



**Health Risk Assessment**  
**for the**  
**Proposed Walmart in Porterville, California**

**Prepared for:**

City of Porterville  
291 N Main Street  
Porterville, California 93257

**Prepared by:**

Impact Sciences, Inc.  
803 Camarillo Springs Road, Suite A  
Camarillo, California 93012

**January 2011**

## **SUMMARY**

Walmart proposes to construct and operate a supercenter on a currently vacant site located in the City of Porterville. The project site is located north of Highway 190 and east of Highway 65. Currently, the project site is surrounded by low-density residential land uses. Operation of the project would result in daily trips to the site by diesel-fueled trucks and trailers equipped with transportation refrigeration units (TRUs).

This health risk assessment evaluates the health impacts of diesel particulate matter (DPM) emitted by diesel trucks and diesel-powered TRUs associated with the operation of the proposed project. Diesel trucks would travel and idle on site as part of daily operations. Based on the project characteristics, a modeling scenario was developed to represent typical operations beginning in the buildout year of 2011 through the end of the modeled 70-year exposure period.

The San Joaquin Valley Air Pollution Control District (SJVAPCD) recommends the following significance thresholds for health risk assessments of projects being reviewed under the California Environmental Quality Act (CEQA):

- Criterion 1: a lifetime probability of contracting cancer greater than 10 in 1 million ( $10 \times 10^{-6}$ ); and
- Criterion 2: a health hazard index of 1 for evaluating the noncarcinogenic effects of toxic air contaminants.

Using the SJVAPCD's thresholds of significance, the health risk assessment finds that the maximum anticipated cancer risks associated with the operation of the project are 9.76 in 1 million at the maximally exposed individual receptor. The assessment also finds that the chronic hazard index for non-cancer health impacts is well below 1 at the maximally exposed individual receptor. Since health impacts are less than SJVAPCD significance thresholds, the health impacts associated with the project will be less than significant.

## TABLE OF CONTENTS

Section	Page
SUMMARY .....	i
1.0 INTRODUCTION .....	1
2.0 SOURCE LOCATIONS .....	3
3.0 ACTIVITY DATA .....	3
4.0 CALCULATION OF EMISSIONS .....	4
5.0 MODELING METHODOLOGY .....	13
6.0 RECEPTORS USED FOR EVALUATING MODELED IMPACTS .....	19
7.0 EVALUATION OF HEALTH IMPACTS .....	20
8.0 CONCLUSIONS .....	23

## LIST OF FIGURES

Figure	Page
1 Source Locations .....	5
2 Wind Rose for the Porterville Municipal Airport Monitoring Station, 2005 .....	14
3 Wind Rose for the Porterville Municipal Airport Monitoring Station, 2006 .....	15
4 Wind Rose for the Porterville Municipal Airport Monitoring Station, 2007 .....	16
5 Wind Rose for the Porterville Municipal Airport Monitoring Station, 2008 .....	17

## LIST OF TABLES

Table	Page
1 Delivery Truck and Vendor Truck Running 70-Year Composite Emission Factors .....	7
2 Delivery Truck and Vendor Truck Idling 70-Year Composite Emission Factors .....	9
3 Summary of Daily Diesel Exhaust Particulate Emissions from the Proposed Project Operations .....	12
4 Source Characteristics .....	18
5 Summary of Maximum Modeled Cancer Risks of Diesel Particulate Matter from the Proposed Project Operations .....	22
6 Summary of Maximum Non-Cancer Health Impacts of Diesel Particulate Matter from the Proposed Project Operations .....	23

### Appendices

- A Emission Calculations
- B Selected AERMOD Dispersion Modeling Results

## 1.0 INTRODUCTION

### 1.1 Background

Walmart proposes to construct and operate a supercenter on a currently vacant site located in the City of Barstow (referred to as “the project”). The project site is located north of Highway 190 and east of Highway 65. Currently, the project site is surrounded by low-density residential land uses to the north, west, and south. The Riverwalk Marketplace I project is located to the east. The roads that surround the project site include Indiana Street to the west, Springville Avenue to the north, Highway 190 to the south, and Jaye Street to the east. Operation of the project would result in daily trips to the site by diesel-fueled trucks and trailers equipped with transportation refrigeration units (TRUs).

On August 27, 1998, the California Air Resources Board (CARB) designated particulate emissions from diesel-fueled engines as a toxic air contaminant (TAC). The project will result in the operation of diesel trucks and other diesel-fueled engines on the project site. Truck deliveries would be received on the north side of the Walmart. Delivery hours are not limited; however, the anticipated delivery schedule is as follows:

- four axle with transport refrigeration units, two units a day or 13 units a week
- four axle without transport refrigeration units, six units a day or 38 units a week
- two axle/vendor deliveries, nine units per day or 44 units a week (no deliveries on Wednesday or Sunday)

Consequently, an increase in the concentrations of diesel particulate matter (DPM) and its associated health effects may occur in the vicinity of the project. For the purpose of estimating cancer risk, this assessment assumes that (1) the emissions from diesel trucks estimated for project operations will vary throughout a 70-year period, based on vehicle fleet mix and emission factor assumptions contained in the CARB motor vehicle emission inventory program, EMFAC2007; (2) the emissions from trailer-mounted transport refrigeration units will decrease due to future effective regulatory limits; and (3) exposures of residential receptors to DPM will occur continuously 24 hours per day for 70 years. Accordingly, the cancer risk estimates are considered conservative (i.e., health protective).

## 1.2 Thresholds of Significance

The San Joaquin Valley Air Pollution Control District (SJVAPCD) *Guide for Assessing and Mitigation Air Quality Impacts* (GAMAQI) recommends that the following be used to determine the potential to expose off-site receptors to TACs and the significance of associated health impacts from project operations:<sup>1</sup>

- Criterion 1: a lifetime probability of contracting cancer greater than 10 in 1 million ( $10 \times 10^{-6}$ ).
- Criterion 2: a health hazard index of 1 for evaluating the noncarcinogenic effects of toxic air contaminants.

These thresholds apply to the Maximally Exposed Individual (MEI), which is the receptor that is exposed to the highest concentration of TACs as determined by dispersion modeling. The thresholds are assessed using the methodologies described in the Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*<sup>2</sup> (OEHHA Guidance). The OEHHA Guidance recommends that a 70-year exposure duration be used for determining lifetime residential cancer risks.<sup>3</sup> This ensures that a person residing in the vicinity of a facility for a lifetime will be included in the evaluation of risk posed by that facility. The standard default assumption for workplace receptors is 5 days per week, 49 weeks per year, for 40 years.<sup>4</sup>

The project's estimated health impacts will be evaluated with respect to these criteria. This analysis evaluates the new ambient levels of DPM that would result from the proposed project and quantifies the potential health risk in the vicinity of the proposed project due to the project's operations.

---

<sup>1</sup> San Joaquin Valley Air Pollution Control District, *Guide to Assessing and Mitigating Air Quality Impacts*, (2002) 28.

<sup>2</sup> California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, (2003).

<sup>3</sup> California EPA, OEHHA, *Air Toxics Hot Spots Program Guidance Manual*, 8-3.

<sup>4</sup> California EPA, OEHHA, *Air Toxics Hot Spots Program Guidance Manual*, 8-5.

## 2.0 SOURCE AND RECEPTOR LOCATIONS

**Figure 1, Source Locations**, shows the project site and the emission sources used in this assessment.<sup>5</sup> The following areas were identified for analysis of the proposed operations as sources of DPM emissions based on the description of the project: (1) Access to the Walmart Supercenter via Springville Avenue, by which all distribution trucks, some of which pull refrigerated trailers equipped with transport refrigeration units,<sup>6</sup> and vendor trucks would enter and exit the project site and travel to and from the loading dock located at the rear of the store. Trucks are assumed to travel from Highway 190 to Jaye Street to Springville Avenue; (2) Loading dock area where trucks would load and unload contents. Emissions on Highway 190, Jaye Street, and Springville Avenue would occur from running exhaust emissions as the trucks and TRUs transport goods to and from the Walmart Supercenter. Emissions at the loading dock area would occur from idling exhaust emissions as the trucks idle for a short period of time and the TRUs maintain a refrigerated environment.

Potentially impacted receptors are located in the vicinity of the project site. Residential receptors are located to the north of the site along Springville Avenue and to the west of the site along Indiana Street. Workplace receptors are located directly adjacent to the project site to the east at the Riverwalk Marketplace I site.

## 3.0 ACTIVITY DATA

### 3.1 Project Operations

Under the project, delivery trucks and TRU-equipped trailers would enter and exit the project site from Springville Avenue, which runs along the northern end of the project site. Trucks are assumed to enter the local area via Highway 190 and turn left onto Jaye Street. The trucks would then turn left onto West Springville Avenue, before turning left into the loading dock area. Each truck would travel approximately 1.39 miles to reach the loading dock area. A round trip would consist of two trips for a total of 2.77 miles. In the loading dock area, delivery and vendor trucks would load and unload goods. The project would manage dry goods and perishable goods; therefore, TRU-equipped trailers would also be present in the loading dock area. The daily activity of delivery and vendor trucks and TRUs was estimated using the number of trips provided by the project applicant. Other assumptions of the daily on site activities are described in the following sections.

---

<sup>5</sup> The areas depicted in **Figure 1** represent the line and volume sources used in the dispersion model. See **Section 5.0, Modeling Methodology**, for a further description of these sources.

<sup>6</sup> Transport refrigeration units are diesel-powered trailer-mounted units installed in long-haul trailers that provide chilled air to the trailer to maintain proper storage conditions while transporting perishable goods.

### **3.2 Delivery Trucks**

As noted in **Section 3.0, Project Description**, of the Draft Environmental Impact Report (EIR), the project would operate 24 hours a day – delivery hours are not limited. It is estimated that up to eight four-axle delivery trucks per day or 51 four-axle delivery trucks per week would come to the project site to deliver goods. The applicant has estimated that approximately 2 of these delivery trucks per day or 13 delivery trucks per week would pull a TRU-equipped trailer. The trucks were assumed to idle for a maximum of 15 minutes, as recommended by SJVAPCD staff. In addition to the delivery trucks, TRUs would also generate DPM emissions while traveling and operating on the project site.

### **3.3 Vendor Trucks**

It is estimated that up to nine two-axle vendor trucks per day or 44 per week would come to the project site to deliver goods. The trucks were assumed to idle for a maximum of 15 minutes, as recommended by SJVAPCD staff.

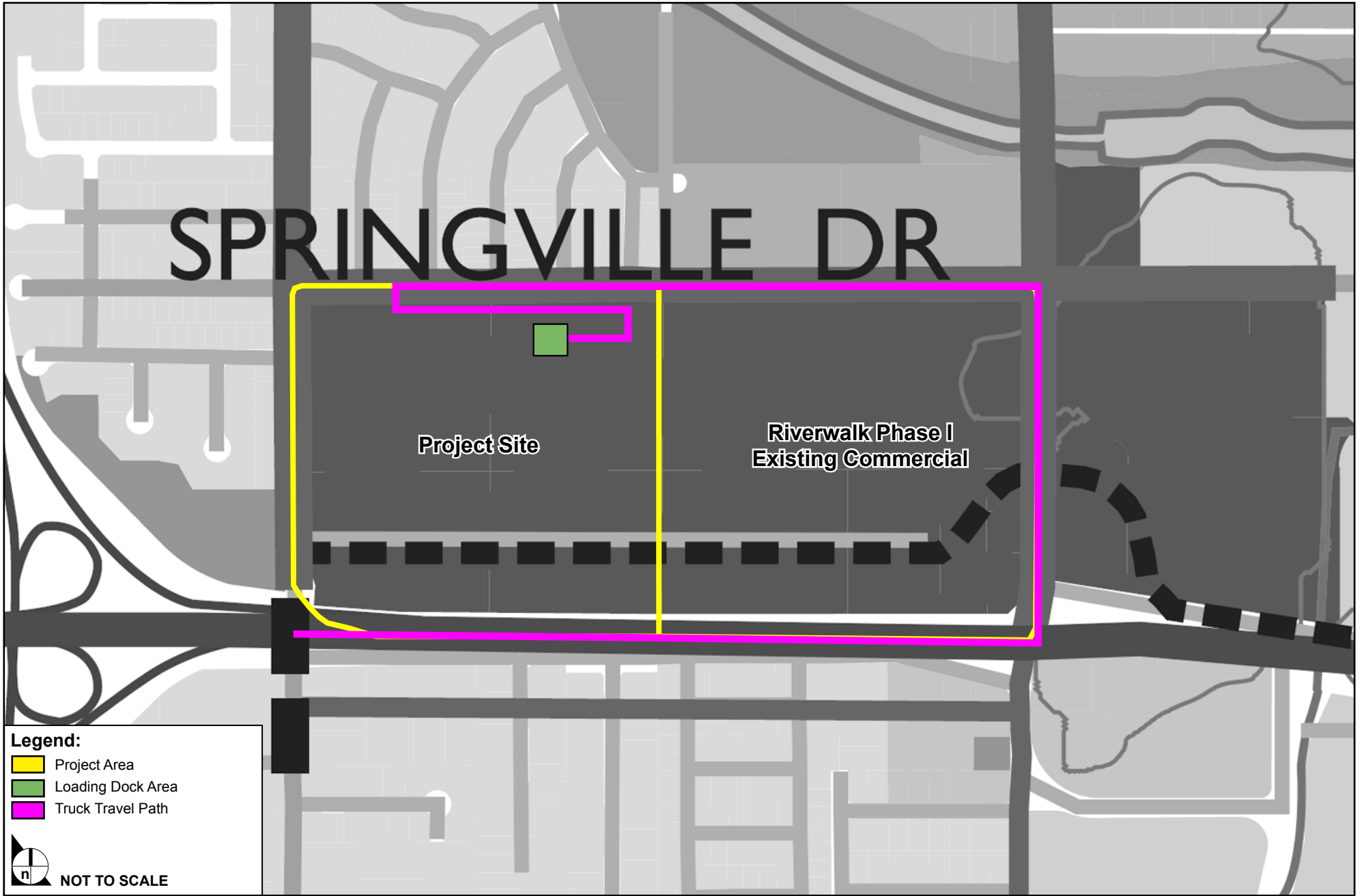
### **3.4 TRU-Equipped Trailers**

TRU-equipped trailers would be pulled by delivery trucks. Each TRU-equipped trailer coming to or leaving the project site would be hauled along the route previously described. After entering the project site, TRU-equipped trailers were assumed to be pulled to the loading dock area. It was assumed that each TRU would idle for approximately 2 hours. TRU-equipped trailers would generate emissions along the travel route and within the loading dock area.

## **4.0 CALCULATION OF EMISSIONS**

### **4.1 Emissions Factor Model 2007 (EMFAC2007)**

The DPM factors for all vehicles were determined using the CARB vehicle emission inventory program, EMFAC2007. The four-axle delivery trucks coming to the project site were represented by the heavy-heavy-duty truck (HHDT) vehicle class in EMFAC2007. The two-axle vendor trucks coming to the project site were represented by the medium-heavy-duty truck (MHDT) vehicle class in EMFAC2007. EMFAC2007 can generate total emissions and total vehicle-miles traveled (VMT) for a motor vehicle class within a specified region for a particular study year. For this analysis, Tulare County was selected for the emission factor modeling region. The motor vehicle emissions inventory for calendar year 2011 was generated based on the assumption that the facility would be built out and operating at full capacity by 2011. The 2011 emissions inventory was used to calculate the maximum annual emissions used to estimate the chronic Hazard Indices, which are based on an annual, rather than a lifetime, exposure.



SOURCE: Impact Sciences, Inc. – December 2010

FIGURE 1

Source Locations

To reflect the decrease in emission factors throughout the 70-year exposure periods for this health risk assessment, motor vehicle emissions inventories and total VMT were also generated for calendar years 2020, 2030, and 2040. These values, along with the 2011 values, were used to calculate composite vehicle emission factors. Emission factors generated for each of the composite scenario years (i.e., 2011, 2020, 2030, and 2040) were used to represent the subsequent years until the next scenario year or the end of the 70-year period for evaluation of cancer risk at sensitive receptors (e.g., emission factors for 2020 were used to represent the period between 2020 and 2029). This method was utilized in order to simplify the model calculations; however, it provides a conservative approach due to the fact that emission factors typically decrease from year to year due to turnover in vehicle fleet and implementation of new technologies. In addition, EMFAC2007 is only able to estimate VMT and emission inventories up to 2040; therefore, the 2040 composite scenario year was used to represent emissions until the end of the 70-year period (e.g., from 2040 through 2080). In reality, it is expected that emission factors would continue to decrease during that period for the reasons mentioned above. For each truck type (i.e., distribution truck and vendor truck), the composite scenario years were then combined into a single composite emission factor for the 70-year period using a weighted average approach. The composite factors were used to model the cancer risk for sensitive receptors assuming the 70-year average emission rates.

The age of the trucks were represented by the EMFAC2007 default vehicle age distributions, which are representative of the full estimated age distribution of HHDTs and MHDTs operating in Tulare County in 2011, 2020, 2030, and 2040. EMFAC2007 can also generate total emissions and total VMT per day for specific vehicle speeds. DPM emissions were only modeled for those generated on or near the project site; therefore, a vehicle speed of 10 miles per hour (mph) was conservatively assumed for all trucks traveling on local roads. A vehicle speed of 20 mph was used for travel along Highway 190. While trucks could travel faster on these roadways, these low speed values were used to account for slowdowns at intersections. Emission factors for TRUs (see **Sections 4.4** and **4.5**) were obtained from two studies published by CARB.<sup>7,8</sup>

## 4.2 Running Emissions (Trucks)

An inventory of particulate matter less than 10 microns in diameter (PM<sub>10</sub>) emissions corresponding to vehicles speeds of 10 mph and 20 mph within Tulare County in 2011, 2020, 2030, and 2040 were used to

---

<sup>7</sup> California Air Resources Board, "OFFROAD Modeling Change Technical Memo: Revisions to the Diesel Transport Refrigeration Units Inventory," Appendix D, Attachment A, <http://www.arb.ca.gov/regact/trude03/appd.pdf>.

<sup>8</sup> California Air Resources Board, "TRU Low Emission Standard from Airborne Toxic Control Measure (ATCM) for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate," <http://www.arb.ca.gov/regact/trude03/fro1.pdf>.

generate a composite emission factor for on-site truck travel. Trucks were assumed to travel an average speed of 10 mph while engaged in operational activities on or near the project site on local roads. An average speed of 20 mph was used for travel along Highway 190. The EMFAC2007 model was run for HHDTs and MHDTs (diesel-fueled engines only) at 10 mph and 20 mph for PM<sub>10</sub>, which was used a surrogate for DPM. The model output contains fleet-averaged PM<sub>10</sub> emissions on a gram-per-mile basis for the given year. This process was repeated for each of the composite scenario years to generate an emission factor corresponding to each composite year. The emission factors for each scenario year were then multiplied by their respective number of years, added together, and then divided by 70 years to calculate the composite emission factor for truck traveling emissions. **Table 1, Delivery and Vendor Truck Running 70-Year Composite Emission Factors**, shows the running emission factors for each of the composite scenario years and the final composite emission factor for distribution trucks and supply trucks.

**Table 1**  
**Delivery Truck and Vendor Truck Running 70-Year Composite Emission Factors**

Source	Starting Year	End Year	Years in Period	Emission Factor (grams/mile)	
				10 mph	20 mph
Delivery Trucks	2011	2019	9	1.2920	0.5950
	2020	2029	10	0.2700	0.1520
	2030	2039	10	0.0870	0.0690
	2040	2080	41	0.0750	0.0620
Running Composite Emission Factor			70	0.2610	0.1444
Vendor Trucks	2011	2019	9	0.6170	0.4060
	2020	2029	10	0.3260	0.2140
	2030	2039	10	0.2600	0.1710
	2040	2080	41	0.2470	0.1630
Running Composite Emission Factor			70	0.3077	0.2027

Source: Impact Sciences, Inc., (2010). Detailed calculations are available in *Appendix A*.

The truck travel distance along the portion of Highway 190 in the vicinity of the project site is approximately 0.51 mile. The truck travel distances along local roads (e.g., Jaye Street and Springville Avenue) to the loading dock is approximately 0.88 mile. These distances were multiplied by two to represent a total round trip of 2.77 miles.

Running emissions were calculated separately for travel along Highway 190 and along local roads due the different composite emission factors. The composite emission factor, expressed in grams per mile in

**Table 1**, for 20 mph was multiplied by the total round trip distance traveled along Highway 190 and the number of trucks that would visit the project site each year in order to calculate grams of DPM per year. This value was converted to grams per second for modeling purposes. For emissions occurring on the local roads, the composite emission factor for 10 mph was multiplied by the round trip distance traveled along Jaye Street and Springville Avenue and half the number of trucks that would visit the site each year. The project would operate 24 hours per day with no time-of-day limitation on deliveries; therefore, it was assumed that the emissions would be averaged over the year. In summary, the on-site delivery truck and vendor truck emissions were calculated using the following equation:

$$\text{Round Trip Distance along Route (miles/truck)} \times \text{Number of Annual Trucks Traveling on Route (trucks/year)} \times \text{Emission Factor (grams/mile)} = \text{grams/year}$$

### 4.3 Idling Emissions (Trucks)

Truck engine idling emissions for HHDTs and MHDTs were obtained using EMFAC2007. The emission factors corresponding to HHDTs and MHDTs (diesel-fueled engines only) traveling at a vehicle speed of 0 mile per hour in 2011, 2020, 2030, and 2040 were used to generate a composite emission factor for trucks while idling on site. The EMFAC2007 emission factor results were expressed in grams per idle-hour. Truck idling emissions were generated using the default vehicle age distribution in EMFAC2007. The composite idling emission factors for delivery trucks and for vendor trucks were calculated using the same method described above for running emissions. Composite idling emission factors were calculated by multiplying each composite scenario year idling emission factor by its respective number of years, adding them all together, and then dividing by 70 years. **Table 2, Delivery Truck and Vendor Truck Idling 70-Year Composite Emission Factors**, shows the idling emission factors for each of the composite scenario years, number of years applied to each scenario, and the final composite emission factor for delivery and vendor trucks.

**Table 2**  
**Delivery Truck and Vendor Truck Idling 70-Year Composite Emission Factors**

Source	Starting Year	End Year	Years in Period	Emission Factor (grams/idle-hour)
Delivery Trucks	2011	2019	9	1.6270
	2020	2029	10	0.5200
	2030	2039	10	0.1740
	2040	2080	41	0.1200
Idling Composite Emission Factor			70	0.3786
Vendor Trucks	2011	2019	9	1.1880
	2020	2029	10	0.9310
	2030	2039	10	0.8180
	2040	2080	41	0.8010
Idling Composite Emission Factor			70	0.8718

Source: Impact Sciences, Inc., (2010). Detailed calculations are available in **Appendix A**.

In general, engine idling of diesel-fueled commercial vehicles in California is restricted. In July 2004, CARB adopted an Airborne Toxic Control Measure (ATCM) that limits idling of diesel-fueled commercial vehicles to 5 minutes at any location. The project applicant has also committed to complying with the ATCM and will strictly enforce a maximum idling limit of 5 minutes per truck at the loading dock area. Therefore, for the purposes of this analysis, each delivery and vendor truck was estimated to idle for 5 minutes each round trip. The delivery truck and vendor truck idling times (e.g., 5 minutes) were multiplied by the idling emission factors and half the number of trucks that would visit the site each year to generate grams of DPM per year, which was then converted into grams per second for modeling purposes. In summary, the truck engine idling emissions at the loading dock was calculated using the following equation:

$$\text{Idling Time (hours/truck)} \times \text{Number of Annual Trucks (trucks/year)} \times \\ \text{Emission Factor (grams/idle-hour)} = \text{grams/year}$$

#### 4.4 TRU Operating (Idling) Emissions

The TRU operating emission factors were determined from CARB's *OFFROAD Modeling Change Technical Memo, Revisions to the Diesel Transport Refrigeration Units Inventory*, Appendix D, Attachment A.<sup>9</sup> At full project buildout, the average model year of TRUs coming to the project site is assumed to be 2004 (seven

<sup>9</sup> California Air Resources Board, "OFFROAD Modeling Change Technical Memo: Revisions to the Diesel Transport Refrigeration Units Inventory," Appendix D, Attachment A, <http://www.arb.ca.gov/regact/trude03/appd.pdf>.

years older than the buildout year of 2011).<sup>10</sup> The average TRU horsepower was determined to be 35 horsepower.<sup>11</sup> Emission rate values from the CARB Technical Memo, expressed in grams per horsepower-hour, were interpolated to emulate 2003 model year TRUs rated at 35 horsepower. A load factor of 0.53 was also incorporated into the TRU emission calculations to represent the average load at which TRUs operate.<sup>12</sup> TRUs are designed to maintain the proper temperature inside the cargo trailer. Once the programmed conditions have been achieved, the TRU would not operate at full load, but only enough to maintain proper conditions. In addition to variable operating loads, TRUs also have an on/off cycle during which they shut off temporarily in order to conserve fuel and energy. The average on/off cycle can range from 30 to 80 percent; however, based on discussions with a TRU manufacturer, an average value of 50 percent was used to calculate TRU emissions for the purposes of this analysis.<sup>13</sup>

Each TRU-equipped trailer was assumed to stay on site for 2 hours. The total number of TRU-equipped trailers operating at the loading dock per year was multiplied by 2 hours to calculate the total TRU operating time. The total on-site TRU operating time per year was multiplied by the average horsepower, load factor, on/off cycle factor, and emission factor to obtain grams of DPM per year. The total amount was then converted to grams per second for modeling purposes. In summary, the daily TRU idling emissions were calculated at the loading dock using the following equation:

$$\text{Emission Factor (g/hp-hr)} \times \text{Average Horsepower (hp)} \times \text{Load Factor} \times \text{On/Off Cycle Factor} \times \\ \text{Idling Time (hours/TRU)} \times \text{Number of Annual TRUs (TRUs/year)} = \text{grams/year}$$

In 2008, as outlined in CARB's *TRU Low Emission Standard from Airborne Toxic Control Measure (ATCM) for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate*,<sup>14</sup> CARB will begin enforcing the low emission performance standard for TRUs as a part of its Airborne Toxic Control Measure for In-Use Diesel-Fueled TRUs. By December 31, 2008, model year 2001 and older TRUs must comply with the low-emission standard of 0.22 gram particulate matter (PM) per horsepower-hour. By 2016, the ultra-low-emission standard of 0.02 gram PM per horsepower-hour will be required for all 2003 model year and older TRUs. As part of a phase-in compliance schedule, subsequent model year TRUs will be given seven years after their model year to comply with the ultra-low-emission standard. Full compliance with the ultra-low-emission standard is expected by 2020. The cancer risk assessment is based on a 70-year exposure period, during which a majority of the TRUs would

<sup>10</sup> Personal communication with Rod Hill, CARB, and George Lu, Impact Sciences, November 29, 2005.

<sup>11</sup> Personal communication with Rod Hill, CARB, and George Lu, Impact Sciences, November 29, 2005.

<sup>12</sup> Personal communication with Ronald Ray, Carrier Transicold, and George Lu, Impact Sciences, February 8, 2006.

<sup>13</sup> Personal communication with Ronald Ray, Carrier Transicold, and George Lu, Impact Sciences, February 8, 2006.

<sup>14</sup> California Air Resources Board, "TRU Low Emission Standard from Airborne Toxic Control Measure (ATCM) for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate," <http://www.arb.ca.gov/regact/trude03/fro1.pdf>.

be in full compliance with the ultra-low-emission standard. For purposes of this analysis, the first 10 years of operation after full buildout were assumed to operate under the low-emission standard. Starting in 2019, as required by the ATCM, 2011 model year TRUs were assumed to be compliant with the ultra-low-emissions standard. Trailers and their associated TRUs bought in 2011 (i.e., full buildout year) would be required to comply with the ultra-low-emission standard seven years after their purchase (i.e., December 31, 2018). By 2011, the project buildout year, all 2002 and older TRU model years would comply with the low-emission standard. As anticipated by the ATCM, 2004 model year TRUs (the average TRU model year in 2011) would be in full compliance with the ultra-low-emission standard by 2011. Therefore, from 2011 to 2020, the average TRU model year (seven years prior to the present year) and older models would comply with the ultra-low- or low-emission standard. It has been noted that TRUs newer than the average TRU model year would be transitioning toward the ultra-low-emission standard. However, the average TRU emission standard during the first 10-year period would not be expected to exceed the low-emission standard due to newer TRUs being built with the goal to achieve the ultra-low emissions standard.

It should also be noted that loading dock area would provide electric standby power and would be equipped with on-site electricity hook-ups that would allow TRUs to turn off their diesel engines and operate using on-site electrical power during the unloading process. This would allow TRUs to fully eliminate diesel emissions during idling once parked in the loading dock area. However, not all TRUs are equipped to take advantage of electric standby power. For the purposes of this analysis, it was assumed that all TRUs would idle using diesel engines. However, as TRUs equipped with an electric standby power option become more commonplace, they would be able to plug into the on-site electricity and eliminate diesel emissions, which would reduce the level of impacts reported in this analysis.

#### **4.5 On-Site TRU Traveling (Running) Emissions**

While delivery trucks are pulling TRU-equipped trailers on site, the operating TRU would generate DPM emissions. The same TRU emission factors used for on-site operating were used to calculate on-site TRU traveling emissions. The TRU traveling emissions were calculated along Highway 190 and the route along local roads to the loading dock. Each TRU-equipped trailer would be pulled approximately 0.51 mile along Highway 190 and approximately 0.88 mile along local roads to the loading dock. These distances were multiplied by 2 to represent a total round trip distance of 2.77 miles. The round trip distance TRU-equipped trailers would travel to the loading dock was multiplied by the number of TRU-equipped trailers coming to the project site per year that would travel along the specific route (e.g., along Highway 190 and the local roads towards the loading dock). The round trip distance was then divided by 20 mph or 10 mph, depending on whether travel was occurring on Highway 190 or the local roads, to calculate the total hours of TRU operation per year. The on-site traveling time was then multiplied by the

emission factor, average horsepower, load factor, and on/off cycle factor to obtain grams of pollutant per year. The total emissions in grams per year were then converted to grams per second for modeling purposes. In summary, the daily on-site TRU traveling emissions were calculated using the following equation:

$$\text{On-site Travel Time (hr/TRU)} \times \text{Number of Annual TRUs Traveling on Route (TRUs/year)} \times \text{Emission factor (g/hp-hr)} \times \text{Average Horsepower (hp)} \times \text{Load Factor} \times \text{On/Off Cycle Factor} = \text{grams/year}$$

#### 4.6 Emissions Summary

The resulting calculated emissions from the mobile and area sources associated with proposed operations are summarized in **Table 3, Summary of Daily Diesel Exhaust Particulate Emissions from the Proposed Project Operations**. Emissions during the first year the project would be in operation are presented as a worst-case year. Detailed emission calculations are provided in **Appendix A** to this health risk assessment.

**Table 3**  
**Summary of Daily Diesel Exhaust Particulate Emissions**  
**from the Proposed Project Operations**

Source	Emissions (grams per year)	
	2011	70-year Composite
<b>Highway 190 (Running)</b>		
Delivery Trucks	1,607.99	390.20
Vendor Trucks	946.62	472.54
TRUs <sup>1</sup>	70.28	15.52
<b>Local Roads to Loading Dock (Running)</b>		
Delivery Trucks	4,172.94	843.12
Vendor Trucks	1,719.28	857.45
TRUs <sup>1</sup>	335.98	74.18
<b>Loading Dock (Idling)</b>		
Delivery Trucks	359.57	83.67
Vendor Trucks	226.51	166.22
TRUs <sup>1</sup>	5,517.51	1,218.15

Source: Impact Sciences, Inc., (2010). Detailed calculations are available in **Appendix A**.

<sup>1</sup> All TRU emissions represent the weighted average assuming 10 years with low-emission standard and 60 years ultra-low-emission standard for the 70-year composite.

## 5.0 MODELING METHODOLOGY

The AERMOD model<sup>15</sup> was used to model the air quality impacts of DPM emissions from the project's annual operations. AERMOD is a steady-state plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, and both simple and complex terrain. The AERMOD model can estimate the air quality impacts of single or multiple sources using regional meteorological data. The model was configured with the following control parameters:

- Modeling switches: regulatory default;
- Averaging period: annual (period); and
- Choice of dispersion coefficients based upon land-use type: rural.

Meteorological data from the Porterville Municipal Airport monitoring station for 2005, 2006, 2007, and 2008, made available by the SJVAPCD, was used in AERMOD. The average modeled DPM concentrations were modeled for each meteorological data year, as recommended by the SJVAPCD. Rural dispersion coefficients were selected because the area surrounding the project site consists of relatively low-density residential and agricultural land uses. The Porterville Municipal Airport monitoring station site is approximately 2 miles southwest of the project site and is the closest meteorological monitoring station to the project area with model-ready, preprocessed data. A wind rose illustrating prevailing wind speeds and directions during 2005 through 2008 is shown in **Figures 2 through 5, Wind Rose for the Porterville Municipal Airport Monitoring Station**.

Sources of emissions from diesel trucks and TRUs were modeled using the line source and volume source options in AERMOD. The line sources, which represent driving emissions, were positioned over the pathways and roads where trucks would drive, such as Springville Avenue. The volume sources, which represent idling emissions, were positioned over the loading dock area on the north-facing side of the store. The source characteristics for each of these sources are described in additional detail in **Table 4, Source Characteristics**.

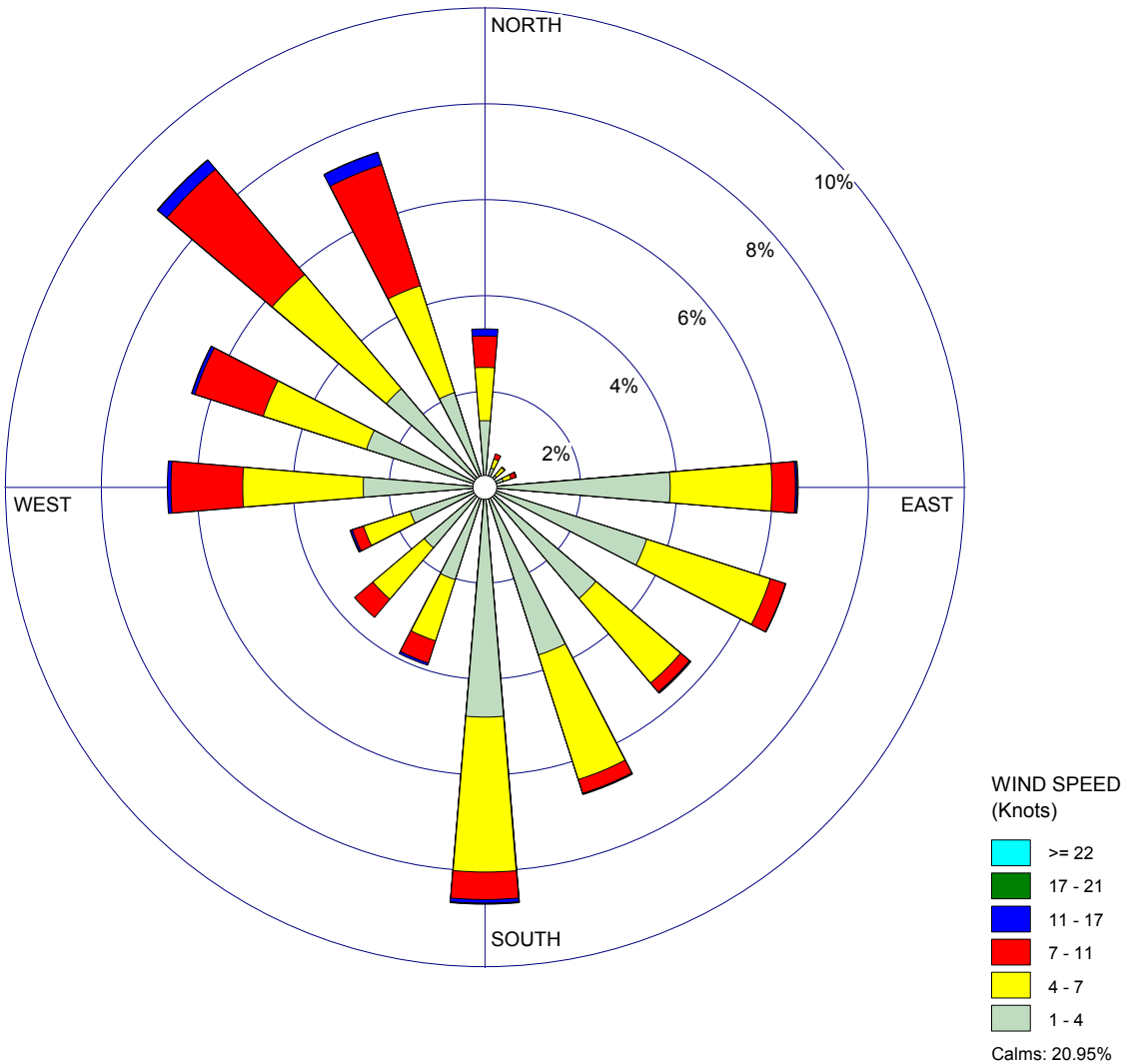
The emissions were assumed to occur daily throughout a 24 hour period, since there is no limitation on the delivery hours. However, according to the project applicant, vendor trucks would not visit the project site on Wednesdays or Saturdays. Therefore, emissions from vendor trucks were not included on Wednesdays and Saturdays in the dispersion model by applying a separate scaling factor of zero for vendor trucks on the specified days. The emissions in **Table 3** were converted into units of grams per second by dividing the emission rate in grams per year by 365 days per year, 24 hours per day, and 3,600 seconds per hour.

---

<sup>15</sup> Lakes Environmental ISC-AERMOD VIEW Software (Version 6.2.0).

WIND ROSE PLOT:  
**PORTERVILLE MUNICIPAL AIRPORT MONITORING STATION**  
**2005**

DISPLAY:  
**Wind Speed**  
**Direction (blowing from)**



COMMENTS: Surface data (Profile data not shown)	DATA PERIOD: <b>2005</b> <b>Jan 1 - Dec 31</b> <b>00:00 - 23:00</b>	COMPANY NAME: <b>Impact Sciences, Inc.</b>	
	CALM WINDS: <b>20.95%</b>	TOTAL COUNT: <b>8220 hrs.</b>	
	AVG. WIND SPEED: <b>4.42 Knots</b>	DATE: <b>8/20/2009</b>	PROJECT NO.:

SOURCE: Impact Sciences, Inc. - 2010; Lakes Environmental Software - 2010

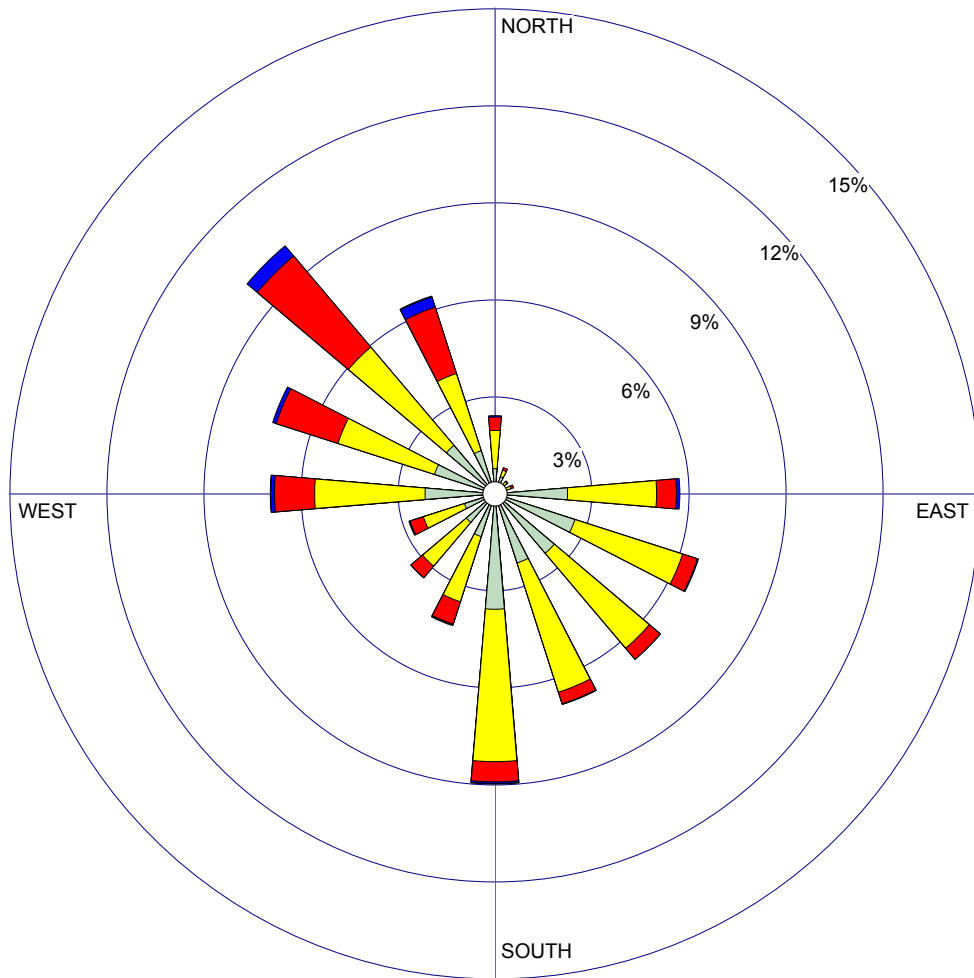
FIGURE 2



## Wind Rose for the Porterville Municipal Airport Monitoring Station, 2005

WIND ROSE PLOT:  
**PORTERVILLE MUNICIPAL AIRPORT MONITORING STATION**  
**2006**

DISPLAY:  
**Wind Speed**  
**Direction (blowing from)**



WIND SPEED  
(Knots)

- >= 22
- 17 - 21
- 11 - 17
- 7 - 11
- 4 - 7
- 1 - 4

Calms: 19.81%

COMMENTS: Surface data (Profile data not shown)	DATA PERIOD: <b>2006</b> <b>Jan 1 - Dec 31</b> <b>00:00 - 23:00</b>	COMPANY NAME: <b>Impact Sciences, Inc.</b>	
	CALM WINDS: <b>19.81%</b>	TOTAL COUNT: <b>8571 hrs.</b>	
	AVG. WIND SPEED: <b>4.69 Knots</b>	DATE: <b>8/20/2009</b>	PROJECT NO.:

SOURCE: Impact Sciences, Inc. - 2101; Lakes Environmental Software - 2010

FIGURE 3



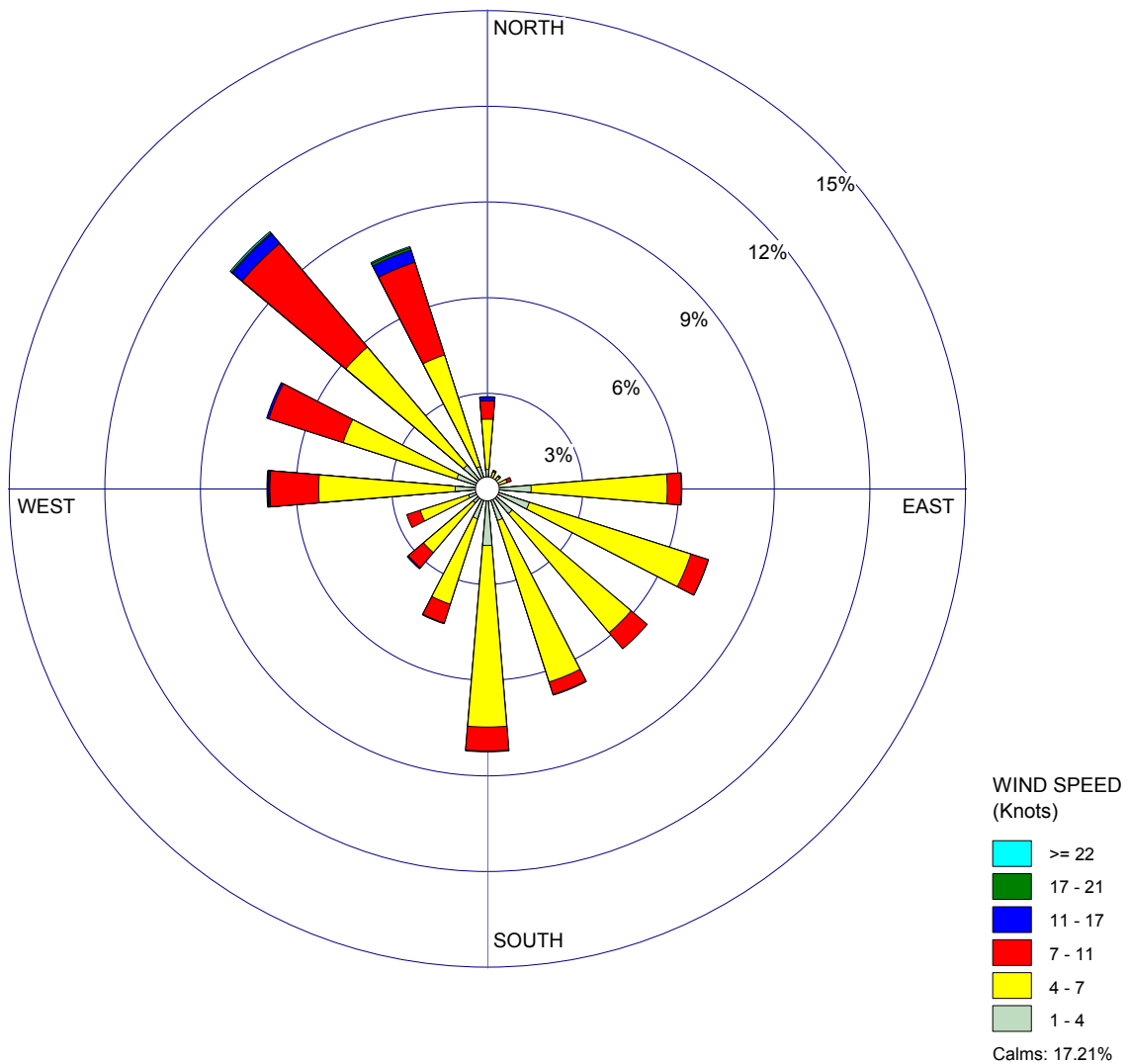
Wind Rose for the Porterville Municipal Airport Monitoring Station, 2006

WIND ROSE PLOT:

**PORTERVILLE MUNICIPAL AIRPORT MONITORING STATION  
2007**

DISPLAY:

**Wind Speed  
Direction (blowing from)**



COMMENTS: Surface data (Profile data not shown)	DATA PERIOD: <b>2007 Jan 1 - Dec 31 00:00 - 23:00</b>	COMPANY NAME: <b>Impact Sciences, Inc.</b>	
	CALM WINDS: <b>17.21%</b>	TOTAL COUNT: <b>8522 hrs.</b>	
	AVG. WIND SPEED: <b>5.09 Knots</b>	DATE: <b>8/20/2009</b>	PROJECT NO.:

SOURCE: Impact Sciences, Inc. - 2101; Lakes Environmental Software - 2010

FIGURE 4



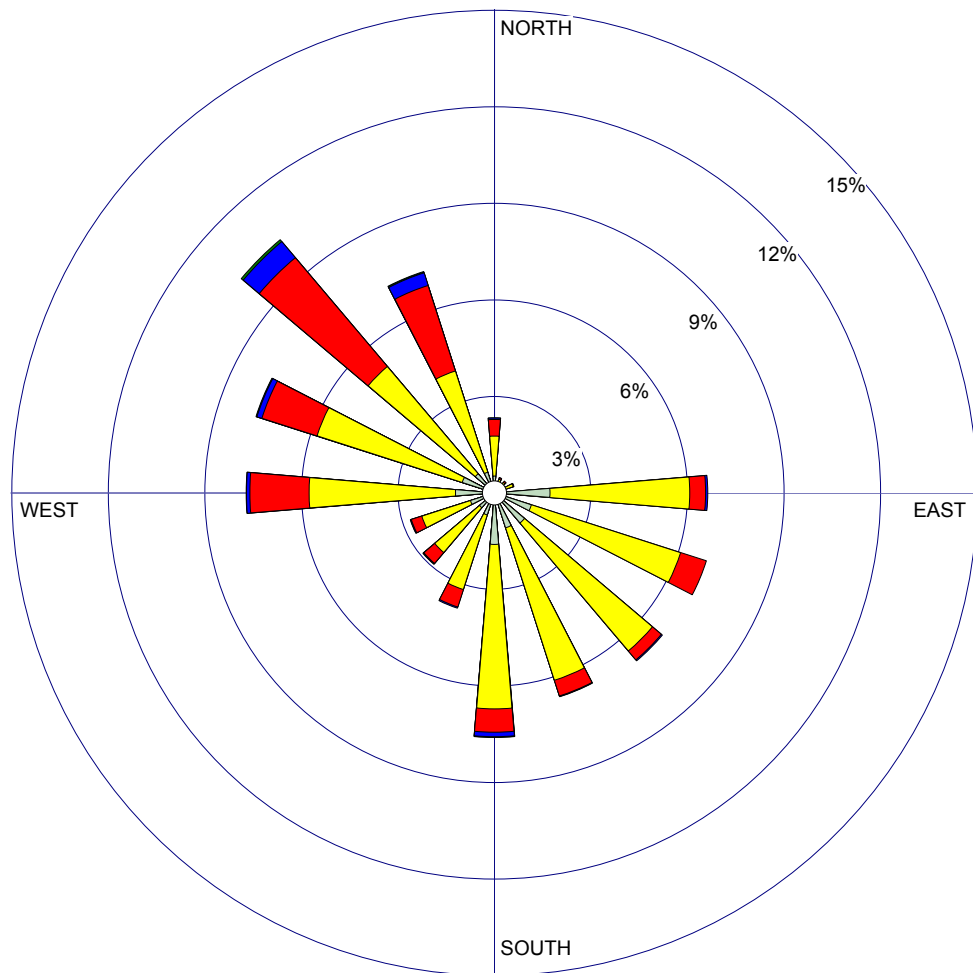
**Wind Rose for the Porterville Municipal Airport Monitoring Station, 2007**

WIND ROSE PLOT:

**PORTERVILLE MUNICIPAL AIRPORT MONITORING STATION  
2008**

DISPLAY:

**Wind Speed  
Direction (blowing from)**



WIND SPEED  
(Knots)

- >= 22
- 17 - 21
- 11 - 17
- 7 - 11
- 4 - 7
- 1 - 4

Calms: 19.13%

COMMENTS: Surface data (Profile data not shown)	DATA PERIOD: <b>2008 Jan 1 - Dec 31 00:00 - 23:00</b>	COMPANY NAME: <b>Impact Sciences, Inc.</b>	
	CALM WINDS: <b>19.13%</b>	TOTAL COUNT: <b>8573 hrs.</b>	
	AVG. WIND SPEED: <b>5.00 Knots</b>	DATE: <b>8/20/2009</b>	PROJECT NO.:

SOURCE: Impact Sciences, Inc. - 2101; Lakes Environmental Software - 2010

FIGURE 5



**Wind Rose for the Porterville Municipal Airport Monitoring Station, 2008**

**Table 4**  
**Source Characteristics**

Source Type	Description	Width <sup>1</sup> (meters)	Initial Vertical Dimension/ Release Height (meters)	Emission Rate (grams/second) <sup>2,3</sup>	
				Composite Emission Factor (for Cancer Risk)	2011 Emission Factor (for Chronic Hazard Index)
Line 1	Highway 190 (Del. Trucks and TRUs)	30	6	$1.29 \times 10^{-5}$	$5.32 \times 10^{-5}$
Line 2	Jaye St./Springville Ave. (Del. Trucks and TRUs)	10	6	$1.28 \times 10^{-5}$	$6.27 \times 10^{-5}$
Line 3	Path to Loading Dock Area 1 (Del. Trucks and TRUs)	10	6	$8.16 \times 10^{-6}$	$4.01 \times 10^{-5}$
Line 4	Path to Loading Dock Area 2 (Del. Trucks and TRUs)	10	6	$8.16 \times 10^{-6}$	$4.01 \times 10^{-6}$
Line 5	Highway 190 (Vendor Trucks)	30	6	$1.50 \times 10^{-5}$	$3.00 \times 10^{-5}$
Line 6	Jaye St./Springville Ave. (Vendor Trucks)	10	6	$1.19 \times 10^{-5}$	$2.39 \times 10^{-5}$
Line 7	Path to Loading Dock Area 1 (Vendor Trucks)	10	6	$7.63 \times 10^{-6}$	$1.53 \times 10^{-5}$
Line 8	Path to Loading Dock Area 2 (Vendor Trucks)	10	6	$7.63 \times 10^{-6}$	$1.53 \times 10^{-5}$
Volume 1	Loading Dock Area 1	15	3	$2.33 \times 10^{-5}$	$9.68 \times 10^{-5}$
Volume 2	Loading Dock Area 2	15	3	$2.33 \times 10^{-5}$	$9.68 \times 10^{-5}$

Note: Routes 1 and 2 denote travel along S Jaye Street and W Springville Avenue (860 meters) to the on-site loading dock (550 meters). The original project design indicated two loading dock areas; therefore, the model was originally set up to model the emissions from the path to each loading dock separately. The current project design indicates one loading dock area; therefore, the model was adjusted to use two overlapping paths along the local roads and on-site pathways (line sources 3 & 4 and 7 & 8) and two overlapping idling sources (volume sources 1 & 2), each representing half of the emissions.

Source: Impact Sciences, Inc., (2010). Detailed calculations are available in **Appendix A**.

<sup>1</sup> Based on the estimated width of the roadway plus 3 meters on either side.

<sup>2</sup> All emission rates are written in scientific notation (e.g.,  $1.29 \times 10^{-5}$  is equal to 0.0000129).

<sup>3</sup> To reduce the modeling run times, emission sources occurring in the same location and at the same time were combined (e.g., added together) and modeled as a single source. The emissions were adjusted to account for the relative length of the line source for each modeled line source segment.

## **6.0 RECEPTORS USED FOR EVALUATING MODELED IMPACTS**

The SJVAPCD GAMAQI states that a project is considered significant if it exposes sensitive receptors to pollutant concentrations resulting in a cancer risk greater than or equal to 10 in 1 million and/or a Hazard Index greater than or equal to 1 for non-cancer health impacts. A sensitive receptor is a person or facility (schools, hospitals, residences, etc.) that generally houses people who may experience adverse effects from unhealthful concentrations of air pollutants.

The project site is located in a low-density area in the City of Porterville. There are existing residential neighborhoods near the site across Springville Avenue to the north and across Indiana Street to the west. Residential neighborhoods are also present south of Highway 190. A nursing home is also located south of Highway 190. The nearest workplace receptors are located on the Riverwalk Marketplace I site, which is directly east of the project site.

A fence-line Cartesian grid was spaced at 25-meter intervals up to 250 meters from the project site, as measured from the property boundary of the combined Riverwalk Marketplace I and II project sites. Additional receptors were spaced as 50-meter intervals from 250 meters out to 500 meters from the property boundary. Workplace receptors were placed throughout the Riverwalk Marketplace I site at 25-meter intervals. The overall receptor grid was designed to cover nearby areas of existing and future off-site sensitive receptor exposure.

## 7.0 EVALUATION OF HEALTH IMPACTS

### 7.1 Cancer Risk

The health impacts are based on the methodologies described in the Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*<sup>16</sup> (OEHHA Guidance). The following equations are used to calculate the cancer risk due to inhalation using the modeled DPM concentrations:<sup>17</sup>

$$\text{Risk} = \text{Dose-inhalation} * \text{Inhalation potency factor (Equation 1)}$$

where:

$$\text{Dose Inhalation} = C_{\text{air}} * \text{DBR} * A * \text{EF} * \text{ED} * 10^{-6} / \text{AT (Equation 2)}$$

where:

$C_{\text{air}}$  = concentration in microgram per cubic meter

DBR = breathing rate in liter per kilogram of body weight per day

A = inhalation absorption factor (1 for DPM)

EF = exposure frequency in days per year

ED = exposure duration in years

AT = averaging period over which exposure is averaged in days (25,550 days for 70 years)

In accordance with CARB policy,<sup>18</sup> a breathing rate equal to the 80<sup>th</sup> percentile should be used in single-point risk management decisions, such as those subject to a threshold or standard, for which the cancer risk is entirely associated with inhalation and residential cancer risk are being evaluated. These two criteria are met for this assessment. Thus, a breathing rate of 302 liters per kilogram of body weight per day was used for the residential cancer risk calculations.

The risk is calculated by multiplying the dose by inhalation potency factor. The Unit Risk Value for DPM recommended by the Scientific Review Panel is  $3.0 \times 10^{-4}$  per microgram per cubic meter ( $\mu\text{g}/\text{m}^3$ ).<sup>19</sup> This value corresponds to a Cancer Potency Factor of 1.1 per milligram/kilogram (body weight) per day (mg/kg-day). The Unit Risk Value means that for receptors with an annual average concentration of

16 California Environmental Protection Agency Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, August 2003.

17 California EPA OEHHA, *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, August 2003.

18 California Environmental Protection Agency Office of Environmental Health Hazard Assessment, *Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk*, October 9, 2003.

19 California EPA, OEHHA, *Initial Statement of Reasons for Rulemaking, Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant*, June 1998.

1  $\mu\text{g}/\text{m}^3$  in the ambient air, the probability of contracting cancer over a 70-year lifetime of exposure is 300 in 1 million. This Unit Risk Value considers exposure via inhalation only. The potential exposure through other pathways (e.g., ingestion) requires substance and site-specific data, and the specific parameters for diesel exhaust are not known for these pathways.<sup>20</sup> The Unit Risk Value also assumes that a person is exposed continuously for 70 years. This approach is intended to result in conservative (i.e., health protective) estimates of health impacts and is used for the sensitive receptors previously identified. In order to calculate risk directly as a modeling output, a multiplying factor was derived based on the information discussed above. This multiplying factor, when multiplied by the concentration that the dispersion model calculates, results in risk in 1 million at a particular receptor. The multiplying factor was calculated as follows:

$$\begin{aligned} \text{Multiplying factor (residential receptor)} &= \text{CPF} * (\text{DBR} * \text{A} * \text{EF} * \text{ED} * 10^{-6}/\text{AT}) * 10^6 \\ &= 1.1 (\text{mg}/\text{kg}\text{-day})^{-1} * (302 \text{ L}/\text{kg body weight}\text{-day} * 1 * 350 \text{ day}/\text{yr} * \\ &\quad 70 \text{ yr} * 10^{-6} / 25,550 \text{ days}) * 10^6 \\ &= 318.55 (\mu\text{g}/\text{m}^3)^{-1} \end{aligned}$$

$$\begin{aligned} \text{Multiplying factor (workplace receptor)} &= 1.1 (\text{mg}/\text{kg}\text{-day})^{-1} * (302 \text{ L}/\text{kg body weight}\text{-day} * 1 * 345 \text{ day}/\text{yr} * \\ &\quad 40 \text{ yr} * 10^{-6}/25,550 \text{ days}) * 10^6 \\ &= 62.87 (\mu\text{g}/\text{m}^3)^{-1} \end{aligned}$$

**Table 5, Summary of Maximum Modeled Cancer Risks of Diesel Exhaust Particulate Matter from the Proposed Project Operations**, shows the maximum modeled cancer risk for the maximally exposed individual resulting from the project-related DPM emissions.

---

<sup>20</sup> California Air Resources Board, *Report to the Air Resources Board on the Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant, Part A Exposure Assessment (as approved by the Scientific Review Panel)*, April 1998.

**Table 5**  
**Summary of Maximum Modeled Cancer Risks of Diesel Particulate Matter**  
**from the Proposed Project Operations**

Receptor	Cancer Risk (in 10 million)
Residential <sup>1</sup>	9.76
Workplace <sup>2</sup>	0.68

Source: Impact Sciences, Inc., (2010). Detailed calculations are available in **Appendix A**.

<sup>1</sup> Maximally exposed individual is located near the intersection of Springville Avenue and Chess Terrace Street.

<sup>2</sup> Maximally exposed individual is located at the fenceline between the project site and the Riverwalk Marketplace I site.

According to the model results, the maximally exposed individual was located near the intersection of Springville Avenue and Chess Terrace Street to the north of the project site. The other nearby residential neighborhoods were determined to result in less health impacts. Workplace receptors were also determined to result in less health impacts. The value shown in **Table 5** is the highest modeled value using meteorological data from 2005 through 2008, as provided by the SJVAPCD, and indicates that the cancer risk as a result of the proposed project at the maximally exposed individual is less than 10 in 1 million. This is considered a less than significant impact.

## 7.2 Chronic Hazard Index

In addition to the potential cancer risk, DPM has chronic (i.e., long term) non-cancer health impacts. The chronic non-cancer inhalation-hazard indices for the proposed project were calculated by dividing the modeled annual average concentrations of DPM, using the 2011 emission rates, by the Reference Exposure Level (REL). These DPM concentrations represent the worst-case year; therefore, the chronic noncancer hazard indices for 2011 represent the maximum impacts. The detailed calculations are provided in **Appendix A**.

The California Environmental Protection Agency's Office of Environmental Health Hazard Assessment has recommended an ambient concentration of 5 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) as the chronic inhalation REL for diesel exhaust. The REL is the concentration at or below which no adverse health effects are anticipated. The inhalation REL for acute (i.e., short-term) effects from DPM is currently under study and OEHHA has not determined a value to be used to estimate acute DPM health impacts. Therefore, acute health impacts have not been estimated.

The maximum chronic Hazard Index at the maximally exposed individual is shown in **Table 6, Summary of Maximum Non-Cancer Health Impacts of Diesel Exhaust Particulate Matter from the Proposed Project Operations**. The chronic Hazard Index at the maximally exposed individual is much less than the SJVAPCD's significance threshold of 1 for non-cancer health impacts.

**Table 6**  
**Summary of Maximum Non-Cancer Health Impacts**  
**of Diesel Particulate Matter from the Proposed Project Operations**

Receptor	Chronic Health Impact
Residential <sup>1</sup>	0.0232
Workplace <sup>2</sup>	0.0078

*Source: Impact Sciences, Inc., (2010). Detailed calculations are available in Appendix A.*

<sup>1</sup> Maximally exposed individual is located near the intersection of Springville Avenue and Chess Terrace Street.

<sup>2</sup> Maximally exposed individual is located at the fenceline between the project site and the Riverwalk Marketplace I site.

According to the model results, the maximally exposed individual was located near the intersection of Springville Avenue and Chess Terrace Street to the north of the project site. The other nearby residential neighborhoods were determined to result in less health impacts. Workplace receptors were also determined to result in less health impacts. The value shown in **Table 6** is the highest modeled value using meteorological data from 2005 through 2008, as provided by the SJVAPCD, indicates that the Hazard Index as a result of the proposed project at the maximally exposed individual is much less than 1. This is considered a less than significant impact.

## 8.0 CONCLUSIONS

Based on this analysis, the health impacts resulting from the proposed project would not exceed the SJVAPCD significance threshold of an incremental cancer risk of 10 in 1 million since the maximum anticipated cancer risk is 9.76 in 1 million at the maximally exposed individual receptor. In addition, the chronic Hazard Index for non-cancer health impact is well below the significance threshold of 1 at the maximally exposed individual receptor. Based on this assessment, the health impacts associated with operation of the proposed project would result in an impact that is considered less than significant.

It should be noted that these health impacts were based on conservative (i.e., health protective) assumptions, as explained in this analysis, and do not fully take into account the reductions in diesel emissions from trucks and TRUs that would occur over the lifetime of the project. Sources of DPM, in particular heavy-duty trucks, are subject to increasingly stringent emission standards, many of which will

take effect in upcoming years. Furthermore, it is likely that trucks and TRUs would be replaced with new, cleaner models in an effort to comply with new state fleet regulations and emission standards. Although the health risk assessment was based on composite emission factors that incorporate some of the reductions in emission factors throughout the 70-year period, EMFAC2007 can only estimate VMT and emissions inventories up to 2040. Hence, the extent of emission reduction technologies and standards from 2041 to 2080 cannot be reflected in the modeled emissions. In addition, EMFAC2007's default age distribution includes vehicles up to 45 years old; therefore, the supply trucks for the 2040 composite scenario year would include HHDT and MHDT model years back to 1995. Therefore, a portion of these trucks would not meet the 2007 heavy-duty diesel truck emission standards. Due to the inclusion of these pre-2007 heavy-duty diesel trucks, the emissions used to calculate cancer risks and non-cancer health impacts are a conservative estimate of what the emissions would be throughout the entire 70-year period.

For sensitive receptors, this health risk assessment is based on a lifetime exposure of 70 years. According to the OEHHA health risk assessment guidance manual, 30 years represents a "high-end" estimate of the length of time that a person resides in one location. Using the calculations in the OEHHA guidance manual, the cancer risk associated with a 30-year exposure period would be 30/70 of the 70-year cancer risk. Accordingly, the cancer risk at the maximally impacted residential receptor would be 4.18 in 1 million for a 30-year exposure period.

**APPENDIX A**

---

**Emission Calculations**

Title : Tulare 2011 MHDT/HHDT  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2009/09/02 12:08:51  
 Scen Year: 2011 -- All model years in the range 1967 to 2011 selected  
 Season : Annual  
 Area : Tulare

\*\*\*\*\*  
 Year: 2011 -- Model Years 1967 to 2011  
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Tulare

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: PM10		Temperature: 64F					Relative Humidity: 47%			
Speed MPH	LDA NCAT	LDA CAT	LDA DSL	LDA ALL	LDT1 NCAT	LDT1 CAT	LDT1 DSL	MHD DSL	HHH DSL	
0	0	0	0	0	0	0	0	0	1.188	1.627 grams/idle-hour
10	0	0	0	0	0	0	0	0	0.617	1.292 grams/mile
20	0	0	0	0	0	0	0	0	0.406	0.595 grams/mile

Notes:

Temperature data based on average annual temperature in Porterville, California.  
 (Source: Western Regional Climate Center, "Monthly Temperature Listings - Average," <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?caport>.)

Relative humidity based on data from the City of Porterville.  
 (Source: City of Porterville, "Community Profile - Good Life," <http://www.ci.porterville.ca.us/offices/departments/content.cfm?did=20&sdid=365>)

Title : Tulare 2020 MHDT/HHDT  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2009/09/02 12:09:07  
 Scen Year: 2020 -- All model years in the range 1976 to 2020 selected  
 Season : Annual  
 Area : Tulare

\*\*\*\*\*  
 Year: 2020 -- Model Years 1976 to 2020  
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Tulare

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: PM10 Temperature: 64F Relative Humidity: 47%

Speed MPH	LDA NCAT	LDA CAT	LDA DSL	LDA ALL	LDT1 NCAT	LDT1 CAT	LDT1 DSL	MHD DSL	HHH DSL	
0	0	0	0	0	0	0	0	0	0.931	0.52 grams/idle-hour
10	0	0	0	0	0	0	0	0	0.326	0.27 grams/mile
20	0	0	0	0	0	0	0	0	0.214	0.152 grams/mile

\*\*\*\*\*

Notes:

Temperature data based on average annual temperature in Porterville, California.  
 (Source: Western Regional Climate Center, "Monthly Temperature Listings - Average," <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?caport>.)

Relative humidity based on data from the City of Porterville.  
 (Source: City of Porterville, "Community Profile - Good Life," <http://www.ci.porterville.ca.us/offices/departments/content.cfm?did=20&sdid=365>)

Title : SJVAPCD 2030 MDHT/HHDT  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2009/09/02 12:09:20  
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected  
 Season : Annual  
 Area : Tulare

\*\*\*\*\*  
 Year: 2030 -- Model Years 1986 to 2030  
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Tulare

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: PM10 Temperature: 64F Relative Humidity: 47%

Speed MPH	LDA NCAT	LDA CAT	LDA DSL	LDA ALL	LDT1 NCAT	LDT1 CAT	LDT1 DSL	MHD DSL	HHH DSL	
0	0	0	0	0	0	0	0	0	0.818	0.174 grams/idle-hour
10	0	0	0	0	0	0	0	0	0.26	0.087 grams/mile
20	0	0	0	0	0	0	0	0	0.171	0.069 grams/mile

\*\*\*\*\*

Notes:

Temperature data based on average annual temperature in Porterville, California.  
 (Source: Western Regional Climate Center, "Monthly Temperature Listings - Average," <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?caport>.)

Relative humidity based on data from the City of Porterville.  
 (Source: City of Porterville, "Community Profile - Good Life," <http://www.ci.porterville.ca.us/offices/departments/content.cfm?did=20&sdid=365>)

Title : SJVAPCD 2040 MHDT/HHDT  
 Version : Emfac2007 V2.3 Nov 1 2006  
 Run Date : 2009/09/02 12:09:35  
 Scen Year: 2040 -- All model years in the range 1996 to 2040 selected  
 Season : Annual  
 Area : Tulare

\*\*\*\*\*  
 Year: 2040 -- Model Years 1996 to 2040  
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average Tulare

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: PM10 Temperature: 64F Relative Humidity: 47%

Speed MPH	LDA NCAT	LDA CAT	LDA DSL	LDA ALL	LDT1 NCAT	LDT1 CAT	LDT1 DSL	MHD DSL	HHH DSL	
0	0	0	0	0	0	0	0	0	0.801	0.12 grams/idle-hour
10	0	0	0	0	0	0	0	0	0.247	0.075 grams/mile
20	0	0	0	0	0	0	0	0	0.163	0.062 grams/mile

\*\*\*\*\*

Notes:

Temperature data based on average annual temperature in Porterville, California.  
 (Source: Western Regional Climate Center, "Monthly Temperature Listings - Average," <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?caport.>)

Relative humidity based on data from the City of Porterville.  
 (Source: City of Porterville, "Community Profile - Good Life," <http://www.ci.porterville.ca.us/offices/departments/content.cfm?did=20&sdid=365>)

**Riverwalk Marketplace II**  
**Evaluation of Health Impacts from Delivery and Vendor Trucks**

**Table HRA-1**  
**Composite Emission Factors from EMFAC2007**

<b>DELIVERY TRUCKS (HHDT)</b>					
<b>Running Emissions</b>					
			<b>Emission Factor (grams/mile)</b>		
<b>Start Year</b>	<b>End Year</b>	<b>Total Weighted Years</b>	<b>10 MPH</b>	<b>20 MPH</b>	
2011	2019	9	1.2920	0.5950	
2020	2029	10	0.2700	0.1520	
2030	2039	10	0.0870	0.0690	
2040	2080	41	0.0750	0.0620	
<b>Running Composite Factor</b>		<b>70</b>	<b>0.2610</b>	<b>0.1444</b>	
<b>Idling Emissions</b>					
			<b>Emission Factor (grams/mile)</b>		
<b>Start Year</b>	<b>End Year</b>	<b>Total Weighted Years</b>	<b>(grams/hour)</b>	<b>(grams/minute)</b>	
2011	2019	9	1.6270	0.0271	
2020	2029	10	0.5200	0.0087	
2030	2039	10	0.1740	0.0029	
2040	2080	41	0.1200	0.0020	
<b>Idling Composite Factor</b>		<b>70</b>	<b>0.3786</b>	<b>0.0063</b>	
<b>VENDOR TRUCKS (MHDT)</b>					
<b>Running Emissions</b>					
			<b>Emission Factor (grams/mile)</b>		
<b>Start Year</b>	<b>End Year</b>	<b>Total Weighted Years</b>	<b>10 MPH</b>	<b>20 MPH</b>	
2011	2019	9	0.6170	0.4060	
2020	2029	10	0.3260	0.2140	
2030	2039	10	0.2600	0.1710	
2040	2080	41	0.2470	0.1630	
<b>Running Composite Factor</b>		<b>70</b>	<b>0.3077</b>	<b>0.2027</b>	
<b>Idling Emissions</b>					
			<b>Emission Factor (grams/mile)</b>		
<b>Start Year</b>	<b>End Year</b>	<b>Total Weighted Years</b>	<b>(grams/hour)</b>	<b>(grams/minute)</b>	
2011	2019	9	1.1880	0.0198	
2020	2029	10	0.9310	0.0155	
2030	2039	10	0.8180	0.0136	
2040	2080	41	0.8010	0.0134	
<b>Idling Composite Factor</b>		<b>70</b>	<b>0.8718</b>	<b>0.0145</b>	

**Riverwalk Marketplace II  
Evaluation of Health Impacts from Delivery and Vendor Trucks**

**Table HRA-2  
Truck Running Exhaust Emissions (Composite)**

Category	Vehicle Class	Rounds Trips Per Year	Round Trip Length (miles)	Composite Running Emission Factor (grams/mile)	PM10 Emissions	
					(grams/year)	(grams/second)
Delivery Truck (HWY 190)	HHDT	2652	1.0190	0.1444	390.2037	1.24E-05
Delivery Truck (Route 1)	HHDT	1326	1.7523	0.2610	606.5327	1.92E-05
Delivery Truck (Route 2)	HHDT	1326	1.7523	0.2610	606.5327	1.92E-05
Vendor Truck (HWY 190)	MHDT	2288	1.0190	0.2027	472.5439	1.50E-05
Vendor Truck (Route 1)	MHDT	1144	1.7523	0.3077	616.8401	1.96E-05
Vendor Truck (Route 2)	MHDT	1144	1.7523	0.3077	616.8401	1.96E-05

Note: Routes 1 and 2 denote travel along S Jaye Street and W Springville Avenue (860 meters) to the on-site loading dock (550 meters). The original project design indicated 2 loading dock areas; therefore, the model was originally set up to model the emissions from the path to each loading dock separately. The current project design indicates one loading dock area; therefore, the model was adjusted to use two overlapping paths along the local roads (line sources) and two overlapping idling (volume) sources, each representing half of the emissions.

**Table HRA-3  
Truck Idling Exhaust Emissions (Composite)**

Category	Vehicle Class	Number of Vehicles Per Year	Total Idling Time (hours/year)	Composite Idling Emission Factor (grams/hour)	PM10 Emissions	
					(grams/year)	(grams/second)
Delivery Truck (Route 1)	HHDT	1326	110.50	0.3786	41.8369	1.33E-06
Delivery Truck (Route 2)	HHDT	1326	110.50	0.3786	41.8369	1.33E-06
Vendor Truck (Route 1)	MHDT	1144	95.33	0.8718	83.1075	2.64E-06
Vendor Truck (Route 2)	MHDT	1144	95.33	0.8718	83.1075	2.64E-06

Note: An idling time of 5 minutes per truck per day will be enforced by the project applicant.

**Riverwalk Marketplace II  
Evaluation of Health Impacts from Delivery and Vendor Trucks**

**Table HRA-4  
TRU Traveling Times and PM10 Emission Factors**

Equipment Type	Rounds Trips Per Year	Round Trip Length (miles)	Driving Time (hours)	PM10 Emission Factors	
				2008 Low Emission Performance Standard (g/hp-hour)	2020 Ultra-Low Emission Performance Standard (g/hp-hour)
TRU (HWY 190)	676	1.0190	34.44	0.22	0.02
TRU (Route 1)	676	1.7523	118.45	0.22	0.02
TRU (Route 2)	676	1.7523	118.45	0.22	0.02

Note: Emission factors were interpolated for Model Year 2004, 25 hp, and Model Year 2004, 50 hp, then interpolated for 35 hp engines. Routes 1 and 2 include travel along Highway 190.

**Table HRA-5  
TRU Traveling Exhaust Emissions**

Category Hauling TRU	Average Horsepower (hp)	Load Factor	On/Off Cycle Factor	On-Site Driving Time (hours)	Emission Factor (g/hp-hour)	PM10 Emissions	
						(grams/year)	(grams/second)
<b>2008 Low Emission Performance Standard</b>							
TRU (HWY 190)	35	0.53	0.50	34.44	0.22	70.2825	2.23E-06
TRU (Route 1)	35	0.53	0.50	118.45	0.22	241.7031	7.66E-06
TRU (Route 2)	35	0.53	0.50	118.45	0.22	241.7031	7.66E-06
<b>2020 Ultra-Low Emission Performance Standard</b>							
TRU (HWY 190)	35	0.53	0.50	34.44	0.02	6.3893	2.03E-07
TRU (Route 1)	35	0.53	0.50	118.45	0.02	21.9730	6.97E-07
TRU (Route 2)	35	0.53	0.50	118.45	0.02	21.9730	6.97E-07

**Table HRA-6  
TRU Traveling Exhaust Emissions (Weighted Average)**

Category Hauling TRU	Rounds Trips Per Year	2008 LEPS (years)	2020 ULEPS (years)	PM10 Weighed Average Emissions	
				(grams/year)	(grams/second)
TRU (HWY 190)	676.00	10	60	15.5169	4.92E-07
TRU (Route 1)	676	10	60	53.3630	1.69E-06
TRU (Route 2)	676	10	60	53.3630	1.69E-06

Sources:

1. California Air Resources Board, "Emission Factors from OFFROAD Modeling Change Technical Memo: Revisions to the Diesel Transport Refrigeration Units Inventory, Appendix D," <http://www.arb.ca.gov/regact/trude03/appd.pdf>.
2. California Air Resources Board, "TRU Low Emission Standard from "Airborne Toxic Control Measure (ATCM) for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate," <http://www.arb.ca.gov/regact/trude03/fro1.pdf>.

**Riverwalk Marketplace II**  
**Evaluation of Health Impacts from Delivery and Vendor Trucks**

**Table HRA-7**  
**TRU Operating Times and PM10 Emission Factors**

Category Hauling TRU	Number of TRU Equipped Trailers Per Year	Idling Time Per TRU (hours)	Total Idling Time (hours)	PM10 Emission Factors	
				2008 Low Emission Performance Standard (g/hp-hour)	2020 Ultra-Low Emission Performance Standard (g/hp-hour)
Delivery Truck (Route 1)	676	2	1352	0.22	0.02
Delivery Truck (Route 2)	676	2	1352	0.22	0.02

Note: Emission factors were interpolated for Model Year 2004, 25 hp, and Model Year 2004, 50 hp, then interpolated for 35 hp engines.

**Table HRA-8**  
**TRU Operating Exhaust Emissions**

Category Hauling TRU	Average Horsepower (hp)	Load Factor	On/Off Cycle Factor	On-Site Idling Time (hours)	Emission Factor (g/hp-hour)	PM10 Emissions	
						(grams/year)	(grams/second)
<b>2008 Low Emission Performance Standard</b>							
Delivery Truck (Route 1)	35	0.53	0.50	1352	0.22	2758.7560	8.75E-05
Delivery Truck (Route 2)	35	0.53	0.50	1352	0.22	2758.7560	8.75E-05
<b>2020 Ultra-Low Emission Performance Standard</b>							
Delivery Truck (Route 1)	35	0.53	0.50	1352	0.02	250.7960	7.95E-06
Delivery Truck (Route 2)	35	0.53	0.50	1352	0.02	250.7960	7.95E-06

**Table HRA-9**  
**TRU Traveling Operating Emissions (Weighted Average)**

Category Hauling TRU	Number of TRU Equipped Trailers Per Day	2008 LEPS (years)	2020 ULEPS (years)	PM10 Weighed Average Emissions	
				(grams/year)	(grams/second)
Delivery Truck (Route 1)	676	10	60	609.0760	1.93E-05
Delivery Truck (Route 2)	676	10	60	609.0760	1.93E-05

Sources:

1. California Air Resources Board, "Emission Factors from OFFROAD Modeling Change Technical Memo: Revisions to the Diesel Transport Refrigeration Units Inventory, Appendix D," <http://www.arb.ca.gov/regact/trude03/appd.pdf>.
2. California Air Resources Board, "TRU Low Emission Standard from "Airborne Toxic Control Measure (ATCM) for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate," <http://www.arb.ca.gov/regact/trude03/fro1.pdf>.

**Riverwalk Marketplace II  
Evaluation of Health Impacts from Delivery and Vendor Trucks**

**Table HRA-10  
Truck and TRU Running Exhaust Emissions (2011)**

Category	Vehicle Class	Rounds Trips Per Year	Round Trip Length (miles)	2011 Running Emission Factor (grams/mile)	PM10 Emissions	
					(grams/year)	(grams/second)
Delivery Truck (HWY 190)	HHDT	2652	1.0190	0.5950	1607.9929	5.10E-05
Delivery Truck (Route 1)	HHDT	1326	1.7523	1.2920	3001.9603	9.52E-05
Delivery Truck (Route 2)	HHDT	1326	1.7523	1.2920	3001.9603	9.52E-05
Vendor Truck (HWY 190)	MHDT	2288	1.0190	0.4060	946.6201	3.00E-05
Vendor Truck (Route 1)	MHDT	1144	1.7523	0.6170	1236.8303	3.92E-05
Vendor Truck (Route 2)	MHDT	1144	1.7523	0.6170	1236.8303	3.92E-05
TRU (HWY 190)	TRU	676	1.0190	0.22 (g/hp-hr)	70.2825	2.23E-06
TRU (Route 1)	TRU	676	1.7523	0.22 (g/hp-hr)	241.7031	7.66E-06
TRU (Route 2)	TRU	676	1.7523	0.22 (g/hp-hr)	241.7031	7.66E-06

**Table HRA-11  
Truck and TRU Idling Exhaust Emissions (2011)**

Category	Vehicle Class	Number of Vehicles Per Year	Total Idling Time (hours/year)	2011 Idling Emission Factor (grams/hour)	PM10 Emissions	
					(grams/year)	(grams/second)
Delivery Truck (Route 1)	HHDT	1326	110.50	1.627	179.7835	5.70E-06
Delivery Truck (Route 2)	HHDT	1326	110.50	1.627	179.7835	5.70E-06
Vendor Truck (Route 1)	MHDT	1144	95.33	1.188	113.2560	3.59E-06
Vendor Truck (Route 2)	MHDT	1144	95.33	1.188	113.2560	3.59E-06
TRU (Route 1)	TRU	676	1352	0.22 (g/hp-hr)	2758.7560	8.75E-05
TRU (Route 2)	TRU	676	1352	0.22 (g/hp-hr)	2758.7560	8.75E-05

Note: Assumes an idling time of 15 minutes per truck.

Riverwalk Marketplace II  
Evaluation of Health Impacts from Delivery and Vendor Trucks

Table HRA-12  
AERMOD Sources

Source Type	Sub-Category	Round Trip (miles)	PM10 Emissions		Line Sources	Volume Source	AERMOD Source
			(grams/year)	(grams/second)			
<b>Cancer Risk Modeling Scenario</b>							
HWY 190	Delivery Trucks	1640	390.2037	1.24E-05			
	TRUs	1640	15.5169	4.92E-07			
	<b>SUBTOTAL</b>		<b>405.7206</b>	<b>1.29E-05</b>	<b>1</b>		<b>LINE1</b>
	<b>Vendor Trucks</b>	<b>1640</b>	<b>472.5439</b>	<b>1.50E-05</b>	<b>1</b>		<b>LINE5</b>
Jaye/ Springville	Delivery Trucks	1720	369.9420	1.17E-05			
	TRUs	1720	32.5477	1.03E-06			
	<b>SUBTOTAL</b>		<b>402.4896</b>	<b>1.28E-05</b>	<b>1</b>		<b>LINE2</b>
	<b>Vendor Trucks</b>	<b>1720</b>	<b>376.2287</b>	<b>1.19E-05</b>	<b>1</b>		<b>LINE6</b>
Route 1	Delivery Trucks	1100	236.5908	7.50E-06			
	TRUs	1100	20.8154	6.60E-07			
	<b>SUBTOTAL</b>		<b>257.4061</b>	<b>8.16E-06</b>	<b>1</b>		<b>LINE3</b>
	<b>Vendor Trucks</b>	<b>1100</b>	<b>240.6114</b>	<b>7.63E-06</b>	<b>1</b>		<b>LINE7</b>
Route 2	Delivery Trucks	1100	236.5908	7.50E-06			
	TRUs	1100	20.8154	6.60E-07			
	<b>SUBTOTAL</b>		<b>257.4061</b>	<b>8.16E-06</b>	<b>1</b>		<b>LINE4</b>
	<b>Vendor Trucks</b>	<b>1100</b>	<b>240.6114</b>	<b>7.63E-06</b>	<b>1</b>		<b>LINE8</b>
Idle 1	Delivery Trucks		41.8369	1.33E-06			
	Vendor Trucks		83.1075	2.64E-06			
	TRUs		609.0760	1.93E-05			
	<b>SUBTOTAL</b>		<b>734.0204</b>	<b>2.33E-05</b>		<b>1</b>	<b>VOL1</b>
Idle 2	Delivery Trucks		41.8369	1.33E-06			
	Vendor Trucks		83.1075	2.64E-06			
	TRUs		609.0760	1.93E-05			
	<b>SUBTOTAL</b>		<b>734.0204</b>	<b>2.33E-05</b>		<b>1</b>	<b>VOL2</b>
<b>Chronic Health Risk Modeling Scenario</b>							
HWY 190	Delivery Trucks	1640	1607.9929	5.10E-05			
	TRUs	1640	70.2825	2.23E-06			
	<b>SUBTOTAL</b>		<b>1678.2754</b>	<b>5.32E-05</b>	<b>1</b>		<b>LINE1</b>
	<b>Vendor Trucks</b>	<b>1640</b>	<b>946.6201</b>	<b>3.00E-05</b>	<b>1</b>		<b>LINE5</b>
Jaye/ Springville	Delivery Trucks	1720	1830.9829	5.81E-05			
	TRUs	1720	147.4217	4.67E-06			
	<b>SUBTOTAL</b>		<b>1978.4047</b>	<b>6.27E-05</b>	<b>1</b>		<b>LINE2</b>
	<b>Vendor Trucks</b>	<b>1720</b>	<b>754.3787</b>	<b>2.39E-05</b>	<b>1</b>		<b>LINE6</b>
Route 1	Delivery Trucks	1100	1170.9774	3.71E-05			
	TRUs	1100	94.2813	2.99E-06			
	<b>SUBTOTAL</b>		<b>1265.2588</b>	<b>4.01E-05</b>	<b>1</b>		<b>LINE3</b>
	<b>Vendor Trucks</b>	<b>1100</b>	<b>482.4515</b>	<b>1.53E-05</b>	<b>1</b>		<b>LINE7</b>
Route 2	Delivery Trucks	1100	1170.9774	3.71E-05			
	TRUs	1100	94.2813	2.99E-06			
	<b>SUBTOTAL</b>		<b>1265.2588</b>	<b>4.01E-05</b>	<b>1</b>		<b>LINE4</b>
	<b>Vendor Trucks</b>	<b>1100</b>	<b>482.4515</b>	<b>1.53E-05</b>	<b>1</b>		<b>LINE8</b>
Idle 1	Delivery Trucks		179.7835	5.70E-06			
	Vendor Trucks		113.2560	3.59E-06			
	TRUs		2758.7560	8.75E-05			
	<b>SUBTOTAL</b>		<b>3051.7955</b>	<b>9.68E-05</b>		<b>1</b>	<b>VOL1</b>
Idle 2	Delivery Trucks		179.7835	5.70E-06			
	Vendor Trucks		113.2560	3.59E-06			
	TRUs		2758.7560	8.75E-05			
	<b>SUBTOTAL</b>		<b>3051.7955</b>	<b>9.68E-05</b>		<b>1</b>	<b>VOL2</b>

**Riverwalk Marketplace II**  
**Evaluation of Health Impacts from Delivery and Vendor Trucks**

**Table HRA-13**  
**Maximum Individual Cancer Risk (MICR) at Maximally Exposed Individual (MEI)**

Model Run (Met Data)	Pollutant	CPF	C <sub>AIR,ANN</sub>	DBR	A	EF	ED	AT	Mult Factor	MICR	Threshold	Over?
Residential (2005)	DPM	1.10E+00	3.06E-02	302	1	350	70	25550	318.55	9.76	10	NO
Residential (2006)	DPM	1.10E+00	2.69E-02	302	1	350	70	25550	318.55	8.55	10	NO
Residential (2007)	DPM	1.10E+00	2.33E-02	302	1	350	70	25550	318.55	7.41	10	NO
Residential (2008)	DPM	1.10E+00	2.26E-02	302	1	350	70	25550	318.55	7.20	10	NO
Workplace (2005)	DPM	1.10E+00	1.07E-02	149	1	245	40	25550	62.87	0.68	10	NO
Workplace (2006)	DPM	1.10E+00	1.02E-02	149	1	245	40	25550	62.87	0.64	10	NO
Workplace (2007)	DPM	1.10E+00	9.42E-03	149	1	245	40	25550	62.87	0.59	10	NO
Workplace (2008)	DPM	1.10E+00	1.05E-02	149	1	245	40	25550	62.87	0.66	10	NO

Exposure factors used to calculate cancer risk:

CPF	Cancer Potency Factor (mg/kg-day) <sup>-1</sup> .
C <sub>AIR,ANN</sub>	Modeled annual concentration (µg/m <sup>3</sup> ).
DBR	Daily breathing rate (L/kg (body weight) per day). DBR Sources: 1. California Air Resources Board and Office of Environmental Health Hazard Assessment, <i>Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk</i> , (2003). 2. California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, <i>Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments</i> , (2003).
A	Inhalation absorption factor (default = 1).
EF	Exposure frequency (days/year).
ED	Exposure duration (years).
AT	Average time period over which exposure is averaged in days (days).
Mult Factor	Multiplying Factor = CPF × (DBR × A × EF × ED × 10 <sup>-6</sup> / AT) × 10 <sup>6</sup> .

Note: Four years of meteorological data were available from the Porterville monitoring station at the time of this analysis (refer to the SJVAPCD website: [http://www.valleyair.org/busind/pto/Tox\\_Resources/2009\\_Modeling/Porterville.htm](http://www.valleyair.org/busind/pto/Tox_Resources/2009_Modeling/Porterville.htm)).

**Riverwalk Marketplace II**  
**Evaluation of Health Impacts from Delivery and Vendor Trucks**

**Table HRA-14**  
**Non-carcinogenic (Chronic) Hazards / Toxicological Endpoints\***

Model Run (Met Data)	Pollutant	CREL	C <sub>AIR,ANN</sub>	HI	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES	Threshold	Over?
Residential (2005)	DPM	5.00E+00	1.16E-01	2.32E-02	2.32E-02	-	-	-	-	-	-	-	1	NO
Residential (2006)	DPM	5.00E+00	1.02E-01	2.03E-02	2.03E-02	-	-	-	-	-	-	-	1	NO
Residential (2007)	DPM	5.00E+00	8.78E-02	1.76E-02	1.76E-02	-	-	-	-	-	-	-	1	NO
Residential (2008)	DPM	5.00E+00	8.52E-02	1.70E-02	1.70E-02	-	-	-	-	-	-	-	1	NO
Workplace (2005)	DPM	5.00E+00	3.91E-02	7.81E-03	7.81E-03	-	-	-	-	-	-	-	1	NO
Workplace (2006)	DPM	5.00E+00	3.73E-02	7.46E-03	7.46E-03	-	-	-	-	-	-	-	1	NO
Workplace (2007)	DPM	5.00E+00	3.44E-02	6.89E-03	6.89E-03	-	-	-	-	-	-	-	1	NO
Workplace (2008)	DPM	5.00E+00	3.85E-02	7.70E-03	7.70E-03	-	-	-	-	-	-	-	1	NO

Where:

CREL                      Chronic Reference Exposure Level  
HI                            Hazard Index

\* Key to Toxicological 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.  
EYES                        Eye irritation and/or other effects.

Note: Four years of meteorological data were available from the Porterville monitoring station at the time of this analysis (refer to the SJVAPCD website: [http://www.valleyair.org/busind/pto/Tox\\_Resources/2009\\_Modeling/Porterville.htm](http://www.valleyair.org/busind/pto/Tox_Resources/2009_Modeling/Porterville.htm)).

**APPENDIX B**

---

**Selected AERMOD Dispersion Modeling Results  
(Electronic model input files available upon request)**

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
316517.45000	3991963.08000	0.00311	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316486.39000	3991700.07000	0.00123	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316486.94000	3991724.03000	0.00125	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316487.49000	3991748.00000	0.00125	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.05000	3991771.96000	0.00123	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.60000	3991795.92000	0.00128	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.15000	3991819.88000	0.00143	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.70000	3991843.85000	0.00156	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.25000	3991867.81000	0.00168	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.80000	3991891.77000	0.00192	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.36000	3991915.73000	0.00228	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.91000	3991939.70000	0.00254	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316492.46000	3991963.66000	0.00284	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.40000	3991700.65000	0.00114	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.95000	3991724.61000	0.00118	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316462.50000	3991748.57000	0.00118	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.05000	3991772.53000	0.00117	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.60000	3991796.50000	0.00124	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.16000	3991820.46000	0.00137	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.71000	3991844.42000	0.00148	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.26000	3991868.38000	0.00159	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.81000	3991892.35000	0.00181	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.36000	3991916.31000	0.00213	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.91000	3991940.27000	0.00237	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316467.47000	3991964.24000	0.00260	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316717.50000	3991983.48000	0.00898	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.17000	3991983.38000	0.01062	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.84000	3991983.28000	0.01280	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.51000	3991983.18000	0.01607	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.18000	3991983.09000	0.02162	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.85000	3991982.99000	0.02363	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.52000	3991982.89000	0.02572	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.19000	3991982.79000	0.02874	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.86000	3991982.69000	0.02877	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.53000	3991982.59000	0.03063	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.20000	3991982.49000	0.02538	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.87000	3991982.40000	0.02106	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.54000	3991982.30000	0.01768	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.20000	3991982.20000	0.01244	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.07000	3992001.40000	0.00784	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.28000	3992008.38000	0.00955	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.95000	3992008.28000	0.01102	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.62000	3992008.18000	0.01296	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.29000	3992008.09000	0.01541	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.95000	3992007.99000	0.01801	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.62000	3992007.89000	0.01991	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.29000	3992007.79000	0.02144	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.96000	3992007.69000	0.02187	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.63000	3992007.59000	0.02197	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.30000	3992007.49000	0.01849	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.97000	3992007.40000	0.01572	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.64000	3992007.30000	0.01328	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.31000	3992007.20000	0.01132	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.17000	3992026.40000	0.00714	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316657.54000	3991994.89000	0.00621	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.38000	3992033.38000	0.00816	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316765.05000	3992033.28000	0.00915	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.72000	3992033.18000	0.01045	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.39000	3992033.09000	0.01206	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316836.06000	3992032.99000	0.01382	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.73000	3992032.89000	0.01497	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.40000	3992032.79000	0.01547	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316907.07000	3992032.69000	0.01565	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.74000	3992032.59000	0.01566	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.41000	3992032.49000	0.01333	135.00	135.00	0.00	ANNUAL	ALL	00000001	

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
316486.39000	3991700.07000	0.00106	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316486.94000	3991724.03000	0.00111	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316487.49000	3991748.00000	0.00113	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.05000	3991771.96000	0.00111	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.60000	3991795.92000	0.00112	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.15000	3991819.88000	0.00120	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.70000	3991843.85000	0.00127	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.25000	3991867.81000	0.00135	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.80000	3991891.77000	0.00157	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.36000	3991915.73000	0.00189	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.91000	3991939.70000	0.00210	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316492.46000	3991963.66000	0.00238	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.40000	3991700.65000	0.00099	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.95000	3991724.61000	0.00105	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316462.50000	3991748.57000	0.00106	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.05000	3991772.53000	0.00105	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.60000	3991796.50000	0.00107	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.16000	3991820.46000	0.00115	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.71000	3991844.42000	0.00120	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.26000	3991868.38000	0.00128	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.81000	3991892.35000	0.00148	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.36000	3991916.31000	0.00177	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.91000	3991940.27000	0.00197	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316467.47000	3991964.24000	0.00218	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316717.50000	3991983.48000	0.00790	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.17000	3991983.38000	0.00946	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.84000	3991983.28000	0.01155	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.51000	3991983.18000	0.01462	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.18000	3991983.09000	0.01970	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.85000	3991982.99000	0.02168	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.52000	3991982.89000	0.02385	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.19000	3991982.79000	0.02587	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.86000	3991982.69000	0.02532	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.53000	3991982.59000	0.02685	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.20000	3991982.49000	0.02232	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.87000	3991982.40000	0.01893	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.54000	3991982.30000	0.01598	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.20000	3991982.20000	0.01118	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.07000	3992001.40000	0.00707	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.28000	3992008.38000	0.00882	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.95000	3992008.28000	0.01028	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.62000	3992008.18000	0.01212	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.29000	3992008.09000	0.01440	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.95000	3992007.99000	0.01659	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.62000	3992007.89000	0.01785	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.29000	3992007.79000	0.01883	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.96000	3992007.69000	0.01926	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.63000	3992007.59000	0.01901	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.30000	3992007.49000	0.01610	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.97000	3992007.40000	0.01365	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.64000	3992007.30000	0.01186	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.31000	3992007.20000	0.01012	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.17000	3992026.40000	0.00659	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316657.54000	3991994.89000	0.00544	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.38000	3992033.38000	0.00772	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316765.05000	3992033.28000	0.00867	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.72000	3992033.18000	0.00988	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.39000	3992033.09000	0.01121	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316836.06000	3992032.99000	0.01239	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.73000	3992032.89000	0.01309	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.40000	3992032.79000	0.01340	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316907.07000	3992032.69000	0.01369	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.74000	3992032.59000	0.01335	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.41000	3992032.49000	0.01152	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316978.07000	3992032.40000	0.00978	135.00	135.00	0.00	ANNUAL	ALL	00000001	

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
316486.39000	3991700.07000	0.00100	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316486.94000	3991724.03000	0.00105	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316487.49000	3991748.00000	0.00108	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.05000	3991771.96000	0.00107	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.60000	3991795.92000	0.00109	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.15000	3991819.88000	0.00119	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.70000	3991843.85000	0.00127	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.25000	3991867.81000	0.00136	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.80000	3991891.77000	0.00159	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.36000	3991915.73000	0.00193	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.91000	3991939.70000	0.00210	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316492.46000	3991963.66000	0.00227	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.40000	3991700.65000	0.00094	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.95000	3991724.61000	0.00100	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316462.50000	3991748.57000	0.00101	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.05000	3991772.53000	0.00101	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.60000	3991796.50000	0.00105	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.16000	3991820.46000	0.00114	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.71000	3991844.42000	0.00120	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.26000	3991868.38000	0.00128	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.81000	3991892.35000	0.00151	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.36000	3991916.31000	0.00181	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.91000	3991940.27000	0.00197	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316467.47000	3991964.24000	0.00209	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316717.50000	3991983.48000	0.00722	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.17000	3991983.38000	0.00867	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.84000	3991983.28000	0.01059	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.51000	3991983.18000	0.01333	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.18000	3991983.09000	0.01777	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.85000	3991982.99000	0.01960	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.52000	3991982.89000	0.02127	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.19000	3991982.79000	0.02260	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.86000	3991982.69000	0.02193	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.53000	3991982.59000	0.02326	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.20000	3991982.49000	0.02069	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.87000	3991982.40000	0.01697	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.54000	3991982.30000	0.01394	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.20000	3991982.20000	0.00983	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.07000	3992001.40000	0.00640	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.28000	3992008.38000	0.00795	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.95000	3992008.28000	0.00923	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.62000	3992008.18000	0.01081	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.29000	3992008.09000	0.01271	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.95000	3992007.99000	0.01453	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.62000	3992007.89000	0.01548	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.29000	3992007.79000	0.01632	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.96000	3992007.69000	0.01631	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.63000	3992007.59000	0.01627	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.30000	3992007.49000	0.01468	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.97000	3992007.40000	0.01231	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.64000	3992007.30000	0.01036	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.31000	3992007.20000	0.00872	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.17000	3992026.40000	0.00592	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316657.54000	3991994.89000	0.00489	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.38000	3992033.38000	0.00689	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316765.05000	3992033.28000	0.00769	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.72000	3992033.18000	0.00872	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.39000	3992033.09000	0.00967	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316836.06000	3992032.99000	0.01060	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.73000	3992032.89000	0.01135	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.40000	3992032.79000	0.01152	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316907.07000	3992032.69000	0.01146	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.74000	3992032.59000	0.01139	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.41000	3992032.49000	0.01048	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316978.07000	3992032.40000	0.00896	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\* MODELING OPTIONS USED:

\* NonDEFAULT CONC FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 2284 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
316486.39000	3991700.07000	0.00089	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316486.94000	3991724.03000	0.00092	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316487.49000	3991748.00000	0.00094	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.05000	3991771.96000	0.00096	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.60000	3991795.92000	0.00105	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.15000	3991819.88000	0.00123	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.70000	3991843.85000	0.00139	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.25000	3991867.81000	0.00147	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.80000	3991891.77000	0.00163	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.36000	3991915.73000	0.00186	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.91000	3991939.70000	0.00200	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316492.46000	3991963.66000	0.00219	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.40000	3991700.65000	0.00083	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.95000	3991724.61000	0.00087	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316462.50000	3991748.57000	0.00089	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.05000	3991772.53000	0.00092	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.60000	3991796.50000	0.00103	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.16000	3991820.46000	0.00120	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.71000	3991844.42000	0.00131	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.26000	3991868.38000	0.00138	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.81000	3991892.35000	0.00153	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.36000	3991916.31000	0.00174	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.91000	3991940.27000	0.00187	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316467.47000	3991964.24000	0.00201	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316717.50000	3991983.48000	0.00647	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.17000	3991983.38000	0.00770	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.84000	3991983.28000	0.00945	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.51000	3991983.18000	0.01218	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.18000	3991983.09000	0.01674	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.85000	3991982.99000	0.01842	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.52000	3991982.89000	0.02057	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.19000	3991982.79000	0.02252	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.86000	3991982.69000	0.02206	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.53000	3991982.59000	0.02259	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.20000	3991982.49000	0.01915	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.87000	3991982.40000	0.01678	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.54000	3991982.30000	0.01419	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.20000	3991982.20000	0.01009	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.07000	3992001.40000	0.00559	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.28000	3992008.38000	0.00710	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.95000	3992008.28000	0.00844	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.62000	3992008.18000	0.01008	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.29000	3992008.09000	0.01205	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.95000	3992007.99000	0.01387	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.62000	3992007.89000	0.01510	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.29000	3992007.79000	0.01588	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.96000	3992007.69000	0.01632	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.63000	3992007.59000	0.01559	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.30000	3992007.49000	0.01337	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.97000	3992007.40000	0.01163	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.64000	3992007.30000	0.01025	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.31000	3992007.20000	0.00869	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.17000	3992026.40000	0.00523	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316657.54000	3991994.89000	0.00445	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.38000	3992033.38000	0.00635	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316765.05000	3992033.28000	0.00717	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.72000	3992033.18000	0.00820	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.39000	3992033.09000	0.00938	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316836.06000	3992032.99000	0.01039	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.73000	3992032.89000	0.01090	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.40000	3992032.79000	0.01129	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316907.07000	3992032.69000	0.01143	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.74000	3992032.59000	0.01083	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.41000	3992032.49000	0.00942	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316978.07000	3992032.40000	0.00817	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

17:02:39

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 336 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
317048.77000	3991957.10000	0.00937	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.18000	3991617.12000	0.00401	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.73000	3991932.82000	0.01074	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.69000	3991908.53000	0.01073	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.64000	3991884.25000	0.00942	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.60000	3991859.96000	0.00812	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.56000	3991835.68000	0.00699	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.52000	3991811.39000	0.00606	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.48000	3991787.11000	0.00539	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.43000	3991762.83000	0.00499	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.39000	3991738.54000	0.00476	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.35000	3991714.26000	0.00469	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.31000	3991689.97000	0.00483	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.26000	3991665.69000	0.00521	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.22000	3991641.40000	0.00451	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.73000	3991932.77000	0.00768	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.69000	3991908.49000	0.00733	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.64000	3991884.20000	0.00709	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.60000	3991859.92000	0.00662	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.56000	3991835.64000	0.00606	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.52000	3991811.35000	0.00549	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.47000	3991787.07000	0.00501	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.43000	3991762.78000	0.00469	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.39000	3991738.50000	0.00454	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.35000	3991714.21000	0.00455	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.31000	3991689.93000	0.00478	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.26000	3991665.65000	0.00520	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.22000	3991641.36000	0.00465	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.18000	3991617.08000	0.00358	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.73000	3991932.73000	0.00628	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.69000	3991908.44000	0.00581	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.64000	3991884.16000	0.00568	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.60000	3991859.88000	0.00550	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.56000	3991835.59000	0.00523	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.52000	3991811.31000	0.00491	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.47000	3991787.02000	0.00463	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.43000	3991762.74000	0.00441	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.39000	3991738.45000	0.00431	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.35000	3991714.17000	0.00437	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.31000	3991689.89000	0.00462	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.26000	3991665.60000	0.00512	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.22000	3991641.32000	0.00438	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.18000	3991617.03000	0.00396	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.73000	3991932.69000	0.00553	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.69000	3991908.40000	0.00497	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.64000	3991884.12000	0.00480	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.60000	3991859.83000	0.00471	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.56000	3991835.55000	0.00460	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.52000	3991811.26000	0.00443	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.47000	3991786.98000	0.00425	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.43000	3991762.70000	0.00414	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.39000	3991738.41000	0.00411	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.35000	3991714.13000	0.00419	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.31000	3991689.84000	0.00446	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.26000	3991665.56000	0.00499	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.22000	3991641.27000	0.00461	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.18000	3991616.99000	0.00347	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.73000	3991932.64000	0.00507	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.69000	3991908.36000	0.00444	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.64000	3991884.07000	0.00423	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.60000	3991859.79000	0.00415	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.56000	3991835.51000	0.00412	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.52000	3991811.22000	0.00403	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.47000	3991786.94000	0.00395	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.43000	3991762.65000	0.00389	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 336 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	* Y	* AVERAGE CONC	* ZELEV	* ZHILL	* ZFLAG	* AVE	* GRP	* NUM YRS	* NETID
317048.77000	3991957.10000	0.00827	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.18000	3991617.12000	0.00337	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.73000	3991932.82000	0.00996	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.69000	3991908.53000	0.01023	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.64000	3991884.25000	0.00911	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.60000	3991859.96000	0.00749	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.56000	3991835.68000	0.00626	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.52000	3991811.39000	0.00548	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.48000	3991787.11000	0.00480	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.43000	3991762.83000	0.00431	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.39000	3991738.54000	0.00400	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.35000	3991714.26000	0.00390	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.31000	3991689.97000	0.00404	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.26000	3991665.69000	0.00440	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.22000	3991641.40000	0.00383	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.73000	3991932.77000	0.00710	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.69000	3991908.49000	0.00692	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.64000	3991884.20000	0.00692	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.60000	3991859.92000	0.00633	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.56000	3991835.64000	0.00545	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.52000	3991811.35000	0.00492	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.47000	3991787.07000	0.00452	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.43000	3991762.78000	0.00418	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.39000	3991738.50000	0.00396	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.35000	3991714.21000	0.00388	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.31000	3991689.93000	0.00404	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.26000	3991665.65000	0.00441	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.22000	3991641.36000	0.00397	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.18000	3991617.08000	0.00298	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.73000	3991932.73000	0.00577	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.69000	3991908.44000	0.00541	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.64000	3991884.16000	0.00553	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.60000	3991859.88000	0.00534	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.56000	3991835.59000	0.00483	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.52000	3991811.31000	0.00438	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.47000	3991787.02000	0.00416	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.43000	3991762.74000	0.00397	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.39000	3991738.45000	0.00384	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.35000	3991714.17000	0.00384	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.31000	3991689.89000	0.00401	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.26000	3991665.60000	0.00440	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.22000	3991641.32000	0.00375	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.18000	3991617.03000	0.00332	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.73000	3991932.69000	0.00504	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.69000	3991908.40000	0.00456	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.64000	3991884.12000	0.00466	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.60000	3991859.83000	0.00459	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.56000	3991835.55000	0.00434	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.52000	3991811.26000	0.00397	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.47000	3991786.98000	0.00379	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.43000	3991762.70000	0.00373	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.39000	3991738.41000	0.00369	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.35000	3991714.13000	0.00373	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.31000	3991689.84000	0.00395	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.26000	3991665.56000	0.00437	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.22000	3991641.27000	0.00403	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.18000	3991616.99000	0.00292	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.73000	3991932.64000	0.00458	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.69000	3991908.36000	0.00404	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.64000	3991884.07000	0.00406	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.60000	3991859.79000	0.00404	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.56000	3991835.51000	0.00393	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.52000	3991811.22000	0.00367	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.47000	3991786.94000	0.00350	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.43000	3991762.65000	0.00347	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

17:57:55

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 336 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
317048.77000	3991957.10000	0.00754	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.18000	3991617.12000	0.00316	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.73000	3991932.82000	0.00925	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.69000	3991908.53000	0.00942	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.64000	3991884.25000	0.00790	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.60000	3991859.96000	0.00663	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.56000	3991835.68000	0.00581	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.52000	3991811.39000	0.00506	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.48000	3991787.11000	0.00437	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.43000	3991762.83000	0.00392	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.39000	3991738.54000	0.00367	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.35000	3991714.26000	0.00359	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.31000	3991689.97000	0.00368	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.26000	3991665.69000	0.00398	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.22000	3991641.40000	0.00350	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.73000	3991932.77000	0.00666	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.69000	3991908.49000	0.00633	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.64000	3991884.20000	0.00594	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.60000	3991859.92000	0.00537	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.56000	3991835.64000	0.00492	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.52000	3991811.35000	0.00454	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.47000	3991787.07000	0.00413	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.43000	3991762.78000	0.00376	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.39000	3991738.50000	0.00356	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.35000	3991714.21000	0.00351	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.31000	3991689.93000	0.00367	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.26000	3991665.65000	0.00400	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.22000	3991641.36000	0.00362	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.18000	3991617.08000	0.00280	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.73000	3991932.73000	0.00544	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.69000	3991908.44000	0.00497	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.64000	3991884.16000	0.00473	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.60000	3991859.88000	0.00444	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.56000	3991835.59000	0.00419	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.52000	3991811.31000	0.00397	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.47000	3991787.02000	0.00380	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.43000	3991762.74000	0.00359	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.39000	3991738.45000	0.00344	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.35000	3991714.17000	0.00342	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.31000	3991689.89000	0.00358	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.26000	3991665.60000	0.00395	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.22000	3991641.32000	0.00343	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.18000	3991617.03000	0.00312	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.73000	3991932.69000	0.00476	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.69000	3991908.40000	0.00421	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.64000	3991884.12000	0.00400	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.60000	3991859.83000	0.00378	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.56000	3991835.55000	0.00365	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.52000	3991811.26000	0.00352	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.47000	3991786.98000	0.00343	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.43000	3991762.70000	0.00337	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.39000	3991738.41000	0.00331	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.35000	3991714.13000	0.00332	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.31000	3991689.84000	0.00349	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.26000	3991665.56000	0.00388	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.22000	3991641.27000	0.00362	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.18000	3991616.99000	0.00273	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.73000	3991932.64000	0.00434	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.69000	3991908.36000	0.00373	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.64000	3991884.07000	0.00352	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.60000	3991859.79000	0.00333	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.56000	3991835.51000	0.00323	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.52000	3991811.22000	0.00317	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.47000	3991786.94000	0.00313	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.43000	3991762.65000	0.00313	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

18:26:17

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 336 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
317048.77000	3991957.10000	0.00847	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.18000	3991617.12000	0.00307	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.73000	3991932.82000	0.01031	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.69000	3991908.53000	0.01050	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.64000	3991884.25000	0.00880	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.60000	3991859.96000	0.00716	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.56000	3991835.68000	0.00583	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.52000	3991811.39000	0.00491	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.48000	3991787.11000	0.00430	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.43000	3991762.83000	0.00385	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.39000	3991738.54000	0.00355	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.35000	3991714.26000	0.00343	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.31000	3991689.97000	0.00352	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.26000	3991665.69000	0.00383	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.22000	3991641.40000	0.00339	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.73000	3991932.77000	0.00743	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.69000	3991908.49000	0.00711	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.64000	3991884.20000	0.00672	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.60000	3991859.92000	0.00596	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.56000	3991835.64000	0.00515	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.52000	3991811.35000	0.00447	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.47000	3991787.07000	0.00400	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.43000	3991762.78000	0.00370	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.39000	3991738.50000	0.00350	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.35000	3991714.21000	0.00342	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.31000	3991689.93000	0.00353	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.26000	3991665.65000	0.00384	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.22000	3991641.36000	0.00353	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.18000	3991617.08000	0.00277	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.73000	3991932.73000	0.00604	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.69000	3991908.44000	0.00555	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.64000	3991884.16000	0.00539	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.60000	3991859.88000	0.00500	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.56000	3991835.59000	0.00453	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.52000	3991811.31000	0.00407	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.47000	3991787.02000	0.00371	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.43000	3991762.74000	0.00348	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.39000	3991738.45000	0.00337	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.35000	3991714.17000	0.00336	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.31000	3991689.89000	0.00350	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.26000	3991665.60000	0.00384	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.22000	3991641.32000	0.00334	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.18000	3991617.03000	0.00305	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.73000	3991932.69000	0.00525	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.69000	3991908.40000	0.00466	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.64000	3991884.12000	0.00453	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.60000	3991859.83000	0.00430	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.56000	3991835.55000	0.00402	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.52000	3991811.26000	0.00371	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.47000	3991786.98000	0.00344	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.43000	3991762.70000	0.00328	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.39000	3991738.41000	0.00321	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.35000	3991714.13000	0.00325	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.31000	3991689.84000	0.00344	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.26000	3991665.56000	0.00381	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.22000	3991641.27000	0.00357	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.18000	3991616.99000	0.00274	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.73000	3991932.64000	0.00474	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.69000	3991908.36000	0.00410	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.64000	3991884.07000	0.00394	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.60000	3991859.79000	0.00379	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.56000	3991835.51000	0.00362	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.52000	3991811.22000	0.00340	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.47000	3991786.94000	0.00322	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.43000	3991762.65000	0.00309	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 2284 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
316488.05000	3991771.96000	0.00413	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.60000	3991795.92000	0.00437	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.15000	3991819.88000	0.00498	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.70000	3991843.85000	0.00554	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.25000	3991867.81000	0.00603	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.80000	3991891.77000	0.00700	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.36000	3991915.73000	0.00836	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.91000	3991939.70000	0.00937	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316492.46000	3991963.66000	0.01056	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.40000	3991700.65000	0.00372	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.95000	3991724.61000	0.00386	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316462.50000	3991748.57000	0.00390	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.05000	3991772.53000	0.00393	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.60000	3991796.50000	0.00425	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.16000	3991820.46000	0.00481	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.71000	3991844.42000	0.00525	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.26000	3991868.38000	0.00568	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.81000	3991892.35000	0.00658	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.36000	3991916.31000	0.00781	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.91000	3991940.27000	0.00872	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316467.47000	3991964.24000	0.00965	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316717.50000	3991983.48000	0.03374	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.17000	3991983.38000	0.03984	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.84000	3991983.28000	0.04788	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.51000	3991983.18000	0.05974	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.18000	3991983.09000	0.07971	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.85000	3991982.99000	0.08732	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.52000	3991982.89000	0.09564	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.19000	3991982.79000	0.10805	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.86000	3991982.69000	0.10943	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.53000	3991982.59000	0.11610	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.20000	3991982.49000	0.09414	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.87000	3991982.40000	0.07670	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.54000	3991982.30000	0.06389	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.20000	3991982.20000	0.04497	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.07000	3992001.40000	0.02945	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.28000	3992008.38000	0.03567	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.95000	3992008.28000	0.04107	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.62000	3992008.18000	0.04813	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.29000	3992008.09000	0.05708	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.95000	3992007.99000	0.06683	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.62000	3992007.89000	0.07440	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.29000	3992007.79000	0.08062	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.96000	3992007.69000	0.08237	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.63000	3992007.59000	0.08281	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.30000	3992007.49000	0.06856	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.97000	3992007.40000	0.05753	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.64000	3992007.30000	0.04807	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.31000	3992007.20000	0.04082	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.17000	3992026.40000	0.02667	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316657.54000	3991994.89000	0.02335	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.38000	3992033.38000	0.03047	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316765.05000	3992033.28000	0.03408	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.72000	3992033.18000	0.03892	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.39000	3992033.09000	0.04496	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316836.06000	3992032.99000	0.05167	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.73000	3992032.89000	0.05626	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.40000	3992032.79000	0.05823	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316907.07000	3992032.69000	0.05898	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.74000	3992032.59000	0.05908	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.41000	3992032.49000	0.04958	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316978.07000	3992032.40000	0.04231	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.74000	3992032.30000	0.03557	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.41000	3992032.20000	0.03008	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.28000	3992051.40000	0.02338	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

01:16:05

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 2284 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
316486.39000	3991700.07000	0.00343	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316486.94000	3991724.03000	0.00361	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316487.49000	3991748.00000	0.00371	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.05000	3991771.96000	0.00370	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.60000	3991795.92000	0.00379	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.15000	3991819.88000	0.00412	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.70000	3991843.85000	0.00443	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.25000	3991867.81000	0.00478	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.80000	3991891.77000	0.00565	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.36000	3991915.73000	0.00688	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.91000	3991939.70000	0.00771	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316492.46000	3991963.66000	0.00884	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.40000	3991700.65000	0.00321	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.95000	3991724.61000	0.00343	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316462.50000	3991748.57000	0.00350	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.05000	3991772.53000	0.00349	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.60000	3991796.50000	0.00364	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.16000	3991820.46000	0.00395	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.71000	3991844.42000	0.00419	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.26000	3991868.38000	0.00452	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.81000	3991892.35000	0.00534	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.36000	3991916.31000	0.00645	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.91000	3991940.27000	0.00720	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316467.47000	3991964.24000	0.00808	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316717.50000	3991983.48000	0.02971	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.17000	3991983.38000	0.03551	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.84000	3991983.28000	0.04320	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.51000	3991983.18000	0.05442	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.18000	3991983.09000	0.07275	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.85000	3991982.99000	0.08038	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.52000	3991982.89000	0.08899	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.19000	3991982.79000	0.09723	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.86000	3991982.69000	0.09614	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.53000	3991982.59000	0.10161	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.20000	3991982.49000	0.08269	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.87000	3991982.40000	0.06912	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.54000	3991982.30000	0.05795	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.20000	3991982.20000	0.04054	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.07000	3992001.40000	0.02655	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.28000	3992008.38000	0.03298	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.95000	3992008.28000	0.03838	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.62000	3992008.18000	0.04512	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.29000	3992008.09000	0.05352	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.95000	3992007.99000	0.06173	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.62000	3992007.89000	0.06674	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.29000	3992007.79000	0.07067	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.96000	3992007.69000	0.07243	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.63000	3992007.59000	0.07148	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.30000	3992007.49000	0.05965	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.97000	3992007.40000	0.04991	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.64000	3992007.30000	0.04309	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.31000	3992007.20000	0.03662	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.17000	3992026.40000	0.02467	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316657.54000	3991994.89000	0.02046	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.38000	3992033.38000	0.02887	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316765.05000	3992033.28000	0.03238	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.72000	3992033.18000	0.03691	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.39000	3992033.09000	0.04188	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316836.06000	3992032.99000	0.04635	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.73000	3992032.89000	0.04911	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.40000	3992032.79000	0.05033	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316907.07000	3992032.69000	0.05154	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.74000	3992032.59000	0.05021	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.41000	3992032.49000	0.04282	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316978.07000	3992032.40000	0.03590	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

02:39:13

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 2284 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
316486.39000	3991700.07000	0.00327	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316486.94000	3991724.03000	0.00347	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316487.49000	3991748.00000	0.00360	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.05000	3991771.96000	0.00361	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.60000	3991795.92000	0.00374	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.15000	3991819.88000	0.00414	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.70000	3991843.85000	0.00449	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.25000	3991867.81000	0.00485	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.80000	3991891.77000	0.00581	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.36000	3991915.73000	0.00711	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.91000	3991939.70000	0.00774	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316492.46000	3991963.66000	0.00842	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.40000	3991700.65000	0.00307	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.95000	3991724.61000	0.00330	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316462.50000	3991748.57000	0.00339	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.05000	3991772.53000	0.00341	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.60000	3991796.50000	0.00360	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.16000	3991820.46000	0.00397	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.71000	3991844.42000	0.00424	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.26000	3991868.38000	0.00459	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.81000	3991892.35000	0.00549	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.36000	3991916.31000	0.00666	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.91000	3991940.27000	0.00724	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316467.47000	3991964.24000	0.00772	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316717.50000	3991983.48000	0.02717	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.17000	3991983.38000	0.03259	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.84000	3991983.28000	0.03967	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.51000	3991983.18000	0.04967	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.18000	3991983.09000	0.06569	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.85000	3991982.99000	0.07271	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.52000	3991982.89000	0.07932	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.19000	3991982.79000	0.08478	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.86000	3991982.69000	0.08304	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.53000	3991982.59000	0.08777	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.20000	3991982.49000	0.07702	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.87000	3991982.40000	0.06200	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.54000	3991982.30000	0.05040	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.20000	3991982.20000	0.03547	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.07000	3992001.40000	0.02408	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.28000	3992008.38000	0.02978	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.95000	3992008.28000	0.03449	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.62000	3992008.18000	0.04029	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.29000	3992008.09000	0.04731	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.95000	3992007.99000	0.05406	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.62000	3992007.89000	0.05776	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.29000	3992007.79000	0.06118	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.96000	3992007.69000	0.06115	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.63000	3992007.59000	0.06109	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.30000	3992007.49000	0.05470	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.97000	3992007.40000	0.04521	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.64000	3992007.30000	0.03763	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.31000	3992007.20000	0.03146	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.17000	3992026.40000	0.02219	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316657.54000	3991994.89000	0.01840	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.38000	3992033.38000	0.02578	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316765.05000	3992033.28000	0.02875	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.72000	3992033.18000	0.03262	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.39000	3992033.09000	0.03613	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316836.06000	3992032.99000	0.03957	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.73000	3992032.89000	0.04254	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.40000	3992032.79000	0.04321	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316907.07000	3992032.69000	0.04298	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.74000	3992032.59000	0.04282	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.41000	3992032.49000	0.03917	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316978.07000	3992032.40000	0.03311	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 2284 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
316517.45000	3991963.08000	0.00893	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316486.39000	3991700.07000	0.00291	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316486.94000	3991724.03000	0.00301	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316487.49000	3991748.00000	0.00311	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.05000	3991771.96000	0.00325	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316488.60000	3991795.92000	0.00366	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.15000	3991819.88000	0.00438	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316489.70000	3991843.85000	0.00498	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.25000	3991867.81000	0.00533	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316490.80000	3991891.77000	0.00597	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.36000	3991915.73000	0.00687	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316491.91000	3991939.70000	0.00741	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316492.46000	3991963.66000	0.00813	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.40000	3991700.65000	0.00271	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316461.95000	3991724.61000	0.00285	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316462.50000	3991748.57000	0.00295	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.05000	3991772.53000	0.00313	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316463.60000	3991796.50000	0.00360	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.16000	3991820.46000	0.00426	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316464.71000	3991844.42000	0.00472	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.26000	3991868.38000	0.00500	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316465.81000	3991892.35000	0.00558	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.36000	3991916.31000	0.00640	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316466.91000	3991940.27000	0.00690	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316467.47000	3991964.24000	0.00745	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316717.50000	3991983.48000	0.02427	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.17000	3991983.38000	0.02886	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.84000	3991983.28000	0.03530	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.51000	3991983.18000	0.04529	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.18000	3991983.09000	0.06184	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.85000	3991982.99000	0.06838	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.52000	3991982.89000	0.07681	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.19000	3991982.79000	0.08471	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.86000	3991982.69000	0.08377	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.53000	3991982.59000	0.08516	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.20000	3991982.49000	0.07075	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.87000	3991982.40000	0.06130	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.54000	3991982.30000	0.05143	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.20000	3991982.20000	0.03661	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.07000	3992001.40000	0.02095	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.28000	3992008.38000	0.02658	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316764.95000	3992008.28000	0.03157	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.62000	3992008.18000	0.03759	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.29000	3992008.09000	0.04485	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316835.95000	3992007.99000	0.05174	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.62000	3992007.89000	0.05655	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.29000	3992007.79000	0.05966	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316906.96000	3992007.69000	0.06144	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.63000	3992007.59000	0.05846	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.30000	3992007.49000	0.04944	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316977.97000	3992007.40000	0.04257	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317001.64000	3992007.30000	0.03733	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317025.31000	3992007.20000	0.03148	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316700.17000	3992026.40000	0.01959	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316657.54000	3991994.89000	0.01670	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316741.38000	3992033.38000	0.02379	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316765.05000	3992033.28000	0.02683	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316788.72000	3992033.18000	0.03068	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316812.39000	3992033.09000	0.03508	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316836.06000	3992032.99000	0.03895	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316859.73000	3992032.89000	0.04094	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316883.40000	3992032.79000	0.04251	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316907.07000	3992032.69000	0.04306	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316930.74000	3992032.59000	0.04063	135.00	135.00	0.00	ANNUAL	ALL	00000001	
316954.41000	3992032.49000	0.03494	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

05:25:36

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 336 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
317048.77000	3991957.10000	0.03405	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.18000	3991617.12000	0.01327	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.73000	3991932.82000	0.03883	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.69000	3991908.53000	0.03905	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.64000	3991884.25000	0.03469	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.60000	3991859.96000	0.03012	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.56000	3991835.68000	0.02594	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.52000	3991811.39000	0.02236	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.48000	3991787.11000	0.01969	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.43000	3991762.83000	0.01799	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.39000	3991738.54000	0.01690	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.35000	3991714.26000	0.01634	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.31000	3991689.97000	0.01642	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.26000	3991665.69000	0.01727	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.22000	3991641.40000	0.01493	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.73000	3991932.77000	0.02772	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.69000	3991908.49000	0.02664	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.64000	3991884.20000	0.02596	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.60000	3991859.92000	0.02435	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.56000	3991835.64000	0.02227	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.52000	3991811.35000	0.02007	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.47000	3991787.07000	0.01815	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.43000	3991762.78000	0.01676	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.39000	3991738.50000	0.01599	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.35000	3991714.21000	0.01576	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.31000	3991689.93000	0.01622	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.26000	3991665.65000	0.01725	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.22000	3991641.36000	0.01538	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.18000	3991617.08000	0.01200	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.73000	3991932.73000	0.02258	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.69000	3991908.44000	0.02102	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.64000	3991884.16000	0.02064	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.60000	3991859.88000	0.02008	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.56000	3991835.59000	0.01907	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.52000	3991811.31000	0.01784	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.47000	3991787.02000	0.01664	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.43000	3991762.74000	0.01566	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.39000	3991738.45000	0.01508	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.35000	3991714.17000	0.01503	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.31000	3991689.89000	0.01560	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.26000	3991665.60000	0.01693	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.22000	3991641.32000	0.01457	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.18000	3991617.03000	0.01315	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.73000	3991932.69000	0.01979	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.69000	3991908.40000	0.01789	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.64000	3991884.12000	0.01735	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.60000	3991859.83000	0.01705	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.56000	3991835.55000	0.01664	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.52000	3991811.26000	0.01596	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.47000	3991786.98000	0.01520	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.43000	3991762.70000	0.01464	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.39000	3991738.41000	0.01429	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.35000	3991714.13000	0.01432	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.31000	3991689.84000	0.01498	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.26000	3991665.56000	0.01639	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.22000	3991641.27000	0.01514	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.18000	3991616.99000	0.01164	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.73000	3991932.64000	0.01807	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.69000	3991908.36000	0.01591	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.64000	3991884.07000	0.01520	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.60000	3991859.79000	0.01492	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.56000	3991835.51000	0.01479	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.52000	3991811.22000	0.01442	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.47000	3991786.94000	0.01403	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.43000	3991762.65000	0.01367	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

05:36:48

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 336 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
317048.77000	3991957.10000	0.03000	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.18000	3991617.12000	0.01103	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.73000	3991932.82000	0.03611	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.69000	3991908.53000	0.03729	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.64000	3991884.25000	0.03379	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.60000	3991859.96000	0.02795	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.56000	3991835.68000	0.02334	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.52000	3991811.39000	0.02032	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.48000	3991787.11000	0.01760	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.43000	3991762.83000	0.01554	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.39000	3991738.54000	0.01411	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.35000	3991714.26000	0.01346	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.31000	3991689.97000	0.01358	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.26000	3991665.69000	0.01445	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.22000	3991641.40000	0.01254	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.73000	3991932.77000	0.02571	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.69000	3991908.49000	0.02518	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.64000	3991884.20000	0.02549	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.60000	3991859.92000	0.02345	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.56000	3991835.64000	0.02010	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.52000	3991811.35000	0.01808	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.47000	3991787.07000	0.01645	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.43000	3991762.78000	0.01500	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.39000	3991738.50000	0.01397	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.35000	3991714.21000	0.01340	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.31000	3991689.93000	0.01360	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.26000	3991665.65000	0.01450	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.22000	3991641.36000	0.01298	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.18000	3991617.08000	0.00987	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.73000	3991932.73000	0.02082	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.69000	3991908.44000	0.01960	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.64000	3991884.16000	0.02024	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.60000	3991859.88000	0.01965	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.56000	3991835.59000	0.01769	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.52000	3991811.31000	0.01594	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.47000	3991787.02000	0.01504	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.43000	3991762.74000	0.01417	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.39000	3991738.45000	0.01350	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.35000	3991714.17000	0.01323	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.31000	3991689.89000	0.01348	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.26000	3991665.60000	0.01446	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.22000	3991641.32000	0.01233	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.18000	3991617.03000	0.01092	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.73000	3991932.69000	0.01811	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.69000	3991908.40000	0.01643	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.64000	3991884.12000	0.01691	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.60000	3991859.83000	0.01675	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.56000	3991835.55000	0.01581	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.52000	3991811.26000	0.01435	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.47000	3991786.98000	0.01358	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.43000	3991762.70000	0.01324	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.39000	3991738.41000	0.01289	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.35000	3991714.13000	0.01281	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.31000	3991689.84000	0.01327	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.26000	3991665.56000	0.01434	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.22000	3991641.27000	0.01316	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.18000	3991616.99000	0.00973	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.73000	3991932.64000	0.01637	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.69000	3991908.36000	0.01447	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.64000	3991884.07000	0.01465	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.60000	3991859.79000	0.01463	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.56000	3991835.51000	0.01426	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.52000	3991811.22000	0.01319	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.47000	3991786.94000	0.01243	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.43000	3991762.65000	0.01223	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

\* MODELING OPTIONS USED:

05:48:54

\* NonDEFAULT CONC

FLAT

NODRYDPLT NOWETDPLT

\* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

\* FOR A TOTAL OF 336 RECEPTORS.

\* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NETID
317048.77000	3991957.10000	0.02732	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.18000	3991617.12000	0.01038	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.73000	3991932.82000	0.03360	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.69000	3991908.53000	0.03443	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.64000	3991884.25000	0.02920	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.60000	3991859.96000	0.02471	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.56000	3991835.68000	0.02174	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.52000	3991811.39000	0.01883	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.48000	3991787.11000	0.01605	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.43000	3991762.83000	0.01418	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.39000	3991738.54000	0.01306	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.35000	3991714.26000	0.01249	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.31000	3991689.97000	0.01250	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.26000	3991665.69000	0.01316	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.22000	3991641.40000	0.01152	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.73000	3991932.77000	0.02421	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.69000	3991908.49000	0.02315	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.64000	3991884.20000	0.02186	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.60000	3991859.92000	0.01981	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.56000	3991835.64000	0.01815	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.52000	3991811.35000	0.01672	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.47000	3991787.07000	0.01509	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.43000	3991762.78000	0.01355	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.39000	3991738.50000	0.01257	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.35000	3991714.21000	0.01217	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.31000	3991689.93000	0.01243	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.26000	3991665.65000	0.01323	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.22000	3991641.36000	0.01191	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.18000	3991617.08000	0.00931	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.73000	3991932.73000	0.01969	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.69000	3991908.44000	0.01812	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.64000	3991884.16000	0.01732	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.60000	3991859.88000	0.01624	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.56000	3991835.59000	0.01532	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.52000	3991811.31000	0.01450	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.47000	3991787.02000	0.01377	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.43000	3991762.74000	0.01287	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.39000	3991738.45000	0.01210	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.35000	3991714.17000	0.01178	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.31000	3991689.89000	0.01207	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.26000	3991665.60000	0.01304	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.22000	3991641.32000	0.01134	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.18000	3991617.03000	0.01031	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.73000	3991932.69000	0.01716	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.69000	3991908.40000	0.01527	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.64000	3991884.12000	0.01456	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.60000	3991859.83000	0.01373	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.56000	3991835.55000	0.01322	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.52000	3991811.26000	0.01272	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.47000	3991786.98000	0.01233	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.43000	3991762.70000	0.01202	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.39000	3991738.41000	0.01162	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.35000	3991714.13000	0.01141	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.31000	3991689.84000	0.01175	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.26000	3991665.56000	0.01276	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.22000	3991641.27000	0.01187	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.18000	3991616.99000	0.00910	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.73000	3991932.64000	0.01556	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.69000	3991908.36000	0.01346	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.64000	3991884.07000	0.01274	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.60000	3991859.79000	0.01203	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.56000	3991835.51000	0.01164	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.52000	3991811.22000	0.01135	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.47000	3991786.94000	0.01114	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.43000	3991762.65000	0.01106	135.00	135.00	0.00	ANNUAL	ALL	00000001	

\*\* CONCUNIT ug/m^3

* X	* Y	* AVERAGE CONC	* ZELEV	* ZHILL	* ZFLAG	* AVE	* GRP	* NUM YRS	* NETID
317048.77000	3991957.10000	0.03080	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.18000	3991617.12000	0.01004	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.73000	3991932.82000	0.03755	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.69000	3991908.53000	0.03848	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.64000	3991884.25000	0.03276	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.60000	3991859.96000	0.02688	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.56000	3991835.68000	0.02185	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.52000	3991811.39000	0.01830	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.48000	3991787.11000	0.01585	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.43000	3991762.83000	0.01398	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.39000	3991738.54000	0.01263	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.35000	3991714.26000	0.01193	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.31000	3991689.97000	0.01192	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.26000	3991665.69000	0.01261	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317048.22000	3991641.40000	0.01114	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.73000	3991932.77000	0.02706	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.69000	3991908.49000	0.02611	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.64000	3991884.20000	0.02488	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.60000	3991859.92000	0.02220	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.56000	3991835.64000	0.01917	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.52000	3991811.35000	0.01649	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.47000	3991787.07000	0.01463	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.43000	3991762.78000	0.01335	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.39000	3991738.50000	0.01243	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.35000	3991714.21000	0.01187	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.31000	3991689.93000	0.01196	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.26000	3991665.65000	0.01269	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.22000	3991641.36000	0.01159	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317073.18000	3991617.08000	0.00918	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.73000	3991932.73000	0.02193	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.69000	3991908.44000	0.02030	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.64000	3991884.16000	0.01985	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.60000	3991859.88000	0.01850	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.56000	3991835.59000	0.01673	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.52000	3991811.31000	0.01491	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.47000	3991787.02000	0.01344	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.43000	3991762.74000	0.01247	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.39000	3991738.45000	0.01190	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.35000	3991714.17000	0.01166	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.31000	3991689.89000	0.01185	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.26000	3991665.60000	0.01267	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.22000	3991641.32000	0.01104	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317098.18000	3991617.03000	0.01003	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.73000	3991932.69000	0.01898	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.69000	3991908.40000	0.01698	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.64000	3991884.12000	0.01658	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.60000	3991859.83000	0.01581	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.56000	3991835.55000	0.01474	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.52000	3991811.26000	0.01352	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.47000	3991786.98000	0.01242	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.43000	3991762.70000	0.01167	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.39000	3991738.41000	0.01125	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.35000	3991714.13000	0.01121	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.31000	3991689.84000	0.01162	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.26000	3991665.56000	0.01256	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.22000	3991641.27000	0.01172	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317123.18000	3991616.99000	0.00910	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.73000	3991932.64000	0.01707	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.69000	3991908.36000	0.01485	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.64000	3991884.07000	0.01435	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.60000	3991859.79000	0.01384	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.56000	3991835.51000	0.01321	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.52000	3991811.22000	0.01232	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.47000	3991786.94000	0.01156	135.00	135.00	0.00	ANNUAL	ALL	00000001	
317148.43000	3991762.65000	0.01096	135.00	135.00	0.00	ANNUAL	ALL	00000001	