
L0002207		0	0.32770E-07	402905.2	3771128.6	182.0	0.00	1.70	0.85
YES									
L0002208		0	0.32770E-07	402904.2	3771125.1	182.0	0.00	1.70	0.85
YES									
L0002209		0	0.32770E-07	402903.1	3771121.6	182.0	0.00	1.70	0.85
YES									
L0002210		0	0.32770E-07	402902.1	3771118.1	182.0	0.00	1.70	0.85
YES									
L0002211		0	0.32770E-07	402901.0	3771114.6	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002212	0	0.32770E-07	402900.0	3771111.1	182.0	0.00	1.70	0.85	YES	
L0002213	0	0.32770E-07	402898.9	3771107.6	182.0	0.00	1.70	0.85	YES	
L0002214	0	0.32770E-07	402897.9	3771104.1	182.0	0.00	1.70	0.85	YES	
L0002215	0	0.32770E-07	402896.8	3771100.6	182.0	0.00	1.70	0.85	YES	
L0002216	0	0.32770E-07	402895.8	3771097.0	182.0	0.00	1.70	0.85	YES	
L0002217	0	0.32770E-07	402894.8	3771093.5	182.0	0.00	1.70	0.85	YES	
L0002218	0	0.32770E-07	402893.7	3771090.0	182.0	0.00	1.70	0.85	YES	
L0002219	0	0.32770E-07	402892.7	3771086.5	182.0	0.00	1.70	0.85	YES	
L0002220	0	0.32770E-07	402891.6	3771083.0	182.0	0.00	1.70	0.85	YES	
L0002221	0	0.32770E-07	402890.6	3771079.5	182.0	0.00	1.70	0.85	YES	
L0002222	0	0.32770E-07	402889.5	3771076.0	182.0	0.00	1.70	0.85	YES	
L0002223	0	0.32770E-07	402888.5	3771072.5	182.0	0.00	1.70	0.85	YES	
L0002224	0	0.32770E-07	402887.5	3771069.0	182.0	0.00	1.70	0.85	YES	
L0002225	0	0.32770E-07	402886.4	3771065.5	182.0	0.00	1.70	0.85	YES	
L0002226	0	0.32770E-07	402885.4	3771062.0	182.0	0.00	1.70	0.85	YES	

L0002227		0	0.32770E-07	402884.3	3771058.5	182.0	0.00	1.70	0.85
L0002228		0	0.32770E-07	402883.3	3771054.9	182.0	0.00	1.70	0.85
L0002229		0	0.32770E-07	402882.2	3771051.4	182.0	0.00	1.70	0.85
L0002230		0	0.32770E-07	402881.2	3771047.9	182.0	0.00	1.70	0.85
L0002231		0	0.32770E-07	402880.1	3771044.4	182.0	0.00	1.70	0.85
L0002232		0	0.32770E-07	402879.1	3771040.9	182.0	0.00	1.70	0.85
L0002233		0	0.32770E-07	402878.1	3771037.4	182.0	0.00	1.70	0.85
L0002234		0	0.32770E-07	402877.0	3771033.9	182.0	0.00	1.70	0.85
L0002235		0	0.32770E-07	402876.0	3771030.4	182.0	0.00	1.70	0.85
L0002236		0	0.32770E-07	402874.9	3771026.9	182.0	0.00	1.70	0.85
L0002237		0	0.32770E-07	402873.9	3771023.4	182.0	0.00	1.70	0.85
L0002238		0	0.32770E-07	402872.8	3771019.9	182.0	0.00	1.70	0.85
L0002239		0	0.32770E-07	402871.8	3771016.4	182.0	0.00	1.70	0.85
L0002240		0	0.32770E-07	402871.0	3771012.8	182.0	0.00	1.70	0.85
L0002241		0	0.32770E-07	402870.1	3771009.2	182.0	0.00	1.70	0.85
L0002242		0	0.32770E-07	402869.3	3771005.7	182.0	0.00	1.70	0.85
L0002243		0	0.32770E-07	402868.4	3771002.1	182.0	0.00	1.70	0.85
L0002244		0	0.32770E-07	402867.5	3770998.6	182.0	0.00	1.70	0.85
L0002245		0	0.32770E-07	402866.7	3770995.0	182.0	0.00	1.70	0.85
L0002246		0	0.32770E-07	402865.8	3770991.4	182.0	0.00	1.70	0.85
L0002247		0	0.32770E-07	402865.0	3770987.9	182.0	0.00	1.70	0.85
L0002248		0	0.32770E-07	402864.1	3770984.3	182.0	0.00	1.70	0.85
L0002249		0	0.32770E-07	402863.3	3770980.8	182.0	0.00	1.70	0.85
L0002250		0	0.32770E-07	402862.4	3770977.2	182.0	0.00	1.70	0.85
L0002251		0	0.32770E-07	402861.6	3770973.6	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002252	0	0.32770E-07	402860.7	3770970.1	182.0	0.00	1.70	0.85	YES	
L0002253	0	0.32770E-07	402859.9	3770966.5	182.0	0.00	1.70	0.85	YES	
L0002254	0	0.32770E-07	402859.0	3770963.0	182.0	0.00	1.70	0.85	YES	
L0002255	0	0.32770E-07	402858.2	3770959.4	182.0	0.00	1.70	0.85	YES	
L0002256	0	0.32770E-07	402857.3	3770955.9	182.0	0.00	1.70	0.85	YES	
L0002257	0	0.32770E-07	402856.5	3770952.3	182.0	0.00	1.70	0.85	YES	
L0002258	0	0.32770E-07	402856.1	3770948.6	182.0	0.00	1.70	0.85	YES	
L0002259	0	0.32770E-07	402855.8	3770945.0	182.0	0.00	1.70	0.85	YES	
L0002260	0	0.32770E-07	402855.5	3770941.4	182.0	0.00	1.70	0.85	YES	
L0002261	0	0.32770E-07	402855.1	3770937.7	182.0	0.00	1.70	0.85	YES	
L0002262	0	0.32770E-07	402854.8	3770934.1	182.0	0.00	1.70	0.85	YES	
L0002263	0	0.32770E-07	402854.4	3770930.4	182.0	0.00	1.70	0.85	YES	
L0002264	0	0.32770E-07	402854.1	3770926.8	182.0	0.00	1.70	0.85	YES	
L0002265	0	0.32770E-07	402853.7	3770923.1	182.0	0.00	1.70	0.85	YES	
L0002266	0	0.32770E-07	402853.4	3770919.5	182.0	0.00	1.70	0.85	YES	

L0002267	0	0.32770E-07	402853.1	3770915.8	182.0	0.00	1.70	0.85	YES
L0002268	0	0.32770E-07	402852.9	3770912.2	182.0	0.00	1.70	0.85	YES
L0002269	0	0.32770E-07	402852.8	3770908.5	182.0	0.00	1.70	0.85	YES
L0002270	0	0.32770E-07	402852.6	3770904.9	182.0	0.00	1.70	0.85	YES
L0002271	0	0.32770E-07	402852.5	3770901.2	182.0	0.00	1.70	0.85	YES
L0002272	0	0.32770E-07	402852.4	3770897.6	182.0	0.00	1.70	0.85	YES
L0002273	0	0.32770E-07	402852.3	3770893.9	182.0	0.00	1.70	0.85	YES
L0002274	0	0.32770E-07	402852.2	3770890.2	182.0	0.00	1.70	0.85	YES
L0002275	0	0.32770E-07	402852.1	3770886.6	182.0	0.00	1.70	0.85	YES
L0002276	0	0.32770E-07	402852.1	3770882.9	182.0	0.00	1.70	0.85	YES
L0002277	0	0.32770E-07	402852.1	3770879.3	182.0	0.00	1.70	0.85	YES
L0002278	0	0.32770E-07	402852.1	3770875.6	182.0	0.00	1.70	0.85	YES
L0002279	0	0.32770E-07	402852.1	3770871.9	182.0	0.00	1.70	0.85	YES
L0002280	0	0.32770E-07	402852.1	3770868.3	182.0	0.00	1.70	0.85	YES
L0002281	0	0.32770E-07	402852.1	3770864.6	182.0	0.00	1.70	0.85	YES
L0002282	0	0.32770E-07	402852.1	3770861.0	182.0	0.00	1.70	0.85	YES
L0002283	0	0.32770E-07	402852.1	3770857.3	182.0	0.00	1.70	0.85	YES
L0002284	0	0.32770E-07	402852.2	3770853.6	182.0	0.00	1.70	0.85	YES
L0002285	0	0.32770E-07	402852.2	3770850.0	182.0	0.00	1.70	0.85	YES
L0002286	0	0.32770E-07	402852.2	3770846.3	182.0	0.00	1.70	0.85	YES
L0002287	0	0.32770E-07	402852.2	3770842.7	182.0	0.00	1.70	0.85	YES
L0002288	0	0.32770E-07	402852.2	3770839.0	182.0	0.00	1.70	0.85	YES
L0002289	0	0.32770E-07	402852.2	3770835.3	182.0	0.00	1.70	0.85	YES
L0002290	0	0.32770E-07	402852.2	3770831.7	182.0	0.00	1.70	0.85	YES
L0002291	0	0.32770E-07	402852.2	3770828.0	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002292	0	0.32770E-07	402852.2	3770824.4	182.0	0.00	1.70	0.85	YES	
L0002293	0	0.32770E-07	402852.3	3770820.7	182.0	0.00	1.70	0.85	YES	
L0002294	0	0.32770E-07	402852.3	3770817.0	182.0	0.00	1.70	0.85	YES	
L0002295	0	0.32770E-07	402852.3	3770813.4	182.0	0.00	1.70	0.85	YES	
L0002296	0	0.32770E-07	402852.3	3770809.7	182.0	0.00	1.70	0.85	YES	
L0002297	0	0.32770E-07	402852.3	3770806.1	182.0	0.00	1.70	0.85	YES	
L0002298	0	0.32770E-07	402852.3	3770802.4	182.0	0.00	1.70	0.85	YES	
L0002299	0	0.32770E-07	402852.3	3770798.7	182.0	0.00	1.70	0.85	YES	
L0002300	0	0.32770E-07	402852.3	3770795.1	182.0	0.00	1.70	0.85	YES	
L0002301	0	0.32770E-07	402852.3	3770791.4	182.0	0.00	1.70	0.85	YES	
L0002302	0	0.32770E-07	402852.4	3770787.8	182.0	0.00	1.70	0.85	YES	
L0002303	0	0.32770E-07	402852.4	3770784.1	182.0	0.00	1.70	0.85	YES	
L0002304	0	0.32770E-07	402852.4	3770780.4	182.0	0.00	1.70	0.85	YES	
L0002305	0	0.32770E-07	402852.4	3770776.8	182.0	0.00	1.70	0.85	YES	
L0002306	0	0.32770E-07	402852.4	3770773.1	182.0	0.00	1.70	0.85	YES	

L0002307		0	0.32770E-07	402852.4	3770769.5	182.0	0.00	1.70	0.85
YES									
L0002308		0	0.32770E-07	402852.4	3770765.8	182.0	0.00	1.70	0.85
YES									
L0002309		0	0.32770E-07	402852.4	3770762.1	182.0	0.00	1.70	0.85
YES									
L0002310		0	0.32770E-07	402852.4	3770758.5	182.0	0.00	1.70	0.85
YES									
L0002311		0	0.32770E-07	402852.5	3770754.8	182.0	0.00	1.70	0.85
YES									
L0002312		0	0.32770E-07	402852.5	3770751.2	182.0	0.00	1.70	0.85
YES									
L0002313		0	0.32770E-07	402852.5	3770747.5	182.0	0.00	1.70	0.85
YES									
L0002314		0	0.32770E-07	402852.5	3770743.8	182.0	0.00	1.70	0.85
YES									
L0002315		0	0.32770E-07	402852.5	3770740.2	182.0	0.00	1.70	0.85
YES									
L0002316		0	0.32770E-07	402852.5	3770736.5	182.0	0.00	1.70	0.85
YES									
L0002317		0	0.32770E-07	402852.5	3770732.9	182.0	0.00	1.70	0.85
YES									
L0002318		0	0.32770E-07	402852.5	3770729.2	182.0	0.00	1.70	0.85
YES									
L0002319		0	0.32770E-07	402852.5	3770725.5	182.0	0.00	1.70	0.85
YES									
L0002320		0	0.32770E-07	402852.6	3770721.9	182.0	0.00	1.70	0.85
YES									
L0002321		0	0.32770E-07	402852.6	3770718.2	182.0	0.00	1.70	0.85
YES									
L0002322		0	0.32770E-07	402852.6	3770714.6	182.0	0.00	1.70	0.85
YES									
L0002323		0	0.32770E-07	402852.6	3770710.9	182.0	0.00	1.70	0.85
YES									
L0002324		0	0.32770E-07	402852.6	3770707.2	182.0	0.00	1.70	0.85
YES									
L0002325		0	0.32770E-07	402852.6	3770703.6	182.0	0.00	1.70	0.85
YES									
L0002326		0	0.32770E-07	402852.6	3770699.9	182.0	0.00	1.70	0.85
YES									
L0002327		0	0.32770E-07	402852.6	3770696.3	182.0	0.00	1.70	0.85
YES									
L0002328		0	0.32770E-07	402852.6	3770692.6	182.0	0.00	1.70	0.85
YES									
L0002329		0	0.32770E-07	402852.7	3770688.9	182.0	0.00	1.70	0.85
YES									
L0002330		0	0.32770E-07	402852.7	3770685.3	182.0	0.00	1.70	0.85
YES									
L0002331		0	0.32770E-07	402852.8	3770681.6	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

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L0002332	0	0.32770E-07	402852.9	3770678.0	182.0	0.00	1.70	0.85	YES
L0002333	0	0.32770E-07	402853.0	3770674.3	182.0	0.00	1.70	0.85	YES
L0002334	0	0.32770E-07	402853.0	3770670.7	182.0	0.00	1.70	0.85	YES
L0002335	0	0.32770E-07	402853.1	3770667.0	182.0	0.00	1.70	0.85	YES
L0002336	0	0.32770E-07	402853.2	3770663.3	182.0	0.00	1.70	0.85	YES
L0002337	0	0.32770E-07	402853.2	3770659.7	182.0	0.00	1.70	0.85	YES
L0002338	0	0.32770E-07	402853.3	3770656.0	182.0	0.00	1.70	0.85	YES
L0002339	0	0.32770E-07	402853.4	3770652.4	182.0	0.00	1.70	0.85	YES
L0002340	0	0.32770E-07	402853.4	3770648.7	182.0	0.00	1.70	0.85	YES
L0002341	0	0.32770E-07	402853.5	3770645.0	182.0	0.00	1.70	0.85	YES
L0002342	0	0.32770E-07	402853.6	3770641.4	182.0	0.00	1.70	0.85	YES
L0002343	0	0.32770E-07	402853.6	3770637.7	182.0	0.00	1.70	0.85	YES
L0002344	0	0.32770E-07	402853.7	3770634.1	182.0	0.00	1.70	0.85	YES
L0002345	0	0.32770E-07	402853.8	3770630.4	182.0	0.00	1.70	0.85	YES
L0002346	0	0.32770E-07	402853.8	3770626.7	182.0	0.00	1.70	0.85	YES

L0002347	0	0.32770E-07	402853.9	3770623.1	182.0	0.00	1.70	0.85	YES
L0002348	0	0.32770E-07	402854.0	3770619.4	182.0	0.00	1.70	0.85	YES
L0002349	0	0.32770E-07	402854.1	3770615.8	182.0	0.00	1.70	0.85	YES
L0002350	0	0.32770E-07	402854.1	3770612.1	182.0	0.00	1.70	0.85	YES
L0002351	0	0.32770E-07	402854.2	3770608.4	182.0	0.00	1.70	0.85	YES
L0002352	0	0.32770E-07	402854.3	3770604.8	182.0	0.00	1.70	0.85	YES
L0002353	0	0.32770E-07	402854.3	3770601.1	182.0	0.00	1.70	0.85	YES
L0002354	0	0.32770E-07	402854.4	3770597.5	182.0	0.00	1.70	0.85	YES
L0002355	0	0.32770E-07	402854.5	3770593.8	182.0	0.00	1.70	0.85	YES
L0002356	0	0.32770E-07	402854.5	3770590.1	182.0	0.00	1.70	0.85	YES
L0002357	0	0.32770E-07	402854.6	3770586.5	182.0	0.00	1.70	0.85	YES
L0002358	0	0.32770E-07	402854.7	3770582.8	182.0	0.00	1.70	0.85	YES
L0002359	0	0.32770E-07	402854.7	3770579.2	182.0	0.00	1.70	0.85	YES
L0002360	0	0.32770E-07	402854.8	3770575.5	182.0	0.00	1.70	0.85	YES
L0002361	0	0.32770E-07	402854.9	3770571.8	182.0	0.00	1.70	0.85	YES
L0002362	0	0.32770E-07	402854.9	3770568.2	182.0	0.00	1.70	0.85	YES
L0002363	0	0.32770E-07	402855.0	3770564.5	182.0	0.00	1.70	0.85	YES
L0002364	0	0.32770E-07	402855.1	3770560.9	182.0	0.00	1.70	0.85	YES
L0002365	0	0.32770E-07	402855.1	3770557.2	182.0	0.00	1.70	0.85	YES
L0002366	0	0.32770E-07	402855.2	3770553.6	182.0	0.00	1.70	0.85	YES
L0002367	0	0.32770E-07	402855.3	3770549.9	182.0	0.00	1.70	0.85	YES
L0002368	0	0.32770E-07	402855.4	3770546.2	182.0	0.00	1.70	0.85	YES
L0002369	0	0.32770E-07	402855.4	3770542.6	182.0	0.00	1.70	0.85	YES
L0002370	0	0.32770E-07	402855.5	3770538.9	182.0	0.00	1.70	0.85	YES
L0002371	0	0.32770E-07	402855.6	3770535.3	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002372	0	0.32770E-07	402855.6	3770531.6	182.0	0.00	1.70	0.85	YES
L0002373	0	0.32770E-07	402855.7	3770527.9	182.0	0.00	1.70	0.85	YES
L0002374	0	0.32770E-07	402855.8	3770524.3	182.0	0.00	1.70	0.85	YES
L0002375	0	0.32770E-07	402855.8	3770520.6	182.0	0.00	1.70	0.85	YES
L0002376	0	0.32770E-07	402855.9	3770517.0	182.0	0.00	1.70	0.85	YES
L0002377	0	0.32770E-07	402856.0	3770513.3	182.0	0.00	1.70	0.85	YES
L0002378	0	0.32770E-07	402856.0	3770509.6	182.0	0.00	1.70	0.85	YES
L0002379	0	0.32770E-07	402856.1	3770506.0	182.0	0.00	1.70	0.85	YES
L0002380	0	0.32770E-07	402856.2	3770502.3	182.0	0.00	1.70	0.85	YES
L0002381	0	0.32770E-07	402856.2	3770498.7	182.0	0.00	1.70	0.85	YES
L0002382	0	0.32770E-07	402856.3	3770495.0	182.0	0.00	1.70	0.85	YES
L0002383	0	0.32770E-07	402856.4	3770491.3	182.0	0.00	1.70	0.85	YES
L0002384	0	0.32770E-07	402856.5	3770487.7	182.0	0.00	1.70	0.85	YES
L0002385	0	0.32770E-07	402856.5	3770484.0	182.0	0.00	1.70	0.85	YES
L0002386	0	0.32770E-07	402856.6	3770480.4	182.0	0.00	1.70	0.85	YES

L0002387		0	0.32770E-07	402856.7	3770476.7	182.0	0.00	1.70	0.85
YES									
L0002388		0	0.32770E-07	402856.7	3770473.0	182.0	0.00	1.70	0.85
YES									
L0002389		0	0.32770E-07	402856.8	3770469.4	182.0	0.00	1.70	0.85
YES									
L0002390		0	0.32770E-07	402856.9	3770465.7	182.0	0.00	1.70	0.85
YES									
L0002391		0	0.32770E-07	402856.9	3770462.1	182.0	0.00	1.70	0.85
YES									
L0002392		0	0.32770E-07	402857.0	3770458.4	182.0	0.00	1.70	0.85
YES									
L0002393		0	0.32770E-07	402857.1	3770454.8	182.0	0.00	1.70	0.85
YES									
L0002394		0	0.32770E-07	402857.1	3770451.1	182.0	0.00	1.70	0.85
YES									
L0002395		0	0.32770E-07	402857.2	3770447.4	182.0	0.00	1.70	0.85
YES									
L0002396		0	0.32770E-07	402857.3	3770443.8	182.0	0.00	1.70	0.85
YES									
L0002397		0	0.32770E-07	402857.3	3770440.1	182.0	0.00	1.70	0.85
YES									
L0002398		0	0.32770E-07	402857.4	3770436.5	182.0	0.00	1.70	0.85
YES									
L0002399		0	0.32770E-07	402857.5	3770432.8	182.0	0.00	1.70	0.85
YES									
L0002400		0	0.32770E-07	402857.6	3770429.1	182.0	0.00	1.70	0.85
YES									
L0002401		0	0.32770E-07	402857.6	3770425.5	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
DIESEL	STCK1 , STCK2 , L0001812 , L0001813 , L0001814 , L0001815 , L0001816 , L0001817 ,
	L0001818 , L0001819 , L0001820 , L0001821 , L0001822 , L0001823 , L0001824 , L0001825 ,
	L0001826 , L0001827 , L0001828 , L0001829 , L0001830 , L0001831 , L0001832 , L0001833 ,
	L0001834 , L0001835 , L0001836 , L0001837 , L0001838 , L0001839 , L0001840 , L0001841 ,
	L0001842 , L0001843 , L0001844 , L0001845 , L0001846 , L0001847 , L0001848 , L0001849 ,
	L0001850 , L0001851 , L0001852 , L0001853 , L0001854 , L0001855 , L0001856 , L0001857 ,
	L0001858 , L0001859 , L0001860 , L0001861 , L0001862 , L0001863 , L0001864 , L0001865 ,
	L0001866 , L0001867 , L0001868 , L0001869 , L0001870 , L0001871 , L0001872 , L0001873 ,
	L0001874 , L0001875 , L0001876 , L0001877 , L0001878 , L0001879 , L0001880 , L0001881 ,
	L0001882 , L0001883 , L0001884 , L0001885 , L0001886 , L0001887 , L0001888 , L0001889 ,
	L0001890 , L0001891 , L0001892 , L0001893 , L0001894 , L0001895 , L0001896 , L0001897 ,
	L0001898 , L0001899 , L0001900 , L0001901 , L0001902 , L0001903 , L0001904 , L0001905 ,

L0001906 , L0001907 , L0001908 , L0001909 ,
L0001910 , L0001911 , L0001912 , L0001913 ,

L0001914 , L0001915 , L0001916 , L0001917 ,
L0001918 , L0001919 , L0001920 , L0001921 ,

L0001922 , L0001923 , L0001924 , L0001925 ,
L0001926 , L0001927 , L0001928 , L0001929 ,

L0001930 , L0001931 , L0001932 , L0001933 ,
L0001934 , L0001935 , L0001936 , L0001937 ,

L0001938 , L0001939 , L0001940 , L0001941 ,
L0001942 , L0001943 , L0001944 , L0001945 ,

L0001946 , L0001947 , L0001948 , L0001949 ,
L0001950 , L0001951 , L0001952 , L0001953 ,

L0001954 , L0001955 , L0001956 , L0001957 ,
L0001958 , L0001959 , L0001960 , L0001961 ,

L0001962 , L0001963 , L0001964 , L0001965 ,
L0001966 , L0001967 , L0001968 , L0001969 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs				
	L0001970	L0001971	L0001972	L0001973	L0001974
	L0001975	L0001976	L0001977		
	L0001978	L0001979	L0001980	L0001981	L0001982
	L0001983	L0001984	L0001985		
	L0001986	L0001987	L0001988	L0001989	L0001990
	L0001991	L0001992	L0001993		
	L0001994	L0001995	L0001996	L0001997	L0001998
	L0001999	L0002000	L0002001		
	L0002002	L0002003	L0002004	L0002005	L0002006
	L0002007	L0002008	L0002009		
	L0002010	L0002011	L0002012	L0002013	L0002014
	L0002015	L0002016	L0002017		
	L0002018	L0002019	L0002020	L0002021	L0002022
	L0002023	L0002024	L0002025		
	L0002026	L0002027	L0002028	L0002029	L0002030
	L0002031	L0002032	L0002033		
	L0002034	L0002035	L0002036	L0002037	L0002038
	L0002039	L0002040	L0002041		
	L0002042	L0002043	L0002044	L0002045	L0002046
	L0002047	L0002048	L0002049		
	L0002050	L0002051	L0002052	L0002053	L0002054
	L0002055	L0002056	L0002057		
	L0002058	L0002059	L0002060	L0002061	L0002062
	L0002063	L0002064	L0002065		

L0002066 , L0002067 , L0002068 , L0002069 ,
L0002070 , L0002071 , L0002072 , L0002073 ,

L0002074 , L0002075 , L0002076 , L0002077 ,
L0002078 , L0002079 , L0002080 , L0002081 ,

L0002082 , L0002083 , L0002084 , L0002085 ,
L0002086 , L0002087 , L0002088 , L0002089 ,

L0002090 , L0002091 , L0002092 , L0002093 ,
L0002094 , L0002095 , L0002096 , L0002097 ,

L0002098 , L0002099 , L0002100 , L0002101 ,
L0002102 , L0002103 , L0002104 , L0002105 ,

L0002106 , L0002107 , L0002108 , L0002109 ,
L0002110 , L0002111 , L0002112 , L0002113 ,

L0002114 , L0002115 , L0002116 , L0002117 ,
L0002118 , L0002119 , L0002120 , L0002121 ,

L0002122 , L0002123 , L0002124 , L0002125 ,
L0002126 , L0002127 , L0002128 , L0002129 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs			
	L0002130 ,	L0002131 ,	L0002132 ,	L0002133 ,
L0002134 ,	L0002135 ,	L0002136 ,	L0002137 ,	
	L0002138 ,	L0002139 ,	L0002140 ,	L0002141 ,
L0002142 ,	L0002143 ,	L0002144 ,	L0002145 ,	
	L0002146 ,	L0002147 ,	L0002148 ,	L0002149 ,
L0002150 ,	L0002151 ,	L0002152 ,	L0002153 ,	
	L0002154 ,	L0002155 ,	L0002156 ,	L0002157 ,
L0002158 ,	L0002159 ,	L0002160 ,	L0002161 ,	
	L0002162 ,	L0002163 ,	L0002164 ,	L0002165 ,
L0002166 ,	L0002167 ,	L0002168 ,	L0002169 ,	
	L0002170 ,	L0002171 ,	L0002172 ,	L0002173 ,
L0002174 ,	L0002175 ,	L0002176 ,	L0002177 ,	
	L0002178 ,	L0002179 ,	L0002180 ,	L0002181 ,
L0002182 ,	L0002183 ,	L0002184 ,	L0002185 ,	
	L0002186 ,	L0002187 ,	L0002188 ,	L0002189 ,
L0002190 ,	L0002191 ,	L0002192 ,	L0002193 ,	
	L0002194 ,	L0002195 ,	L0002196 ,	L0002197 ,
L0002198 ,	L0002199 ,	L0002200 ,	L0002201 ,	
	L0002202 ,	L0002203 ,	L0002204 ,	L0002205 ,
L0002206 ,	L0002207 ,	L0002208 ,	L0002209 ,	
	L0002210 ,	L0002211 ,	L0002212 ,	L0002213 ,
L0002214 ,	L0002215 ,	L0002216 ,	L0002217 ,	
	L0002218 ,	L0002219 ,	L0002220 ,	L0002221 ,
L0002222 ,	L0002223 ,	L0002224 ,	L0002225 ,	

L0002226 , L0002227 , L0002228 , L0002229 ,
L0002230 , L0002231 , L0002232 , L0002233 ,

L0002234 , L0002235 , L0002236 , L0002237 ,
L0002238 , L0002239 , L0002240 , L0002241 ,

L0002242 , L0002243 , L0002244 , L0002245 ,
L0002246 , L0002247 , L0002248 , L0002249 ,

L0002250 , L0002251 , L0002252 , L0002253 ,
L0002254 , L0002255 , L0002256 , L0002257 ,

L0002258 , L0002259 , L0002260 , L0002261 ,
L0002262 , L0002263 , L0002264 , L0002265 ,

L0002266 , L0002267 , L0002268 , L0002269 ,
L0002270 , L0002271 , L0002272 , L0002273 ,

L0002274 , L0002275 , L0002276 , L0002277 ,
L0002278 , L0002279 , L0002280 , L0002281 ,

L0002282 , L0002283 , L0002284 , L0002285 ,
L0002286 , L0002287 , L0002288 , L0002289 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs						
	L0002290	L0002291	L0002292	L0002293	L0002294	L0002295	L0002296
	L0002297						
	L0002298	L0002299	L0002300	L0002301	L0002302	L0002303	L0002304
	L0002305						
	L0002306	L0002307	L0002308	L0002309	L0002310	L0002311	L0002312
	L0002313						
	L0002314	L0002315	L0002316	L0002317	L0002318	L0002319	L0002320
	L0002321						
	L0002322	L0002323	L0002324	L0002325	L0002326	L0002327	L0002328
	L0002329						
	L0002330	L0002331	L0002332	L0002333	L0002334	L0002335	L0002336
	L0002337						
	L0002338	L0002339	L0002340	L0002341	L0002342	L0002343	L0002344
	L0002345						
	L0002346	L0002347	L0002348	L0002349	L0002350	L0002351	L0002352
	L0002353						
	L0002354	L0002355	L0002356	L0002357	L0002358	L0002359	L0002360
	L0002361						
	L0002362	L0002363	L0002364	L0002365	L0002366	L0002367	L0002368
	L0002369						
	L0002370	L0002371	L0002372	L0002373	L0002374	L0002375	L0002376
	L0002377						
	L0002378	L0002379	L0002380	L0002381	L0002382	L0002383	L0002384
	L0002385						

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            L0002386    , L0002387    , L0002388    , L0002389    ,
L0002390    , L0002391    , L0002392    , L0002393    ,

            L0002394    , L0002395    , L0002396    , L0002397    ,
L0002398    , L0002399    , L0002400    , L0002401    ,


  COOKING   STCK3       ,


  ALL       STCK1       , STCK2       , STCK3       , L0001812    ,
L0001813    , L0001814    , L0001815    , L0001816    ,

            L0001817    , L0001818    , L0001819    , L0001820    ,
L0001821    , L0001822    , L0001823    , L0001824    ,

            L0001825    , L0001826    , L0001827    , L0001828    ,
L0001829    , L0001830    , L0001831    , L0001832    ,

            L0001833    , L0001834    , L0001835    , L0001836    ,
L0001837    , L0001838    , L0001839    , L0001840    ,

            L0001841    , L0001842    , L0001843    , L0001844    ,
L0001845    , L0001846    , L0001847    , L0001848    ,
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**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs						
	L0001849	L0001850	L0001851	L0001852	L0001853	L0001854	L0001855	L0001856
	L0001857	L0001858	L0001859	L0001860	L0001861	L0001862	L0001863	L0001864
	L0001865	L0001866	L0001867	L0001868	L0001869	L0001870	L0001871	L0001872
	L0001873	L0001874	L0001875	L0001876	L0001877	L0001878	L0001879	L0001880
	L0001881	L0001882	L0001883	L0001884	L0001885	L0001886	L0001887	L0001888
	L0001889	L0001890	L0001891	L0001892	L0001893	L0001894	L0001895	L0001896
	L0001897	L0001898	L0001899	L0001900	L0001901	L0001902	L0001903	L0001904
	L0001905	L0001906	L0001907	L0001908	L0001909	L0001910	L0001911	L0001912
	L0001913	L0001914	L0001915	L0001916	L0001917	L0001918	L0001919	L0001920
	L0001921	L0001922	L0001923	L0001924	L0001925	L0001926	L0001927	L0001928
	L0001929	L0001930	L0001931	L0001932	L0001933	L0001934	L0001935	L0001936
	L0001937	L0001938	L0001939	L0001940	L0001941	L0001942	L0001943	L0001944

L0001945 , L0001946 , L0001947 , L0001948 ,
L0001949 , L0001950 , L0001951 , L0001952 ,

L0001953 , L0001954 , L0001955 , L0001956 ,
L0001957 , L0001958 , L0001959 , L0001960 ,

L0001961 , L0001962 , L0001963 , L0001964 ,
L0001965 , L0001966 , L0001967 , L0001968 ,

L0001969 , L0001970 , L0001971 , L0001972 ,
L0001973 , L0001974 , L0001975 , L0001976 ,

L0001977 , L0001978 , L0001979 , L0001980 ,
L0001981 , L0001982 , L0001983 , L0001984 ,

L0001985 , L0001986 , L0001987 , L0001988 ,
L0001989 , L0001990 , L0001991 , L0001992 ,

L0001993 , L0001994 , L0001995 , L0001996 ,
L0001997 , L0001998 , L0001999 , L0002000 ,

L0002001 , L0002002 , L0002003 , L0002004 ,
L0002005 , L0002006 , L0002007 , L0002008 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
	L0002009	L0002010	L0002011	L0002012	L0002013	L0002014	L0002015	L0002016
	L0002017	L0002018	L0002019	L0002020	L0002021	L0002022	L0002023	L0002024
	L0002025	L0002026	L0002027	L0002028	L0002029	L0002030	L0002031	L0002032
	L0002033	L0002034	L0002035	L0002036	L0002037	L0002038	L0002039	L0002040
	L0002041	L0002042	L0002043	L0002044	L0002045	L0002046	L0002047	L0002048
	L0002049	L0002050	L0002051	L0002052	L0002053	L0002054	L0002055	L0002056
	L0002057	L0002058	L0002059	L0002060	L0002061	L0002062	L0002063	L0002064
	L0002065	L0002066	L0002067	L0002068	L0002069	L0002070	L0002071	L0002072
	L0002073	L0002074	L0002075	L0002076	L0002077	L0002078	L0002079	L0002080
	L0002081	L0002082	L0002083	L0002084	L0002085	L0002086	L0002087	L0002088
	L0002089	L0002090	L0002091	L0002092	L0002093	L0002094	L0002095	L0002096
	L0002097	L0002098	L0002099	L0002100	L0002101	L0002102	L0002103	L0002104

L0002105 , L0002106 , L0002107 , L0002108 ,
L0002109 , L0002110 , L0002111 , L0002112 ,

L0002113 , L0002114 , L0002115 , L0002116 ,
L0002117 , L0002118 , L0002119 , L0002120 ,

L0002121 , L0002122 , L0002123 , L0002124 ,
L0002125 , L0002126 , L0002127 , L0002128 ,

L0002129 , L0002130 , L0002131 , L0002132 ,
L0002133 , L0002134 , L0002135 , L0002136 ,

L0002137 , L0002138 , L0002139 , L0002140 ,
L0002141 , L0002142 , L0002143 , L0002144 ,

L0002145 , L0002146 , L0002147 , L0002148 ,
L0002149 , L0002150 , L0002151 , L0002152 ,

L0002153 , L0002154 , L0002155 , L0002156 ,
L0002157 , L0002158 , L0002159 , L0002160 ,

L0002161 , L0002162 , L0002163 , L0002164 ,
L0002165 , L0002166 , L0002167 , L0002168 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs			
	L0002169 ,	L0002170 ,	L0002171 ,	L0002172 ,
L0002173 ,	L0002174 ,	L0002175 ,	L0002176 ,	
	L0002177 ,	L0002178 ,	L0002179 ,	L0002180 ,
L0002181 ,	L0002182 ,	L0002183 ,	L0002184 ,	
	L0002185 ,	L0002186 ,	L0002187 ,	L0002188 ,
L0002189 ,	L0002190 ,	L0002191 ,	L0002192 ,	
	L0002193 ,	L0002194 ,	L0002195 ,	L0002196 ,
L0002197 ,	L0002198 ,	L0002199 ,	L0002200 ,	
	L0002201 ,	L0002202 ,	L0002203 ,	L0002204 ,
L0002205 ,	L0002206 ,	L0002207 ,	L0002208 ,	
	L0002209 ,	L0002210 ,	L0002211 ,	L0002212 ,
L0002213 ,	L0002214 ,	L0002215 ,	L0002216 ,	
	L0002217 ,	L0002218 ,	L0002219 ,	L0002220 ,
L0002221 ,	L0002222 ,	L0002223 ,	L0002224 ,	
	L0002225 ,	L0002226 ,	L0002227 ,	L0002228 ,
L0002229 ,	L0002230 ,	L0002231 ,	L0002232 ,	
	L0002233 ,	L0002234 ,	L0002235 ,	L0002236 ,
L0002237 ,	L0002238 ,	L0002239 ,	L0002240 ,	
	L0002241 ,	L0002242 ,	L0002243 ,	L0002244 ,
L0002245 ,	L0002246 ,	L0002247 ,	L0002248 ,	
	L0002249 ,	L0002250 ,	L0002251 ,	L0002252 ,
L0002253 ,	L0002254 ,	L0002255 ,	L0002256 ,	
	L0002257 ,	L0002258 ,	L0002259 ,	L0002260 ,
L0002261 ,	L0002262 ,	L0002263 ,	L0002264 ,	

L0002265 , L0002266 , L0002267 , L0002268 ,
L0002269 , L0002270 , L0002271 , L0002272 ,

L0002273 , L0002274 , L0002275 , L0002276 ,
L0002277 , L0002278 , L0002279 , L0002280 ,

L0002281 , L0002282 , L0002283 , L0002284 ,
L0002285 , L0002286 , L0002287 , L0002288 ,

L0002289 , L0002290 , L0002291 , L0002292 ,
L0002293 , L0002294 , L0002295 , L0002296 ,

L0002297 , L0002298 , L0002299 , L0002300 ,
L0002301 , L0002302 , L0002303 , L0002304 ,

L0002305 , L0002306 , L0002307 , L0002308 ,
L0002309 , L0002310 , L0002311 , L0002312 ,

L0002313 , L0002314 , L0002315 , L0002316 ,
L0002317 , L0002318 , L0002319 , L0002320 ,

L0002321 , L0002322 , L0002323 , L0002324 ,
L0002325 , L0002326 , L0002327 , L0002328 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0002329 , L0002330 , L0002331 , L0002332 , L0002333 , L0002334 , L0002335 , L0002336 ,
	L0002337 , L0002338 , L0002339 , L0002340 , L0002341 , L0002342 , L0002343 , L0002344 ,
	L0002345 , L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 ,
	L0002353 , L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 ,
	L0002361 , L0002362 , L0002363 , L0002364 , L0002365 , L0002366 , L0002367 , L0002368 ,
	L0002369 , L0002370 , L0002371 , L0002372 , L0002373 , L0002374 , L0002375 , L0002376 ,
	L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 , L0002384 ,
	L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 , L0002392 ,
	L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , L0002399 , L0002400 ,
	L0002401 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** DISCRETE CARTESIAN RECEPTORS ***

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

(403353.0, 3771291.6, 182.0, 182.0, 1.5); (404054.8, 3771612.7, 182.0, 182.0, 1.5);
(404572.3, 3771098.8, 182.0, 182.0, 1.5);

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** 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 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 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,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

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

Surface file: ..\azus6.sfc
Met Version: 12345
Profile file: ..\azus6.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3190 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-34.3	0.336	-9.000	-9.000	-999.	447.	97.5	0.36	1.00	1.00	3.10	25.	9.1	280.9	5.5
05	01	01	1	02	-41.5	0.406	-9.000	-9.000	-999.	595.	142.6	0.36	1.00	1.00	3.60	23.	9.1	280.9	5.5
05	01	01	1	03	-54.0	0.527	-9.000	-9.000	-999.	879.	239.5	0.36	1.00	1.00	4.50	31.	9.1	280.4	5.5
05	01	01	1	04	-41.6	0.406	-9.000	-9.000	-999.	605.	142.3	0.36	1.00	1.00	3.60	32.	9.1	280.4	5.5
05	01	01	1	05	-34.4	0.336	-9.000	-9.000	-999.	450.	97.2	0.36	1.00	1.00	3.10	38.	9.1	280.4	5.5
05	01	01	1	06	-41.7	0.406	-9.000	-9.000	-999.	595.	142.0	0.36	1.00	1.00	3.60	35.	9.1	279.9	5.5
05	01	01	1	07	-47.2	0.460	-9.000	-9.000	-999.	718.	182.5	0.36	1.00	1.00	4.00	33.	9.1	279.9	5.5
05	01	01	1	08	-36.5	0.412	-9.000	-9.000	-999.	610.	169.4	0.36	1.00	0.55	3.60	30.	9.1	279.9	5.5
05	01	01	1	09	24.0	0.296	0.336	0.005	55.	378.	-95.7	0.36	1.00	0.32	2.20	57.	9.1	280.9	5.5
05	01	01	1	10	77.9	0.220	1.189	0.005	764.	240.	-12.1	0.36	1.00	0.25	1.30	97.	9.1	285.4	5.5
05	01	01	1	11	108.6	0.286	1.449	0.007	992.	351.	-19.0	0.36	1.00	0.22	1.80	149.	9.1	285.9	5.5
05	01	01	1	12	123.8	0.232	1.622	0.010	1221.	258.	-8.9	0.36	1.00	0.21	1.30	191.	9.1	286.4	5.5

```
 05 01 01   1 13  109.9  0.286  1.570  0.009 1245.  352.    -18.8  0.36
1.00   0.21    1.80  214.    9.1  286.4    5.5
 05 01 01   1 14   38.3  0.205  1.107  0.009 1254.  216.    -19.9  0.36
1.00   0.22    1.30  237.    9.1  285.9    5.5
 05 01 01   1 15   20.8  0.249  0.905  0.009 1258.  286.    -65.7  0.36
1.00   0.26    1.80  239.    9.1  285.4    5.5
 05 01 01   1 16    3.3  0.278  0.491  0.009 1258.  336.   -569.9  0.36
1.00   0.35    2.20  241.    9.1  284.9    5.5
 05 01 01   1 17   -9.7  0.168 -9.000 -9.000 -999.  164.     43.3  0.36
1.00   0.62    1.80  236.    9.1  284.9    5.5
 05 01 01   1 18   -2.5  0.056 -9.000 -9.000 -999.   42.      6.2  0.36
1.00   1.00    0.90  263.    9.1  284.2    5.5
 05 01 01   1 19   -5.2  0.081 -9.000 -9.000 -999.   53.      8.9  0.36
1.00   1.00    1.30    5.    9.1  283.8    5.5
 05 01 01   1 20  -10.0  0.134 -9.000 -9.000 -999.  112.     21.1  0.36
1.00   1.00    1.80   16.    9.1  283.1    5.5
 05 01 01   1 21  -16.3  0.218 -9.000 -9.000 -999.  234.     56.0  0.36
1.00   1.00    2.20   29.    9.1  283.1    5.5
 05 01 01   1 22  -16.9  0.306 -9.000 -9.000 -999.  389.    149.7  0.36
1.00   1.00    2.70   28.    9.1  282.5    5.5
 05 01 01   1 23  -16.9  0.306 -9.000 -9.000 -999.  389.    149.4  0.36
1.00   1.00    2.70   16.    9.1  282.0    5.5
 05 01 01   1 24  -19.9  0.360 -9.000 -9.000 -999.  496.    206.7  0.36
1.00   1.00    3.10   22.    9.1  282.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   281.0   99.0  -99.00  -99.00
 05 01 01 01    9.1 1   25.    3.10  -999.0   99.0  -99.00  -99.00

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

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: DIESEL ***
INCLUDING SOURCE(S): STCK1 , STCK2 , L0001812 , L0001813 , L0001814 , L0001815 , L0001816 , L0001817 , L0001818 , L0001819 , L0001820 , L0001821 , L0001822 , L0001823 , L0001824 , L0001825 , L0001826 , L0001827 , L0001828 , L0001829 , L0001830 , L0001831 , L0001832 , L0001833 , L0001834 , L0001835 , L0001836 , L0001837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403353.03	3771291.64	0.00033	404054.84	3771612.72	0.00043
404572.31	3771098.76	0.00021			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: COOKING ***
INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403353.03	3771291.64	0.00001	404054.84	3771612.72	0.00002
404572.31	3771098.76	0.00002			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , L0001812 , L0001813 , L0001814 , L0001815 , L0001816 , L0001817 , L0001818 , L0001819 , L0001820 , L0001821 , L0001822 , L0001823 , L0001824 , L0001825 , L0001826 , L0001827 , L0001828 , L0001829 , L0001830 , L0001831 , L0001832 , L0001833 , L0001834 , L0001835 , L0001836 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403353.03	3771291.64	0.00034	404054.84	3771612.72	0.00044
404572.31	3771098.76	0.00023			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

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

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

```
          5TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)

ALL       1ST HIGHEST VALUE IS       0.00044 AT (  404054.84,
3771612.72,   182.00,   182.00,    1.50)  DC
          2ND HIGHEST VALUE IS       0.00034 AT (  403353.03,
3771291.64,   182.00,   182.00,    1.50)  DC
          3RD HIGHEST VALUE IS       0.00023 AT (  404572.31,
3771098.76,   182.00,   182.00,    1.50)  DC
          4TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          5TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)


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

```
 *** AERMOD - VERSION  12345 ***   *** C:\Lakes\AERMOD View\08344_El
Monte Walmart\08344_El Monte Walmart\0 ***        02/19/14
                                     ***
***        13:04:28

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 **MODELOPTs:  NonDFAULT CONC                                    FLAT
FLGPOL                        FASTALL


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of         1062 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of            0 Calm Hours Identified

 A Total of         1062 Missing Hours Identified (  2.42 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W530    1421 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE
for     SURFDATA

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

AERMOD MODEL OUTPUT

SCHOOLS

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.2.0
** Lakes Environmental Software Inc.
** Date: 2/19/2014
** File: U:\UcJobs\_08100-08500\_08300\08344\AERMOD\08344_El Monte
Walmart (Schools)\08344_El Monte Walmart (Schools).ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\08344_El Monte Walmart\08344_El Monte
Walmart\0
   MODELOPT CONC FLAT  FASTALL
   AVERTIME ANNUAL
   URBANOPT 9862049
   POLLUTID OTHER
   FLAGPOLE 1.50
   RUNORNOT RUN
   ERRORFIL "08344_El Monte Walmart (Schools).err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      403888.070  3771181.040          0.0
** DESCRSRC Walmart Truck Dock 1
   LOCATION STCK2        POINT      403873.369  3771109.214          0.0
** DESCRSRC Walmart Truck Dock 2
   LOCATION STCK3        POINT      403790.140  3771174.010          0.0
** DESCRSRC Walmart Food Cooking (Facility Type 3)
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site Travel WM
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 5.97E-06
** Vertical Dimension = 1.83
** SZINIT = 0.85
```

```
** Nodes = 18
** 403865.06, 3770930.13, 0.00, 0.00, 1.70
** 403878.22, 3771019.40, 0.00, 0.00, 1.70
** 403888.28, 3771041.85, 0.00, 0.00, 1.70
** 403892.41, 3771048.56, 0.00, 0.00, 1.70
** 403895.51, 3771062.75, 0.00, 0.00, 1.70
** 403927.76, 3771220.92, 0.00, 0.00, 1.70
** 403930.60, 3771236.66, 0.00, 0.00, 1.70
** 403930.60, 3771241.04, 0.00, 0.00, 1.70
** 403929.57, 3771243.37, 0.00, 0.00, 1.70
** 403927.50, 3771244.40, 0.00, 0.00, 1.70
** 403925.96, 3771245.43, 0.00, 0.00, 1.70
** 403923.38, 3771247.24, 0.00, 0.00, 1.70
** 403918.73, 3771247.49, 0.00, 0.00, 1.70
** 403915.63, 3771246.46, 0.00, 0.00, 1.70
** 403913.83, 3771244.66, 0.00, 0.00, 1.70
** 403912.54, 3771242.33, 0.00, 0.00, 1.70
** 403910.73, 3771239.75, 0.00, 0.00, 1.70
** 403910.47, 3771236.14, 0.00, 0.00, 1.70
** ----------------------------------------------------------------------
   LOCATION L0001812     VOLUME   403865.329 3770931.935 0.0
   LOCATION L0001813     VOLUME   403865.863 3770935.556 0.0
   LOCATION L0001814     VOLUME   403866.396 3770939.177 0.0
   LOCATION L0001815     VOLUME   403866.930 3770942.798 0.0
   LOCATION L0001816     VOLUME   403867.464 3770946.419 0.0
   LOCATION L0001817     VOLUME   403867.997 3770950.040 0.0
   LOCATION L0001818     VOLUME   403868.531 3770953.661 0.0
   LOCATION L0001819     VOLUME   403869.065 3770957.282 0.0
   LOCATION L0001820     VOLUME   403869.599 3770960.902 0.0
   LOCATION L0001821     VOLUME   403870.132 3770964.523 0.0
   LOCATION L0001822     VOLUME   403870.666 3770968.144 0.0
   LOCATION L0001823     VOLUME   403871.200 3770971.765 0.0
   LOCATION L0001824     VOLUME   403871.733 3770975.386 0.0
   LOCATION L0001825     VOLUME   403872.267 3770979.007 0.0
   LOCATION L0001826     VOLUME   403872.801 3770982.628 0.0
   LOCATION L0001827     VOLUME   403873.335 3770986.249 0.0
   LOCATION L0001828     VOLUME   403873.868 3770989.869 0.0
   LOCATION L0001829     VOLUME   403874.402 3770993.490 0.0
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   LOCATION L0001845     VOLUME   403892.356 3771048.466 0.0
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LOCATION	L0001854	VOLUME	403899.167	3771080.687	0.0
LOCATION	L0001855	VOLUME	403899.898	3771084.273	0.0
LOCATION	L0001856	VOLUME	403900.629	3771087.859	0.0
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LOCATION	L0001858	VOLUME	403902.092	3771095.031	0.0
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** DESCRSRC Off-Site Truck Travel
** PREFIX
** Length of Side = 3.66
** Configuration = Adjacent
** Emission Rate = 0.00001622
** Vertical Dimension = 1.83
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LOCATION	L0002095	VOLUME	403207.213	3771093.936	0.0
LOCATION	L0002096	VOLUME	403203.945	3771095.582	0.0
LOCATION	L0002097	VOLUME	403200.676	3771097.229	0.0
LOCATION	L0002098	VOLUME	403197.407	3771098.876	0.0
LOCATION	L0002099	VOLUME	403194.139	3771100.523	0.0
LOCATION	L0002100	VOLUME	403190.870	3771102.170	0.0
LOCATION	L0002101	VOLUME	403187.602	3771103.817	0.0
LOCATION	L0002102	VOLUME	403184.333	3771105.463	0.0
LOCATION	L0002103	VOLUME	403181.065	3771107.110	0.0
LOCATION	L0002104	VOLUME	403177.796	3771108.757	0.0
LOCATION	L0002105	VOLUME	403174.527	3771110.404	0.0
LOCATION	L0002106	VOLUME	403171.259	3771112.051	0.0
LOCATION	L0002107	VOLUME	403167.990	3771113.698	0.0
LOCATION	L0002108	VOLUME	403164.722	3771115.344	0.0
LOCATION	L0002109	VOLUME	403161.453	3771116.991	0.0
LOCATION	L0002110	VOLUME	403158.185	3771118.638	0.0
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LOCATION	L0002112	VOLUME	403151.647	3771121.932	0.0
LOCATION	L0002113	VOLUME	403148.379	3771123.579	0.0
LOCATION	L0002114	VOLUME	403145.110	3771125.225	0.0
LOCATION	L0002115	VOLUME	403141.842	3771126.872	0.0
LOCATION	L0002116	VOLUME	403138.573	3771128.519	0.0
LOCATION	L0002117	VOLUME	403135.305	3771130.166	0.0
LOCATION	L0002118	VOLUME	403132.036	3771131.813	0.0
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LOCATION	L0002120	VOLUME	403125.499	3771135.106	0.0
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LOCATION	L0002123	VOLUME	403115.693	3771140.047	0.0
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LOCATION	L0002125	VOLUME	403109.156	3771143.340	0.0
LOCATION	L0002126	VOLUME	403105.887	3771144.987	0.0
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LOCATION	L0002128	VOLUME	403099.350	3771148.281	0.0
LOCATION	L0002129	VOLUME	403096.082	3771149.928	0.0
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LOCATION	L0002131	VOLUME	403089.545	3771153.221	0.0
LOCATION	L0002132	VOLUME	403086.276	3771154.868	0.0
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LOCATION	L0002136	VOLUME	403073.202	3771161.456	0.0
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LOCATION	L0002138	VOLUME	403066.665	3771164.749	0.0

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LOCATION	L0002140	VOLUME	403060.127	3771168.043	0.0
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LOCATION	L0002142	VOLUME	403053.590	3771171.337	0.0
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LOCATION	L0002144	VOLUME	403047.053	3771174.630	0.0
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LOCATION	L0002146	VOLUME	403040.516	3771177.924	0.0
LOCATION	L0002147	VOLUME	403037.247	3771179.571	0.0
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LOCATION	L0002158	VOLUME	403001.293	3771197.686	0.0
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LOCATION	L0002161	VOLUME	402991.487	3771202.626	0.0
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LOCATION	L0002163	VOLUME	402984.950	3771205.920	0.0
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LOCATION	L0002165	VOLUME	402978.413	3771209.214	0.0
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LOCATION	L0002167	VOLUME	402971.876	3771212.507	0.0
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LOCATION	L0002169	VOLUME	402965.339	3771215.801	0.0
LOCATION	L0002170	VOLUME	402962.070	3771217.448	0.0
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LOCATION	L0002172	VOLUME	402955.533	3771220.741	0.0
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LOCATION	L0002174	VOLUME	402948.996	3771224.035	0.0
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LOCATION	L0002176	VOLUME	402942.459	3771227.329	0.0
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LOCATION	L0002178	VOLUME	402936.121	3771230.153	0.0
LOCATION	L0002179	VOLUME	402935.043	3771226.656	0.0
LOCATION	L0002180	VOLUME	402933.964	3771223.158	0.0
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LOCATION	L0002182	VOLUME	402931.806	3771216.164	0.0
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LOCATION	L0002184	VOLUME	402929.648	3771209.169	0.0
LOCATION	L0002185	VOLUME	402928.570	3771205.671	0.0
LOCATION	L0002186	VOLUME	402927.491	3771202.174	0.0
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LOCATION	L0002188	VOLUME	402925.333	3771195.179	0.0
LOCATION	L0002189	VOLUME	402924.254	3771191.682	0.0
LOCATION	L0002190	VOLUME	402923.175	3771188.185	0.0
LOCATION	L0002191	VOLUME	402922.097	3771184.687	0.0
LOCATION	L0002192	VOLUME	402921.018	3771181.190	0.0

LOCATION	L0002193	VOLUME	402919.939	3771177.692	0.0
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LOCATION	L0002195	VOLUME	402917.781	3771170.698	0.0
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LOCATION	L0002197	VOLUME	402915.638	3771163.698	0.0
LOCATION	L0002198	VOLUME	402914.595	3771160.190	0.0
LOCATION	L0002199	VOLUME	402913.551	3771156.682	0.0
LOCATION	L0002200	VOLUME	402912.507	3771153.174	0.0
LOCATION	L0002201	VOLUME	402911.463	3771149.666	0.0
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LOCATION	L0002203	VOLUME	402909.376	3771142.650	0.0
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LOCATION	L0002205	VOLUME	402907.288	3771135.634	0.0
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LOCATION	L0002207	VOLUME	402905.201	3771128.618	0.0
LOCATION	L0002208	VOLUME	402904.157	3771125.110	0.0
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LOCATION	L0002210	VOLUME	402902.069	3771118.094	0.0
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LOCATION	L0002218	VOLUME	402893.719	3771090.030	0.0
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LOCATION	L0002226	VOLUME	402885.369	3771061.966	0.0
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LOCATION	L0002236	VOLUME	402874.931	3771026.886	0.0
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LOCATION	L0002244	VOLUME	402867.546	3770998.563	0.0
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LOCATION	L0002246	VOLUME	402865.840	3770991.444	0.0

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LOCATION	L0002248	VOLUME	402864.134	3770984.326	0.0
LOCATION	L0002249	VOLUME	402863.281	3770980.767	0.0
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LOCATION	L0002251	VOLUME	402861.576	3770973.648	0.0
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LOCATION	L0002263	VOLUME	402854.427	3770930.426	0.0
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LOCATION	L0002279	VOLUME	402852.097	3770871.949	0.0
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   LOCATION L0002378     VOLUME   402856.042 3770509.641 0.0
   LOCATION L0002379     VOLUME   402856.111 3770505.982 0.0
   LOCATION L0002380     VOLUME   402856.179 3770502.323 0.0
   LOCATION L0002381     VOLUME   402856.248 3770498.663 0.0
   LOCATION L0002382     VOLUME   402856.317 3770495.004 0.0
   LOCATION L0002383     VOLUME   402856.385 3770491.344 0.0
   LOCATION L0002384     VOLUME   402856.454 3770487.685 0.0
   LOCATION L0002385     VOLUME   402856.523 3770484.026 0.0
   LOCATION L0002386     VOLUME   402856.591 3770480.366 0.0
   LOCATION L0002387     VOLUME   402856.660 3770476.707 0.0
   LOCATION L0002388     VOLUME   402856.729 3770473.048 0.0
   LOCATION L0002389     VOLUME   402856.797 3770469.388 0.0
   LOCATION L0002390     VOLUME   402856.866 3770465.729 0.0
   LOCATION L0002391     VOLUME   402856.935 3770462.070 0.0
   LOCATION L0002392     VOLUME   402857.003 3770458.410 0.0
   LOCATION L0002393     VOLUME   402857.072 3770454.751 0.0
   LOCATION L0002394     VOLUME   402857.141 3770451.092 0.0
   LOCATION L0002395     VOLUME   402857.209 3770447.432 0.0
   LOCATION L0002396     VOLUME   402857.278 3770443.773 0.0
   LOCATION L0002397     VOLUME   402857.347 3770440.113 0.0
   LOCATION L0002398     VOLUME   402857.415 3770436.454 0.0
   LOCATION L0002399     VOLUME   402857.484 3770432.795 0.0
   LOCATION L0002400     VOLUME   402857.553 3770429.135 0.0
   LOCATION L0002401     VOLUME   402857.621 3770425.476 0.0
** End of LINE VOLUME Source ID = SLINE2
** Source Parameters **
   SRCPARAM STCK1        0.0000396137     3.840   366.000   0.00100
0.100
   SRCPARAM STCK2        0.0000396137     3.840   366.000   0.00100
0.100
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   SRCPARAM STCK3        4.813E-06    10.668   366.483   6.09622
0.305
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   SRCPARAM L0001813     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001814     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001815     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001816     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001817     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001818     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001819     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001820     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001821     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001822     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001823     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001825     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001826     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001827     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001828     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001829     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001830     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001831     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001832     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001833     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001837     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001838     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001839     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001840     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001841     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001842     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001843     0.00000006284      0.00      1.70      0.85
   SRCPARAM L0001844     0.00000006284      0.00      1.70      0.85
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   SRCPARAM L0001862     0.00000006284      0.00      1.70      0.85
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SRCPARAM L0002369	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002370	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002371	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002372	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002373	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002374	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002375	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002376	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002377	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002378	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002379	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002380	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002381	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002382	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002383	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002384	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002385	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002386	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002387	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002388	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002389	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002390	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002391	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002392	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002393	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002394	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002395	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002396	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002397	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002398	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002399	0.00000003277	0.00	1.70	0.85
SRCPARAM L0002400	0.00000003277	0.00	1.70	0.85

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   SRCPARAM L0002401     0.00000003277      0.00      1.70      0.85
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP Diesel   STCK1 STCK2 L0001812 L0001813 L0001814 L0001815
L0001816
   SRCGROUP Diesel   L0001817 L0001818 L0001819 L0001820 L0001821
L0001822
   SRCGROUP Diesel   L0001823 L0001824 L0001825 L0001826 L0001827
L0001828
   SRCGROUP Diesel   L0001829 L0001830 L0001831 L0001832 L0001833
L0001834
   SRCGROUP Diesel   L0001835 L0001836 L0001837 L0001838 L0001839
L0001840
   SRCGROUP Diesel   L0001841 L0001842 L0001843 L0001844 L0001845
L0001846
   SRCGROUP Diesel   L0001847 L0001848 L0001849 L0001850 L0001851
L0001852
   SRCGROUP Diesel   L0001853 L0001854 L0001855 L0001856 L0001857
L0001858
   SRCGROUP Diesel   L0001859 L0001860 L0001861 L0001862 L0001863
L0001864
   SRCGROUP Diesel   L0001865 L0001866 L0001867 L0001868 L0001869
L0001870
   SRCGROUP Diesel   L0001871 L0001872 L0001873 L0001874 L0001875
L0001876
   SRCGROUP Diesel   L0001877 L0001878 L0001879 L0001880 L0001881
L0001882
   SRCGROUP Diesel   L0001883 L0001884 L0001885 L0001886 L0001887
L0001888
   SRCGROUP Diesel   L0001889 L0001890 L0001891 L0001892 L0001893
L0001894
   SRCGROUP Diesel   L0001895 L0001896 L0001897 L0001898 L0001899
L0001900
   SRCGROUP Diesel   L0001901 L0001902 L0001903 L0001904 L0001905
L0001906
   SRCGROUP Diesel   L0001907 L0001908 L0001909 L0001910 L0001911
L0001912
   SRCGROUP Diesel   L0001913 L0001914 L0001915 L0001916 L0001917
L0001918
   SRCGROUP Diesel   L0001919 L0001920 L0001921 L0001922 L0001923
L0001924
   SRCGROUP Diesel   L0001925 L0001926 L0001927 L0001928 L0001929
L0001930
   SRCGROUP Diesel   L0001931 L0001932 L0001933 L0001934 L0001935
L0001936
   SRCGROUP Diesel   L0001937 L0001938 L0001939 L0001940 L0001941
L0001942
   SRCGROUP Diesel   L0001943 L0001944 L0001945 L0001946 L0001947
L0001948
   SRCGROUP Diesel   L0001949 L0001950 L0001951 L0001952 L0001953
L0001954
   SRCGROUP Diesel   L0001955 L0001956 L0001957 L0001958 L0001959
L0001960
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   SRCGROUP Diesel   L0001961 L0001962 L0001963 L0001964 L0001965
L0001966
   SRCGROUP Diesel   L0001967 L0001968 L0001969 L0001970 L0001971
L0001972
   SRCGROUP Diesel   L0001973 L0001974 L0001975 L0001976 L0001977
L0001978
   SRCGROUP Diesel   L0001979 L0001980 L0001981 L0001982 L0001983
L0001984
   SRCGROUP Diesel   L0001985 L0001986 L0001987 L0001988 L0001989
L0001990
   SRCGROUP Diesel   L0001991 L0001992 L0001993 L0001994 L0001995
L0001996
   SRCGROUP Diesel   L0001997 L0001998 L0001999 L0002000 L0002001
L0002002
   SRCGROUP Diesel   L0002003 L0002004 L0002005 L0002006 L0002007
L0002008
   SRCGROUP Diesel   L0002009 L0002010 L0002011 L0002012 L0002013
L0002014
   SRCGROUP Diesel   L0002015 L0002016 L0002017 L0002018 L0002019
L0002020
   SRCGROUP Diesel   L0002021 L0002022 L0002023 L0002024 L0002025
L0002026
   SRCGROUP Diesel   L0002027 L0002028 L0002029 L0002030 L0002031
L0002032
   SRCGROUP Diesel   L0002033 L0002034 L0002035 L0002036 L0002037
L0002038
   SRCGROUP Diesel   L0002039 L0002040 L0002041 L0002042 L0002043
L0002044
   SRCGROUP Diesel   L0002045 L0002046 L0002047 L0002048 L0002049
L0002050
   SRCGROUP Diesel   L0002051 L0002052 L0002053 L0002054 L0002055
L0002056
   SRCGROUP Diesel   L0002057 L0002058 L0002059 L0002060 L0002061
L0002062
   SRCGROUP Diesel   L0002063 L0002064 L0002065 L0002066 L0002067
L0002068
   SRCGROUP Diesel   L0002069 L0002070 L0002071 L0002072 L0002073
L0002074
   SRCGROUP Diesel   L0002075 L0002076 L0002077 L0002078 L0002079
L0002080
   SRCGROUP Diesel   L0002081 L0002082 L0002083 L0002084 L0002085
L0002086
   SRCGROUP Diesel   L0002087 L0002088 L0002089 L0002090 L0002091
L0002092
   SRCGROUP Diesel   L0002093 L0002094 L0002095 L0002096 L0002097
L0002098
   SRCGROUP Diesel   L0002099 L0002100 L0002101 L0002102 L0002103
L0002104
   SRCGROUP Diesel   L0002105 L0002106 L0002107 L0002108 L0002109
L0002110
   SRCGROUP Diesel   L0002111 L0002112 L0002113 L0002114 L0002115
L0002116
   SRCGROUP Diesel   L0002117 L0002118 L0002119 L0002120 L0002121
L0002122
```

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   SRCGROUP Diesel   L0002123 L0002124 L0002125 L0002126 L0002127
L0002128
   SRCGROUP Diesel   L0002129 L0002130 L0002131 L0002132 L0002133
L0002134
   SRCGROUP Diesel   L0002135 L0002136 L0002137 L0002138 L0002139
L0002140
   SRCGROUP Diesel   L0002141 L0002142 L0002143 L0002144 L0002145
L0002146
   SRCGROUP Diesel   L0002147 L0002148 L0002149 L0002150 L0002151
L0002152
   SRCGROUP Diesel   L0002153 L0002154 L0002155 L0002156 L0002157
L0002158
   SRCGROUP Diesel   L0002159 L0002160 L0002161 L0002162 L0002163
L0002164
   SRCGROUP Diesel   L0002165 L0002166 L0002167 L0002168 L0002169
L0002170
   SRCGROUP Diesel   L0002171 L0002172 L0002173 L0002174 L0002175
L0002176
   SRCGROUP Diesel   L0002177 L0002178 L0002179 L0002180 L0002181
L0002182
   SRCGROUP Diesel   L0002183 L0002184 L0002185 L0002186 L0002187
L0002188
   SRCGROUP Diesel   L0002189 L0002190 L0002191 L0002192 L0002193
L0002194
   SRCGROUP Diesel   L0002195 L0002196 L0002197 L0002198 L0002199
L0002200
   SRCGROUP Diesel   L0002201 L0002202 L0002203 L0002204 L0002205
L0002206
   SRCGROUP Diesel   L0002207 L0002208 L0002209 L0002210 L0002211
L0002212
   SRCGROUP Diesel   L0002213 L0002214 L0002215 L0002216 L0002217
L0002218
   SRCGROUP Diesel   L0002219 L0002220 L0002221 L0002222 L0002223
L0002224
   SRCGROUP Diesel   L0002225 L0002226 L0002227 L0002228 L0002229
L0002230
   SRCGROUP Diesel   L0002231 L0002232 L0002233 L0002234 L0002235
L0002236
   SRCGROUP Diesel   L0002237 L0002238 L0002239 L0002240 L0002241
L0002242
   SRCGROUP Diesel   L0002243 L0002244 L0002245 L0002246 L0002247
L0002248
   SRCGROUP Diesel   L0002249 L0002250 L0002251 L0002252 L0002253
L0002254
   SRCGROUP Diesel   L0002255 L0002256 L0002257 L0002258 L0002259
L0002260
   SRCGROUP Diesel   L0002261 L0002262 L0002263 L0002264 L0002265
L0002266
   SRCGROUP Diesel   L0002267 L0002268 L0002269 L0002270 L0002271
L0002272
   SRCGROUP Diesel   L0002273 L0002274 L0002275 L0002276 L0002277
L0002278
   SRCGROUP Diesel   L0002279 L0002280 L0002281 L0002282 L0002283
L0002284
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   SRCGROUP Diesel   L0002285 L0002286 L0002287 L0002288 L0002289
L0002290
   SRCGROUP Diesel   L0002291 L0002292 L0002293 L0002294 L0002295
L0002296
   SRCGROUP Diesel   L0002297 L0002298 L0002299 L0002300 L0002301
L0002302
   SRCGROUP Diesel   L0002303 L0002304 L0002305 L0002306 L0002307
L0002308
   SRCGROUP Diesel   L0002309 L0002310 L0002311 L0002312 L0002313
L0002314
   SRCGROUP Diesel   L0002315 L0002316 L0002317 L0002318 L0002319
L0002320
   SRCGROUP Diesel   L0002321 L0002322 L0002323 L0002324 L0002325
L0002326
   SRCGROUP Diesel   L0002327 L0002328 L0002329 L0002330 L0002331
L0002332
   SRCGROUP Diesel   L0002333 L0002334 L0002335 L0002336 L0002337
L0002338
   SRCGROUP Diesel   L0002339 L0002340 L0002341 L0002342 L0002343
L0002344
   SRCGROUP Diesel   L0002345 L0002346 L0002347 L0002348 L0002349
L0002350
   SRCGROUP Diesel   L0002351 L0002352 L0002353 L0002354 L0002355
L0002356
   SRCGROUP Diesel   L0002357 L0002358 L0002359 L0002360 L0002361
L0002362
   SRCGROUP Diesel   L0002363 L0002364 L0002365 L0002366 L0002367
L0002368
   SRCGROUP Diesel   L0002369 L0002370 L0002371 L0002372 L0002373
L0002374
   SRCGROUP Diesel   L0002375 L0002376 L0002377 L0002378 L0002379
L0002380
   SRCGROUP Diesel   L0002381 L0002382 L0002383 L0002384 L0002385
L0002386
   SRCGROUP Diesel   L0002387 L0002388 L0002389 L0002390 L0002391
L0002392
   SRCGROUP Diesel   L0002393 L0002394 L0002395 L0002396 L0002397
L0002398
   SRCGROUP Diesel   L0002399 L0002400 L0002401
   SRCGROUP Cooking  STCK3
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
** DESCRREC "" ""
   DISCCART    403353.03   3771291.64    1.50
   DISCCART    404054.84   3771612.72    1.50
   DISCCART    404572.31   3771098.76    1.50
RE FINISHED
```

```
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ..\azus6.sfc
   PROFFILE ..\azus6.PFL
   SURFDATA 3190 2005
   UAIRDATA 3190 2005
   SITEDATA 99999 2005
   PROFBASE 182.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "08344_EL MONTE WALMART (SCHOOLS).AD\AN00GALL.PLT"
31
   PLOTFILE ANNUAL Diesel "08344_EL MONTE WALMART
(SCHOOLS).AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL Cooking "08344_EL MONTE WALMART
(SCHOOLS).AD\AN00G002.PLT" 33
   SUMMFILE "08344_El Monte Walmart (Schools).sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W530    1421 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE
for     SURFDATA

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

```
 *** AERMOD - VERSION  12345 ***   *** C:\Lakes\AERMOD View\08344_El
Monte Walmart\08344_El Monte Walmart\0 ***        02/19/14
                                   ***
***        13:04:28

PAGE   1
 **MODELOPTs:  NonDFAULT CONC                                    FLAT
FLGPOL                       FASTALL


                                            ***     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   593 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9862049.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Assumes Receptors on FLAT Terrain.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTALL  - Use effective sigma-y to optimize meander for
                    POINT and VOLUME sources, and hybrid approach
                    to optimize AREA sources (formerly TOXICS option)

 **Model Accepts FLAGPOLE Receptor Heights.

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:    593 Source(s);       3 Source Group(s); and
3 Receptor(s)

 **The Model Assumes A Pollutant Type of:  OTHER

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

 **Output Options Selected:
          Model Outputs Tables of ANNUAL 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) =   182.00 ;
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 =      3.8 MB of RAM.

 **Detailed Error/Message File:   08344_El Monte Walmart (Schools).err
 **File for Summary of Results:   08344_El Monte Walmart (Schools).sum
```

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR VARY BY	EMIS RATE SCALAR
STCK1	0	0.39614E-04	403888.1	3771181.0	182.0	3.84	366.00	0.00	0.10	NO	YES	NO	
STCK2	0	0.39614E-04	403873.4	3771109.2	182.0	3.84	366.00	0.00	0.10	NO	YES	NO	
STCK3	0	0.48130E-05	403790.1	3771174.0	182.0	10.67	366.48	6.10	0.31	NO	YES	NO	

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001812	0	0.62840E-07	403865.3	3770931.9	182.0	0.00	1.70	0.85	YES
L0001813	0	0.62840E-07	403865.9	3770935.6	182.0	0.00	1.70	0.85	YES
L0001814	0	0.62840E-07	403866.4	3770939.2	182.0	0.00	1.70	0.85	YES
L0001815	0	0.62840E-07	403866.9	3770942.8	182.0	0.00	1.70	0.85	YES
L0001816	0	0.62840E-07	403867.5	3770946.4	182.0	0.00	1.70	0.85	YES
L0001817	0	0.62840E-07	403868.0	3770950.0	182.0	0.00	1.70	0.85	YES
L0001818	0	0.62840E-07	403868.5	3770953.7	182.0	0.00	1.70	0.85	YES
L0001819	0	0.62840E-07	403869.1	3770957.3	182.0	0.00	1.70	0.85	YES
L0001820	0	0.62840E-07	403869.6	3770960.9	182.0	0.00	1.70	0.85	YES
L0001821	0	0.62840E-07	403870.1	3770964.5	182.0	0.00	1.70	0.85	YES
L0001822	0	0.62840E-07	403870.7	3770968.1	182.0	0.00	1.70	0.85	YES
L0001823	0	0.62840E-07	403871.2	3770971.8	182.0	0.00	1.70	0.85	YES
L0001824	0	0.62840E-07	403871.7	3770975.4	182.0	0.00	1.70	0.85	YES
L0001825	0	0.62840E-07	403872.3	3770979.0	182.0	0.00	1.70	0.85	YES
L0001826	0	0.62840E-07	403872.8	3770982.6	182.0	0.00	1.70	0.85	YES

L0001827	0	0.62840E-07	403873.3	3770986.2	182.0	0.00	1.70	0.85	YES
L0001828	0	0.62840E-07	403873.9	3770989.9	182.0	0.00	1.70	0.85	YES
L0001829	0	0.62840E-07	403874.4	3770993.5	182.0	0.00	1.70	0.85	YES
L0001830	0	0.62840E-07	403874.9	3770997.1	182.0	0.00	1.70	0.85	YES
L0001831	0	0.62840E-07	403875.5	3771000.7	182.0	0.00	1.70	0.85	YES
L0001832	0	0.62840E-07	403876.0	3771004.4	182.0	0.00	1.70	0.85	YES
L0001833	0	0.62840E-07	403876.5	3771008.0	182.0	0.00	1.70	0.85	YES
L0001834	0	0.62840E-07	403877.1	3771011.6	182.0	0.00	1.70	0.85	YES
L0001835	0	0.62840E-07	403877.6	3771015.2	182.0	0.00	1.70	0.85	YES
L0001836	0	0.62840E-07	403878.1	3771018.8	182.0	0.00	1.70	0.85	YES
L0001837	0	0.62840E-07	403879.5	3771022.2	182.0	0.00	1.70	0.85	YES
L0001838	0	0.62840E-07	403881.0	3771025.6	182.0	0.00	1.70	0.85	YES
L0001839	0	0.62840E-07	403882.5	3771028.9	182.0	0.00	1.70	0.85	YES
L0001840	0	0.62840E-07	403884.0	3771032.2	182.0	0.00	1.70	0.85	YES
L0001841	0	0.62840E-07	403885.5	3771035.6	182.0	0.00	1.70	0.85	YES
L0001842	0	0.62840E-07	403887.0	3771038.9	182.0	0.00	1.70	0.85	YES
L0001843	0	0.62840E-07	403888.5	3771042.2	182.0	0.00	1.70	0.85	YES
L0001844	0	0.62840E-07	403890.4	3771045.3	182.0	0.00	1.70	0.85	YES
L0001845	0	0.62840E-07	403892.4	3771048.5	182.0	0.00	1.70	0.85	YES
L0001846	0	0.62840E-07	403893.2	3771052.0	182.0	0.00	1.70	0.85	YES
L0001847	0	0.62840E-07	403894.0	3771055.6	182.0	0.00	1.70	0.85	YES
L0001848	0	0.62840E-07	403894.7	3771059.2	182.0	0.00	1.70	0.85	YES
L0001849	0	0.62840E-07	403895.5	3771062.8	182.0	0.00	1.70	0.85	YES
L0001850	0	0.62840E-07	403896.2	3771066.3	182.0	0.00	1.70	0.85	YES
L0001851	0	0.62840E-07	403897.0	3771069.9	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001852	0	0.62840E-07	403897.7	3771073.5	182.0	0.00	1.70	0.85	YES	
L0001853	0	0.62840E-07	403898.4	3771077.1	182.0	0.00	1.70	0.85	YES	
L0001854	0	0.62840E-07	403899.2	3771080.7	182.0	0.00	1.70	0.85	YES	
L0001855	0	0.62840E-07	403899.9	3771084.3	182.0	0.00	1.70	0.85	YES	
L0001856	0	0.62840E-07	403900.6	3771087.9	182.0	0.00	1.70	0.85	YES	
L0001857	0	0.62840E-07	403901.4	3771091.4	182.0	0.00	1.70	0.85	YES	
L0001858	0	0.62840E-07	403902.1	3771095.0	182.0	0.00	1.70	0.85	YES	
L0001859	0	0.62840E-07	403902.8	3771098.6	182.0	0.00	1.70	0.85	YES	
L0001860	0	0.62840E-07	403903.6	3771102.2	182.0	0.00	1.70	0.85	YES	
L0001861	0	0.62840E-07	403904.3	3771105.8	182.0	0.00	1.70	0.85	YES	
L0001862	0	0.62840E-07	403905.0	3771109.4	182.0	0.00	1.70	0.85	YES	
L0001863	0	0.62840E-07	403905.7	3771113.0	182.0	0.00	1.70	0.85	YES	
L0001864	0	0.62840E-07	403906.5	3771116.5	182.0	0.00	1.70	0.85	YES	
L0001865	0	0.62840E-07	403907.2	3771120.1	182.0	0.00	1.70	0.85	YES	
L0001866	0	0.62840E-07	403907.9	3771123.7	182.0	0.00	1.70	0.85	YES	

L0001867	0	0.62840E-07	403908.7	3771127.3	182.0	0.00	1.70	0.85	YES
L0001868	0	0.62840E-07	403909.4	3771130.9	182.0	0.00	1.70	0.85	YES
L0001869	0	0.62840E-07	403910.1	3771134.5	182.0	0.00	1.70	0.85	YES
L0001870	0	0.62840E-07	403910.9	3771138.1	182.0	0.00	1.70	0.85	YES
L0001871	0	0.62840E-07	403911.6	3771141.7	182.0	0.00	1.70	0.85	YES
L0001872	0	0.62840E-07	403912.3	3771145.2	182.0	0.00	1.70	0.85	YES
L0001873	0	0.62840E-07	403913.1	3771148.8	182.0	0.00	1.70	0.85	YES
L0001874	0	0.62840E-07	403913.8	3771152.4	182.0	0.00	1.70	0.85	YES
L0001875	0	0.62840E-07	403914.5	3771156.0	182.0	0.00	1.70	0.85	YES
L0001876	0	0.62840E-07	403915.3	3771159.6	182.0	0.00	1.70	0.85	YES
L0001877	0	0.62840E-07	403916.0	3771163.2	182.0	0.00	1.70	0.85	YES
L0001878	0	0.62840E-07	403916.7	3771166.8	182.0	0.00	1.70	0.85	YES
L0001879	0	0.62840E-07	403917.4	3771170.3	182.0	0.00	1.70	0.85	YES
L0001880	0	0.62840E-07	403918.2	3771173.9	182.0	0.00	1.70	0.85	YES
L0001881	0	0.62840E-07	403918.9	3771177.5	182.0	0.00	1.70	0.85	YES
L0001882	0	0.62840E-07	403919.6	3771181.1	182.0	0.00	1.70	0.85	YES
L0001883	0	0.62840E-07	403920.4	3771184.7	182.0	0.00	1.70	0.85	YES
L0001884	0	0.62840E-07	403921.1	3771188.3	182.0	0.00	1.70	0.85	YES
L0001885	0	0.62840E-07	403921.8	3771191.9	182.0	0.00	1.70	0.85	YES
L0001886	0	0.62840E-07	403922.6	3771195.4	182.0	0.00	1.70	0.85	YES
L0001887	0	0.62840E-07	403923.3	3771199.0	182.0	0.00	1.70	0.85	YES
L0001888	0	0.62840E-07	403924.0	3771202.6	182.0	0.00	1.70	0.85	YES
L0001889	0	0.62840E-07	403924.8	3771206.2	182.0	0.00	1.70	0.85	YES
L0001890	0	0.62840E-07	403925.5	3771209.8	182.0	0.00	1.70	0.85	YES
L0001891	0	0.62840E-07	403926.2	3771213.4	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001892	0	0.62840E-07	403927.0	3771217.0	182.0	0.00	1.70	0.85	YES
L0001893	0	0.62840E-07	403927.7	3771220.5	182.0	0.00	1.70	0.85	YES
L0001894	0	0.62840E-07	403928.3	3771224.1	182.0	0.00	1.70	0.85	YES
L0001895	0	0.62840E-07	403929.0	3771227.8	182.0	0.00	1.70	0.85	YES
L0001896	0	0.62840E-07	403929.6	3771231.4	182.0	0.00	1.70	0.85	YES
L0001897	0	0.62840E-07	403930.3	3771235.0	182.0	0.00	1.70	0.85	YES
L0001898	0	0.62840E-07	403930.6	3771238.6	182.0	0.00	1.70	0.85	YES
L0001899	0	0.62840E-07	403930.1	3771242.1	182.0	0.00	1.70	0.85	YES
L0001900	0	0.62840E-07	403927.5	3771244.4	182.0	0.00	1.70	0.85	YES
L0001901	0	0.62840E-07	403924.5	3771246.5	182.0	0.00	1.70	0.85	YES
L0001902	0	0.62840E-07	403921.1	3771247.4	182.0	0.00	1.70	0.85	YES
L0001903	0	0.62840E-07	403917.5	3771247.1	182.0	0.00	1.70	0.85	YES
L0001904	0	0.62840E-07	403914.4	3771245.2	182.0	0.00	1.70	0.85	YES
L0001905	0	0.62840E-07	403912.4	3771242.2	182.0	0.00	1.70	0.85	YES
L0001906	0	0.62840E-07	403910.7	3771239.1	182.0	0.00	1.70	0.85	YES

L0001907		0	0.32770E-07	403863.4	3770922.3	182.0	0.00	1.70	0.85
YES									
L0001908		0	0.32770E-07	403859.9	3770921.6	182.0	0.00	1.70	0.85
YES									
L0001909		0	0.32770E-07	403856.2	3770921.8	182.0	0.00	1.70	0.85
YES									
L0001910		0	0.32770E-07	403852.6	3770922.0	182.0	0.00	1.70	0.85
YES									
L0001911		0	0.32770E-07	403848.9	3770922.2	182.0	0.00	1.70	0.85
YES									
L0001912		0	0.32770E-07	403845.3	3770922.4	182.0	0.00	1.70	0.85
YES									
L0001913		0	0.32770E-07	403841.6	3770922.6	182.0	0.00	1.70	0.85
YES									
L0001914		0	0.32770E-07	403837.9	3770922.8	182.0	0.00	1.70	0.85
YES									
L0001915		0	0.32770E-07	403834.3	3770923.0	182.0	0.00	1.70	0.85
YES									
L0001916		0	0.32770E-07	403830.6	3770923.2	182.0	0.00	1.70	0.85
YES									
L0001917		0	0.32770E-07	403827.0	3770923.4	182.0	0.00	1.70	0.85
YES									
L0001918		0	0.32770E-07	403823.3	3770923.6	182.0	0.00	1.70	0.85
YES									
L0001919		0	0.32770E-07	403819.7	3770923.8	182.0	0.00	1.70	0.85
YES									
L0001920		0	0.32770E-07	403816.0	3770924.0	182.0	0.00	1.70	0.85
YES									
L0001921		0	0.32770E-07	403812.4	3770924.2	182.0	0.00	1.70	0.85
YES									
L0001922		0	0.32770E-07	403808.7	3770924.4	182.0	0.00	1.70	0.85
YES									
L0001923		0	0.32770E-07	403805.1	3770924.6	182.0	0.00	1.70	0.85
YES									
L0001924		0	0.32770E-07	403801.4	3770924.8	182.0	0.00	1.70	0.85
YES									
L0001925		0	0.32770E-07	403797.7	3770925.0	182.0	0.00	1.70	0.85
YES									
L0001926		0	0.32770E-07	403794.1	3770925.2	182.0	0.00	1.70	0.85
YES									
L0001927		0	0.32770E-07	403790.4	3770925.4	182.0	0.00	1.70	0.85
YES									
L0001928		0	0.32770E-07	403786.8	3770925.6	182.0	0.00	1.70	0.85
YES									
L0001929		0	0.32770E-07	403783.1	3770925.8	182.0	0.00	1.70	0.85
YES									
L0001930		0	0.32770E-07	403779.5	3770926.0	182.0	0.00	1.70	0.85
YES									
L0001931		0	0.32770E-07	403775.8	3770926.2	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0001932	0	0.32770E-07	403772.2	3770926.4	182.0	0.00	1.70	0.85	YES
L0001933	0	0.32770E-07	403768.5	3770926.6	182.0	0.00	1.70	0.85	YES
L0001934	0	0.32770E-07	403764.9	3770926.8	182.0	0.00	1.70	0.85	YES
L0001935	0	0.32770E-07	403761.2	3770927.0	182.0	0.00	1.70	0.85	YES
L0001936	0	0.32770E-07	403757.5	3770927.2	182.0	0.00	1.70	0.85	YES
L0001937	0	0.32770E-07	403753.9	3770927.4	182.0	0.00	1.70	0.85	YES
L0001938	0	0.32770E-07	403750.2	3770927.6	182.0	0.00	1.70	0.85	YES
L0001939	0	0.32770E-07	403746.6	3770927.8	182.0	0.00	1.70	0.85	YES
L0001940	0	0.32770E-07	403742.9	3770928.0	182.0	0.00	1.70	0.85	YES
L0001941	0	0.32770E-07	403739.3	3770928.2	182.0	0.00	1.70	0.85	YES
L0001942	0	0.32770E-07	403735.6	3770928.4	182.0	0.00	1.70	0.85	YES
L0001943	0	0.32770E-07	403732.0	3770928.6	182.0	0.00	1.70	0.85	YES
L0001944	0	0.32770E-07	403728.3	3770928.8	182.0	0.00	1.70	0.85	YES
L0001945	0	0.32770E-07	403724.7	3770929.0	182.0	0.00	1.70	0.85	YES
L0001946	0	0.32770E-07	403721.0	3770929.2	182.0	0.00	1.70	0.85	YES

L0001947	0	0.32770E-07	403717.3	3770929.4	182.0	0.00	1.70	0.85	YES
L0001948	0	0.32770E-07	403713.7	3770929.6	182.0	0.00	1.70	0.85	YES
L0001949	0	0.32770E-07	403710.0	3770929.8	182.0	0.00	1.70	0.85	YES
L0001950	0	0.32770E-07	403706.4	3770930.0	182.0	0.00	1.70	0.85	YES
L0001951	0	0.32770E-07	403702.7	3770930.2	182.0	0.00	1.70	0.85	YES
L0001952	0	0.32770E-07	403699.1	3770930.4	182.0	0.00	1.70	0.85	YES
L0001953	0	0.32770E-07	403695.4	3770930.6	182.0	0.00	1.70	0.85	YES
L0001954	0	0.32770E-07	403691.8	3770930.8	182.0	0.00	1.70	0.85	YES
L0001955	0	0.32770E-07	403688.1	3770931.1	182.0	0.00	1.70	0.85	YES
L0001956	0	0.32770E-07	403684.5	3770931.4	182.0	0.00	1.70	0.85	YES
L0001957	0	0.32770E-07	403680.8	3770931.6	182.0	0.00	1.70	0.85	YES
L0001958	0	0.32770E-07	403677.2	3770931.9	182.0	0.00	1.70	0.85	YES
L0001959	0	0.32770E-07	403673.5	3770932.2	182.0	0.00	1.70	0.85	YES
L0001960	0	0.32770E-07	403669.9	3770932.5	182.0	0.00	1.70	0.85	YES
L0001961	0	0.32770E-07	403666.2	3770932.8	182.0	0.00	1.70	0.85	YES
L0001962	0	0.32770E-07	403662.6	3770933.1	182.0	0.00	1.70	0.85	YES
L0001963	0	0.32770E-07	403658.9	3770933.4	182.0	0.00	1.70	0.85	YES
L0001964	0	0.32770E-07	403655.3	3770933.6	182.0	0.00	1.70	0.85	YES
L0001965	0	0.32770E-07	403651.6	3770933.9	182.0	0.00	1.70	0.85	YES
L0001966	0	0.32770E-07	403648.0	3770934.2	182.0	0.00	1.70	0.85	YES
L0001967	0	0.32770E-07	403644.3	3770934.5	182.0	0.00	1.70	0.85	YES
L0001968	0	0.32770E-07	403640.7	3770934.8	182.0	0.00	1.70	0.85	YES
L0001969	0	0.32770E-07	403637.0	3770935.1	182.0	0.00	1.70	0.85	YES
L0001970	0	0.32770E-07	403633.4	3770935.4	182.0	0.00	1.70	0.85	YES
L0001971	0	0.32770E-07	403629.7	3770935.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0001972	0	0.32770E-07	403626.1	3770936.2	182.0	0.00	1.70	0.85	YES	
L0001973	0	0.32770E-07	403622.5	3770936.6	182.0	0.00	1.70	0.85	YES	
L0001974	0	0.32770E-07	403618.8	3770937.1	182.0	0.00	1.70	0.85	YES	
L0001975	0	0.32770E-07	403615.2	3770937.5	182.0	0.00	1.70	0.85	YES	
L0001976	0	0.32770E-07	403611.6	3770938.0	182.0	0.00	1.70	0.85	YES	
L0001977	0	0.32770E-07	403608.0	3770938.5	182.0	0.00	1.70	0.85	YES	
L0001978	0	0.32770E-07	403604.3	3770938.9	182.0	0.00	1.70	0.85	YES	
L0001979	0	0.32770E-07	403600.7	3770939.4	182.0	0.00	1.70	0.85	YES	
L0001980	0	0.32770E-07	403597.1	3770939.8	182.0	0.00	1.70	0.85	YES	
L0001981	0	0.32770E-07	403593.4	3770940.4	182.0	0.00	1.70	0.85	YES	
L0001982	0	0.32770E-07	403589.9	3770941.2	182.0	0.00	1.70	0.85	YES	
L0001983	0	0.32770E-07	403586.3	3770942.0	182.0	0.00	1.70	0.85	YES	
L0001984	0	0.32770E-07	403582.7	3770942.8	182.0	0.00	1.70	0.85	YES	
L0001985	0	0.32770E-07	403579.2	3770943.6	182.0	0.00	1.70	0.85	YES	
L0001986	0	0.32770E-07	403575.6	3770944.4	182.0	0.00	1.70	0.85	YES	

L0001987		0	0.32770E-07	403572.0	3770945.2	182.0	0.00	1.70	0.85
L0001988		0	0.32770E-07	403568.4	3770946.0	182.0	0.00	1.70	0.85
L0001989		0	0.32770E-07	403564.9	3770946.8	182.0	0.00	1.70	0.85
L0001990		0	0.32770E-07	403561.3	3770947.5	182.0	0.00	1.70	0.85
L0001991		0	0.32770E-07	403557.7	3770948.3	182.0	0.00	1.70	0.85
L0001992		0	0.32770E-07	403554.1	3770949.1	182.0	0.00	1.70	0.85
L0001993		0	0.32770E-07	403550.6	3770949.9	182.0	0.00	1.70	0.85
L0001994		0	0.32770E-07	403547.0	3770950.7	182.0	0.00	1.70	0.85
L0001995		0	0.32770E-07	403543.4	3770951.5	182.0	0.00	1.70	0.85
L0001996		0	0.32770E-07	403539.9	3770952.3	182.0	0.00	1.70	0.85
L0001997		0	0.32770E-07	403536.3	3770953.1	182.0	0.00	1.70	0.85
L0001998		0	0.32770E-07	403532.7	3770953.9	182.0	0.00	1.70	0.85
L0001999		0	0.32770E-07	403529.1	3770954.7	182.0	0.00	1.70	0.85
L0002000		0	0.32770E-07	403525.6	3770955.8	182.0	0.00	1.70	0.85
L0002001		0	0.32770E-07	403522.1	3770956.8	182.0	0.00	1.70	0.85
L0002002		0	0.32770E-07	403518.6	3770957.9	182.0	0.00	1.70	0.85
L0002003		0	0.32770E-07	403515.1	3770959.0	182.0	0.00	1.70	0.85
L0002004		0	0.32770E-07	403511.6	3770960.1	182.0	0.00	1.70	0.85
L0002005		0	0.32770E-07	403508.1	3770961.1	182.0	0.00	1.70	0.85
L0002006		0	0.32770E-07	403504.6	3770962.2	182.0	0.00	1.70	0.85
L0002007		0	0.32770E-07	403501.1	3770963.3	182.0	0.00	1.70	0.85
L0002008		0	0.32770E-07	403497.6	3770964.4	182.0	0.00	1.70	0.85
L0002009		0	0.32770E-07	403494.2	3770965.4	182.0	0.00	1.70	0.85
L0002010		0	0.32770E-07	403490.7	3770966.5	182.0	0.00	1.70	0.85
L0002011		0	0.32770E-07	403487.2	3770967.7	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002012	0	0.32770E-07	403483.7	3770968.9	182.0	0.00	1.70	0.85	YES
L0002013	0	0.32770E-07	403480.3	3770970.2	182.0	0.00	1.70	0.85	YES
L0002014	0	0.32770E-07	403476.8	3770971.4	182.0	0.00	1.70	0.85	YES
L0002015	0	0.32770E-07	403473.4	3770972.6	182.0	0.00	1.70	0.85	YES
L0002016	0	0.32770E-07	403469.9	3770973.8	182.0	0.00	1.70	0.85	YES
L0002017	0	0.32770E-07	403466.5	3770975.1	182.0	0.00	1.70	0.85	YES
L0002018	0	0.32770E-07	403463.0	3770976.3	182.0	0.00	1.70	0.85	YES
L0002019	0	0.32770E-07	403459.6	3770977.5	182.0	0.00	1.70	0.85	YES
L0002020	0	0.32770E-07	403456.1	3770978.7	182.0	0.00	1.70	0.85	YES
L0002021	0	0.32770E-07	403452.7	3770980.0	182.0	0.00	1.70	0.85	YES
L0002022	0	0.32770E-07	403449.3	3770981.2	182.0	0.00	1.70	0.85	YES
L0002023	0	0.32770E-07	403445.8	3770982.4	182.0	0.00	1.70	0.85	YES
L0002024	0	0.32770E-07	403442.4	3770983.6	182.0	0.00	1.70	0.85	YES
L0002025	0	0.32770E-07	403438.9	3770984.9	182.0	0.00	1.70	0.85	YES
L0002026	0	0.32770E-07	403435.5	3770986.1	182.0	0.00	1.70	0.85	YES

L0002027	0	0.32770E-07	403432.1	3770987.5	182.0	0.00	1.70	0.85	YES
L0002028	0	0.32770E-07	403428.7	3770989.0	182.0	0.00	1.70	0.85	YES
L0002029	0	0.32770E-07	403425.4	3770990.4	182.0	0.00	1.70	0.85	YES
L0002030	0	0.32770E-07	403422.0	3770991.9	182.0	0.00	1.70	0.85	YES
L0002031	0	0.32770E-07	403418.7	3770993.4	182.0	0.00	1.70	0.85	YES
L0002032	0	0.32770E-07	403415.3	3770994.8	182.0	0.00	1.70	0.85	YES
L0002033	0	0.32770E-07	403412.0	3770996.3	182.0	0.00	1.70	0.85	YES
L0002034	0	0.32770E-07	403408.6	3770997.8	182.0	0.00	1.70	0.85	YES
L0002035	0	0.32770E-07	403405.3	3770999.2	182.0	0.00	1.70	0.85	YES
L0002036	0	0.32770E-07	403401.9	3771000.7	182.0	0.00	1.70	0.85	YES
L0002037	0	0.32770E-07	403398.5	3771002.2	182.0	0.00	1.70	0.85	YES
L0002038	0	0.32770E-07	403395.2	3771003.6	182.0	0.00	1.70	0.85	YES
L0002039	0	0.32770E-07	403391.8	3771005.1	182.0	0.00	1.70	0.85	YES
L0002040	0	0.32770E-07	403388.5	3771006.6	182.0	0.00	1.70	0.85	YES
L0002041	0	0.32770E-07	403385.1	3771008.0	182.0	0.00	1.70	0.85	YES
L0002042	0	0.32770E-07	403381.8	3771009.5	182.0	0.00	1.70	0.85	YES
L0002043	0	0.32770E-07	403378.4	3771011.0	182.0	0.00	1.70	0.85	YES
L0002044	0	0.32770E-07	403375.1	3771012.4	182.0	0.00	1.70	0.85	YES
L0002045	0	0.32770E-07	403371.7	3771013.9	182.0	0.00	1.70	0.85	YES
L0002046	0	0.32770E-07	403368.4	3771015.3	182.0	0.00	1.70	0.85	YES
L0002047	0	0.32770E-07	403365.0	3771016.8	182.0	0.00	1.70	0.85	YES
L0002048	0	0.32770E-07	403361.7	3771018.3	182.0	0.00	1.70	0.85	YES
L0002049	0	0.32770E-07	403358.3	3771019.7	182.0	0.00	1.70	0.85	YES
L0002050	0	0.32770E-07	403354.9	3771021.2	182.0	0.00	1.70	0.85	YES
L0002051	0	0.32770E-07	403351.6	3771022.7	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002052	0	0.32770E-07	403348.2	3771024.1	182.0	0.00	1.70	0.85	YES	
L0002053	0	0.32770E-07	403344.9	3771025.6	182.0	0.00	1.70	0.85	YES	
L0002054	0	0.32770E-07	403341.5	3771027.1	182.0	0.00	1.70	0.85	YES	
L0002055	0	0.32770E-07	403338.2	3771028.5	182.0	0.00	1.70	0.85	YES	
L0002056	0	0.32770E-07	403334.8	3771030.0	182.0	0.00	1.70	0.85	YES	
L0002057	0	0.32770E-07	403331.5	3771031.5	182.0	0.00	1.70	0.85	YES	
L0002058	0	0.32770E-07	403328.1	3771033.0	182.0	0.00	1.70	0.85	YES	
L0002059	0	0.32770E-07	403324.9	3771034.6	182.0	0.00	1.70	0.85	YES	
L0002060	0	0.32770E-07	403321.6	3771036.3	182.0	0.00	1.70	0.85	YES	
L0002061	0	0.32770E-07	403318.3	3771037.9	182.0	0.00	1.70	0.85	YES	
L0002062	0	0.32770E-07	403315.1	3771039.6	182.0	0.00	1.70	0.85	YES	
L0002063	0	0.32770E-07	403311.8	3771041.2	182.0	0.00	1.70	0.85	YES	
L0002064	0	0.32770E-07	403308.5	3771042.9	182.0	0.00	1.70	0.85	YES	
L0002065	0	0.32770E-07	403305.3	3771044.5	182.0	0.00	1.70	0.85	YES	
L0002066	0	0.32770E-07	403302.0	3771046.2	182.0	0.00	1.70	0.85	YES	

L0002067		0	0.32770E-07	403298.7	3771047.8	182.0	0.00	1.70	0.85
YES									
L0002068		0	0.32770E-07	403295.5	3771049.5	182.0	0.00	1.70	0.85
YES									
L0002069		0	0.32770E-07	403292.2	3771051.1	182.0	0.00	1.70	0.85
YES									
L0002070		0	0.32770E-07	403288.9	3771052.8	182.0	0.00	1.70	0.85
YES									
L0002071		0	0.32770E-07	403285.7	3771054.4	182.0	0.00	1.70	0.85
YES									
L0002072		0	0.32770E-07	403282.4	3771056.1	182.0	0.00	1.70	0.85
YES									
L0002073		0	0.32770E-07	403279.1	3771057.7	182.0	0.00	1.70	0.85
YES									
L0002074		0	0.32770E-07	403275.9	3771059.4	182.0	0.00	1.70	0.85
YES									
L0002075		0	0.32770E-07	403272.6	3771061.0	182.0	0.00	1.70	0.85
YES									
L0002076		0	0.32770E-07	403269.3	3771062.6	182.0	0.00	1.70	0.85
YES									
L0002077		0	0.32770E-07	403266.0	3771064.3	182.0	0.00	1.70	0.85
YES									
L0002078		0	0.32770E-07	403262.8	3771065.9	182.0	0.00	1.70	0.85
YES									
L0002079		0	0.32770E-07	403259.5	3771067.6	182.0	0.00	1.70	0.85
YES									
L0002080		0	0.32770E-07	403256.2	3771069.2	182.0	0.00	1.70	0.85
YES									
L0002081		0	0.32770E-07	403253.0	3771070.9	182.0	0.00	1.70	0.85
YES									
L0002082		0	0.32770E-07	403249.7	3771072.5	182.0	0.00	1.70	0.85
YES									
L0002083		0	0.32770E-07	403246.4	3771074.2	182.0	0.00	1.70	0.85
YES									
L0002084		0	0.32770E-07	403243.2	3771075.8	182.0	0.00	1.70	0.85
YES									
L0002085		0	0.32770E-07	403239.9	3771077.5	182.0	0.00	1.70	0.85
YES									
L0002086		0	0.32770E-07	403236.6	3771079.1	182.0	0.00	1.70	0.85
YES									
L0002087		0	0.32770E-07	403233.4	3771080.8	182.0	0.00	1.70	0.85
YES									
L0002088		0	0.32770E-07	403230.1	3771082.4	182.0	0.00	1.70	0.85
YES									
L0002089		0	0.32770E-07	403226.8	3771084.1	182.0	0.00	1.70	0.85
YES									
L0002090		0	0.32770E-07	403223.6	3771085.7	182.0	0.00	1.70	0.85
YES									
L0002091		0	0.32770E-07	403220.3	3771087.3	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002092	0	0.32770E-07	403217.0	3771089.0	182.0	0.00	1.70	0.85	YES
L0002093	0	0.32770E-07	403213.8	3771090.6	182.0	0.00	1.70	0.85	YES
L0002094	0	0.32770E-07	403210.5	3771092.3	182.0	0.00	1.70	0.85	YES
L0002095	0	0.32770E-07	403207.2	3771093.9	182.0	0.00	1.70	0.85	YES
L0002096	0	0.32770E-07	403203.9	3771095.6	182.0	0.00	1.70	0.85	YES
L0002097	0	0.32770E-07	403200.7	3771097.2	182.0	0.00	1.70	0.85	YES
L0002098	0	0.32770E-07	403197.4	3771098.9	182.0	0.00	1.70	0.85	YES
L0002099	0	0.32770E-07	403194.1	3771100.5	182.0	0.00	1.70	0.85	YES
L0002100	0	0.32770E-07	403190.9	3771102.2	182.0	0.00	1.70	0.85	YES
L0002101	0	0.32770E-07	403187.6	3771103.8	182.0	0.00	1.70	0.85	YES
L0002102	0	0.32770E-07	403184.3	3771105.5	182.0	0.00	1.70	0.85	YES
L0002103	0	0.32770E-07	403181.1	3771107.1	182.0	0.00	1.70	0.85	YES
L0002104	0	0.32770E-07	403177.8	3771108.8	182.0	0.00	1.70	0.85	YES
L0002105	0	0.32770E-07	403174.5	3771110.4	182.0	0.00	1.70	0.85	YES
L0002106	0	0.32770E-07	403171.3	3771112.1	182.0	0.00	1.70	0.85	YES

L0002107		0	0.32770E-07	403168.0	3771113.7	182.0	0.00	1.70	0.85
L0002108		0	0.32770E-07	403164.7	3771115.3	182.0	0.00	1.70	0.85
L0002109		0	0.32770E-07	403161.5	3771117.0	182.0	0.00	1.70	0.85
L0002110		0	0.32770E-07	403158.2	3771118.6	182.0	0.00	1.70	0.85
L0002111		0	0.32770E-07	403154.9	3771120.3	182.0	0.00	1.70	0.85
L0002112		0	0.32770E-07	403151.6	3771121.9	182.0	0.00	1.70	0.85
L0002113		0	0.32770E-07	403148.4	3771123.6	182.0	0.00	1.70	0.85
L0002114		0	0.32770E-07	403145.1	3771125.2	182.0	0.00	1.70	0.85
L0002115		0	0.32770E-07	403141.8	3771126.9	182.0	0.00	1.70	0.85
L0002116		0	0.32770E-07	403138.6	3771128.5	182.0	0.00	1.70	0.85
L0002117		0	0.32770E-07	403135.3	3771130.2	182.0	0.00	1.70	0.85
L0002118		0	0.32770E-07	403132.0	3771131.8	182.0	0.00	1.70	0.85
L0002119		0	0.32770E-07	403128.8	3771133.5	182.0	0.00	1.70	0.85
L0002120		0	0.32770E-07	403125.5	3771135.1	182.0	0.00	1.70	0.85
L0002121		0	0.32770E-07	403122.2	3771136.8	182.0	0.00	1.70	0.85
L0002122		0	0.32770E-07	403119.0	3771138.4	182.0	0.00	1.70	0.85
L0002123		0	0.32770E-07	403115.7	3771140.0	182.0	0.00	1.70	0.85
L0002124		0	0.32770E-07	403112.4	3771141.7	182.0	0.00	1.70	0.85
L0002125		0	0.32770E-07	403109.2	3771143.3	182.0	0.00	1.70	0.85
L0002126		0	0.32770E-07	403105.9	3771145.0	182.0	0.00	1.70	0.85
L0002127		0	0.32770E-07	403102.6	3771146.6	182.0	0.00	1.70	0.85
L0002128		0	0.32770E-07	403099.3	3771148.3	182.0	0.00	1.70	0.85
L0002129		0	0.32770E-07	403096.1	3771149.9	182.0	0.00	1.70	0.85
L0002130		0	0.32770E-07	403092.8	3771151.6	182.0	0.00	1.70	0.85
L0002131		0	0.32770E-07	403089.5	3771153.2	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002132	0	0.32770E-07	403086.3	3771154.9	182.0	0.00	1.70	0.85	YES
L0002133	0	0.32770E-07	403083.0	3771156.5	182.0	0.00	1.70	0.85	YES
L0002134	0	0.32770E-07	403079.7	3771158.2	182.0	0.00	1.70	0.85	YES
L0002135	0	0.32770E-07	403076.5	3771159.8	182.0	0.00	1.70	0.85	YES
L0002136	0	0.32770E-07	403073.2	3771161.5	182.0	0.00	1.70	0.85	YES
L0002137	0	0.32770E-07	403069.9	3771163.1	182.0	0.00	1.70	0.85	YES
L0002138	0	0.32770E-07	403066.7	3771164.7	182.0	0.00	1.70	0.85	YES
L0002139	0	0.32770E-07	403063.4	3771166.4	182.0	0.00	1.70	0.85	YES
L0002140	0	0.32770E-07	403060.1	3771168.0	182.0	0.00	1.70	0.85	YES
L0002141	0	0.32770E-07	403056.9	3771169.7	182.0	0.00	1.70	0.85	YES
L0002142	0	0.32770E-07	403053.6	3771171.3	182.0	0.00	1.70	0.85	YES
L0002143	0	0.32770E-07	403050.3	3771173.0	182.0	0.00	1.70	0.85	YES
L0002144	0	0.32770E-07	403047.1	3771174.6	182.0	0.00	1.70	0.85	YES
L0002145	0	0.32770E-07	403043.8	3771176.3	182.0	0.00	1.70	0.85	YES
L0002146	0	0.32770E-07	403040.5	3771177.9	182.0	0.00	1.70	0.85	YES

L0002147		0	0.32770E-07	403037.2	3771179.6	182.0	0.00	1.70	0.85
L0002148		0	0.32770E-07	403034.0	3771181.2	182.0	0.00	1.70	0.85
L0002149		0	0.32770E-07	403030.7	3771182.9	182.0	0.00	1.70	0.85
L0002150		0	0.32770E-07	403027.4	3771184.5	182.0	0.00	1.70	0.85
L0002151		0	0.32770E-07	403024.2	3771186.2	182.0	0.00	1.70	0.85
L0002152		0	0.32770E-07	403020.9	3771187.8	182.0	0.00	1.70	0.85
L0002153		0	0.32770E-07	403017.6	3771189.5	182.0	0.00	1.70	0.85
L0002154		0	0.32770E-07	403014.4	3771191.1	182.0	0.00	1.70	0.85
L0002155		0	0.32770E-07	403011.1	3771192.7	182.0	0.00	1.70	0.85
L0002156		0	0.32770E-07	403007.8	3771194.4	182.0	0.00	1.70	0.85
L0002157		0	0.32770E-07	403004.6	3771196.0	182.0	0.00	1.70	0.85
L0002158		0	0.32770E-07	403001.3	3771197.7	182.0	0.00	1.70	0.85
L0002159		0	0.32770E-07	402998.0	3771199.3	182.0	0.00	1.70	0.85
L0002160		0	0.32770E-07	402994.8	3771201.0	182.0	0.00	1.70	0.85
L0002161		0	0.32770E-07	402991.5	3771202.6	182.0	0.00	1.70	0.85
L0002162		0	0.32770E-07	402988.2	3771204.3	182.0	0.00	1.70	0.85
L0002163		0	0.32770E-07	402985.0	3771205.9	182.0	0.00	1.70	0.85
L0002164		0	0.32770E-07	402981.7	3771207.6	182.0	0.00	1.70	0.85
L0002165		0	0.32770E-07	402978.4	3771209.2	182.0	0.00	1.70	0.85
L0002166		0	0.32770E-07	402975.1	3771210.9	182.0	0.00	1.70	0.85
L0002167		0	0.32770E-07	402971.9	3771212.5	182.0	0.00	1.70	0.85
L0002168		0	0.32770E-07	402968.6	3771214.2	182.0	0.00	1.70	0.85
L0002169		0	0.32770E-07	402965.3	3771215.8	182.0	0.00	1.70	0.85
L0002170		0	0.32770E-07	402962.1	3771217.4	182.0	0.00	1.70	0.85
L0002171		0	0.32770E-07	402958.8	3771219.1	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002172	0	0.32770E-07	402955.5	3771220.7	182.0	0.00	1.70	0.85	YES
L0002173	0	0.32770E-07	402952.3	3771222.4	182.0	0.00	1.70	0.85	YES
L0002174	0	0.32770E-07	402949.0	3771224.0	182.0	0.00	1.70	0.85	YES
L0002175	0	0.32770E-07	402945.7	3771225.7	182.0	0.00	1.70	0.85	YES
L0002176	0	0.32770E-07	402942.5	3771227.3	182.0	0.00	1.70	0.85	YES
L0002177	0	0.32770E-07	402939.2	3771229.0	182.0	0.00	1.70	0.85	YES
L0002178	0	0.32770E-07	402936.1	3771230.2	182.0	0.00	1.70	0.85	YES
L0002179	0	0.32770E-07	402935.0	3771226.7	182.0	0.00	1.70	0.85	YES
L0002180	0	0.32770E-07	402934.0	3771223.2	182.0	0.00	1.70	0.85	YES
L0002181	0	0.32770E-07	402932.9	3771219.7	182.0	0.00	1.70	0.85	YES
L0002182	0	0.32770E-07	402931.8	3771216.2	182.0	0.00	1.70	0.85	YES
L0002183	0	0.32770E-07	402930.7	3771212.7	182.0	0.00	1.70	0.85	YES
L0002184	0	0.32770E-07	402929.6	3771209.2	182.0	0.00	1.70	0.85	YES
L0002185	0	0.32770E-07	402928.6	3771205.7	182.0	0.00	1.70	0.85	YES
L0002186	0	0.32770E-07	402927.5	3771202.2	182.0	0.00	1.70	0.85	YES

L0002187		0	0.32770E-07	402926.4	3771198.7	182.0	0.00	1.70	0.85
YES									
L0002188		0	0.32770E-07	402925.3	3771195.2	182.0	0.00	1.70	0.85
YES									
L0002189		0	0.32770E-07	402924.3	3771191.7	182.0	0.00	1.70	0.85
YES									
L0002190		0	0.32770E-07	402923.2	3771188.2	182.0	0.00	1.70	0.85
YES									
L0002191		0	0.32770E-07	402922.1	3771184.7	182.0	0.00	1.70	0.85
YES									
L0002192		0	0.32770E-07	402921.0	3771181.2	182.0	0.00	1.70	0.85
YES									
L0002193		0	0.32770E-07	402919.9	3771177.7	182.0	0.00	1.70	0.85
YES									
L0002194		0	0.32770E-07	402918.9	3771174.2	182.0	0.00	1.70	0.85
YES									
L0002195		0	0.32770E-07	402917.8	3771170.7	182.0	0.00	1.70	0.85
YES									
L0002196		0	0.32770E-07	402916.7	3771167.2	182.0	0.00	1.70	0.85
YES									
L0002197		0	0.32770E-07	402915.6	3771163.7	182.0	0.00	1.70	0.85
YES									
L0002198		0	0.32770E-07	402914.6	3771160.2	182.0	0.00	1.70	0.85
YES									
L0002199		0	0.32770E-07	402913.6	3771156.7	182.0	0.00	1.70	0.85
YES									
L0002200		0	0.32770E-07	402912.5	3771153.2	182.0	0.00	1.70	0.85
YES									
L0002201		0	0.32770E-07	402911.5	3771149.7	182.0	0.00	1.70	0.85
YES									
L0002202		0	0.32770E-07	402910.4	3771146.2	182.0	0.00	1.70	0.85
YES									
L0002203		0	0.32770E-07	402909.4	3771142.6	182.0	0.00	1.70	0.85
YES									
L0002204		0	0.32770E-07	402908.3	3771139.1	182.0	0.00	1.70	0.85
YES									
L0002205		0	0.32770E-07	402907.3	3771135.6	182.0	0.00	1.70	0.85
YES									
L0002206		0	0.32770E-07	402906.2	3771132.1	182.0	0.00	1.70	0.85
YES									
L0002207		0	0.32770E-07	402905.2	3771128.6	182.0	0.00	1.70	0.85
YES									
L0002208		0	0.32770E-07	402904.2	3771125.1	182.0	0.00	1.70	0.85
YES									
L0002209		0	0.32770E-07	402903.1	3771121.6	182.0	0.00	1.70	0.85
YES									
L0002210		0	0.32770E-07	402902.1	3771118.1	182.0	0.00	1.70	0.85
YES									
L0002211		0	0.32770E-07	402901.0	3771114.6	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002212	0	0.32770E-07	402900.0	3771111.1	182.0	0.00	1.70	0.85	YES	
L0002213	0	0.32770E-07	402898.9	3771107.6	182.0	0.00	1.70	0.85	YES	
L0002214	0	0.32770E-07	402897.9	3771104.1	182.0	0.00	1.70	0.85	YES	
L0002215	0	0.32770E-07	402896.8	3771100.6	182.0	0.00	1.70	0.85	YES	
L0002216	0	0.32770E-07	402895.8	3771097.0	182.0	0.00	1.70	0.85	YES	
L0002217	0	0.32770E-07	402894.8	3771093.5	182.0	0.00	1.70	0.85	YES	
L0002218	0	0.32770E-07	402893.7	3771090.0	182.0	0.00	1.70	0.85	YES	
L0002219	0	0.32770E-07	402892.7	3771086.5	182.0	0.00	1.70	0.85	YES	
L0002220	0	0.32770E-07	402891.6	3771083.0	182.0	0.00	1.70	0.85	YES	
L0002221	0	0.32770E-07	402890.6	3771079.5	182.0	0.00	1.70	0.85	YES	
L0002222	0	0.32770E-07	402889.5	3771076.0	182.0	0.00	1.70	0.85	YES	
L0002223	0	0.32770E-07	402888.5	3771072.5	182.0	0.00	1.70	0.85	YES	
L0002224	0	0.32770E-07	402887.5	3771069.0	182.0	0.00	1.70	0.85	YES	
L0002225	0	0.32770E-07	402886.4	3771065.5	182.0	0.00	1.70	0.85	YES	
L0002226	0	0.32770E-07	402885.4	3771062.0	182.0	0.00	1.70	0.85	YES	

L0002227		0	0.32770E-07	402884.3	3771058.5	182.0	0.00	1.70	0.85
L0002228		0	0.32770E-07	402883.3	3771054.9	182.0	0.00	1.70	0.85
L0002229		0	0.32770E-07	402882.2	3771051.4	182.0	0.00	1.70	0.85
L0002230		0	0.32770E-07	402881.2	3771047.9	182.0	0.00	1.70	0.85
L0002231		0	0.32770E-07	402880.1	3771044.4	182.0	0.00	1.70	0.85
L0002232		0	0.32770E-07	402879.1	3771040.9	182.0	0.00	1.70	0.85
L0002233		0	0.32770E-07	402878.1	3771037.4	182.0	0.00	1.70	0.85
L0002234		0	0.32770E-07	402877.0	3771033.9	182.0	0.00	1.70	0.85
L0002235		0	0.32770E-07	402876.0	3771030.4	182.0	0.00	1.70	0.85
L0002236		0	0.32770E-07	402874.9	3771026.9	182.0	0.00	1.70	0.85
L0002237		0	0.32770E-07	402873.9	3771023.4	182.0	0.00	1.70	0.85
L0002238		0	0.32770E-07	402872.8	3771019.9	182.0	0.00	1.70	0.85
L0002239		0	0.32770E-07	402871.8	3771016.4	182.0	0.00	1.70	0.85
L0002240		0	0.32770E-07	402871.0	3771012.8	182.0	0.00	1.70	0.85
L0002241		0	0.32770E-07	402870.1	3771009.2	182.0	0.00	1.70	0.85
L0002242		0	0.32770E-07	402869.3	3771005.7	182.0	0.00	1.70	0.85
L0002243		0	0.32770E-07	402868.4	3771002.1	182.0	0.00	1.70	0.85
L0002244		0	0.32770E-07	402867.5	3770998.6	182.0	0.00	1.70	0.85
L0002245		0	0.32770E-07	402866.7	3770995.0	182.0	0.00	1.70	0.85
L0002246		0	0.32770E-07	402865.8	3770991.4	182.0	0.00	1.70	0.85
L0002247		0	0.32770E-07	402865.0	3770987.9	182.0	0.00	1.70	0.85
L0002248		0	0.32770E-07	402864.1	3770984.3	182.0	0.00	1.70	0.85
L0002249		0	0.32770E-07	402863.3	3770980.8	182.0	0.00	1.70	0.85
L0002250		0	0.32770E-07	402862.4	3770977.2	182.0	0.00	1.70	0.85
L0002251		0	0.32770E-07	402861.6	3770973.6	182.0	0.00	1.70	0.85

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002252	0	0.32770E-07	402860.7	3770970.1	182.0	0.00	1.70	0.85	YES	
L0002253	0	0.32770E-07	402859.9	3770966.5	182.0	0.00	1.70	0.85	YES	
L0002254	0	0.32770E-07	402859.0	3770963.0	182.0	0.00	1.70	0.85	YES	
L0002255	0	0.32770E-07	402858.2	3770959.4	182.0	0.00	1.70	0.85	YES	
L0002256	0	0.32770E-07	402857.3	3770955.9	182.0	0.00	1.70	0.85	YES	
L0002257	0	0.32770E-07	402856.5	3770952.3	182.0	0.00	1.70	0.85	YES	
L0002258	0	0.32770E-07	402856.1	3770948.6	182.0	0.00	1.70	0.85	YES	
L0002259	0	0.32770E-07	402855.8	3770945.0	182.0	0.00	1.70	0.85	YES	
L0002260	0	0.32770E-07	402855.5	3770941.4	182.0	0.00	1.70	0.85	YES	
L0002261	0	0.32770E-07	402855.1	3770937.7	182.0	0.00	1.70	0.85	YES	
L0002262	0	0.32770E-07	402854.8	3770934.1	182.0	0.00	1.70	0.85	YES	
L0002263	0	0.32770E-07	402854.4	3770930.4	182.0	0.00	1.70	0.85	YES	
L0002264	0	0.32770E-07	402854.1	3770926.8	182.0	0.00	1.70	0.85	YES	
L0002265	0	0.32770E-07	402853.7	3770923.1	182.0	0.00	1.70	0.85	YES	
L0002266	0	0.32770E-07	402853.4	3770919.5	182.0	0.00	1.70	0.85	YES	

L0002267	0	0.32770E-07	402853.1	3770915.8	182.0	0.00	1.70	0.85	YES
L0002268	0	0.32770E-07	402852.9	3770912.2	182.0	0.00	1.70	0.85	YES
L0002269	0	0.32770E-07	402852.8	3770908.5	182.0	0.00	1.70	0.85	YES
L0002270	0	0.32770E-07	402852.6	3770904.9	182.0	0.00	1.70	0.85	YES
L0002271	0	0.32770E-07	402852.5	3770901.2	182.0	0.00	1.70	0.85	YES
L0002272	0	0.32770E-07	402852.4	3770897.6	182.0	0.00	1.70	0.85	YES
L0002273	0	0.32770E-07	402852.3	3770893.9	182.0	0.00	1.70	0.85	YES
L0002274	0	0.32770E-07	402852.2	3770890.2	182.0	0.00	1.70	0.85	YES
L0002275	0	0.32770E-07	402852.1	3770886.6	182.0	0.00	1.70	0.85	YES
L0002276	0	0.32770E-07	402852.1	3770882.9	182.0	0.00	1.70	0.85	YES
L0002277	0	0.32770E-07	402852.1	3770879.3	182.0	0.00	1.70	0.85	YES
L0002278	0	0.32770E-07	402852.1	3770875.6	182.0	0.00	1.70	0.85	YES
L0002279	0	0.32770E-07	402852.1	3770871.9	182.0	0.00	1.70	0.85	YES
L0002280	0	0.32770E-07	402852.1	3770868.3	182.0	0.00	1.70	0.85	YES
L0002281	0	0.32770E-07	402852.1	3770864.6	182.0	0.00	1.70	0.85	YES
L0002282	0	0.32770E-07	402852.1	3770861.0	182.0	0.00	1.70	0.85	YES
L0002283	0	0.32770E-07	402852.1	3770857.3	182.0	0.00	1.70	0.85	YES
L0002284	0	0.32770E-07	402852.2	3770853.6	182.0	0.00	1.70	0.85	YES
L0002285	0	0.32770E-07	402852.2	3770850.0	182.0	0.00	1.70	0.85	YES
L0002286	0	0.32770E-07	402852.2	3770846.3	182.0	0.00	1.70	0.85	YES
L0002287	0	0.32770E-07	402852.2	3770842.7	182.0	0.00	1.70	0.85	YES
L0002288	0	0.32770E-07	402852.2	3770839.0	182.0	0.00	1.70	0.85	YES
L0002289	0	0.32770E-07	402852.2	3770835.3	182.0	0.00	1.70	0.85	YES
L0002290	0	0.32770E-07	402852.2	3770831.7	182.0	0.00	1.70	0.85	YES
L0002291	0	0.32770E-07	402852.2	3770828.0	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002292	0	0.32770E-07	402852.2	3770824.4	182.0	0.00	1.70	0.85	YES	
L0002293	0	0.32770E-07	402852.3	3770820.7	182.0	0.00	1.70	0.85	YES	
L0002294	0	0.32770E-07	402852.3	3770817.0	182.0	0.00	1.70	0.85	YES	
L0002295	0	0.32770E-07	402852.3	3770813.4	182.0	0.00	1.70	0.85	YES	
L0002296	0	0.32770E-07	402852.3	3770809.7	182.0	0.00	1.70	0.85	YES	
L0002297	0	0.32770E-07	402852.3	3770806.1	182.0	0.00	1.70	0.85	YES	
L0002298	0	0.32770E-07	402852.3	3770802.4	182.0	0.00	1.70	0.85	YES	
L0002299	0	0.32770E-07	402852.3	3770798.7	182.0	0.00	1.70	0.85	YES	
L0002300	0	0.32770E-07	402852.3	3770795.1	182.0	0.00	1.70	0.85	YES	
L0002301	0	0.32770E-07	402852.3	3770791.4	182.0	0.00	1.70	0.85	YES	
L0002302	0	0.32770E-07	402852.4	3770787.8	182.0	0.00	1.70	0.85	YES	
L0002303	0	0.32770E-07	402852.4	3770784.1	182.0	0.00	1.70	0.85	YES	
L0002304	0	0.32770E-07	402852.4	3770780.4	182.0	0.00	1.70	0.85	YES	
L0002305	0	0.32770E-07	402852.4	3770776.8	182.0	0.00	1.70	0.85	YES	
L0002306	0	0.32770E-07	402852.4	3770773.1	182.0	0.00	1.70	0.85	YES	

L0002307		0	0.32770E-07	402852.4	3770769.5	182.0	0.00	1.70	0.85
YES									
L0002308		0	0.32770E-07	402852.4	3770765.8	182.0	0.00	1.70	0.85
YES									
L0002309		0	0.32770E-07	402852.4	3770762.1	182.0	0.00	1.70	0.85
YES									
L0002310		0	0.32770E-07	402852.4	3770758.5	182.0	0.00	1.70	0.85
YES									
L0002311		0	0.32770E-07	402852.5	3770754.8	182.0	0.00	1.70	0.85
YES									
L0002312		0	0.32770E-07	402852.5	3770751.2	182.0	0.00	1.70	0.85
YES									
L0002313		0	0.32770E-07	402852.5	3770747.5	182.0	0.00	1.70	0.85
YES									
L0002314		0	0.32770E-07	402852.5	3770743.8	182.0	0.00	1.70	0.85
YES									
L0002315		0	0.32770E-07	402852.5	3770740.2	182.0	0.00	1.70	0.85
YES									
L0002316		0	0.32770E-07	402852.5	3770736.5	182.0	0.00	1.70	0.85
YES									
L0002317		0	0.32770E-07	402852.5	3770732.9	182.0	0.00	1.70	0.85
YES									
L0002318		0	0.32770E-07	402852.5	3770729.2	182.0	0.00	1.70	0.85
YES									
L0002319		0	0.32770E-07	402852.5	3770725.5	182.0	0.00	1.70	0.85
YES									
L0002320		0	0.32770E-07	402852.6	3770721.9	182.0	0.00	1.70	0.85
YES									
L0002321		0	0.32770E-07	402852.6	3770718.2	182.0	0.00	1.70	0.85
YES									
L0002322		0	0.32770E-07	402852.6	3770714.6	182.0	0.00	1.70	0.85
YES									
L0002323		0	0.32770E-07	402852.6	3770710.9	182.0	0.00	1.70	0.85
YES									
L0002324		0	0.32770E-07	402852.6	3770707.2	182.0	0.00	1.70	0.85
YES									
L0002325		0	0.32770E-07	402852.6	3770703.6	182.0	0.00	1.70	0.85
YES									
L0002326		0	0.32770E-07	402852.6	3770699.9	182.0	0.00	1.70	0.85
YES									
L0002327		0	0.32770E-07	402852.6	3770696.3	182.0	0.00	1.70	0.85
YES									
L0002328		0	0.32770E-07	402852.6	3770692.6	182.0	0.00	1.70	0.85
YES									
L0002329		0	0.32770E-07	402852.7	3770688.9	182.0	0.00	1.70	0.85
YES									
L0002330		0	0.32770E-07	402852.7	3770685.3	182.0	0.00	1.70	0.85
YES									
L0002331		0	0.32770E-07	402852.8	3770681.6	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002332	0	0.32770E-07	402852.9	3770678.0	182.0	0.00	1.70	0.85	YES
L0002333	0	0.32770E-07	402853.0	3770674.3	182.0	0.00	1.70	0.85	YES
L0002334	0	0.32770E-07	402853.0	3770670.7	182.0	0.00	1.70	0.85	YES
L0002335	0	0.32770E-07	402853.1	3770667.0	182.0	0.00	1.70	0.85	YES
L0002336	0	0.32770E-07	402853.2	3770663.3	182.0	0.00	1.70	0.85	YES
L0002337	0	0.32770E-07	402853.2	3770659.7	182.0	0.00	1.70	0.85	YES
L0002338	0	0.32770E-07	402853.3	3770656.0	182.0	0.00	1.70	0.85	YES
L0002339	0	0.32770E-07	402853.4	3770652.4	182.0	0.00	1.70	0.85	YES
L0002340	0	0.32770E-07	402853.4	3770648.7	182.0	0.00	1.70	0.85	YES
L0002341	0	0.32770E-07	402853.5	3770645.0	182.0	0.00	1.70	0.85	YES
L0002342	0	0.32770E-07	402853.6	3770641.4	182.0	0.00	1.70	0.85	YES
L0002343	0	0.32770E-07	402853.6	3770637.7	182.0	0.00	1.70	0.85	YES
L0002344	0	0.32770E-07	402853.7	3770634.1	182.0	0.00	1.70	0.85	YES
L0002345	0	0.32770E-07	402853.8	3770630.4	182.0	0.00	1.70	0.85	YES
L0002346	0	0.32770E-07	402853.8	3770626.7	182.0	0.00	1.70	0.85	YES

L0002347	0	0.32770E-07	402853.9	3770623.1	182.0	0.00	1.70	0.85	YES
L0002348	0	0.32770E-07	402854.0	3770619.4	182.0	0.00	1.70	0.85	YES
L0002349	0	0.32770E-07	402854.1	3770615.8	182.0	0.00	1.70	0.85	YES
L0002350	0	0.32770E-07	402854.1	3770612.1	182.0	0.00	1.70	0.85	YES
L0002351	0	0.32770E-07	402854.2	3770608.4	182.0	0.00	1.70	0.85	YES
L0002352	0	0.32770E-07	402854.3	3770604.8	182.0	0.00	1.70	0.85	YES
L0002353	0	0.32770E-07	402854.3	3770601.1	182.0	0.00	1.70	0.85	YES
L0002354	0	0.32770E-07	402854.4	3770597.5	182.0	0.00	1.70	0.85	YES
L0002355	0	0.32770E-07	402854.5	3770593.8	182.0	0.00	1.70	0.85	YES
L0002356	0	0.32770E-07	402854.5	3770590.1	182.0	0.00	1.70	0.85	YES
L0002357	0	0.32770E-07	402854.6	3770586.5	182.0	0.00	1.70	0.85	YES
L0002358	0	0.32770E-07	402854.7	3770582.8	182.0	0.00	1.70	0.85	YES
L0002359	0	0.32770E-07	402854.7	3770579.2	182.0	0.00	1.70	0.85	YES
L0002360	0	0.32770E-07	402854.8	3770575.5	182.0	0.00	1.70	0.85	YES
L0002361	0	0.32770E-07	402854.9	3770571.8	182.0	0.00	1.70	0.85	YES
L0002362	0	0.32770E-07	402854.9	3770568.2	182.0	0.00	1.70	0.85	YES
L0002363	0	0.32770E-07	402855.0	3770564.5	182.0	0.00	1.70	0.85	YES
L0002364	0	0.32770E-07	402855.1	3770560.9	182.0	0.00	1.70	0.85	YES
L0002365	0	0.32770E-07	402855.1	3770557.2	182.0	0.00	1.70	0.85	YES
L0002366	0	0.32770E-07	402855.2	3770553.6	182.0	0.00	1.70	0.85	YES
L0002367	0	0.32770E-07	402855.3	3770549.9	182.0	0.00	1.70	0.85	YES
L0002368	0	0.32770E-07	402855.4	3770546.2	182.0	0.00	1.70	0.85	YES
L0002369	0	0.32770E-07	402855.4	3770542.6	182.0	0.00	1.70	0.85	YES
L0002370	0	0.32770E-07	402855.5	3770538.9	182.0	0.00	1.70	0.85	YES
L0002371	0	0.32770E-07	402855.6	3770535.3	182.0	0.00	1.70	0.85	YES

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
L0002372	0	0.32770E-07	402855.6	3770531.6	182.0	0.00	1.70	0.85	YES
L0002373	0	0.32770E-07	402855.7	3770527.9	182.0	0.00	1.70	0.85	YES
L0002374	0	0.32770E-07	402855.8	3770524.3	182.0	0.00	1.70	0.85	YES
L0002375	0	0.32770E-07	402855.8	3770520.6	182.0	0.00	1.70	0.85	YES
L0002376	0	0.32770E-07	402855.9	3770517.0	182.0	0.00	1.70	0.85	YES
L0002377	0	0.32770E-07	402856.0	3770513.3	182.0	0.00	1.70	0.85	YES
L0002378	0	0.32770E-07	402856.0	3770509.6	182.0	0.00	1.70	0.85	YES
L0002379	0	0.32770E-07	402856.1	3770506.0	182.0	0.00	1.70	0.85	YES
L0002380	0	0.32770E-07	402856.2	3770502.3	182.0	0.00	1.70	0.85	YES
L0002381	0	0.32770E-07	402856.2	3770498.7	182.0	0.00	1.70	0.85	YES
L0002382	0	0.32770E-07	402856.3	3770495.0	182.0	0.00	1.70	0.85	YES
L0002383	0	0.32770E-07	402856.4	3770491.3	182.0	0.00	1.70	0.85	YES
L0002384	0	0.32770E-07	402856.5	3770487.7	182.0	0.00	1.70	0.85	YES
L0002385	0	0.32770E-07	402856.5	3770484.0	182.0	0.00	1.70	0.85	YES
L0002386	0	0.32770E-07	402856.6	3770480.4	182.0	0.00	1.70	0.85	YES

L0002387		0	0.32770E-07	402856.7	3770476.7	182.0	0.00	1.70	0.85
YES									
L0002388		0	0.32770E-07	402856.7	3770473.0	182.0	0.00	1.70	0.85
YES									
L0002389		0	0.32770E-07	402856.8	3770469.4	182.0	0.00	1.70	0.85
YES									
L0002390		0	0.32770E-07	402856.9	3770465.7	182.0	0.00	1.70	0.85
YES									
L0002391		0	0.32770E-07	402856.9	3770462.1	182.0	0.00	1.70	0.85
YES									
L0002392		0	0.32770E-07	402857.0	3770458.4	182.0	0.00	1.70	0.85
YES									
L0002393		0	0.32770E-07	402857.1	3770454.8	182.0	0.00	1.70	0.85
YES									
L0002394		0	0.32770E-07	402857.1	3770451.1	182.0	0.00	1.70	0.85
YES									
L0002395		0	0.32770E-07	402857.2	3770447.4	182.0	0.00	1.70	0.85
YES									
L0002396		0	0.32770E-07	402857.3	3770443.8	182.0	0.00	1.70	0.85
YES									
L0002397		0	0.32770E-07	402857.3	3770440.1	182.0	0.00	1.70	0.85
YES									
L0002398		0	0.32770E-07	402857.4	3770436.5	182.0	0.00	1.70	0.85
YES									
L0002399		0	0.32770E-07	402857.5	3770432.8	182.0	0.00	1.70	0.85
YES									
L0002400		0	0.32770E-07	402857.6	3770429.1	182.0	0.00	1.70	0.85
YES									
L0002401		0	0.32770E-07	402857.6	3770425.5	182.0	0.00	1.70	0.85
YES									

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
DIESEL	STCK1 , STCK2 , L0001812 , L0001813 , L0001814 , L0001815 , L0001816 , L0001817 ,
	L0001818 , L0001819 , L0001820 , L0001821 , L0001822 , L0001823 , L0001824 , L0001825 ,
	L0001826 , L0001827 , L0001828 , L0001829 , L0001830 , L0001831 , L0001832 , L0001833 ,
	L0001834 , L0001835 , L0001836 , L0001837 , L0001838 , L0001839 , L0001840 , L0001841 ,
	L0001842 , L0001843 , L0001844 , L0001845 , L0001846 , L0001847 , L0001848 , L0001849 ,
	L0001850 , L0001851 , L0001852 , L0001853 , L0001854 , L0001855 , L0001856 , L0001857 ,
	L0001858 , L0001859 , L0001860 , L0001861 , L0001862 , L0001863 , L0001864 , L0001865 ,
	L0001866 , L0001867 , L0001868 , L0001869 , L0001870 , L0001871 , L0001872 , L0001873 ,
	L0001874 , L0001875 , L0001876 , L0001877 , L0001878 , L0001879 , L0001880 , L0001881 ,
	L0001882 , L0001883 , L0001884 , L0001885 , L0001886 , L0001887 , L0001888 , L0001889 ,
	L0001890 , L0001891 , L0001892 , L0001893 , L0001894 , L0001895 , L0001896 , L0001897 ,
	L0001898 , L0001899 , L0001900 , L0001901 , L0001902 , L0001903 , L0001904 , L0001905 ,

L0001906 , L0001907 , L0001908 , L0001909 ,
L0001910 , L0001911 , L0001912 , L0001913 ,

L0001914 , L0001915 , L0001916 , L0001917 ,
L0001918 , L0001919 , L0001920 , L0001921 ,

L0001922 , L0001923 , L0001924 , L0001925 ,
L0001926 , L0001927 , L0001928 , L0001929 ,

L0001930 , L0001931 , L0001932 , L0001933 ,
L0001934 , L0001935 , L0001936 , L0001937 ,

L0001938 , L0001939 , L0001940 , L0001941 ,
L0001942 , L0001943 , L0001944 , L0001945 ,

L0001946 , L0001947 , L0001948 , L0001949 ,
L0001950 , L0001951 , L0001952 , L0001953 ,

L0001954 , L0001955 , L0001956 , L0001957 ,
L0001958 , L0001959 , L0001960 , L0001961 ,

L0001962 , L0001963 , L0001964 , L0001965 ,
L0001966 , L0001967 , L0001968 , L0001969 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs				
	L0001970	L0001971	L0001972	L0001973	L0001974
	L0001975	L0001976	L0001977		
	L0001978	L0001979	L0001980	L0001981	L0001982
	L0001983	L0001984	L0001985		
	L0001986	L0001987	L0001988	L0001989	L0001990
	L0001991	L0001992	L0001993		
	L0001994	L0001995	L0001996	L0001997	L0001998
	L0001999	L0002000	L0002001		
	L0002002	L0002003	L0002004	L0002005	L0002006
	L0002007	L0002008	L0002009		
	L0002010	L0002011	L0002012	L0002013	L0002014
	L0002015	L0002016	L0002017		
	L0002018	L0002019	L0002020	L0002021	L0002022
	L0002023	L0002024	L0002025		
	L0002026	L0002027	L0002028	L0002029	L0002030
	L0002031	L0002032	L0002033		
	L0002034	L0002035	L0002036	L0002037	L0002038
	L0002039	L0002040	L0002041		
	L0002042	L0002043	L0002044	L0002045	L0002046
	L0002047	L0002048	L0002049		
	L0002050	L0002051	L0002052	L0002053	L0002054
	L0002055	L0002056	L0002057		
	L0002058	L0002059	L0002060	L0002061	L0002062
	L0002063	L0002064	L0002065		

L0002066 , L0002067 , L0002068 , L0002069 ,
L0002070 , L0002071 , L0002072 , L0002073 ,

L0002074 , L0002075 , L0002076 , L0002077 ,
L0002078 , L0002079 , L0002080 , L0002081 ,

L0002082 , L0002083 , L0002084 , L0002085 ,
L0002086 , L0002087 , L0002088 , L0002089 ,

L0002090 , L0002091 , L0002092 , L0002093 ,
L0002094 , L0002095 , L0002096 , L0002097 ,

L0002098 , L0002099 , L0002100 , L0002101 ,
L0002102 , L0002103 , L0002104 , L0002105 ,

L0002106 , L0002107 , L0002108 , L0002109 ,
L0002110 , L0002111 , L0002112 , L0002113 ,

L0002114 , L0002115 , L0002116 , L0002117 ,
L0002118 , L0002119 , L0002120 , L0002121 ,

L0002122 , L0002123 , L0002124 , L0002125 ,
L0002126 , L0002127 , L0002128 , L0002129 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs			
	L0002130 ,	L0002131 ,	L0002132 ,	L0002133 ,
L0002134 ,	L0002135 ,	L0002136 ,	L0002137 ,	
	L0002138 ,	L0002139 ,	L0002140 ,	L0002141 ,
L0002142 ,	L0002143 ,	L0002144 ,	L0002145 ,	
	L0002146 ,	L0002147 ,	L0002148 ,	L0002149 ,
L0002150 ,	L0002151 ,	L0002152 ,	L0002153 ,	
	L0002154 ,	L0002155 ,	L0002156 ,	L0002157 ,
L0002158 ,	L0002159 ,	L0002160 ,	L0002161 ,	
	L0002162 ,	L0002163 ,	L0002164 ,	L0002165 ,
L0002166 ,	L0002167 ,	L0002168 ,	L0002169 ,	
	L0002170 ,	L0002171 ,	L0002172 ,	L0002173 ,
L0002174 ,	L0002175 ,	L0002176 ,	L0002177 ,	
	L0002178 ,	L0002179 ,	L0002180 ,	L0002181 ,
L0002182 ,	L0002183 ,	L0002184 ,	L0002185 ,	
	L0002186 ,	L0002187 ,	L0002188 ,	L0002189 ,
L0002190 ,	L0002191 ,	L0002192 ,	L0002193 ,	
	L0002194 ,	L0002195 ,	L0002196 ,	L0002197 ,
L0002198 ,	L0002199 ,	L0002200 ,	L0002201 ,	
	L0002202 ,	L0002203 ,	L0002204 ,	L0002205 ,
L0002206 ,	L0002207 ,	L0002208 ,	L0002209 ,	
	L0002210 ,	L0002211 ,	L0002212 ,	L0002213 ,
L0002214 ,	L0002215 ,	L0002216 ,	L0002217 ,	
	L0002218 ,	L0002219 ,	L0002220 ,	L0002221 ,
L0002222 ,	L0002223 ,	L0002224 ,	L0002225 ,	

L0002226 , L0002227 , L0002228 , L0002229 ,
L0002230 , L0002231 , L0002232 , L0002233 ,

L0002234 , L0002235 , L0002236 , L0002237 ,
L0002238 , L0002239 , L0002240 , L0002241 ,

L0002242 , L0002243 , L0002244 , L0002245 ,
L0002246 , L0002247 , L0002248 , L0002249 ,

L0002250 , L0002251 , L0002252 , L0002253 ,
L0002254 , L0002255 , L0002256 , L0002257 ,

L0002258 , L0002259 , L0002260 , L0002261 ,
L0002262 , L0002263 , L0002264 , L0002265 ,

L0002266 , L0002267 , L0002268 , L0002269 ,
L0002270 , L0002271 , L0002272 , L0002273 ,

L0002274 , L0002275 , L0002276 , L0002277 ,
L0002278 , L0002279 , L0002280 , L0002281 ,

L0002282 , L0002283 , L0002284 , L0002285 ,
L0002286 , L0002287 , L0002288 , L0002289 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs						
	L0002290	L0002291	L0002292	L0002293	L0002294	L0002295	L0002296
	L0002297						
	L0002298	L0002299	L0002300	L0002301	L0002302	L0002303	L0002304
	L0002305						
	L0002306	L0002307	L0002308	L0002309	L0002310	L0002311	L0002312
	L0002313						
	L0002314	L0002315	L0002316	L0002317	L0002318	L0002319	L0002320
	L0002321						
	L0002322	L0002323	L0002324	L0002325	L0002326	L0002327	L0002328
	L0002329						
	L0002330	L0002331	L0002332	L0002333	L0002334	L0002335	L0002336
	L0002337						
	L0002338	L0002339	L0002340	L0002341	L0002342	L0002343	L0002344
	L0002345						
	L0002346	L0002347	L0002348	L0002349	L0002350	L0002351	L0002352
	L0002353						
	L0002354	L0002355	L0002356	L0002357	L0002358	L0002359	L0002360
	L0002361						
	L0002362	L0002363	L0002364	L0002365	L0002366	L0002367	L0002368
	L0002369						
	L0002370	L0002371	L0002372	L0002373	L0002374	L0002375	L0002376
	L0002377						
	L0002378	L0002379	L0002380	L0002381	L0002382	L0002383	L0002384
	L0002385						

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            L0002386    , L0002387    , L0002388    , L0002389    ,
L0002390    , L0002391    , L0002392    , L0002393    ,

            L0002394    , L0002395    , L0002396    , L0002397    ,
L0002398    , L0002399    , L0002400    , L0002401    ,


  COOKING   STCK3       ,


  ALL       STCK1       , STCK2       , STCK3       , L0001812    ,
L0001813    , L0001814    , L0001815    , L0001816    ,

            L0001817    , L0001818    , L0001819    , L0001820    ,
L0001821    , L0001822    , L0001823    , L0001824    ,

            L0001825    , L0001826    , L0001827    , L0001828    ,
L0001829    , L0001830    , L0001831    , L0001832    ,

            L0001833    , L0001834    , L0001835    , L0001836    ,
L0001837    , L0001838    , L0001839    , L0001840    ,

            L0001841    , L0001842    , L0001843    , L0001844    ,
L0001845    , L0001846    , L0001847    , L0001848    ,
```

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs						
	L0001849	L0001850	L0001851	L0001852	L0001853	L0001854	L0001855	L0001856
	L0001857	L0001858	L0001859	L0001860	L0001861	L0001862	L0001863	L0001864
	L0001865	L0001866	L0001867	L0001868	L0001869	L0001870	L0001871	L0001872
	L0001873	L0001874	L0001875	L0001876	L0001877	L0001878	L0001879	L0001880
	L0001881	L0001882	L0001883	L0001884	L0001885	L0001886	L0001887	L0001888
	L0001889	L0001890	L0001891	L0001892	L0001893	L0001894	L0001895	L0001896
	L0001897	L0001898	L0001899	L0001900	L0001901	L0001902	L0001903	L0001904
	L0001905	L0001906	L0001907	L0001908	L0001909	L0001910	L0001911	L0001912
	L0001913	L0001914	L0001915	L0001916	L0001917	L0001918	L0001919	L0001920
	L0001921	L0001922	L0001923	L0001924	L0001925	L0001926	L0001927	L0001928
	L0001929	L0001930	L0001931	L0001932	L0001933	L0001934	L0001935	L0001936
	L0001937	L0001938	L0001939	L0001940	L0001941	L0001942	L0001943	L0001944

L0001945 , L0001946 , L0001947 , L0001948 ,
L0001949 , L0001950 , L0001951 , L0001952 ,

L0001953 , L0001954 , L0001955 , L0001956 ,
L0001957 , L0001958 , L0001959 , L0001960 ,

L0001961 , L0001962 , L0001963 , L0001964 ,
L0001965 , L0001966 , L0001967 , L0001968 ,

L0001969 , L0001970 , L0001971 , L0001972 ,
L0001973 , L0001974 , L0001975 , L0001976 ,

L0001977 , L0001978 , L0001979 , L0001980 ,
L0001981 , L0001982 , L0001983 , L0001984 ,

L0001985 , L0001986 , L0001987 , L0001988 ,
L0001989 , L0001990 , L0001991 , L0001992 ,

L0001993 , L0001994 , L0001995 , L0001996 ,
L0001997 , L0001998 , L0001999 , L0002000 ,

L0002001 , L0002002 , L0002003 , L0002004 ,
L0002005 , L0002006 , L0002007 , L0002008 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
	L0002009	L0002010	L0002011	L0002012	L0002013	L0002014	L0002015	L0002016
	L0002017	L0002018	L0002019	L0002020	L0002021	L0002022	L0002023	L0002024
	L0002025	L0002026	L0002027	L0002028	L0002029	L0002030	L0002031	L0002032
	L0002033	L0002034	L0002035	L0002036	L0002037	L0002038	L0002039	L0002040
	L0002041	L0002042	L0002043	L0002044	L0002045	L0002046	L0002047	L0002048
	L0002049	L0002050	L0002051	L0002052	L0002053	L0002054	L0002055	L0002056
	L0002057	L0002058	L0002059	L0002060	L0002061	L0002062	L0002063	L0002064
	L0002065	L0002066	L0002067	L0002068	L0002069	L0002070	L0002071	L0002072
	L0002073	L0002074	L0002075	L0002076	L0002077	L0002078	L0002079	L0002080
	L0002081	L0002082	L0002083	L0002084	L0002085	L0002086	L0002087	L0002088
	L0002089	L0002090	L0002091	L0002092	L0002093	L0002094	L0002095	L0002096
	L0002097	L0002098	L0002099	L0002100	L0002101	L0002102	L0002103	L0002104

L0002105 , L0002106 , L0002107 , L0002108 ,
L0002109 , L0002110 , L0002111 , L0002112 ,

L0002113 , L0002114 , L0002115 , L0002116 ,
L0002117 , L0002118 , L0002119 , L0002120 ,

L0002121 , L0002122 , L0002123 , L0002124 ,
L0002125 , L0002126 , L0002127 , L0002128 ,

L0002129 , L0002130 , L0002131 , L0002132 ,
L0002133 , L0002134 , L0002135 , L0002136 ,

L0002137 , L0002138 , L0002139 , L0002140 ,
L0002141 , L0002142 , L0002143 , L0002144 ,

L0002145 , L0002146 , L0002147 , L0002148 ,
L0002149 , L0002150 , L0002151 , L0002152 ,

L0002153 , L0002154 , L0002155 , L0002156 ,
L0002157 , L0002158 , L0002159 , L0002160 ,

L0002161 , L0002162 , L0002163 , L0002164 ,
L0002165 , L0002166 , L0002167 , L0002168 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs			
	L0002169 ,	L0002170 ,	L0002171 ,	L0002172 ,
L0002173 ,	L0002174 ,	L0002175 ,	L0002176 ,	
	L0002177 ,	L0002178 ,	L0002179 ,	L0002180 ,
L0002181 ,	L0002182 ,	L0002183 ,	L0002184 ,	
	L0002185 ,	L0002186 ,	L0002187 ,	L0002188 ,
L0002189 ,	L0002190 ,	L0002191 ,	L0002192 ,	
	L0002193 ,	L0002194 ,	L0002195 ,	L0002196 ,
L0002197 ,	L0002198 ,	L0002199 ,	L0002200 ,	
	L0002201 ,	L0002202 ,	L0002203 ,	L0002204 ,
L0002205 ,	L0002206 ,	L0002207 ,	L0002208 ,	
	L0002209 ,	L0002210 ,	L0002211 ,	L0002212 ,
L0002213 ,	L0002214 ,	L0002215 ,	L0002216 ,	
	L0002217 ,	L0002218 ,	L0002219 ,	L0002220 ,
L0002221 ,	L0002222 ,	L0002223 ,	L0002224 ,	
	L0002225 ,	L0002226 ,	L0002227 ,	L0002228 ,
L0002229 ,	L0002230 ,	L0002231 ,	L0002232 ,	
	L0002233 ,	L0002234 ,	L0002235 ,	L0002236 ,
L0002237 ,	L0002238 ,	L0002239 ,	L0002240 ,	
	L0002241 ,	L0002242 ,	L0002243 ,	L0002244 ,
L0002245 ,	L0002246 ,	L0002247 ,	L0002248 ,	
	L0002249 ,	L0002250 ,	L0002251 ,	L0002252 ,
L0002253 ,	L0002254 ,	L0002255 ,	L0002256 ,	
	L0002257 ,	L0002258 ,	L0002259 ,	L0002260 ,
L0002261 ,	L0002262 ,	L0002263 ,	L0002264 ,	

L0002265 , L0002266 , L0002267 , L0002268 ,
L0002269 , L0002270 , L0002271 , L0002272 ,

L0002273 , L0002274 , L0002275 , L0002276 ,
L0002277 , L0002278 , L0002279 , L0002280 ,

L0002281 , L0002282 , L0002283 , L0002284 ,
L0002285 , L0002286 , L0002287 , L0002288 ,

L0002289 , L0002290 , L0002291 , L0002292 ,
L0002293 , L0002294 , L0002295 , L0002296 ,

L0002297 , L0002298 , L0002299 , L0002300 ,
L0002301 , L0002302 , L0002303 , L0002304 ,

L0002305 , L0002306 , L0002307 , L0002308 ,
L0002309 , L0002310 , L0002311 , L0002312 ,

L0002313 , L0002314 , L0002315 , L0002316 ,
L0002317 , L0002318 , L0002319 , L0002320 ,

L0002321 , L0002322 , L0002323 , L0002324 ,
L0002325 , L0002326 , L0002327 , L0002328 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	L0002329 , L0002330 , L0002331 , L0002332 , L0002333 , L0002334 , L0002335 , L0002336 ,
	L0002337 , L0002338 , L0002339 , L0002340 , L0002341 , L0002342 , L0002343 , L0002344 ,
	L0002345 , L0002346 , L0002347 , L0002348 , L0002349 , L0002350 , L0002351 , L0002352 ,
	L0002353 , L0002354 , L0002355 , L0002356 , L0002357 , L0002358 , L0002359 , L0002360 ,
	L0002361 , L0002362 , L0002363 , L0002364 , L0002365 , L0002366 , L0002367 , L0002368 ,
	L0002369 , L0002370 , L0002371 , L0002372 , L0002373 , L0002374 , L0002375 , L0002376 ,
	L0002377 , L0002378 , L0002379 , L0002380 , L0002381 , L0002382 , L0002383 , L0002384 ,
	L0002385 , L0002386 , L0002387 , L0002388 , L0002389 , L0002390 , L0002391 , L0002392 ,
	L0002393 , L0002394 , L0002395 , L0002396 , L0002397 , L0002398 , L0002399 , L0002400 ,
	L0002401 ,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** DISCRETE CARTESIAN RECEPTORS ***

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

(403353.0, 3771291.6, 182.0, 182.0, 1.5); (404054.8, 3771612.7, 182.0, 182.0, 1.5);
(404572.3, 3771098.8, 182.0, 182.0, 1.5);

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** 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 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1   1 1 1 1 1 1 1 1 1 1   1 1 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,

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

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

Surface file: ..\azus6.sfc
Met Version: 12345
Profile file: ..\azus6.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3190 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-34.3	0.336	-9.000	-9.000	-999.	447.	97.5	0.36	1.00	1.00	3.10	25.	9.1	280.9	5.5
05	01	01	1	02	-41.5	0.406	-9.000	-9.000	-999.	595.	142.6	0.36	1.00	1.00	3.60	23.	9.1	280.9	5.5
05	01	01	1	03	-54.0	0.527	-9.000	-9.000	-999.	879.	239.5	0.36	1.00	1.00	4.50	31.	9.1	280.4	5.5
05	01	01	1	04	-41.6	0.406	-9.000	-9.000	-999.	605.	142.3	0.36	1.00	1.00	3.60	32.	9.1	280.4	5.5
05	01	01	1	05	-34.4	0.336	-9.000	-9.000	-999.	450.	97.2	0.36	1.00	1.00	3.10	38.	9.1	280.4	5.5
05	01	01	1	06	-41.7	0.406	-9.000	-9.000	-999.	595.	142.0	0.36	1.00	1.00	3.60	35.	9.1	279.9	5.5
05	01	01	1	07	-47.2	0.460	-9.000	-9.000	-999.	718.	182.5	0.36	1.00	1.00	4.00	33.	9.1	279.9	5.5
05	01	01	1	08	-36.5	0.412	-9.000	-9.000	-999.	610.	169.4	0.36	1.00	0.55	3.60	30.	9.1	279.9	5.5
05	01	01	1	09	24.0	0.296	0.336	0.005	55.	378.	-95.7	0.36	1.00	0.32	2.20	57.	9.1	280.9	5.5
05	01	01	1	10	77.9	0.220	1.189	0.005	764.	240.	-12.1	0.36	1.00	0.25	1.30	97.	9.1	285.4	5.5
05	01	01	1	11	108.6	0.286	1.449	0.007	992.	351.	-19.0	0.36	1.00	0.22	1.80	149.	9.1	285.9	5.5
05	01	01	1	12	123.8	0.232	1.622	0.010	1221.	258.	-8.9	0.36	1.00	0.21	1.30	191.	9.1	286.4	5.5

```
 05 01 01   1 13  109.9  0.286  1.570  0.009 1245.  352.    -18.8  0.36
1.00   0.21    1.80  214.    9.1  286.4    5.5
 05 01 01   1 14   38.3  0.205  1.107  0.009 1254.  216.    -19.9  0.36
1.00   0.22    1.30  237.    9.1  285.9    5.5
 05 01 01   1 15   20.8  0.249  0.905  0.009 1258.  286.    -65.7  0.36
1.00   0.26    1.80  239.    9.1  285.4    5.5
 05 01 01   1 16    3.3  0.278  0.491  0.009 1258.  336.   -569.9  0.36
1.00   0.35    2.20  241.    9.1  284.9    5.5
 05 01 01   1 17   -9.7  0.168 -9.000 -9.000 -999.  164.     43.3  0.36
1.00   0.62    1.80  236.    9.1  284.9    5.5
 05 01 01   1 18   -2.5  0.056 -9.000 -9.000 -999.   42.      6.2  0.36
1.00   1.00    0.90  263.    9.1  284.2    5.5
 05 01 01   1 19   -5.2  0.081 -9.000 -9.000 -999.   53.      8.9  0.36
1.00   1.00    1.30    5.    9.1  283.8    5.5
 05 01 01   1 20  -10.0  0.134 -9.000 -9.000 -999.  112.     21.1  0.36
1.00   1.00    1.80   16.    9.1  283.1    5.5
 05 01 01   1 21  -16.3  0.218 -9.000 -9.000 -999.  234.     56.0  0.36
1.00   1.00    2.20   29.    9.1  283.1    5.5
 05 01 01   1 22  -16.9  0.306 -9.000 -9.000 -999.  389.    149.7  0.36
1.00   1.00    2.70   28.    9.1  282.5    5.5
 05 01 01   1 23  -16.9  0.306 -9.000 -9.000 -999.  389.    149.4  0.36
1.00   1.00    2.70   16.    9.1  282.0    5.5
 05 01 01   1 24  -19.9  0.360 -9.000 -9.000 -999.  496.    206.7  0.36
1.00   1.00    3.10   22.    9.1  282.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   281.0   99.0  -99.00  -99.00
 05 01 01 01    9.1 1   25.    3.10  -999.0   99.0  -99.00  -99.00

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

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: DIESEL ***
INCLUDING SOURCE(S): STCK1 , STCK2 , L0001812 , L0001813 , L0001814 , L0001815 , L0001816 , L0001817 , L0001818 , L0001819 , L0001820 , L0001821 , L0001822 , L0001823 , L0001824 , L0001825 , L0001826 , L0001827 , L0001828 , L0001829 , L0001830 , L0001831 , L0001832 , L0001833 , L0001834 , L0001835 , L0001836 , L0001837 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403353.03	3771291.64	0.00033	404054.84	3771612.72	0.00043
404572.31	3771098.76	0.00021			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: COOKING ***
INCLUDING SOURCE(S): STCK3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403353.03	3771291.64	0.00001	404054.84	3771612.72	0.00002
404572.31	3771098.76	0.00002			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , L0001812 , L0001813 , L0001814 , L0001815 , L0001816 , L0001817 , L0001818 , L0001819 , L0001820 , L0001821 , L0001822 , L0001823 , L0001824 , L0001825 , L0001826 , L0001827 , L0001828 , L0001829 , L0001830 , L0001831 , L0001832 , L0001833 , L0001834 , L0001835 , L0001836 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
403353.03	3771291.64	0.00034	404054.84	3771612.72	0.00044
404572.31	3771098.76	0.00023			

**MODELOPTs: NonDFAULT CONC FLAT FLGPOL FASTALL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

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

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

```
          5TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)

ALL       1ST HIGHEST VALUE IS       0.00044 AT (  404054.84,
3771612.72,   182.00,   182.00,    1.50)  DC
          2ND HIGHEST VALUE IS       0.00034 AT (  403353.03,
3771291.64,   182.00,   182.00,    1.50)  DC
          3RD HIGHEST VALUE IS       0.00023 AT (  404572.31,
3771098.76,   182.00,   182.00,    1.50)  DC
          4TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          5TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,
0.00,     0.00,     0.00,    0.00)


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

```
 *** AERMOD - VERSION  12345 ***   *** C:\Lakes\AERMOD View\08344_El
Monte Walmart\08344_El Monte Walmart\0 ***        02/19/14
                                     ***
***        13:04:28

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 **MODELOPTs:  NonDFAULT CONC                                    FLAT
FLGPOL                        FASTALL


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of         1062 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of            0 Calm Hours Identified

 A Total of         1062 Missing Hours Identified (  2.42 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W530    1421 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE
for     SURFDATA

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

APPENDIX 5.2:

RISK CALCULATIONS

Table A
Quantification of Carcinogenic Risks and Non-Carcinogenic Hazards
Residential Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk			Noncarcinogenic Hazards / Toxicological Endpoints*									
	(ug/m3)	(mg/m3)			URF (ug/m3)	CPF (mg/kg/day)	RISK	REL (ug/m3)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
Restaurant Cooking	0.00004	4.0E-08	1.00E+00	Naphthalene	3.4E-05	1.2E-01	1.38E-09	9.0E+00	2.6E-03	0.0E+00							
Mobile Sources (Diesel)	0.00078	7.8E-07	1.00E+00	Diesel Particulates	3.0E-04	1.1E+00	2.37E-07	5.0E+00	1.4E-03	1.6E-04							
							2.39E-01										
Total							2.39E-07			1.6E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

* Key to Toxocological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g., teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	70
inhalation rate (m3/day)	21.14
average body weight (kg)	70
averaging time$_{(cancer)}$ (days)	25550
averaging time$_{(noncancer)}$ (days)	25550

Table B
Quantification of Carcinogenic Risks and Non-Carcinogenic Hazards
Worker Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk			Noncarcinogenic Hazards / Toxicological Endpoints*									
	(ug/m3)	(mg/m3)			URF (ug/m3)	CPF (mg/kg/day)	RISK	REL (ug/m3)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
Restaurant Cooking	0.00100	1.0E-06	1.00E+00	Naphthalene	3.4E-05	1.2E-01	6.80E-09	9.0E+00	2.6E-03	0.0E+00							
Mobile Sources (Diesel)	0.01063	1.1E-05	1.00E+00	Diesel Particulates	3.0E-04	1.1E+00	6.38E-07	5.0E+00	1.4E-03	7.4E-04							
							6.45E-01										
Total							6.45E-07			7.4E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

* Key to Toxocological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g., teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	245
exposure duration (years)	40
inhalation rate (m3/day)	10.43
average body weight (kg)	70
averaging time$_{(cancer)}$ (days)	25550
averaging time$_{(noncancer)}$ (days)	14600

Table C
Quantification of Carcinogenic Risks and Non-Carcinogenic Hazards
School Child Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk			Noncarcinogenic Hazards / Toxicological Endpoints*									
	(ug/m3)	(mg/m3)			URF (ug/m3)	CPF (mg/kg/day)	RISK	REL (ug/m3)	RfD (mg/kg/day)	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
Restaurant Cooking	0.00002	2.0E-08	1.00E+00	Naphthalene	3.4E-05	1.2E-01	8.77E-11	9.0E+00	2.6E-03	0.0E+00							
Mobile Sources (Diesel)	0.00043	4.3E-07	1.00E+00	Diesel Particulates	3.0E-04	1.1E+00	1.66E-08	5.0E+00	1.4E-03	8.6E-05							
							1.67E-02										
Total							1.67E-08			8.6E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

* Key to Toxocological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g., teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	180
exposure duration (years)	9
inhalation rate (m3/day)	40.67
average body weight (kg)	70
averaging time$_{(cancer)}$ (days)	25550
averaging time$_{(noncancer)}$ (days)	3285