KLEINFELDER Memorandum

An employee owned company

DATE: August 31, 2007

TO: Christopher A. Joseph & Associates

FROM: Eric Carlson, EIT (Temecula), Project Environmental Engineer, Kleinfelder West, Inc.

REVIEWED BY: Jeff Davis (Irvine), Senior Project Manager, Kleinfelder West, Inc.

RE: Health Risk Assessment for Diesel Exhaust from vehicular sources (primarily delivery trucks) associated with the Proposed The Commons at Quartz Hill;

Northwest Corner of 60th Street West and West Avenue L
Lancaster, California

PROJECT: 75013/6

EXECUTIVE SUMMARY

Kleinfelder West, Inc. (Kleinfelder) conducted a health risk assessment (HRA) to evaluate the impacts of annual average diesel exhaust emissions from vehicular sources (specifically heavy-duty, diesel delivery trucks) associated with the proposed The Commons at Quartz Hill project development (CQH), to be located at the northwest corner of 60th Street West and West Avenue L in Lancaster, California.

The proposed project is an approximately 353,129 square foot commercial development to be located on approximately 40 acres of primarily undeveloped land. Using delivery truck traffic estimates provided by the project proponent, Kleinfelder evaluated the health risk associated with diesel emission from heavy-duty delivery trucks. An air quality dispersion model was used to estimate potential diesel concentrations at residential, workplace and sensitive receptors surrounding the proposed site. The estimated maximum cancer and non-cancer health impacts at each of the corresponding receptor types are summarized as follows:

Maximum Exposed Individual RESIDENT (MEIR)

UTM Coordinates: (386366.09, 3836129.00)

Approximately 27 meters west of western property boundary, and approximately 53 meters east of the north Walmart loading dock area. Zoned for residential, but not yet developed.

Inhalation Cancer Risk:	3 in one million
Chronic Non-cancer Hazard Index (HI):	<0.01

Maximum Exposed Individual RESIDENT (MEIR)--DEVELOPED

UTM Coordinates: (386809.19, 3836075.00)

Approximately 40 meters east of the eastern property boundary, across 60th Street West. Existing residential area.

Inhalation Cancer Risk:	3 in one million
Chronic Non-cancer Hazard Index (HI):	<0.01

Maximum Exposed Individual WORKER (MEIW)

(Faculty or Workers at Quartz Hill High School)

UTM Coordinates: (386695.00, 3835733.00)

Approximately 141 meters south of the southern boundary of The Commons at Quartz Hill, across West Avenue L.

Inhalation Cancer Risk:	0.9 in one million **
Chronic Non-cancer Hazard Index (HI):	<0.01 **

Maximum Exposed SENSITIVE RECEPTOR

(Students at Quartz Hill High School)

UTM Coordinates: (386695.00, 3835733.00)

Approximately 141 meters south of the southern boundary of The Commons at Quartz Hill, across West Avenue L.

Inhalation Cancer Risk:	0.9 in one million **
Chronic Non-cancer Hazard Index (HI):	<0.01 **

** The indicated cancer risks and HI values are calculated using unadjusted annual average concentrations (as delivery hours could take place at any time of day). Furthermore, for simplification, the reported cancer risks are based on 70-year exposures (same as for MEIR).

The potential inhalation cancer risks are lower than the "range of relative excess cancer risk for residents along freeways or busy roadways of approximately 300-1,700 in one million" cited in a California Air Resources Board (CARB) study (CARB, 2005). The same study "estimated regional cancer risk from air toxics in the Los Angeles region (South Coast Air Basin) is approximately 1,000 in a million (CARB, 2005)." The potential chronic HI is well below the significance level of one (1).

INTRODUCTION

Kleinfelder, Inc. was retained by Christopher A. Joseph and Associates (CAJA) to perform an HRA for the proposed project, the The Commons at Quartz Hill Site, to be located at the northwest corner of 60th Street West and West Avenue L in Lancaster, California (see Figure 1 of Attachment A). This HRA was limited to impacts of annual average diesel exhaust emissions from vehicular sources operating onsite (specifically, heavy-duty, diesel delivery trucks) and associated with the proposed project.

The proposed project consists of a 353,129 square foot commercial development located on approximately 40.15 acres of primarily undeveloped land. As part of the proposed project, a General Plan Amendment (GPA 06-04) and a Zone Change (ZC 06-04) would be required in order to change the general plan designation from Urban Residential to Commercial (C) and the zoning from Urban Residential to Commercial and its zoning from residential (R-10,000) to commercial planned development (CPD). A Conditional Use Permit (CUP 06-09) would also be required for the proposed project. The commercial development would include two anchors and up to ten smaller buildings that would house a variety of food, merchandise and service uses. One proposed anchor is a Wal-Mart Supercenter, approximately 240,000 square feet with an associated garden center. The other anchor is anticipated to be approximately 90,000 square feet. A total of 1,837 parking spaces are anticipated to be provided and access to the project site would occur from 60th Street West and Avenue L. The project proponent anticipates that a portion of the goods delivered to the two anchors, one of which is a Wal-Mart Supercenter, will occur via diesel-fueled, heavy duty trucks (HHDTs). The onsite operations and emissions from these vehicles are the subject of this HRA.

The following sections of this technical memorandum are common to most HRAs and seek to provide the reader with a thorough understanding of the methodology used to characterize risk at the proposed project site: Hazard Identification, Exposure Assessment, Dose-Response, Risk Characterization, Assumptions and Limitations.

HAZARD IDENTIFICATION

The hazard identification involves identifying if a hazard exists, and if so, what are the pollutants of concern and their associated potential adverse health effects. In this HRA, the primary hazard are emissions from vehicular sources (specifically heavy-duty, diesel delivery trucks) associated with the proposed project. The State of California has identified diesel exhaust as a toxic air contaminant. The potential adverse health effects from exposure to diesel exhaust include inhalation cancer and chronic non-cancer effects.

It is important to note that the potential cancer risk from inhalation exposure to diesel exhaust usually outweighs the multipathway cancer risk from the speciated compounds. Likewise, the non-cancer health impacts from inhalation exposure to diesel exhaust usually outweighs the non-cancer multipathway health impacts from the speciated compounds of diesel exhaust (OEHHA, 2003). Therefore, only the inhalation cancer and chronic non-cancer effects of diesel exhaust were evaluated in this HRA.

Currently, there is no acute toxicity factor for diesel exhaust. Therefore, potential acute (short-term) non-cancer health effects were not evaluated in the HRA.

EXPOSURE ASSESSMENT

The exposure assessment estimates the extent of exposure to diesel exhaust for which potential cancer and chronic non-cancer effects will be evaluated. This involved emission quantification, dispersion modeling, and estimation of long-term exposure levels.

The diesel exhaust emissions quantification required a diesel exhaust emission rate from HHDTs associated with the project. The annual average diesel exhaust emissions have been used to evaluate the potential chronic (long-term) cancer and non-cancer health impacts at receptors surrounding the project. We did not estimate the maximum hourly diesel emissions because, currently, there is no acute toxicity factor for diesel exhaust. Therefore, potential acute (short-term) non-cancer health impacts have not been evaluated in this HRA.

The surrogate for diesel exhaust is diesel PM or PM_{10} (particulate matter, ten microns or less in size). A diesel exhaust (as PM_{10}) emission rate of 0.67 grams per mile (g/mi) was obtained from an appropriate guidance document (San Joaquin Valley Air Pollution Control District [SJVAPCD], 2006). The appropriateness of this value was confirmed through two runs using the EMFAC2007 model. The first of these runs yielded a value

of 0.86 g/mi, conservatively based upon the anticipated distribution of HHDTs registered in Los Angeles County ranging from model years 1965 through reporting year 2009. The less conservative second run yielded a value of 0.56 g/mi, based on a more limited model year range of 11 years—1999 through reporting year 2009.

The only stores that are anticipated to receive freight from HHDTs are the Wal-Mart Supercenter and the Major 2 anchor. The project proponent anticipates Wal-Mart to have 4-5 semi-type trucks delivering each day (5 semi-type trucks per day was used in calculations), including dry groceries, general merchandise, and fresh produce/deli/meats (via a transportation refrigerated unit [TRU]). Additionally, the Major 2 is expected to have approximately 3 truck deliveries per week (0.5 semi-type trucks per day was used in calculations). The outparcels would likely require less than 2 deliveries per day, the majority of which will be smaller trucks than the HHDTs that will be utilized for the Wal-Mart deliveries. Only the semi-type trucks were used in this analysis; furthermore, they were assumed to be heavy-duty, diesel trucks (HHDT). The HHDTs are anticipated to enter via a driveway along West Avenue L across from the existing Quartz Hill High School and proceed north toward the loading docks located behind the two major stores (see Figure 2 of Attachment A).

One point source was placed at each of three loading docks (two at the Wal-Mart Supercenter, and one at Major 2), to model emissions from idling HHDTs. The truck idling calculations were based on a total idling time of 5 minutes per truck, the recommended maximum idling time under the related California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM). One additional point source was located alongside each of the two Wal-Mart Supercenter idling point sources to allow for the modeling of emissions from TRU emissions. The TRU calculations were based on a delivery time of 30 minutes per truck, and assuming a worst case of two trucks per day. The idling and TRU emission factor and physical modeling parameters were obtained from the aforementioned SJVAPCD modeling guidance document (SJVAPCD, 2006).

Upon unloading, trucks are anticipated to exit the CQH project via the same driveway located along West Avenue L (see Figure 2 of Attachment A). It is assumed that trucks will maintain a speed limit of less than 15 miles per hour within the project property boundaries.

Dispersion modeling was performed using the Breeze ISC GIS Pro Version 5.2.1 version of the US EPA's Industrial Source Complex—Short Term, Release 3 (ISCST3) model (Version 02035) to estimate the ground-level diesel concentrations based on the emission rates discussed above. The modeled truck route was approximated using 100 volume sources along its length. The calculated emission rates for different portions of

the truck route was divided amongst the appropriate number of volume sources to determine an emission rate input in unts of grams per second per volume source. A summary of the emissions calculations discussed above are provided in Tables 1a and 1b of Attachment B.

The modeling estimated ground-level diesel concentrations at 470 receptors distributed via 50-meter Cartesian grid of receptors (for residential and workplace receptors) extending at least 400 meters from the CQH property boundaries in all directions. Additionally, discrete receptors were placed at the location of two identified sensitive locations—Quartz Hill High School at 6040 W. Avenue L, and Joe Walker Middle School at 5632 West Ave L-8—both located within several blocks of the proposed project. All source and receptor locations were approximated using Universal Transverse Mercator (UTM) coordinates. The source and receptor locations are respectively presented in Figures 2 and 3 of Attachment A, and contained in the modeling file outputs provided as Attachment C.

The modeling utilized pre-processed meteorological data for upper air station 99999 and surface meteorological station 51117 (both for Lancaster, CA) obtained from the South Coast Air Quality Management District's (SCAQMD) website (http://www.aqmd.gov/smog/metdata/MeteorologicalData.html). The model was run using SCAQMD defaults with "RURAL" dispersion coefficients. No building profile algorithms were used and no terrain was specified (assumed "FLAT" terrain, with ground-level receptors). Additional input parameters are summarized in the modeling output file provided in Attachment C.

Using the modeling approach and methodology discussed above, the maximum annual average ground-level diesel concentration was estimated to be 0.01000 micrograms per cubic meter ($\mu g/m^3$). The maximum value occurred approximately 27 meters west of the western property boundary and approximately 53 meters east of the north Walmart loading dock area (UTM coordinate: [386366.09, 3836129.00]) , as shown in the modeling output file provided in Attachment C. This area is currently zoned for residential, but is not yet developed. A summary of the modeling results are presented in Table 2 of Attachment B.

DOSE-RESPONSE

The dose-response assessment is the process of characterizing the relationship between exposure to diesel exhaust and incidence of an adverse health effect in exposed populations.

The estimation of potential inhalation cancer risk posed by exposure to diesel exhaust requires a cancer potency factor. Cancer potency factors are expressed as the upper bound probability of developing cancer assuming continuous lifetime exposure to diesel exhaust at a dose of one milligram per kilogram of body weight, and are expressed in units of inverse dose as a potency slope (i.e., $[mg/kg/day]^{-1}$). A cancer potency factor when multiplied by the dose of a carcinogen gives the associated lifetime cancer risk. The cancer potency factor for diesel exhaust is 1.1×10^{0} $[mg/kg/day]^{-1}$ (OEHHA, 2003).

The estimation of potential inhalation chronic non-cancer effects posed by exposure to diesel exhaust requires a chronic reference exposure level (REL). A chronic REL is a concentration level (that is expressed in units of micrograms per cubic meter ($\mu g/m^3$) for inhalation exposures), at or below which no adverse health effects are anticipated following long-term exposure. The chronic REL for diesel exhaust is 5 $\mu g/m^3$ (OEHHA, 2003). The chronic hazard index target organ for diesel exhaust is the respiratory system (OEHHA, 2003).

Currently, there is no acute toxicity factor for diesel exhaust. Therefore, potential acute (short-term) non-cancer health effects were not evaluated in the HRA.

RISK CHARACTERIZATION

Risk characterization combines the maximum annual average ground-level diesel concentration from the exposure assessment and the cancer potency factor and chronic REL from the dose-response analysis to estimate the potential inhalation cancer risk and chronic HI from the exposure to diesel exhaust emissions.

The following calculation was performed to estimate exposure through inhalation as a function of respiration rate and the concentration of diesel exhaust in air (OEHHA, 2003, Equation 5.4.1 A)(the recommended default values are also provided):

$$\text{Dose-inh} = [C_{air} * \{DBR\} * A * EF * ED * 10^{-6}] / AT$$
$$= [0.01000 * 271 * 1 * 350 * 70 * 10^{-6}] / 25{,}550$$
$$= 0.00000260 \text{ mg/kg/d}$$

where:

Dose-inh = Dose through inhalation (mg/kg/day)

10^{-6} = Micrograms to milligrams conversion, Liters to cubic meters conversion.

C_{air} = Concentration of diesel exhaust in air ($\mu g/m^3$)
= 0.01662 (residential)

{DBR} = Daily breathing rate (L/kg body weight - day)
= 271 (70-year "average" value, residential)

A = Inhalation absorption factor
= 1

EF = Exposure frequency (days/year)
= 350 (residential)

ED = Exposure duration (years)
= 70 (residential)

AT = Averaging time period over which exposure is averaged, in days (e.g., 25,550 days for 70 yr for cancer risk)
= 25,550 (residential)

The following calculation was performed to estimate the excess cancer risk for a 70-year resident due to diesel exhaust from the proposed project, based upon the calculated dosage:

Inhalation Cancer Risk

= (Dose-inh, mg/kg/day) x (Cancer Potency Value, $[mg/kg/day]^{-1}$)

= $0.00000260 \times 1.1 \times 10^{0}$

= 2.86×10^{-6}

= 3 in one million (MEIR)

Because the MEIR calculated above occurred in an undeveloped area zoned residential, the maximum annual concentration for a currently developed residential area was also evaluated. This value, also 3 in one million, occurred at a receptor located approximately 40 meters east of the eastern property boundary, across 60th Street West. A summary of modeling results is provided in Table 2 of Attachment B.

Similarly, the inhalation cancer risks at both the MEIW and maximum sensitive receptor were calculated as 0.9 in one million (see Table 2 of Attachment B). Please refer to Figure 3 of Attachment A for the approximate locations of the MEIR, MEIW and maximum sensitive receptor.

The chronic HI is a calculated ratio. Exposures above the REL are indicated by an HI greater than one (1) and may indicate that the source has a potential to cause adverse non-cancer health effects.

Chronic Non-Cancer HI

= (annual average diesel exhaust concentration, $\mu g/m^3$) / REL

= (0.01000 $\mu g/m^3$) / (5 $\mu g/m^3$)

= 0.00200 (or <0.01) (MEIR)

Similarly, the chronic non-cancer HI at both the MEIW and maximum sensitive receptor were calculated to be less than 0.01 (see Table 2 of Attachment B). Please refer to Figure 3 of Attachment A for the approximate locations of the MEIR, MEIW and maximum sensitive receptor.

For purposes of a cumulative analysis, the anticipated diesel emissions from the proposed commercial development project immediately southeast of the subject property (Lane Ranch Towne Center) was incorporated in the modeling.

Cancer Risk—Cumulative

The cumulative analysis showed that the receptor location of the MEIR did not change and the cancer risk remained 3 in one million (see Table 2 of Attachment B). The MEIW was only evaluated for faculty and staff of surrounding schools, as values compiled for the receptors on the two development sites were not considered. An MEIW and maximum sensitive receptor cancer risk of 1 in one million was calculated using an annual average concentration of 0.00326 $\mu g/m^3$ from Quartz Hill High School discrete receptor B (UTM Coordinates: [386695, 3835733]). Again, the MEIW and sensitive receptor cancer risks are conservatively high as they have been estimated using a 70-year exposure.

Chronic Non-Cancer HI—Cumulative

The cumulative chronic non-cancer HI is well below 0.01 (<0.01) (see Table 2 of Attachment B).

COMPARISONS

The results compiled in the prior sections were compared to a couple of recent literature sources. The *Proposed Air Quality and Land Use Handbook: A Community Health Perspective*, prepared by CARB and dated March 2005 indicated a range of relative excess cancer risk for residents along freeways or busy roadways of approximately 300-1,700 in one million. The estimated regional cancer risk from air toxics in the Los Angeles region (South Coast Air Basin) is approximately 1,000 in a million (CARB, 2005)."

In another document, *The California Almanac of Emissions and Air Quality - 2006 Edition*, a table of annual health risk indicate an average basin risk for nine toxic air contaminants (other than diesel exhaust) of approximately 187 in a million in 2004, down from 285 in a million in 2000 (both based on monitoring data). From the same table, the most recent diesel exhaust risk estimate is for year 2000, is based on modeling techniques, and was estimated to be 720 in a million (CARB, 2006). Another study conducted by the SCAQMD called the Multiple Air Toxics Exposure Study (MATES-II) arrived at a regional cancer risk of approximately 1,400 in a million, based primarily on air toxics monitoring data, of which approximately 70% was attributed to diesel exhaust (SCAQMD, 2000).

ASSUMPTIONS

Anticipated truck count information was provided by the project proponent, or its representative, through CAJA. It does not include smaller delivery vehicles (or vans), vendor trucks, priority delivery trips (e.g. FedEx/UPS), and other sporadic deliveries.

Only emissions from HHDTs were calculated and modeled in this analysis. Medium- and light-duty delivery traffic was not considered in this analysis.

The only stores that are anticipated to receive freight from HHDTs are the Wal-Mart Supercenter and the adjacent Major 2 anchor. The HHDTs are anticipated to enter a driveway along West Avenue L across from the existing Quartz Hill High School and proceed north toward the loading docks located behind the two major stores. It is anticipated that the trucks will exit via the same driveway. 5.5 HHDTs will deliver freight

to these stores on a daily basis; no other HHDT deliveries were provided by CAJA or the project proponents.

Used emission factors and exhaust flow characteristics recommended in the SJVAPCD's Guidance for Air Dispersion Modeling (dated September 2006). Including Section 2.3 (Mobile/Non-Permitted Sources), and Sub-sections 2.3.1 (Transportation Refrigeration Unit [TRU]) and 2.3.2 (Truck Traveling and Idling).

One point source was placed at each of three loading docks (two at the Wal-Mart Supercenter, and one at Major 2), to model emissions from idling HHDTs. The truck idling calculations were based on a total idling time of 5 minutes per truck, the recommended maximum idling time under the related California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM).

One additional point source was located alongside each of the two Wal-Mart Supercenter idling point sources to allow for the modeling of emissions from diesel-fired TRU emissions. The TRU calculations were based on a delivery time of 30 minutes per truck, and assuming a worst case of two trucks per day.

A 50-meter spaced Cartesian grid was used in areas of both current and anticipated residential development within approximately one-quarter mile of the project site. Readily available aerial photographs and land use information contained in the "Westside" map of the City of Lancaster's community development department was used as a resource for this task.

For purposes of the cumulative analysis, the anticipated diesel emissions from the proposed commercial development project immediately southeast of the proposed project (Lane Ranch Towne Center) was also modeled.

LIMITATIONS

The above analysis is preliminary and is based on a number of assumptions. In addition, the cumulative analysis that was performed does not account for all possible sources/pollutants. No consideration of existing background concentrations, other than discussion of the results of past studies, has been included. However, traditionally, when assessing a specific project, background concentrations are not included.

This report was prepared in general accordance with the accepted industry standard at the time the report was written. The results contained in this report are based upon the information acquired at the time of the investigation. It is possible that not all conditions

were identified during this project. Land use, site conditions (both on site and off site) or other factors may change over time, and additional work may be required with the passage of time.

It should be recognized that identifying and assessing possible environmental, health and safety issues and regulatory requirements is challenging. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the facility. Kleinfelder should be notified for additional consultation if the client wishes to reduce the uncertainties beyond the level associated with this report. It should be recognized that the scope of work described herein is not intended to be inclusive, to identify all potential concerns, or to eliminate the possibility of problems. No warranty or guarantee, expressed or implied, is made.

This report may be used only by the client and only for the purposes stated, within a reasonable time from its issuance. Land or facility use, on and off-site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time. Any party other than the client who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party.

REFERENCES

California Air Resources Board (CARB), 2006. *The California Almanac of Emissions and Air Quality - 2006 Edition*. April 2006.

CARB, 2005. *Proposed Air Quality and Land Use Handbook: A Community Health Perspective*. March 2005.

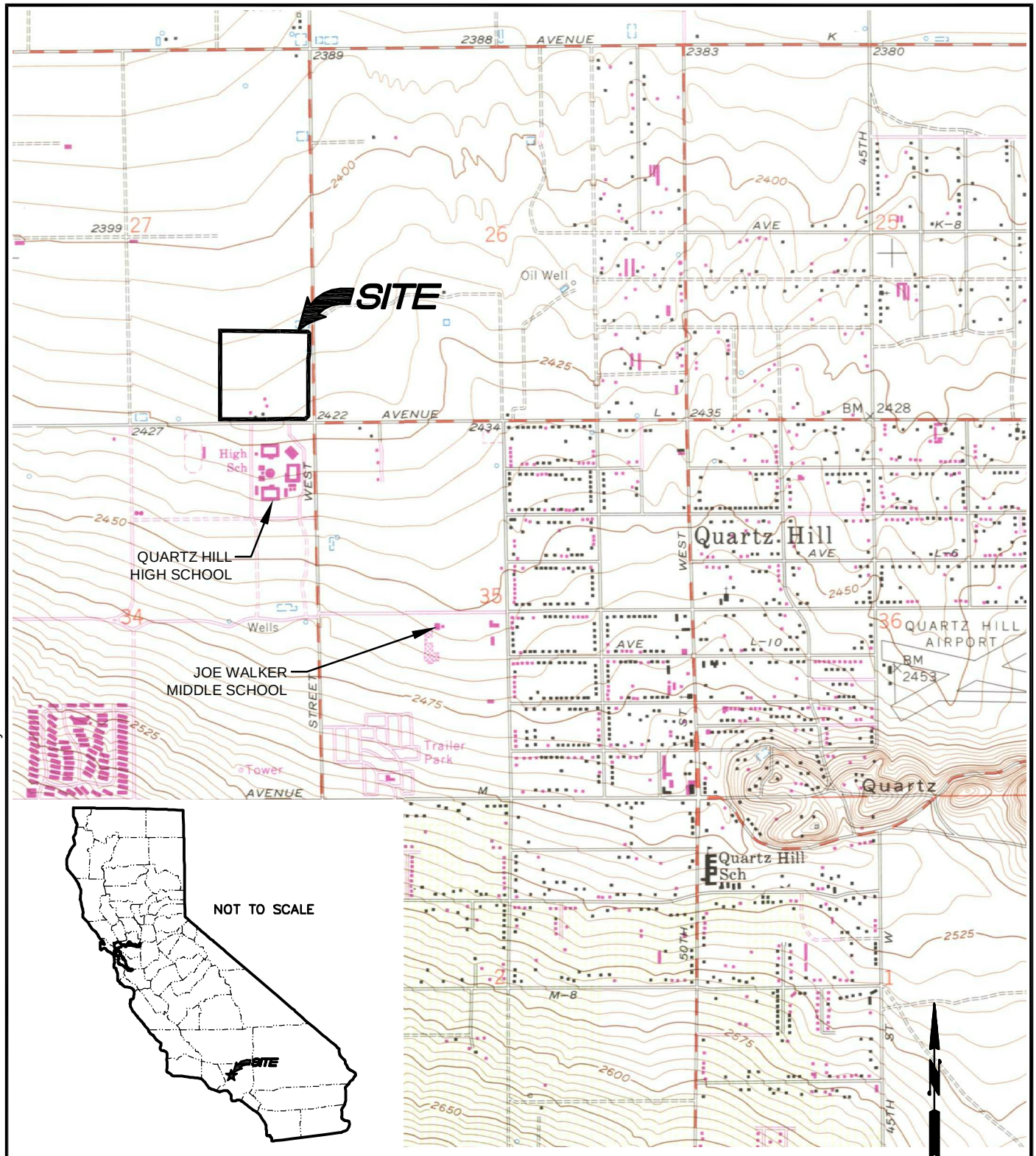
Office of Environmental Health Hazard Assessment (OEHHA), 2003. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Chapters 5, 7 and 8. Dated August 2003.

San Joaquin Valley Unified Air Pollution Control District (SJVAPCD), 2006. *Guidance for Air Dispersion Modeling, Rev. 1.2.* August 2006.

South Coast Air Quality Management District (SCAQMD), 2000. *Multiple Air Toxics Exposure Study (MATES-II)*. Executive Summary. March 2000.

ATTACHMENT A

FIGURES



SOURCE: U.S.G.S. 7.5' topographic series, Lancaster West, California quadrangle dated 1958, photorevised 1974.

ATTACHED IMAGES: Images: 75013p1.jpg
ATTACHED XREFS:
DB-L:\2007\CADD
CAD FILE: L:\2007\CADD\75013\COMMONS\ LAYOUT: Layout1

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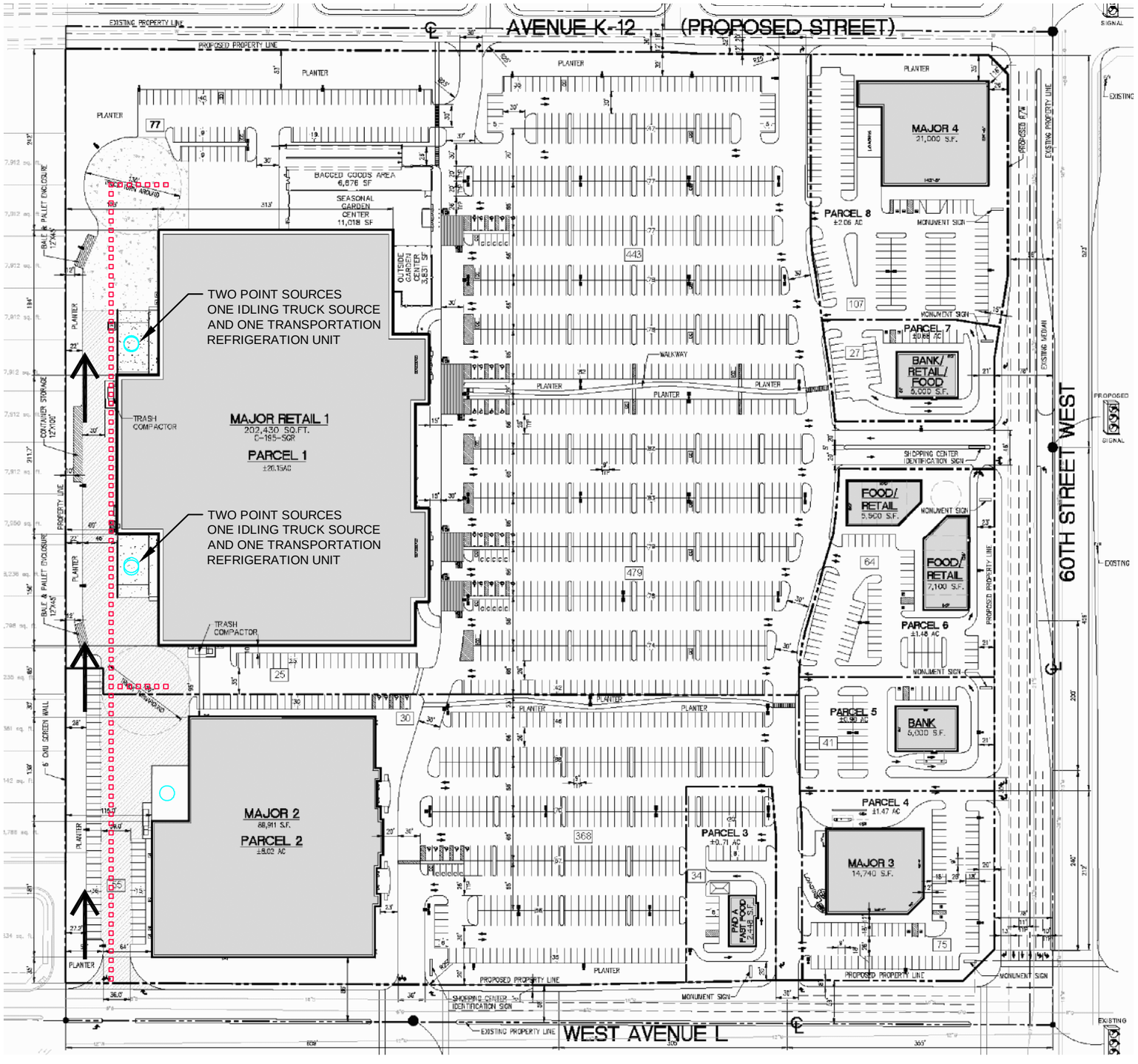
PROPOSED PROJECT LOCATION MAP

THE COMMONS AT QUARTZ HILL
NWC OF 60TH STREET WEST AND AVENUE L
LANCASTER, CALIFORNIA

DRAWN BY:	D. FAHRNEY
REVISED BY:	D. FAHRNEY
CHECKED BY:	E. CARLSON
FIGURE	1

DRAWN: 08/24/07	APPROVED BY:	PROJECT NO. 75013	FILE NAME: 75013p1.dwg



EXPLANATION

- APPROXIMATE POINT SOURCE LOCATION (IDLING TRUCKS OR TRANSPORTATION REFRIGERATION UNIT)
- APPROXIMATE VOLUME SOURCE LOCATION (LINE SOURCE FOR ONSITE TRUCK TRAVEL)
- ANTICIPATED DIRECTION OF TRUCK TRAVEL

0 FEET 150

PROJECT LAYOUT WITH SOURCE LOCATIONS

THE COMMONS AT QUARTZ HILL
NWC OF 60TH STREET WEST AND AVENUE L
LANCASTER, CALIFORNIA

FIGURE **2**

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DRAWN BY:	D. FAHRNEY
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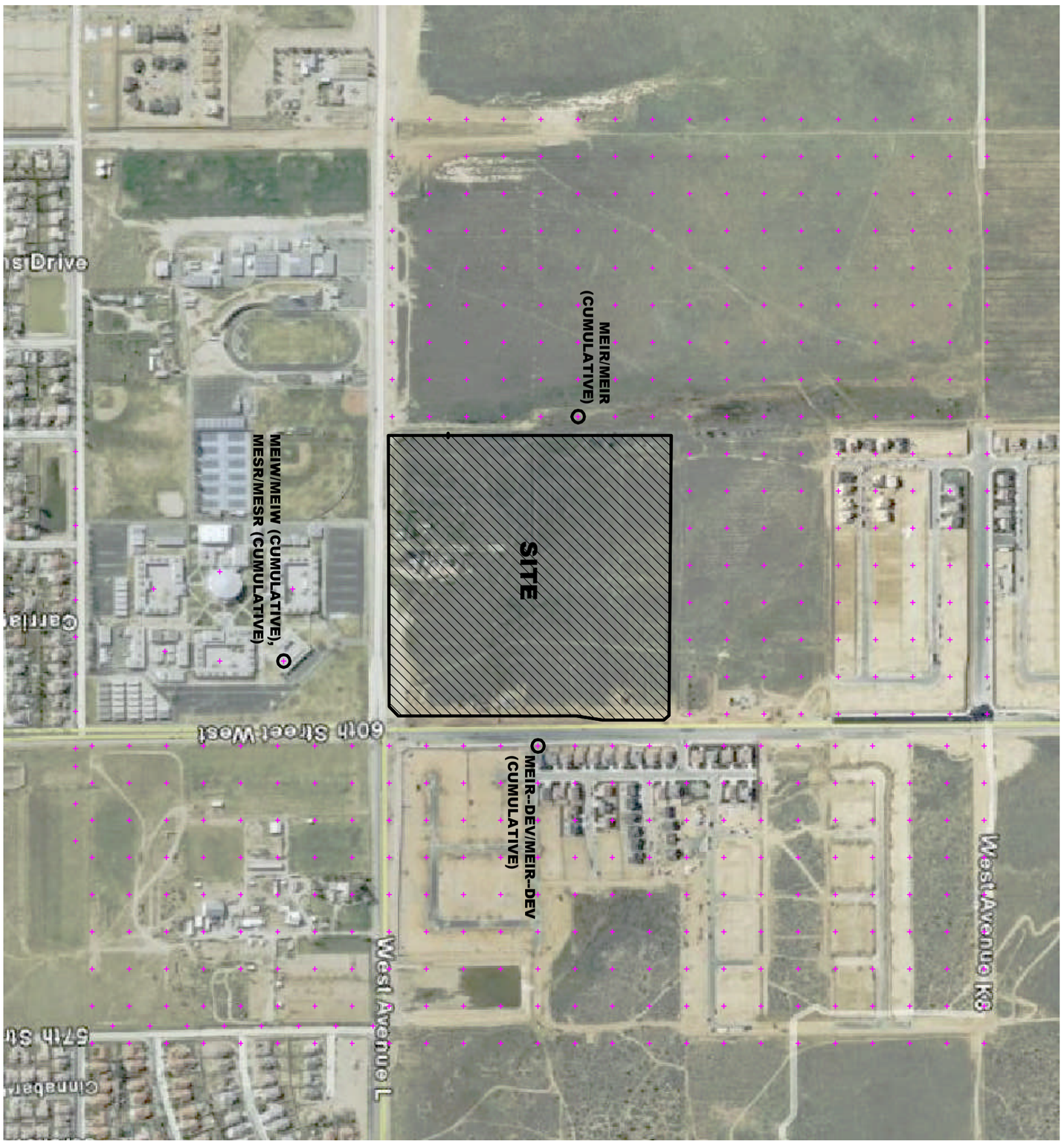
CHECKED BY:	E. CARLSON
DATE:	08/16/07
APPROVED BY:	
PROJECT NO.	75013
FILE NAME:	75013p2.dwg

PLOTTED: 29 Aug 2007, 9:22am, dfahrney

ATTACHED IMAGES: Images: 75013p2.jpg Images: The Commons Site Plan 06-20-07.tif
ATTACHED XREFS:
DB-L:\2007\CADD CAD FILE: L:\2007\CADD\75013\COMMONS\ LAYOUT: COMMONS

ATTACHED IMAGES: Images: COMMONS.jpg Images: DOCUMENT2.jpg Images: The Commons Site Plan 06-20-07.tif
ATTACHED XREFS:
DB-L:\2007\CADD CAD FILE: L:\2007\CADD\75013\COMMONS\ LAYOUT: COMMONS



EXPLANATION

+ APPROXIMATE RECEPTOR LOCATION
MEIR MAXIMUM EXPOSED INDIVIDUAL-RESIDENT
MEIR-DEV MAXIMUM EXPOSED INDIVIDUAL-RESIDENT (IN DEVELOPED AREA)
MEIW MAXIMUM EXPOSED INDIVIDUAL-WORKER
MESR MAXIMUM EXPOSED SENSITIVE RECEPTOR

NOTE:
PLEASE REFER TO TABLE 2 OF ATTACHMENT B FOR COORDINATES ASSOCIATED WITH THE IDENTIFIED RECEPTORS.

0 FEET 500

DRAWN BY: D. FAHRNEY	**PROJECT AERIAL PHOTO WTIH RECEPTOR LOCATIONS**	KLEINFELDER	FIGURE
REVISED BY: D. FAHRNEY			
CHECKED BY: E. CARLSON	THE COMMONS AT QUARTZ HILL NWCC OF 60TH STREET WEST AND AVENUE L LANCASTER, CALIFORNIA	43174 Business Park Drive, Suite 103 Temecula, CA 92590 PH. (951) 506-1488 FAX. (951) 506-1491 www.kleinfelder.com	3
DATE: 08/16/07 APPROVED BY:	PROJECT NO. 75013 FILE NAME: 75013p3.dwg		

PLOTTED: 29 Aug 2007, 9:37am, dfahrney

ATTACHMENT B

SUMMARY OF EMISSIONS CALCULATIONS

TABLE 1a
Summary of Emission Calculations--Mobile Sources
Health Risk Analysis
Proposed The Commons at Quartz Hill
Lancaster, California

Draft

Diesel PM Emissions from Trucks Traveling on The Commons at Quartz Hill Property (Line Source, Consisting of 61 Volume Sources)

	EF[1]	Anticipated Onsite Truck Travel and Mileage (serving Wal-Mart, north of Major 2 Turnaround)					Calculated Annual Average Emissions		
Truck Types	g/mi	truck trips/day	mi/truck	miles/day	days/yr	mi/yr	g/yr	g/s	g/s/vol src
Heavy-duty, diesel	0.67	5	0.28	1.40	365	5.12E+02	3.43E+02	1.09E-05	1.78E-07

Diesel PM Emissions from Trucks Traveling on The Commons at Quartz Hill Property (Line Source, Consisting of 6 Volume Sources)

	EF[1]	Anticipated Onsite Truck Travel and Mileage (Major 2 Turnaround)					Calculated Annual Average Emissions		
Truck Types	g/mi	truck trips/day	mi/truck	miles/day	days/yr	mi/yr	g/yr	g/s	g/s/vol src
Heavy-duty, diesel	0.67	0.5	0.03	0.01	365	5.03E+00	3.37E+00	1.07E-07	1.78E-08

Diesel PM Emissions from Trucks Traveling on The Commons at Quartz Hill Property (Line Source, Consisting of 33 Volume Sources)

	EF[1]	Anticipated Onsite Truck Travel and Mileage (South of Major 2 Turnaround)					Calculated Annual Average Emissions		
Truck Types	g/mi	truck trips/day	mi/truck	miles/day	days/yr	mi/yr	g/yr	g/s	g/s/vol src
Heavy-duty, diesel	0.67	6.5	0.15	0.96	365	3.49E+02	2.34E+02	7.42E-06	2.25E-07

Notes:

[1] = Data obtained from Section 2.3.2, "Truck Traveling and Idling." SJVAPCD's "Guidance for Air Dispersion Modeling", Rev. 1.2 dated 08/06. Guidance for truck traveling. Based on EMFAC7G.

EMFAC = mobile source emissions estimation model developed by the California Air Rescouces Board
EF(s) = emission factor(s)
VMT = vehicle miles traveled
ton/mi= tons per mile
lb/mi = pounds per mile
g/mi = grams per mile
mi/truck = miles per truck
days/yr = days per year
mi/yr = miles per year
g/yr = grams per year
g/s = grams per second
g/s/vol src = grams per second per volume source (calculated, based on specified number of volume sources)

Table 1b
Summary of Emission Calculations--Idling Sources
Health Risk Analysis
Proposed The Commons at Quartz Hill
Lancaster, California

Draft

Diesel PM Emissions from Trucks Idling on The Commons at Quartz Hill Property (2 Point Sources--2 Wal-Mart Loading Docks)

	EF[(2)]	Truck Idling and Facility Operational Assumptions			Calculated Idling Time			Calculated Annual Average Emissions		
Truck Type	g/hr	trucks/day	min/truck	days/yr	min/day	hrs/day	hrs/yr	g/yr	g/s	g/s/pt src
Heavy-duty, diesel	2.57	5	5	365	25	0.4	152.0833333	3.91E+02	1.24E-05	6.20E-06

Diesel PM Emissions from Trucks Idling on The Commons at Quartz Hill Property (1 Point Sources--Major 2 Loading Dock)

	EF[(2)]	Truck Idling and Facility Operational Assumptions			Calculated Idling Time			Calculated Annual Average Emissions		
Truck Type	g/hr	trucks/day	min/truck	days/yr	min/day	hrs/day	hrs/yr	g/yr	g/s	g/s/pt src
Heavy-duty, diesel	2.57	0.5	5	365	2.5	0.0	15.20833333	3.91E+01	1.24E-06	1.24E-06

Diesel PM Emissions from Transportation Refrigeration Units (TRUs) on The Commons at Quartz Hill Property (2 Point Sources--2 Wal-Mart Loading Docks)

	EF[(2)]	Transportation Refrigeration Unit (TRU)			Calculated Idling Time			Calculated Annual Average Emissions		
Truck Type	g/hr	trucks/day	min/truck	days/yr	min/day	hrs/day	hrs/yr	g/yr	g/s	g/s/pt src
Heavy-duty, diesel	38	2	30	365	60	1.0	365	1.39E+04	4.40E-04	2.20E-04

Notes:

[(2)] = Data obtained from Sections 2.3.1 ("Transportation Refrigeration Unit (TRU)") and 2.3.2 ("Truck Traveling and Idling"). SJVAPCD's "Guidance for Air Dispersion Modeling", Rev. 1.2 dated 08/06.

g/hr = grams per hour
hrs/yr = hours per year
min/truck = minutes per truck
g/s/pt src = grams per second per point source (calculated, based on the specified number of point sources)

TABLE 2
Summary of Results
Health Risk Analysis
Proposed The Commons at Quartz Hill
Lancaster, California

Draft

Model Run ID	Receptor Description	Coordinates	Maximum Annual Concentration ($\mu g/m^3$)	Inhalation Dose (mg/kg/day)	Inhalation Cancer Risk, using dose	Non-cancer Chronic Hazard Index (HI)	Notes
COMMONS_ISC002.DAT	MEIR	(386366.09, 3836129.00)	0.01	2.60E-06	2.86E-06	0.002	Approximately 27 meters west of western property boundary, and approximately 53 meters east of the north Walmart loading dock area. Zoned for residential, but not yet developed.
COMMONS_ISC002.DAT	MEIR (developed)	(386809.19, 3836075.00)	0.00919	2.39E-06	2.63E-06	0.002	Approximately 40 meters east of the eastern property boundary, across 60th Street West. Existing residential area.
COMMONS_ISC002.DAT	MAXIMUM SENSITIVE RECEPTOR	(386695.00, 3835733.00)	0.00326	8.47E-07	9.32E-07	0.0007	Quartz Hill High School Receptor B; approximately 116 meters west of the western property boundary of Lane Ranch Towne Center, across 60th Street West; and, approximately 141 south of the southern boundary of The Commons at Quartz Hill (proposed), across West Avenue L.
COMMONS_ISC002.DAT	MEIW	(386695.00, 3835733.00)	0.00326	8.47E-07	9.32E-07	0.0007	Quartz Hill High School Receptor B; approximately 116 meters west of the western property boundary of Lane Ranch Towne Center, across West 60th Street; and, approximately 141 south of the southern boundary of The Commons at Quartz Hill (proposed), across West Avenue L.
GENERAL_ISC002.DAT (Cumulative Run)	MEIR	(386366.09, 3836129.00)	0.01021	2.7E-06	2.9E-06	0.002	Approximately 27 meters west of western property boundary, and approximately 53 meters east of the north Walmart loading dock area. Zoned for residential, but not yet developed.
GENERAL_ISC002.DAT (Cumulative Run)	MEIR (developed)	(386809.19, 3836075.00)	0.00973	2.5E-06	2.8E-06	0.002	Approximately 40 meters east of the eastern property boundary, across 60th Street West. Existing residential area.
GENERAL_ISC002.DAT (Cumulative Run)	MAXIMUM SENSITIVE RECEPTOR	(386695.00, 3835733.00)	0.00396	1.0E-06	1.1E-06	0.001	Quartz Hill High School Receptor B; approximately 116 meters west of the western property boundary of Lane Ranch Towne Center, across 60th Street West; and, approximately 141 south of the southern boundary of The Commons at Quartz Hill (proposed), across West Avenue L.
GENERAL_ISC002.DAT (Cumulative Run)	MEIW	(386695.00, 3835733.00)	0.00396	1.0E-06	1.1E-06	0.001	Quartz Hill High School Receptor B; approximately 116 meters west of the western property boundary of Lane Ranch Towne Center, across West 60th Street; and, approximately 141 south of the southern boundary of The Commons at Quartz Hill (proposed), across West Avenue L.

ATTACHMENT C

ISCST3 MODEL OUTPUT FILE

ISCST3 - (DATED 02035)

ISCST3x VERSION 4.4.3

Run Began on 8/17/2007 at 8:05:51

** BREEZE ISC GIS Pro v5.2.1 - C:\CAJA Modeling\Commons\COMMONS_ISC003.DAT
** Trinity Consultants

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CO TITLETWO  FOR CAJA
CO MODELOPT  DFAULT  CONC  RURAL
CO AVERTIME  ANNUAL
CO POLLUTID  OTHER
CO TERRHGTS  FLAT
CO RUNORNOT  RUN
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
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SO FINISHED

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RE DISCCART  386695.0  3835733.0
** RCPDESCR  HS REC B
RE DISCCART  386695.0  3835647.0
** RCPDESCR  HS REC C
RE DISCCART  386682.0  3835573.0
** RCPDESCR  HS REC D
RE DISCCART  386598.0  3835558.0
** RCPDESCR  HS REC E
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** RCPDESCR  Christ Missionary Bible School (5310 W. Av
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ME SURFDATA  51117  1981
ME UAIRDATA  99999  1981
ME STARTEND  1981  01  01  1  1981  12  31  24
ME FINISHED
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OU STARTING
OU FINISHED

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** OUTFILE  "C:\CAJA Modeling\Commons\COMMONS_ISC003.lst"
** RAWFILE  "C:\CAJA Modeling\Commons\COMMONS_ISC003.RAW"
** RAWFMT  2
** AMPDATUM  0
** HILLBOUN  0 0 0 0


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

CONC RURAL FLAT DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Intermediate Terrain Processing is Selected

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

  -- SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION. DDPLETE = F
**Model Uses NO WET DEPLETION. WDPLETE = F
**NO WET SCAVENGING Data Provided.
**NO GAS DRY DEPOSITION Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
           1. Final Plume Rise.
           2. Stack-tip Downwash.
           3. Buoyancy-induced Dispersion.
           4. Use Calms Processing Routine.
           5. Not Use Missing Data Processing Routine.
           6. Default Wind Profile Exponents.
           7. Default Vertical Potential Temperature Gradients.
           8. "Upper Bound" Values for Supersquat Buildings.
           9. No Exponential Decay for RURAL Mode

**Model Assumes Receptors on FLAT Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates ANNUAL Averages Only

**This Run Includes: 105 Source(s);   1 Source Group(s); and   487 Receptor(s)

**The Model Assumes A Pollutant Type of: OTHER

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

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Anem. Hgt. (m) =   10.00 ;   Decay Coef. =   0.0000 ;   Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   1.3 MB of RAM.

**Input Runstream File: C:\CAJAMO~1\COMMONS\COMMONS_ISC003.DAT
**Output Print File: C:\CAJAMO~1\COMMONS\COMMONS_ISC003.LST

 CONC RURAL FLAT DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
SRC415	0	0.62000E-05	386419.3	3836133.2	0.0	3.84	366.00	50.00	0.10	NO	
SRC416	0	0.62000E-05	386419.3	3836042.2	0.0	3.84	366.00	50.00	0.10	NO	
SRC6	0	0.12400E-05	386433.8	3835950.8	0.0	3.84	366.00	50.00	0.10	NO	
SRC8	0	0.22000E-03	386419.3	3836132.8	0.0	3.96	501.00	49.00	0.04	NO	
SRC9	0	0.22000E-03	386419.3	3836043.2	0.0	3.96	501.00	49.00	0.04	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC278	0	0.17800E-06	386411.1	3836168.0	0.0	1.83	1.71	0.85	
SRC279	0	0.17800E-06	386411.1	3836164.2	0.0	1.83	1.71	0.85	
SRC280	0	0.17800E-06	386411.1	3836160.5	0.0	1.83	1.71	0.85	
SRC281	0	0.17800E-06	386411.1	3836156.8	0.0	1.83	1.71	0.85	
SRC282	0	0.17800E-06	386411.1	3836153.0	0.0	1.83	1.71	0.85	
SRC283	0	0.17800E-06	386411.1	3836149.5	0.0	1.83	1.71	0.85	
SRC284	0	0.17800E-06	386411.1	3836145.8	0.0	1.83	1.71	0.85	
SRC285	0	0.17800E-06	386411.1	3836142.0	0.0	1.83	1.71	0.85	
SRC286	0	0.17800E-06	386411.1	3836138.2	0.0	1.83	1.71	0.85	
SRC287	0	0.17800E-06	386411.1	3836134.5	0.0	1.83	1.71	0.85	
SRC288	0	0.17800E-06	386411.1	3836131.0	0.0	1.83	1.71	0.85	
SRC289	0	0.17800E-06	386411.1	3836127.2	0.0	1.83	1.71	0.85	
SRC290	0	0.17800E-06	386411.1	3836123.5	0.0	1.83	1.71	0.85	
SRC291	0	0.17800E-06	386411.1	3836119.8	0.0	1.83	1.71	0.85	
SRC292	0	0.17800E-06	386411.1	3836116.0	0.0	1.83	1.71	0.85	
SRC293	0	0.17800E-06	386411.1	3836112.5	0.0	1.83	1.71	0.85	
SRC294	0	0.17800E-06	386411.1	3836108.8	0.0	1.83	1.71	0.85	
SRC295	0	0.17800E-06	386411.1	3836105.0	0.0	1.83	1.71	0.85	
SRC296	0	0.17800E-06	386411.1	3836101.2	0.0	1.83	1.71	0.85	
SRC297	0	0.17800E-06	386411.1	3836097.5	0.0	1.83	1.71	0.85	
SRC298	0	0.17800E-06	386411.1	3836094.0	0.0	1.83	1.71	0.85	
SRC299	0	0.17800E-06	386411.1	3836090.2	0.0	1.83	1.71	0.85	
SRC300	0	0.17800E-06	386411.1	3836086.5	0.0	1.83	1.71	0.85	
SRC301	0	0.17800E-06	386411.1	3836082.8	0.0	1.83	1.71	0.85	
SRC302	0	0.17800E-06	386411.1	3836079.0	0.0	1.83	1.71	0.85	
SRC303	0	0.17800E-06	386411.1	3836075.5	0.0	1.83	1.71	0.85	
SRC304	0	0.17800E-06	386411.1	3836071.8	0.0	1.83	1.71	0.85	
SRC305	0	0.17800E-06	386411.1	3836068.0	0.0	1.83	1.71	0.85	
SRC306	0	0.17800E-06	386411.1	3836064.2	0.0	1.83	1.71	0.85	
SRC307	0	0.17800E-06	386411.1	3836060.5	0.0	1.83	1.71	0.85	
SRC308	0	0.17800E-06	386411.1	3836057.0	0.0	1.83	1.71	0.85	
SRC309	0	0.17800E-06	386411.1	3836053.2	0.0	1.83	1.71	0.85	
SRC310	0	0.17800E-06	386411.1	3836049.5	0.0	1.83	1.71	0.85	
SRC311	0	0.17800E-06	386411.1	3836045.8	0.0	1.83	1.71	0.85	
SRC312	0	0.17800E-06	386411.1	3836042.0	0.0	1.83	1.71	0.85	
SRC313	0	0.17800E-06	386411.1	3836038.5	0.0	1.83	1.71	0.85	
SRC314	0	0.17800E-06	386411.1	3836034.8	0.0	1.83	1.71	0.85	
SRC315	0	0.17800E-06	386411.1	3836031.0	0.0	1.83	1.71	0.85	
SRC316	0	0.17800E-06	386411.1	3836027.2	0.0	1.83	1.71	0.85	
SRC317	0	0.17800E-06	386411.1	3836023.5	0.0	1.83	1.71	0.85	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC318	0	0.17800E-06	386411.1	3836020.0	0.0	1.83	1.71	0.85	
SRC319	0	0.17800E-06	386411.1	3836016.2	0.0	1.83	1.71	0.85	
SRC320	0	0.17800E-06	386411.1	3836012.5	0.0	1.83	1.71	0.85	
SRC321	0	0.17800E-06	386411.1	3836008.8	0.0	1.83	1.71	0.85	
SRC322	0	0.17800E-06	386411.1	3836005.0	0.0	1.83	1.71	0.85	
SRC323	0	0.17800E-06	386411.1	3836001.5	0.0	1.83	1.71	0.85	
SRC324	0	0.17800E-06	386411.1	3835997.8	0.0	1.83	1.71	0.85	
SRC325	0	0.22500E-06	386411.1	3835994.0	0.0	1.83	1.71	0.85	
SRC326	0	0.22500E-06	386411.1	3835990.2	0.0	1.83	1.71	0.85	
SRC327	0	0.22500E-06	386411.1	3835986.5	0.0	1.83	1.71	0.85	
SRC328	0	0.22500E-06	386411.1	3835983.0	0.0	1.83	1.71	0.85	
SRC329	0	0.22500E-06	386411.1	3835979.2	0.0	1.83	1.71	0.85	
SRC330	0	0.22500E-06	386411.1	3835975.5	0.0	1.83	1.71	0.85	
SRC331	0	0.22500E-06	386411.1	3835971.8	0.0	1.83	1.71	0.85	
SRC332	0	0.22500E-06	386411.1	3835968.0	0.0	1.83	1.71	0.85	
SRC333	0	0.22500E-06	386411.1	3835964.5	0.0	1.83	1.71	0.85	
SRC334	0	0.22500E-06	386411.1	3835960.8	0.0	1.83	1.71	0.85	
SRC335	0	0.22500E-06	386411.1	3835957.0	0.0	1.83	1.71	0.85	
SRC336	0	0.22500E-06	386411.1	3835953.2	0.0	1.83	1.71	0.85	
SRC337	0	0.22500E-06	386411.1	3835949.5	0.0	1.83	1.71	0.85	
SRC338	0	0.22500E-06	386411.1	3835946.0	0.0	1.83	1.71	0.85	
SRC339	0	0.22500E-06	386411.1	3835942.2	0.0	1.83	1.71	0.85	
SRC340	0	0.22500E-06	386411.1	3835938.5	0.0	1.83	1.71	0.85	
SRC341	0	0.22500E-06	386411.1	3835934.8	0.0	1.83	1.71	0.85	
SRC342	0	0.22500E-06	386411.1	3835931.0	0.0	1.83	1.71	0.85	
SRC343	0	0.22500E-06	386411.1	3835927.5	0.0	1.83	1.71	0.85	
SRC344	0	0.22500E-06	386411.1	3835923.8	0.0	1.83	1.71	0.85	
SRC345	0	0.22500E-06	386411.1	3835920.0	0.0	1.83	1.71	0.85	
SRC346	0	0.22500E-06	386411.1	3835916.2	0.0	1.83	1.71	0.85	
SRC347	0	0.22500E-06	386411.1	3835912.5	0.0	1.83	1.71	0.85	
SRC348	0	0.22500E-06	386411.1	3835909.0	0.0	1.83	1.71	0.85	
SRC349	0	0.22500E-06	386411.1	3835905.2	0.0	1.83	1.71	0.85	
SRC350	0	0.22500E-06	386411.1	3835901.5	0.0	1.83	1.71	0.85	
SRC351	0	0.22500E-06	386411.1	3835897.8	0.0	1.83	1.71	0.85	
SRC352	0	0.22500E-06	386411.1	3835894.0	0.0	1.83	1.71	0.85	
SRC353	0	0.22500E-06	386411.1	3835890.5	0.0	1.83	1.71	0.85	
SRC354	0	0.22500E-06	386411.1	3835886.8	0.0	1.83	1.71	0.85	
SRC355	0	0.22500E-06	386411.1	3835883.0	0.0	1.83	1.71	0.85	
SRC356	0	0.22500E-06	386411.1	3835879.2	0.0	1.83	1.71	0.85	
SRC357	0	0.22500E-06	386411.1	3835875.5	0.0	1.83	1.71	0.85	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC359	0	0.17800E-06	386411.1	3836171.5	0.0	1.83	1.71	0.85	
SRC360	0	0.17800E-06	386411.1	3836175.2	0.0	1.83	1.71	0.85	
SRC361	0	0.17800E-06	386411.1	3836179.0	0.0	1.83	1.71	0.85	
SRC362	0	0.17800E-06	386411.1	3836182.8	0.0	1.83	1.71	0.85	
SRC363	0	0.17800E-06	386411.1	3836186.5	0.0	1.83	1.71	0.85	
SRC364	0	0.17800E-06	386411.1	3836190.0	0.0	1.83	1.71	0.85	
SRC365	0	0.17800E-06	386411.1	3836193.8	0.0	1.83	1.71	0.85	
SRC366	0	0.17800E-06	386411.1	3836197.5	0.0	1.83	1.71	0.85	
SRC371	0	0.17800E-06	386414.8	3836197.5	0.0	1.83	1.71	0.85	
SRC372	0	0.17800E-06	386418.5	3836197.5	0.0	1.83	1.71	0.85	
SRC373	0	0.17800E-06	386422.2	3836197.5	0.0	1.83	1.71	0.85	
SRC377	0	0.17800E-06	386425.9	3836197.5	0.0	1.83	1.71	0.85	
SRC378	0	0.17800E-06	386429.6	3836197.5	0.0	1.83	1.71	0.85	
SRC379	0	0.17800E-06	386433.3	3836197.5	0.0	1.83	1.71	0.85	
SRC393	0	0.17800E-07	386414.8	3835994.0	0.0	1.83	1.71	0.85	
SRC394	0	0.17800E-07	386418.5	3835994.0	0.0	1.83	1.71	0.85	
SRC395	0	0.17800E-07	386422.2	3835994.0	0.0	1.83	1.71	0.85	
SRC396	0	0.17800E-07	386425.9	3835994.0	0.0	1.83	1.71	0.85	
SRC397	0	0.17800E-07	386429.6	3835994.0	0.0	1.83	1.71	0.85	
SRC398	0	0.17800E-07	386433.3	3835994.0	0.0	1.83	1.71	0.85	

CONC RURAL FLAT DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	SRC278 , SRC279 , SRC280 , SRC281 , SRC282 , SRC283 , SRC284 , SRC285 , SRC286 , SRC287 , SRC288 , SRC289 , SRC290 , SRC291 , SRC292 , SRC293 , SRC294 , SRC295 , SRC296 , SRC297 , SRC298 , SRC299 , SRC300 , SRC301 , SRC302 , SRC303 , SRC304 , SRC305 , SRC306 , SRC307 , SRC308 , SRC309 , SRC310 , SRC311 , SRC312 , SRC313 , SRC314 , SRC315 , SRC316 , SRC317 , SRC318 , SRC319 , SRC320 , SRC321 , SRC322 , SRC323 , SRC324 , SRC325 , SRC326 , SRC327 , SRC328 , SRC329 , SRC330 , SRC331 , SRC332 , SRC333 , SRC334 , SRC335 , SRC336 , SRC337 , SRC338 , SRC339 , SRC340 , SRC341 , SRC342 , SRC343 , SRC344 , SRC345 , SRC346 , SRC347 , SRC348 , SRC349 , SRC350 , SRC351 , SRC352 , SRC353 , SRC354 , SRC355 , SRC356 , SRC357 , SRC359 , SRC360 , SRC361 , SRC362 , SRC363 , SRC364 , SRC365 , SRC366 , SRC371 , SRC372 , SRC373 , SRC377 , SRC378 , SRC379 , SRC393 , SRC394 , SRC395 , SRC396 , SRC397 , SRC398 , SRC415 , SRC416 , SRC6 , SRC8 , SRC9 ,

CONC RURAL FLAT DFAULT

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

(386598.0,	3835745.0,	0.0,	0.0);	(386695.0,	3835733.0,	0.0,	0.0);
(386695.0,	3835647.0,	0.0,	0.0);	(386682.0,	3835573.0,	0.0,	0.0);
(386598.0,	3835558.0,	0.0,	0.0);	(386575.0,	3835647.0,	0.0,	0.0);
(386809.2,	3835875.0,	0.0,	0.0);	(386859.2,	3835875.0,	0.0,	0.0);
(386909.2,	3835875.0,	0.0,	0.0);	(386959.2,	3835875.0,	0.0,	0.0);
(387009.2,	3835875.0,	0.0,	0.0);	(387059.2,	3835875.0,	0.0,	0.0);
(387109.2,	3835875.0,	0.0,	0.0);	(387159.2,	3835875.0,	0.0,	0.0);
(387209.2,	3835875.0,	0.0,	0.0);	(386809.2,	3835925.0,	0.0,	0.0);
(386859.2,	3835925.0,	0.0,	0.0);	(386909.2,	3835925.0,	0.0,	0.0);
(386959.2,	3835925.0,	0.0,	0.0);	(387009.2,	3835925.0,	0.0,	0.0);
(387059.2,	3835925.0,	0.0,	0.0);	(387109.2,	3835925.0,	0.0,	0.0);
(387159.2,	3835925.0,	0.0,	0.0);	(387209.2,	3835925.0,	0.0,	0.0);
(386809.2,	3835975.0,	0.0,	0.0);	(386859.2,	3835975.0,	0.0,	0.0);
(386909.2,	3835975.0,	0.0,	0.0);	(386959.2,	3835975.0,	0.0,	0.0);
(387009.2,	3835975.0,	0.0,	0.0);	(387059.2,	3835975.0,	0.0,	0.0);
(387109.2,	3835975.0,	0.0,	0.0);	(387159.2,	3835975.0,	0.0,	0.0);
(387209.2,	3835975.0,	0.0,	0.0);	(386809.2,	3836025.0,	0.0,	0.0);
(386859.2,	3836025.0,	0.0,	0.0);	(386909.2,	3836025.0,	0.0,	0.0);
(386959.2,	3836025.0,	0.0,	0.0);	(387009.2,	3836025.0,	0.0,	0.0);
(387059.2,	3836025.0,	0.0,	0.0);	(387109.2,	3836025.0,	0.0,	0.0);
(387159.2,	3836025.0,	0.0,	0.0);	(387209.2,	3836025.0,	0.0,	0.0);
(386809.2,	3836075.0,	0.0,	0.0);	(386859.2,	3836075.0,	0.0,	0.0);
(386909.2,	3836075.0,	0.0,	0.0);	(386959.2,	3836075.0,	0.0,	0.0);
(387009.2,	3836075.0,	0.0,	0.0);	(387059.2,	3836075.0,	0.0,	0.0);
(387109.2,	3836075.0,	0.0,	0.0);	(387159.2,	3836075.0,	0.0,	0.0);
(387209.2,	3836075.0,	0.0,	0.0);	(386809.2,	3836125.0,	0.0,	0.0);
(386859.2,	3836125.0,	0.0,	0.0);	(386909.2,	3836125.0,	0.0,	0.0);
(386959.2,	3836125.0,	0.0,	0.0);	(387009.2,	3836125.0,	0.0,	0.0);
(387059.2,	3836125.0,	0.0,	0.0);	(387109.2,	3836125.0,	0.0,	0.0);
(387159.2,	3836125.0,	0.0,	0.0);	(387209.2,	3836125.0,	0.0,	0.0);
(386809.2,	3836175.0,	0.0,	0.0);	(386859.2,	3836175.0,	0.0,	0.0);
(386909.2,	3836175.0,	0.0,	0.0);	(386959.2,	3836175.0,	0.0,	0.0);
(387009.2,	3836175.0,	0.0,	0.0);	(387059.2,	3836175.0,	0.0,	0.0);
(387109.2,	3836175.0,	0.0,	0.0);	(387159.2,	3836175.0,	0.0,	0.0);
(387209.2,	3836175.0,	0.0,	0.0);	(386809.2,	3836225.0,	0.0,	0.0);
(386859.2,	3836225.0,	0.0,	0.0);	(386909.2,	3836225.0,	0.0,	0.0);
(386959.2,	3836225.0,	0.0,	0.0);	(387009.2,	3836225.0,	0.0,	0.0);
(387059.2,	3836225.0,	0.0,	0.0);	(387109.2,	3836225.0,	0.0,	0.0);
(387159.2,	3836225.0,	0.0,	0.0);	(387209.2,	3836225.0,	0.0,	0.0);
(386809.2,	3836275.0,	0.0,	0.0);	(386859.2,	3836275.0,	0.0,	0.0);
(386909.2,	3836275.0,	0.0,	0.0);	(386959.2,	3836275.0,	0.0,	0.0);
(387009.2,	3836275.0,	0.0,	0.0);	(387059.2,	3836275.0,	0.0,	0.0);
(387109.2,	3836275.0,	0.0,	0.0);	(387159.2,	3836275.0,	0.0,	0.0);
(387209.2,	3836275.0,	0.0,	0.0);	(386809.2,	3836325.0,	0.0,	0.0);
(386859.2,	3836325.0,	0.0,	0.0);	(386909.2,	3836325.0,	0.0,	0.0);

CONC RURAL FLAT DFAULT

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

(386959.2,	3836325.0,	0.0,	0.0);	(387009.2,	3836325.0,	0.0,	0.0);
(387059.2,	3836325.0,	0.0,	0.0);	(387109.2,	3836325.0,	0.0,	0.0);
(387159.2,	3836325.0,	0.0,	0.0);	(387209.2,	3836325.0,	0.0,	0.0);
(386809.2,	3836375.0,	0.0,	0.0);	(386859.2,	3836375.0,	0.0,	0.0);
(386909.2,	3836375.0,	0.0,	0.0);	(386959.2,	3836375.0,	0.0,	0.0);
(387009.2,	3836375.0,	0.0,	0.0);	(387059.2,	3836375.0,	0.0,	0.0);
(387109.2,	3836375.0,	0.0,	0.0);	(387159.2,	3836375.0,	0.0,	0.0);
(387209.2,	3836375.0,	0.0,	0.0);	(386809.2,	3836425.0,	0.0,	0.0);
(386859.2,	3836425.0,	0.0,	0.0);	(386909.2,	3836425.0,	0.0,	0.0);
(386959.2,	3836425.0,	0.0,	0.0);	(387009.2,	3836425.0,	0.0,	0.0);
(387059.2,	3836425.0,	0.0,	0.0);	(387109.2,	3836425.0,	0.0,	0.0);
(387159.2,	3836425.0,	0.0,	0.0);	(387209.2,	3836425.0,	0.0,	0.0);
(386809.2,	3836475.0,	0.0,	0.0);	(386859.2,	3836475.0,	0.0,	0.0);
(386909.2,	3836475.0,	0.0,	0.0);	(386959.2,	3836475.0,	0.0,	0.0);
(387009.2,	3836475.0,	0.0,	0.0);	(387059.2,	3836475.0,	0.0,	0.0);
(387109.2,	3836475.0,	0.0,	0.0);	(387159.2,	3836475.0,	0.0,	0.0);
(387209.2,	3836475.0,	0.0,	0.0);	(386809.2,	3836525.0,	0.0,	0.0);
(386859.2,	3836525.0,	0.0,	0.0);	(386909.2,	3836525.0,	0.0,	0.0);
(386959.2,	3836525.0,	0.0,	0.0);	(387009.2,	3836525.0,	0.0,	0.0);
(387059.2,	3836525.0,	0.0,	0.0);	(387109.2,	3836525.0,	0.0,	0.0);
(387159.2,	3836525.0,	0.0,	0.0);	(387209.2,	3836525.0,	0.0,	0.0);
(386809.2,	3836575.0,	0.0,	0.0);	(386859.2,	3836575.0,	0.0,	0.0);
(386909.2,	3836575.0,	0.0,	0.0);	(386959.2,	3836575.0,	0.0,	0.0);
(387009.2,	3836575.0,	0.0,	0.0);	(387059.2,	3836575.0,	0.0,	0.0);
(387109.2,	3836575.0,	0.0,	0.0);	(387159.2,	3836575.0,	0.0,	0.0);
(387209.2,	3836575.0,	0.0,	0.0);	(386809.2,	3836625.0,	0.0,	0.0);
(386859.2,	3836625.0,	0.0,	0.0);	(386909.2,	3836625.0,	0.0,	0.0);
(386959.2,	3836625.0,	0.0,	0.0);	(387009.2,	3836625.0,	0.0,	0.0);
(387059.2,	3836625.0,	0.0,	0.0);	(387109.2,	3836625.0,	0.0,	0.0);
(387159.2,	3836625.0,	0.0,	0.0);	(387209.2,	3836625.0,	0.0,	0.0);
(386809.2,	3836675.0,	0.0,	0.0);	(386859.2,	3836675.0,	0.0,	0.0);
(386909.2,	3836675.0,	0.0,	0.0);	(386959.2,	3836675.0,	0.0,	0.0);
(387009.2,	3836675.0,	0.0,	0.0);	(387059.2,	3836675.0,	0.0,	0.0);
(387109.2,	3836675.0,	0.0,	0.0);	(387159.2,	3836675.0,	0.0,	0.0);
(387209.2,	3836675.0,	0.0,	0.0);	(385966.1,	3836279.0,	0.0,	0.0);
(386016.1,	3836279.0,	0.0,	0.0);	(386066.1,	3836279.0,	0.0,	0.0);
(386116.1,	3836279.0,	0.0,	0.0);	(386166.1,	3836279.0,	0.0,	0.0);
(386216.1,	3836279.0,	0.0,	0.0);	(386266.1,	3836279.0,	0.0,	0.0);
(386316.1,	3836279.0,	0.0,	0.0);	(386366.1,	3836279.0,	0.0,	0.0);
(386416.1,	3836279.0,	0.0,	0.0);	(386466.1,	3836279.0,	0.0,	0.0);
(386516.1,	3836279.0,	0.0,	0.0);	(386566.1,	3836279.0,	0.0,	0.0);
(386616.1,	3836279.0,	0.0,	0.0);	(386666.1,	3836279.0,	0.0,	0.0);
(386716.1,	3836279.0,	0.0,	0.0);	(386766.1,	3836279.0,	0.0,	0.0);
(385966.1,	3836329.0,	0.0,	0.0);	(386016.1,	3836329.0,	0.0,	0.0);
(386066.1,	3836329.0,	0.0,	0.0);	(386116.1,	3836329.0,	0.0,	0.0);

CONC RURAL FLAT DFAULT

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

(386166.1,	3836329.0,	0.0,	0.0);	(386216.1,	3836329.0,	0.0,	0.0);
(386266.1,	3836329.0,	0.0,	0.0);	(386316.1,	3836329.0,	0.0,	0.0);
(386366.1,	3836329.0,	0.0,	0.0);	(386416.1,	3836329.0,	0.0,	0.0);
(386466.1,	3836329.0,	0.0,	0.0);	(386516.1,	3836329.0,	0.0,	0.0);
(386566.1,	3836329.0,	0.0,	0.0);	(386616.1,	3836329.0,	0.0,	0.0);
(386666.1,	3836329.0,	0.0,	0.0);	(386716.1,	3836329.0,	0.0,	0.0);
(386766.1,	3836329.0,	0.0,	0.0);	(385966.1,	3836379.0,	0.0,	0.0);
(386016.1,	3836379.0,	0.0,	0.0);	(386066.1,	3836379.0,	0.0,	0.0);
(386116.1,	3836379.0,	0.0,	0.0);	(386166.1,	3836379.0,	0.0,	0.0);
(386216.1,	3836379.0,	0.0,	0.0);	(386266.1,	3836379.0,	0.0,	0.0);
(386316.1,	3836379.0,	0.0,	0.0);	(386366.1,	3836379.0,	0.0,	0.0);
(386416.1,	3836379.0,	0.0,	0.0);	(386466.1,	3836379.0,	0.0,	0.0);
(386516.1,	3836379.0,	0.0,	0.0);	(386566.1,	3836379.0,	0.0,	0.0);
(386616.1,	3836379.0,	0.0,	0.0);	(386666.1,	3836379.0,	0.0,	0.0);
(386716.1,	3836379.0,	0.0,	0.0);	(386766.1,	3836379.0,	0.0,	0.0);
(385966.1,	3836429.0,	0.0,	0.0);	(386016.1,	3836429.0,	0.0,	0.0);
(386066.1,	3836429.0,	0.0,	0.0);	(386116.1,	3836429.0,	0.0,	0.0);
(386166.1,	3836429.0,	0.0,	0.0);	(386216.1,	3836429.0,	0.0,	0.0);
(386266.1,	3836429.0,	0.0,	0.0);	(386316.1,	3836429.0,	0.0,	0.0);
(386366.1,	3836429.0,	0.0,	0.0);	(386416.1,	3836429.0,	0.0,	0.0);
(386466.1,	3836429.0,	0.0,	0.0);	(386516.1,	3836429.0,	0.0,	0.0);
(386566.1,	3836429.0,	0.0,	0.0);	(386616.1,	3836429.0,	0.0,	0.0);
(386666.1,	3836429.0,	0.0,	0.0);	(386716.1,	3836429.0,	0.0,	0.0);
(386766.1,	3836429.0,	0.0,	0.0);	(385966.1,	3836479.0,	0.0,	0.0);
(386016.1,	3836479.0,	0.0,	0.0);	(386066.1,	3836479.0,	0.0,	0.0);
(386116.1,	3836479.0,	0.0,	0.0);	(386166.1,	3836479.0,	0.0,	0.0);
(386216.1,	3836479.0,	0.0,	0.0);	(386266.1,	3836479.0,	0.0,	0.0);
(386316.1,	3836479.0,	0.0,	0.0);	(386366.1,	3836479.0,	0.0,	0.0);
(386416.1,	3836479.0,	0.0,	0.0);	(386466.1,	3836479.0,	0.0,	0.0);
(386516.1,	3836479.0,	0.0,	0.0);	(386566.1,	3836479.0,	0.0,	0.0);
(386616.1,	3836479.0,	0.0,	0.0);	(386666.1,	3836479.0,	0.0,	0.0);
(386716.1,	3836479.0,	0.0,	0.0);	(386766.1,	3836479.0,	0.0,	0.0);
(385966.1,	3836529.0,	0.0,	0.0);	(386016.1,	3836529.0,	0.0,	0.0);
(386066.1,	3836529.0,	0.0,	0.0);	(386116.1,	3836529.0,	0.0,	0.0);
(386166.1,	3836529.0,	0.0,	0.0);	(386216.1,	3836529.0,	0.0,	0.0);
(386266.1,	3836529.0,	0.0,	0.0);	(386316.1,	3836529.0,	0.0,	0.0);
(386366.1,	3836529.0,	0.0,	0.0);	(386416.1,	3836529.0,	0.0,	0.0);
(386466.1,	3836529.0,	0.0,	0.0);	(386516.1,	3836529.0,	0.0,	0.0);
(386566.1,	3836529.0,	0.0,	0.0);	(386616.1,	3836529.0,	0.0,	0.0);
(386666.1,	3836529.0,	0.0,	0.0);	(386716.1,	3836529.0,	0.0,	0.0);
(386766.1,	3836529.0,	0.0,	0.0);	(385966.1,	3836579.0,	0.0,	0.0);
(386016.1,	3836579.0,	0.0,	0.0);	(386066.1,	3836579.0,	0.0,	0.0);
(386116.1,	3836579.0,	0.0,	0.0);	(386166.1,	3836579.0,	0.0,	0.0);
(386216.1,	3836579.0,	0.0,	0.0);	(386266.1,	3836579.0,	0.0,	0.0);
(386316.1,	3836579.0,	0.0,	0.0);	(386366.1,	3836579.0,	0.0,	0.0);

CONC RURAL FLAT DFAULT

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

(386416.1,	3836579.0,	0.0,	0.0);	(386466.1,	3836579.0,	0.0,	0.0);
(386516.1,	3836579.0,	0.0,	0.0);	(386566.1,	3836579.0,	0.0,	0.0);
(386616.1,	3836579.0,	0.0,	0.0);	(386666.1,	3836579.0,	0.0,	0.0);
(386716.1,	3836579.0,	0.0,	0.0);	(386766.1,	3836579.0,	0.0,	0.0);
(385966.1,	3836629.0,	0.0,	0.0);	(386016.1,	3836629.0,	0.0,	0.0);
(386066.1,	3836629.0,	0.0,	0.0);	(386116.1,	3836629.0,	0.0,	0.0);
(386166.1,	3836629.0,	0.0,	0.0);	(386216.1,	3836629.0,	0.0,	0.0);
(386266.1,	3836629.0,	0.0,	0.0);	(386316.1,	3836629.0,	0.0,	0.0);
(386366.1,	3836629.0,	0.0,	0.0);	(386416.1,	3836629.0,	0.0,	0.0);
(386466.1,	3836629.0,	0.0,	0.0);	(386516.1,	3836629.0,	0.0,	0.0);
(386566.1,	3836629.0,	0.0,	0.0);	(386616.1,	3836629.0,	0.0,	0.0);
(386666.1,	3836629.0,	0.0,	0.0);	(386716.1,	3836629.0,	0.0,	0.0);
(386766.1,	3836629.0,	0.0,	0.0);	(385966.1,	3836679.0,	0.0,	0.0);
(386016.1,	3836679.0,	0.0,	0.0);	(386066.1,	3836679.0,	0.0,	0.0);
(386116.1,	3836679.0,	0.0,	0.0);	(386166.1,	3836679.0,	0.0,	0.0);
(386216.1,	3836679.0,	0.0,	0.0);	(386266.1,	3836679.0,	0.0,	0.0);
(386316.1,	3836679.0,	0.0,	0.0);	(386366.1,	3836679.0,	0.0,	0.0);
(386416.1,	3836679.0,	0.0,	0.0);	(386466.1,	3836679.0,	0.0,	0.0);
(386516.1,	3836679.0,	0.0,	0.0);	(386566.1,	3836679.0,	0.0,	0.0);
(386616.1,	3836679.0,	0.0,	0.0);	(386666.1,	3836679.0,	0.0,	0.0);
(386716.1,	3836679.0,	0.0,	0.0);	(386766.1,	3836679.0,	0.0,	0.0);
(385966.1,	3835879.0,	0.0,	0.0);	(386016.1,	3835879.0,	0.0,	0.0);
(386066.1,	3835879.0,	0.0,	0.0);	(386116.1,	3835879.0,	0.0,	0.0);
(386166.1,	3835879.0,	0.0,	0.0);	(386216.1,	3835879.0,	0.0,	0.0);
(386266.1,	3835879.0,	0.0,	0.0);	(386316.1,	3835879.0,	0.0,	0.0);
(386366.1,	3835879.0,	0.0,	0.0);	(385966.1,	3835929.0,	0.0,	0.0);
(386016.1,	3835929.0,	0.0,	0.0);	(386066.1,	3835929.0,	0.0,	0.0);
(386116.1,	3835929.0,	0.0,	0.0);	(386166.1,	3835929.0,	0.0,	0.0);
(386216.1,	3835929.0,	0.0,	0.0);	(386266.1,	3835929.0,	0.0,	0.0);
(386316.1,	3835929.0,	0.0,	0.0);	(386366.1,	3835929.0,	0.0,	0.0);
(385966.1,	3835979.0,	0.0,	0.0);	(386016.1,	3835979.0,	0.0,	0.0);
(386066.1,	3835979.0,	0.0,	0.0);	(386116.1,	3835979.0,	0.0,	0.0);
(386166.1,	3835979.0,	0.0,	0.0);	(386216.1,	3835979.0,	0.0,	0.0);
(386266.1,	3835979.0,	0.0,	0.0);	(386316.1,	3835979.0,	0.0,	0.0);
(386366.1,	3835979.0,	0.0,	0.0);	(385966.1,	3836029.0,	0.0,	0.0);
(386016.1,	3836029.0,	0.0,	0.0);	(386066.1,	3836029.0,	0.0,	0.0);
(386116.1,	3836029.0,	0.0,	0.0);	(386166.1,	3836029.0,	0.0,	0.0);
(386216.1,	3836029.0,	0.0,	0.0);	(386266.1,	3836029.0,	0.0,	0.0);
(386316.1,	3836029.0,	0.0,	0.0);	(386366.1,	3836029.0,	0.0,	0.0);
(385966.1,	3836079.0,	0.0,	0.0);	(386016.1,	3836079.0,	0.0,	0.0);
(386066.1,	3836079.0,	0.0,	0.0);	(386116.1,	3836079.0,	0.0,	0.0);
(386166.1,	3836079.0,	0.0,	0.0);	(386216.1,	3836079.0,	0.0,	0.0);
(386266.1,	3836079.0,	0.0,	0.0);	(386316.1,	3836079.0,	0.0,	0.0);
(386366.1,	3836079.0,	0.0,	0.0);	(385966.1,	3836129.0,	0.0,	0.0);
(386016.1,	3836129.0,	0.0,	0.0);	(386066.1,	3836129.0,	0.0,	0.0);

CONC RURAL FLAT DFAULT

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

(	386116.1,	3836129.0,	0.0, 0.0);	(	386166.1,	3836129.0,	0.0, 0.0);
(	386216.1,	3836129.0,	0.0, 0.0);	(	386266.1,	3836129.0,	0.0, 0.0);
(	386316.1,	3836129.0,	0.0, 0.0);	(	386366.1,	3836129.0,	0.0, 0.0);
(	385966.1,	3836179.0,	0.0, 0.0);	(	386016.1,	3836179.0,	0.0, 0.0);
(	386066.1,	3836179.0,	0.0, 0.0);	(	386116.1,	3836179.0,	0.0, 0.0);
(	386166.1,	3836179.0,	0.0, 0.0);	(	386216.1,	3836179.0,	0.0, 0.0);
(	386266.1,	3836179.0,	0.0, 0.0);	(	386316.1,	3836179.0,	0.0, 0.0);
(	386366.1,	3836179.0,	0.0, 0.0);	(	385966.1,	3836229.0,	0.0, 0.0);
(	386016.1,	3836229.0,	0.0, 0.0);	(	386066.1,	3836229.0,	0.0, 0.0);
(	386116.1,	3836229.0,	0.0, 0.0);	(	386166.1,	3836229.0,	0.0, 0.0);
(	386216.1,	3836229.0,	0.0, 0.0);	(	386266.1,	3836229.0,	0.0, 0.0);
(	386316.1,	3836229.0,	0.0, 0.0);	(	386366.1,	3836229.0,	0.0, 0.0);
(	387186.1,	3835503.0,	0.0, 0.0);	(	387186.1,	3835553.0,	0.0, 0.0);
(	387186.1,	3835603.0,	0.0, 0.0);	(	387186.1,	3835653.0,	0.0, 0.0);
(	387186.1,	3835703.0,	0.0, 0.0);	(	387186.1,	3835753.0,	0.0, 0.0);
(	387186.1,	3835803.0,	0.0, 0.0);	(	387186.1,	3835853.0,	0.0, 0.0);
(	387294.0,	3835014.8,	0.0, 0.0);	(	387861.5,	3835863.2,	0.0, 0.0);
(	386809.2,	3835475.0,	0.0, 0.0);	(	386859.2,	3835475.0,	0.0, 0.0);
(	386909.2,	3835475.0,	0.0, 0.0);	(	386959.2,	3835475.0,	0.0, 0.0);
(	387009.2,	3835475.0,	0.0, 0.0);	(	387059.2,	3835475.0,	0.0, 0.0);
(	387109.2,	3835475.0,	0.0, 0.0);	(	387159.2,	3835475.0,	0.0, 0.0);
(	387209.2,	3835475.0,	0.0, 0.0);	(	386809.2,	3835525.0,	0.0, 0.0);
(	386859.2,	3835525.0,	0.0, 0.0);	(	386909.2,	3835525.0,	0.0, 0.0);
(	386959.2,	3835525.0,	0.0, 0.0);	(	387009.2,	3835525.0,	0.0, 0.0);
(	387059.2,	3835525.0,	0.0, 0.0);	(	387109.2,	3835525.0,	0.0, 0.0);
(	387159.2,	3835525.0,	0.0, 0.0);	(	387209.2,	3835525.0,	0.0, 0.0);
(	386809.2,	3835575.0,	0.0, 0.0);	(	386859.2,	3835575.0,	0.0, 0.0);
(	386909.2,	3835575.0,	0.0, 0.0);	(	386959.2,	3835575.0,	0.0, 0.0);
(	387009.2,	3835575.0,	0.0, 0.0);	(	387059.2,	3835575.0,	0.0, 0.0);
(	387109.2,	3835575.0,	0.0, 0.0);	(	387159.2,	3835575.0,	0.0, 0.0);
(	387209.2,	3835575.0,	0.0, 0.0);	(	386809.2,	3835625.0,	0.0, 0.0);
(	386859.2,	3835625.0,	0.0, 0.0);	(	386909.2,	3835625.0,	0.0, 0.0);
(	386959.2,	3835625.0,	0.0, 0.0);	(	387009.2,	3835625.0,	0.0, 0.0);
(	387059.2,	3835625.0,	0.0, 0.0);	(	387109.2,	3835625.0,	0.0, 0.0);
(	387159.2,	3835625.0,	0.0, 0.0);	(	387209.2,	3835625.0,	0.0, 0.0);
(	386809.2,	3835675.0,	0.0, 0.0);	(	386859.2,	3835675.0,	0.0, 0.0);
(	386909.2,	3835675.0,	0.0, 0.0);	(	386959.2,	3835675.0,	0.0, 0.0);
(	387009.2,	3835675.0,	0.0, 0.0);	(	387059.2,	3835675.0,	0.0, 0.0);
(	387109.2,	3835675.0,	0.0, 0.0);	(	387159.2,	3835675.0,	0.0, 0.0);
(	387209.2,	3835675.0,	0.0, 0.0);	(	386809.2,	3835725.0,	0.0, 0.0);
(	386859.2,	3835725.0,	0.0, 0.0);	(	386909.2,	3835725.0,	0.0, 0.0);
(	386959.2,	3835725.0,	0.0, 0.0);	(	387009.2,	3835725.0,	0.0, 0.0);
(	387059.2,	3835725.0,	0.0, 0.0);	(	387109.2,	3835725.0,	0.0, 0.0);
(	387159.2,	3835725.0,	0.0, 0.0);	(	387209.2,	3835725.0,	0.0, 0.0);
(	386809.2,	3835775.0,	0.0, 0.0);	(	386859.2,	3835775.0,	0.0, 0.0);

CONC RURAL FLAT DFAULT

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

(386909.2,	3835775.0,	0.0,	0.0);	(386959.2,	3835775.0,	0.0,	0.0);
(387009.2,	3835775.0,	0.0,	0.0);	(387059.2,	3835775.0,	0.0,	0.0);
(387109.2,	3835775.0,	0.0,	0.0);	(387159.2,	3835775.0,	0.0,	0.0);
(387209.2,	3835775.0,	0.0,	0.0);	(386809.2,	3835825.0,	0.0,	0.0);
(386859.2,	3835825.0,	0.0,	0.0);	(386909.2,	3835825.0,	0.0,	0.0);
(386959.2,	3835825.0,	0.0,	0.0);	(387009.2,	3835825.0,	0.0,	0.0);
(387059.2,	3835825.0,	0.0,	0.0);	(387109.2,	3835825.0,	0.0,	0.0);
(387159.2,	3835825.0,	0.0,	0.0);	(387209.2,	3835825.0,	0.0,	0.0);
(386412.9,	3835453.0,	0.0,	0.0);	(386462.9,	3835453.0,	0.0,	0.0);
(386512.9,	3835453.0,	0.0,	0.0);	(386562.9,	3835453.0,	0.0,	0.0);
(386612.9,	3835453.0,	0.0,	0.0);	(386662.9,	3835453.0,	0.0,	0.0);
(386712.9,	3835453.0,	0.0,	0.0);	(386762.9,	3835453.0,	0.0,	0.0);
(386812.9,	3835453.0,	0.0,	0.0);	(386836.9,	3835453.0,	0.0,	0.0);
(386886.9,	3835453.0,	0.0,	0.0);	(386936.9,	3835453.0,	0.0,	0.0);
(386391.4,	3836254.0,	0.0,	0.0);	(386768.2,	3836251.0,	0.0,	0.0);
(386774.3,	3836244.2,	0.0,	0.0);	(386774.3,	3836161.2,	0.0,	0.0);
(386768.7,	3836126.5,	0.0,	0.0);	(386768.7,	3835887.0,	0.0,	0.0);
(386756.4,	3835874.8,	0.0,	0.0);	(386391.4,	3835873.8,	0.0,	0.0);
(386391.4,	3835954.2,	0.0,	0.0);				

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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 1981 1 1 1
AND END DATE: 1981 12 31 24

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

CONC RURAL FLAT DFAULT

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

FILE: C:\CAJA MODELING\MET FILES\LANCASTR.ASC
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 51117 UPPER AIR STATION NO.: 99999
NAME: UNKNOWN NAME: UNKNOWN
YEAR: 1981 YEAR: 1981

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
81	01	01	01	134.8	1.00	285.9	7	522.6	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	02	169.9	1.00	284.8	7	507.0	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	03	197.5	1.00	284.8	7	491.4	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	04	233.5	1.00	284.8	7	475.8	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	05	129.0	1.00	285.4	7	460.3	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	06	94.5	1.00	284.3	7	444.7	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	07	4.5	1.00	284.3	7	429.1	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	08	179.6	1.00	284.3	6	43.0	190.2	0.0000	0.0	0.0000	0	0.00
81	01	01	09	299.0	1.00	287.6	5	89.2	211.8	0.0000	0.0	0.0000	0	0.00
81	01	01	10	189.1	1.00	291.5	4	135.3	233.4	0.0000	0.0	0.0000	0	0.00
81	01	01	11	134.1	1.00	297.0	3	181.5	255.1	0.0000	0.0	0.0000	0	0.00
81	01	01	12	193.1	1.00	298.7	2	227.7	276.7	0.0000	0.0	0.0000	0	0.00
81	01	01	13	199.7	0.00	299.3	2	273.8	298.4	0.0000	0.0	0.0000	0	0.00
81	01	01	14	259.2	1.00	299.3	2	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	15	314.8	1.00	298.7	2	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	16	323.2	0.00	297.6	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	17	335.1	1.34	294.8	4	325.5	325.5	0.0000	0.0	0.0000	0	0.00
81	01	01	18	187.6	1.00	293.1	5	357.1	310.3	0.0000	0.0	0.0000	0	0.00
81	01	01	19	358.0	1.00	290.9	6	388.7	302.1	0.0000	0.0	0.0000	0	0.00
81	01	01	20	33.2	1.00	289.8	7	420.3	293.9	0.0000	0.0	0.0000	0	0.00
81	01	01	21	111.1	1.00	289.3	7	451.9	285.7	0.0000	0.0	0.0000	0	0.00
81	01	01	22	47.0	1.00	287.6	7	483.5	277.4	0.0000	0.0	0.0000	0	0.00
81	01	01	23	270.7	1.00	287.6	7	515.1	269.2	0.0000	0.0	0.0000	0	0.00
81	01	01	24	292.2	1.00	287.6	7	546.7	261.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

 CONC RURAL FLAT DFAULT

 *** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): SRC278 , SRC279 , SRC280 , SRC281 , SRC282 , SRC283 , SRC284 ,
 SRC285 , SRC286 , SRC287 , SRC288 , SRC289 , SRC290 , SRC291 , SRC292 , SRC293 , SRC294 , SRC295 , SRC296 ,
 SRC297 , SRC298 , SRC299 , SRC300 , SRC301 , SRC302 , SRC303 , SRC304 , SRC305 , SRC306 , SRC307 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386598.00	3835745.00	0.00229	386695.00	3835733.00	0.00326
386695.00	3835647.00	0.00204	386682.00	3835573.00	0.00133
386598.00	3835558.00	0.00129	386575.00	3835647.00	0.00157
386809.19	3835875.00	0.00632	386859.19	3835875.00	0.00647
386909.19	3835875.00	0.00612	386959.19	3835875.00	0.00556
387009.19	3835875.00	0.00508	387059.19	3835875.00	0.00474
387109.19	3835875.00	0.00442	387159.19	3835875.00	0.00413
387209.19	3835875.00	0.00387	386809.19	3835925.00	0.00761
386859.19	3835925.00	0.00687	386909.19	3835925.00	0.00629
386959.19	3835925.00	0.00588	387009.19	3835925.00	0.00548
387059.19	3835925.00	0.00511	387109.19	3835925.00	0.00475
387159.19	3835925.00	0.00441	387209.19	3835925.00	0.00410
386809.19	3835975.00	0.00830	386859.19	3835975.00	0.00755
386909.19	3835975.00	0.00688	386959.19	3835975.00	0.00629
387009.19	3835975.00	0.00577	387059.19	3835975.00	0.00533
387109.19	3835975.00	0.00496	387159.19	3835975.00	0.00464
387209.19	3835975.00	0.00436	386809.19	3836025.00	0.00863
386859.19	3836025.00	0.00779	386909.19	3836025.00	0.00713
386959.19	3836025.00	0.00658	387009.19	3836025.00	0.00608
387059.19	3836025.00	0.00563	387109.19	3836025.00	0.00521
387159.19	3836025.00	0.00482	387209.19	3836025.00	0.00447
386809.19	3836075.00	0.00919	386859.19	3836075.00	0.00822
386909.19	3836075.00	0.00742	386959.19	3836075.00	0.00676
387009.19	3836075.00	0.00619	387059.19	3836075.00	0.00569
387109.19	3836075.00	0.00525	387159.19	3836075.00	0.00485
387209.19	3836075.00	0.00449	386809.19	3836125.00	0.00869
386859.19	3836125.00	0.00799	386909.19	3836125.00	0.00733
386959.19	3836125.00	0.00670	387009.19	3836125.00	0.00613
387059.19	3836125.00	0.00563	387109.19	3836125.00	0.00518
387159.19	3836125.00	0.00478	387209.19	3836125.00	0.00443
386809.19	3836175.00	0.00757	386859.19	3836175.00	0.00692
386909.19	3836175.00	0.00642	386959.19	3836175.00	0.00602
387009.19	3836175.00	0.00568	387059.19	3836175.00	0.00536
387109.19	3836175.00	0.00504	387159.19	3836175.00	0.00472
387209.19	3836175.00	0.00440	386809.19	3836225.00	0.00656
386859.19	3836225.00	0.00609	386909.19	3836225.00	0.00568
386959.19	3836225.00	0.00533	387009.19	3836225.00	0.00502
387059.19	3836225.00	0.00473	387109.19	3836225.00	0.00447
387159.19	3836225.00	0.00424	387209.19	3836225.00	0.00403
386809.19	3836275.00	0.00516	386859.19	3836275.00	0.00493

CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC278 , SRC279 , SRC280 , SRC281 , SRC282 , SRC283 , SRC284 ,
SRC285 , SRC286 , SRC287 , SRC288 , SRC289 , SRC290 , SRC291 , SRC292 , SRC293 , SRC294 , SRC295 , SRC296 ,
SRC297 , SRC298 , SRC299 , SRC300 , SRC301 , SRC302 , SRC303 , SRC304 , SRC305 , SRC306 , SRC307 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386909.19	3836275.00	0.00470	386959.19	3836275.00	0.00440
387009.19	3836275.00	0.00414	387059.19	3836275.00	0.00397
387109.19	3836275.00	0.00383	387159.19	3836275.00	0.00371
387209.19	3836275.00	0.00357	386809.19	3836325.00	0.00400
386859.19	3836325.00	0.00423	386909.19	3836325.00	0.00408
386959.19	3836325.00	0.00383	387009.19	3836325.00	0.00363
387059.19	3836325.00	0.00340	387109.19	3836325.00	0.00318
387159.19	3836325.00	0.00302	387209.19	3836325.00	0.00291
386809.19	3836375.00	0.00301	386859.19	3836375.00	0.00323
386909.19	3836375.00	0.00349	386959.19	3836375.00	0.00359
387009.19	3836375.00	0.00336	387059.19	3836375.00	0.00312
387109.19	3836375.00	0.00294	387159.19	3836375.00	0.00274
387209.19	3836375.00	0.00256	386809.19	3836425.00	0.00171
386859.19	3836425.00	0.00228	386909.19	3836425.00	0.00268
386959.19	3836425.00	0.00283	387009.19	3836425.00	0.00308
387059.19	3836425.00	0.00305	387109.19	3836425.00	0.00282
387159.19	3836425.00	0.00262	387209.19	3836425.00	0.00246
386809.19	3836475.00	0.00129	386859.19	3836475.00	0.00138
386909.19	3836475.00	0.00173	386959.19	3836475.00	0.00218
387009.19	3836475.00	0.00237	387059.19	3836475.00	0.00255
387109.19	3836475.00	0.00269	387159.19	3836475.00	0.00260
387209.19	3836475.00	0.00241	386809.19	3836525.00	0.00114
386859.19	3836525.00	0.00111	386909.19	3836525.00	0.00117
386959.19	3836525.00	0.00136	387009.19	3836525.00	0.00173
387059.19	3836525.00	0.00199	387109.19	3836525.00	0.00213
387159.19	3836525.00	0.00229	387209.19	3836525.00	0.00234
386809.19	3836575.00	0.00114	386859.19	3836575.00	0.00102
386909.19	3836575.00	0.00098	386959.19	3836575.00	0.00101
387009.19	3836575.00	0.00112	387059.19	3836575.00	0.00137
387109.19	3836575.00	0.00165	387159.19	3836575.00	0.00181
387209.19	3836575.00	0.00195	386809.19	3836625.00	0.00115
386859.19	3836625.00	0.00101	386909.19	3836625.00	0.00091
386959.19	3836625.00	0.00086	387009.19	3836625.00	0.00089
387059.19	3836625.00	0.00096	387109.19	3836625.00	0.00111
387159.19	3836625.00	0.00135	387209.19	3836625.00	0.00154
386809.19	3836675.00	0.00112	386859.19	3836675.00	0.00103
386909.19	3836675.00	0.00091	386959.19	3836675.00	0.00081
387009.19	3836675.00	0.00077	387059.19	3836675.00	0.00079
387109.19	3836675.00	0.00084	387159.19	3836675.00	0.00094
387209.19	3836675.00	0.00111	385966.09	3836279.00	0.00129

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC278 , SRC279 , SRC280 , SRC281 , SRC282 , SRC283 , SRC284 ,
SRC285 , SRC286 , SRC287 , SRC288 , SRC289 , SRC290 , SRC291 , SRC292 , SRC293 , SRC294 , SRC295 , SRC296 ,
SRC297 , SRC298 , SRC299 , SRC300 , SRC301 , SRC302 , SRC303 , SRC304 , SRC305 , SRC306 , SRC307 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386016.09	3836279.00	0.00143	386066.09	3836279.00	0.00161
386116.09	3836279.00	0.00182	386166.09	3836279.00	0.00196
386216.09	3836279.00	0.00217	386266.09	3836279.00	0.00258
386316.09	3836279.00	0.00307	386366.09	3836279.00	0.00324
386416.09	3836279.00	0.00391	386466.09	3836279.00	0.00333
386516.09	3836279.00	0.00292	386566.09	3836279.00	0.00288
386616.09	3836279.00	0.00368	386666.09	3836279.00	0.00472
386716.09	3836279.00	0.00487	386766.09	3836279.00	0.00498
385966.09	3836329.00	0.00126	386016.09	3836329.00	0.00144
386066.09	3836329.00	0.00158	386116.09	3836329.00	0.00165
386166.09	3836329.00	0.00181	386216.09	3836329.00	0.00198
386266.09	3836329.00	0.00236	386316.09	3836329.00	0.00268
386366.09	3836329.00	0.00273	386416.09	3836329.00	0.00320
386466.09	3836329.00	0.00284	386516.09	3836329.00	0.00238
386566.09	3836329.00	0.00218	386616.09	3836329.00	0.00210
386666.09	3836329.00	0.00244	386716.09	3836329.00	0.00322
386766.09	3836329.00	0.00378	385966.09	3836379.00	0.00131
386016.09	3836379.00	0.00137	386066.09	3836379.00	0.00147
386116.09	3836379.00	0.00158	386166.09	3836379.00	0.00165
386216.09	3836379.00	0.00194	386266.09	3836379.00	0.00233
386316.09	3836379.00	0.00233	386366.09	3836379.00	0.00246
386416.09	3836379.00	0.00280	386466.09	3836379.00	0.00254
386516.09	3836379.00	0.00215	386566.09	3836379.00	0.00197
386616.09	3836379.00	0.00184	386666.09	3836379.00	0.00169
386716.09	3836379.00	0.00185	386766.09	3836379.00	0.00225
385966.09	3836429.00	0.00122	386016.09	3836429.00	0.00131
386066.09	3836429.00	0.00140	386116.09	3836429.00	0.00143
386166.09	3836429.00	0.00157	386216.09	3836429.00	0.00189
386266.09	3836429.00	0.00217	386316.09	3836429.00	0.00207
386366.09	3836429.00	0.00233	386416.09	3836429.00	0.00257
386466.09	3836429.00	0.00232	386516.09	3836429.00	0.00202
386566.09	3836429.00	0.00177	386616.09	3836429.00	0.00168
386666.09	3836429.00	0.00161	386716.09	3836429.00	0.00144
386766.09	3836429.00	0.00151	385966.09	3836479.00	0.00118
386016.09	3836479.00	0.00125	386066.09	3836479.00	0.00127
386116.09	3836479.00	0.00134	386166.09	3836479.00	0.00165
386216.09	3836479.00	0.00199	386266.09	3836479.00	0.00201
386316.09	3836479.00	0.00194	386366.09	3836479.00	0.00222
386416.09	3836479.00	0.00241	386466.09	3836479.00	0.00216
386516.09	3836479.00	0.00199	386566.09	3836479.00	0.00168

CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC278 , SRC279 , SRC280 , SRC281 , SRC282 , SRC283 , SRC284 ,
SRC285 , SRC286 , SRC287 , SRC288 , SRC289 , SRC290 , SRC291 , SRC292 , SRC293 , SRC294 , SRC295 , SRC296 ,
SRC297 , SRC298 , SRC299 , SRC300 , SRC301 , SRC302 , SRC303 , SRC304 , SRC305 , SRC306 , SRC307 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386616.09	3836479.00	0.00159	386666.09	3836479.00	0.00152
386716.09	3836479.00	0.00142	386766.09	3836479.00	0.00127
385966.09	3836529.00	0.00112	386016.09	3836529.00	0.00114
386066.09	3836529.00	0.00119	386116.09	3836529.00	0.00138
386166.09	3836529.00	0.00165	386216.09	3836529.00	0.00190
386266.09	3836529.00	0.00183	386316.09	3836529.00	0.00188
386366.09	3836529.00	0.00212	386416.09	3836529.00	0.00229
386466.09	3836529.00	0.00205	386516.09	3836529.00	0.00197
386566.09	3836529.00	0.00161	386616.09	3836529.00	0.00149
386666.09	3836529.00	0.00142	386716.09	3836529.00	0.00139
386766.09	3836529.00	0.00126	385966.09	3836579.00	0.00103
386016.09	3836579.00	0.00108	386066.09	3836579.00	0.00115
386116.09	3836579.00	0.00142	386166.09	3836579.00	0.00173
386216.09	3836579.00	0.00180	386266.09	3836579.00	0.00168
386316.09	3836579.00	0.00185	386366.09	3836579.00	0.00202
386416.09	3836579.00	0.00218	386466.09	3836579.00	0.00197
386516.09	3836579.00	0.00193	386566.09	3836579.00	0.00156
386616.09	3836579.00	0.00143	386666.09	3836579.00	0.00134
386716.09	3836579.00	0.00131	386766.09	3836579.00	0.00126
385966.09	3836629.00	0.00098	386016.09	3836629.00	0.00099
386066.09	3836629.00	0.00122	386116.09	3836629.00	0.00147
386166.09	3836629.00	0.00167	386216.09	3836629.00	0.00166
386266.09	3836629.00	0.00159	386316.09	3836629.00	0.00182
386366.09	3836629.00	0.00192	386416.09	3836629.00	0.00207
386466.09	3836629.00	0.00190	386516.09	3836629.00	0.00185
386566.09	3836629.00	0.00155	386616.09	3836629.00	0.00136
386666.09	3836629.00	0.00128	386716.09	3836629.00	0.00122
386766.09	3836629.00	0.00122	385966.09	3836679.00	0.00089
386016.09	3836679.00	0.00103	386066.09	3836679.00	0.00126
386116.09	3836679.00	0.00150	386166.09	3836679.00	0.00161
386216.09	3836679.00	0.00150	386266.09	3836679.00	0.00153
386316.09	3836679.00	0.00176	386366.09	3836679.00	0.00182
386416.09	3836679.00	0.00196	386466.09	3836679.00	0.00183
386516.09	3836679.00	0.00173	386566.09	3836679.00	0.00154
386616.09	3836679.00	0.00129	386666.09	3836679.00	0.00124
386716.09	3836679.00	0.00114	386766.09	3836679.00	0.00114
385966.09	3835879.00	0.00116	386016.09	3835879.00	0.00129
386066.09	3835879.00	0.00143	386116.09	3835879.00	0.00153
386166.09	3835879.00	0.00172	386216.09	3835879.00	0.00184
386266.09	3835879.00	0.00219	386316.09	3835879.00	0.00257

CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC278 , SRC279 , SRC280 , SRC281 , SRC282 , SRC283 , SRC284 ,
SRC285 , SRC286 , SRC287 , SRC288 , SRC289 , SRC290 , SRC291 , SRC292 , SRC293 , SRC294 , SRC295 , SRC296 ,
SRC297 , SRC298 , SRC299 , SRC300 , SRC301 , SRC302 , SRC303 , SRC304 , SRC305 , SRC306 , SRC307 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386366.09	3835879.00	0.00358	385966.09	3835929.00	0.00128
386016.09	3835929.00	0.00143	386066.09	3835929.00	0.00165
386116.09	3835929.00	0.00191	386166.09	3835929.00	0.00215
386216.09	3835929.00	0.00249	386266.09	3835929.00	0.00287
386316.09	3835929.00	0.00345	386366.09	3835929.00	0.00476
385966.09	3835979.00	0.00146	386016.09	3835979.00	0.00168
386066.09	3835979.00	0.00192	386116.09	3835979.00	0.00221
386166.09	3835979.00	0.00265	386216.09	3835979.00	0.00329
386266.09	3835979.00	0.00416	386316.09	3835979.00	0.00521
386366.09	3835979.00	0.00637	385966.09	3836029.00	0.00163
386016.09	3836029.00	0.00189	386066.09	3836029.00	0.00223
386116.09	3836029.00	0.00273	386166.09	3836029.00	0.00340
386216.09	3836029.00	0.00435	386266.09	3836029.00	0.00580
386316.09	3836029.00	0.00780	386366.09	3836029.00	0.00970
385966.09	3836079.00	0.00165	386016.09	3836079.00	0.00191
386066.09	3836079.00	0.00223	386116.09	3836079.00	0.00266
386166.09	3836079.00	0.00327	386216.09	3836079.00	0.00423
386266.09	3836079.00	0.00568	386316.09	3836079.00	0.00729
386366.09	3836079.00	0.00712	385966.09	3836129.00	0.00170
386016.09	3836129.00	0.00195	386066.09	3836129.00	0.00227
386116.09	3836129.00	0.00267	386166.09	3836129.00	0.00328
386216.09	3836129.00	0.00420	386266.09	3836129.00	0.00556
386316.09	3836129.00	0.00762	386366.09	3836129.00	0.01000
385966.09	3836179.00	0.00143	386016.09	3836179.00	0.00162
386066.09	3836179.00	0.00190	386116.09	3836179.00	0.00223
386166.09	3836179.00	0.00267	386216.09	3836179.00	0.00320
386266.09	3836179.00	0.00390	386316.09	3836179.00	0.00467
386366.09	3836179.00	0.00470	385966.09	3836229.00	0.00138
386016.09	3836229.00	0.00155	386066.09	3836229.00	0.00175
386116.09	3836229.00	0.00191	386166.09	3836229.00	0.00222
386216.09	3836229.00	0.00252	386266.09	3836229.00	0.00285
386316.09	3836229.00	0.00349	386366.09	3836229.00	0.00417
387186.09	3835503.00	0.00158	387186.09	3835553.00	0.00207
387186.09	3835603.00	0.00270	387186.09	3835653.00	0.00321
387186.09	3835703.00	0.00355	387186.09	3835753.00	0.00371
387186.09	3835803.00	0.00374	387186.09	3835853.00	0.00390
387294.00	3835014.75	0.00088	387861.50	3835863.25	0.00200
386809.19	3835475.00	0.00138	386859.19	3835475.00	0.00166
386909.19	3835475.00	0.00182	386959.19	3835475.00	0.00180
387009.19	3835475.00	0.00168	387059.19	3835475.00	0.00154

CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC278 , SRC279 , SRC280 , SRC281 , SRC282 , SRC283 , SRC284 ,
SRC285 , SRC286 , SRC287 , SRC288 , SRC289 , SRC290 , SRC291 , SRC292 , SRC293 , SRC294 , SRC295 , SRC296 ,
SRC297 , SRC298 , SRC299 , SRC300 , SRC301 , SRC302 , SRC303 , SRC304 , SRC305 , SRC306 , SRC307 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
387109.19	3835475.00	0.00145	387159.19	3835475.00	0.00140
387209.19	3835475.00	0.00145	386809.19	3835525.00	0.00176
386859.19	3835525.00	0.00199	386909.19	3835525.00	0.00201
386959.19	3835525.00	0.00187	387009.19	3835525.00	0.00173
387059.19	3835525.00	0.00163	387109.19	3835525.00	0.00160
387159.19	3835525.00	0.00168	387209.19	3835525.00	0.00185
386809.19	3835575.00	0.00215	386859.19	3835575.00	0.00225
386909.19	3835575.00	0.00211	386959.19	3835575.00	0.00196
387009.19	3835575.00	0.00186	387059.19	3835575.00	0.00185
387109.19	3835575.00	0.00200	387159.19	3835575.00	0.00223
387209.19	3835575.00	0.00244	386809.19	3835625.00	0.00254
386859.19	3835625.00	0.00239	386909.19	3835625.00	0.00225
386959.19	3835625.00	0.00215	387009.19	3835625.00	0.00218
387059.19	3835625.00	0.00242	387109.19	3835625.00	0.00270
387159.19	3835625.00	0.00289	387209.19	3835625.00	0.00298
386809.19	3835675.00	0.00275	386859.19	3835675.00	0.00262
386909.19	3835675.00	0.00252	386959.19	3835675.00	0.00265
387009.19	3835675.00	0.00300	387059.19	3835675.00	0.00325
387109.19	3835675.00	0.00336	387159.19	3835675.00	0.00340
387209.19	3835675.00	0.00334	386809.19	3835725.00	0.00309
386859.19	3835725.00	0.00303	386909.19	3835725.00	0.00332
386959.19	3835725.00	0.00370	387009.19	3835725.00	0.00384
387059.19	3835725.00	0.00389	387109.19	3835725.00	0.00387
387159.19	3835725.00	0.00375	387209.19	3835725.00	0.00355
386809.19	3835775.00	0.00379	386859.19	3835775.00	0.00424
386909.19	3835775.00	0.00445	386959.19	3835775.00	0.00447
387009.19	3835775.00	0.00452	387059.19	3835775.00	0.00446
387109.19	3835775.00	0.00421	387159.19	3835775.00	0.00388
387209.19	3835775.00	0.00357	386809.19	3835825.00	0.00530
386859.19	3835825.00	0.00522	386909.19	3835825.00	0.00530
386959.19	3835825.00	0.00534	387009.19	3835825.00	0.00505
387059.19	3835825.00	0.00461	387109.19	3835825.00	0.00423
387159.19	3835825.00	0.00394	387209.19	3835825.00	0.00370
386412.91	3835453.00	0.00118	386462.91	3835453.00	0.00105
386512.91	3835453.00	0.00094	386562.91	3835453.00	0.00116
386612.91	3835453.00	0.00107	386662.91	3835453.00	0.00108
386712.91	3835453.00	0.00101	386762.91	3835453.00	0.00104
386812.91	3835453.00	0.00126	386836.91	3835453.00	0.00140
386886.91	3835453.00	0.00164	386936.91	3835453.00	0.00175
386391.41	3836254.00	0.00402	386768.19	3836251.00	0.00592

CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC278 , SRC279 , SRC280 , SRC281 , SRC282 , SRC283 , SRC284 ,
SRC285 , SRC286 , SRC287 , SRC288 , SRC289 , SRC290 , SRC291 , SRC292 , SRC293 , SRC294 , SRC295 , SRC296 ,
SRC297 , SRC298 , SRC299 , SRC300 , SRC301 , SRC302 , SRC303 , SRC304 , SRC305 , SRC306 , SRC307 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386774.31	3836244.25	0.00611	386774.31	3836161.25	0.00833
386768.69	3836126.50	0.00926	386768.69	3835887.00	0.00660
386756.41	3835874.75	0.00639	386391.41	3835873.75	0.00446
386391.41	3835954.25	0.00758			

CONC RURAL FLAT DFAULT

*** THE SUMMARY OF MAXIMUM ANNUAL (1 YRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.01000 AT (386366.09, 3836129.00, 0.00, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.00970 AT (386366.09, 3836029.00, 0.00, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.00926 AT (386768.69, 3836126.50, 0.00, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.00919 AT (386809.19, 3836075.00, 0.00, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.00869 AT (386809.19, 3836125.00, 0.00, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.00863 AT (386809.19, 3836025.00, 0.00, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.00833 AT (386774.31, 3836161.25, 0.00, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.00830 AT (386809.19, 3835975.00, 0.00, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.00822 AT (386859.19, 3836075.00, 0.00, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.00799 AT (386859.19, 3836125.00, 0.00, 0.00)	DC	NA

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

 CONC RURAL FLAT DFAULT

 *** Message Summary : ISCST3 Model Execution ***

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

 A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)
 A Total of 717 Informational Message(s)

 A Total of 717 Calm Hours Identified

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

    ********   WARNING MESSAGES   ********
              *** NONE ***

    ****
    *** ISCST3 Finishes Successfully ***
    ****

ISCST3 - (DATED 02035)

ISCST3x VERSION 4.4.3

Run Began on 8/17/2007 at 8:01:22

** BREEZE ISC GIS Pro v5.2.1 - C:\CAJA Modeling\LRTC\GENERAL_ISC002.DAT
** Trinity Consultants

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CO STARTING
CO TITLEONE  AIR QUALITY ANALYSIS OF LANCASTER DEVELOPMENT PROJECT
CO TITLETWO  FOR CAJA
CO MODELOPT  DFAULT  CONC  RURAL
CO AVERTIME  ANNUAL
CO POLLUTID  OTHER
CO TERRHGTS  FLAT
CO RUNORNOT  RUN
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  SRC374  POINT  387122.9  3835581.5  0
** SRCDESCR  Idling Truck Stack 1 (Home Depot Loading)
SO LOCATION  SRC375  POINT  387126.0  3835492.8  0
** SRCDESCR  Idling Truck Stack 2 (Lumber Offloading)
SO LOCATION  SRC376  POINT  387132.9  3835654.2  0
** SRCDESCR  Idling Truck Stack 3 (Major Loading)
SO LOCATION  SRC64  VOLUME  387145.9  3835781.9  0
SO LOCATION  SRC65  VOLUME  387145.9  3835778.2  0
SO LOCATION  SRC66  VOLUME  387145.9  3835774.5  0
SO LOCATION  SRC67  VOLUME  387145.9  3835770.8  0
SO LOCATION  SRC68  VOLUME  387145.9  3835767.1  0
SO LOCATION  SRC69  VOLUME  387145.9  3835763.4  0
SO LOCATION  SRC70  VOLUME  387145.9  3835759.7  0
SO LOCATION  SRC71  VOLUME  387145.9  3835756.0  0
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SO LOCATION  SRC398  VOLUME  386433.3  3835994.0  0
SO LOCATION  SRC415  POINT  386419.3  3836133.3  0
** SRCDESCR  Idling Truck Stack 1 (Walmart-North Dock)
SO LOCATION  SRC416  POINT  386419.3  3836042.3  0
** SRCDESCR  Idling Truck Stack 2 (Walmart-South Dock)
SO LOCATION  SRC6  POINT  386433.8  3835950.8  0
** SRCDESCR  Idling Truck Stack 3 (Major 2 Loading Dock
SO LOCATION  SRC8  POINT  386419.3  3836132.7  0
** SRCDESCR  Transportation Refrigeration Unit (North)
SO LOCATION  SRC9  POINT  386419.3  3836043.3  0
** SRCDESCR  Transportation Refrigeration Unit (South)
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SO LOCATION  SRC3  VOLUME  387149.4  3835781.9  0
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SO SRCPARAM  SRC71  3.410000E-07  1.8288  1.70688  0.85344
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SO SRCPARAM  SRC357  2.250000E-07  1.8288  1.70688  0.85344
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SO SRCPARAM  SRC360  1.780000E-07  1.8288  1.70688  0.85344
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SO SRCPARAM  SRC372  1.780000E-07  1.8288  1.70688  0.85344
SO SRCPARAM  SRC373  1.780000E-07  1.8288  1.70688  0.85344
SO SRCPARAM  SRC377  1.780000E-07  1.8288  1.70688  0.85344
SO SRCPARAM  SRC378  1.780000E-07  1.8288  1.70688  0.85344
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SO SRCPARAM  SRC6  1.240000E-06  3.84048  366  50  0.1
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SO SRCPARAM  SRC9  2.200000E-04  3.9624  501  49  0.04445
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** RCPDESCR  Joe Walker Jr. Middle School (5632 W. Ave.
RE DISCCART  387861.5  3835863.2
** RCPDESCR  Christ Missionary Bible School (5310 W. Av
** BOUNDARY  BND2
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RE FINISHED

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ME ANEMHGHT  10  METERS
ME SURFDATA  51117  1981
ME UAIRDATA  99999  1981
ME STARTEND  1981  01  01  1  1981  12  31  24
ME FINISHED

OU STARTING
OU FINISHED

** PROJECTN  0 104 7 -177 0 0.9996 500000 0
** MAPLAYER "C:\CAJA MODELING\GRAPHICS\FIGURE 32.JPG" "FIGURE 32" 3 UNKNOWN UNKNOWN 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 1 386366.7 387669.98 3835014.68 3836238.16
** OUTFILE  "C:\CAJA Modeling\LRTC\GENERAL_ISC002.lst"
** RAWFILE  "C:\CAJA Modeling\LRTC\GENERAL_ISC002.RAW"
** RAWFMT  2
** AMPDATUM  0
** HILLBOUN  0 0 0 0


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

CONC RURAL FLAT DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Intermediate Terrain Processing is Selected

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

  -- SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION. DDPLETE = F
**Model Uses NO WET DEPLETION. WDPLETE = F
**NO WET SCAVENGING Data Provided.
**NO GAS DRY DEPOSITION Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
           1. Final Plume Rise.
           2. Stack-tip Downwash.
           3. Buoyancy-induced Dispersion.
           4. Use Calms Processing Routine.
           5. Not Use Missing Data Processing Routine.
           6. Default Wind Profile Exponents.
           7. Default Vertical Potential Temperature Gradients.
           8. "Upper Bound" Values for Supersquat Buildings.
           9. No Exponential Decay for RURAL Mode

**Model Assumes Receptors on FLAT Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates ANNUAL Averages Only

**This Run Includes: 298 Source(s);   1 Source Group(s); and   416 Receptor(s)

**The Model Assumes A Pollutant Type of: OTHER

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

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Anem. Hgt. (m) =   10.00 ;   Decay Coef. =   0.0000 ;   Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   1.5 MB of RAM.

**Input Runstream File: C:\CAJAMO~1\LRTC\GENERAL_ISC002.DAT
**Output Print File: C:\CAJAMO~1\LRTC\GENERAL_ISC002.LST

CONC RURAL FLAT DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
SRC374	0	0.14900E-04	387122.9	3835581.5	0.0	3.84	366.00	50.00	0.10	NO	
SRC375	0	0.14900E-04	387126.0	3835492.8	0.0	3.84	366.00	50.00	0.10	NO	
SRC376	0	0.14900E-04	387132.9	3835654.2	0.0	3.84	366.00	50.00	0.10	NO	
SRC415	0	0.62000E-05	386419.3	3836133.2	0.0	3.84	366.00	50.00	0.10	NO	
SRC416	0	0.62000E-05	386419.3	3836042.2	0.0	3.84	366.00	50.00	0.10	NO	
SRC6	0	0.12400E-05	386433.8	3835950.8	0.0	3.84	366.00	50.00	0.10	NO	
SRC8	0	0.22000E-03	386419.3	3836132.8	0.0	3.96	501.00	49.00	0.04	NO	
SRC9	0	0.22000E-03	386419.3	3836043.2	0.0	3.96	501.00	49.00	0.04	NO	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC64	0	0.34100E-06	387145.9	3835782.0	0.0	1.83	1.71	0.85	
SRC65	0	0.34100E-06	387145.9	3835778.2	0.0	1.83	1.71	0.85	
SRC66	0	0.34100E-06	387145.9	3835774.5	0.0	1.83	1.71	0.85	
SRC67	0	0.34100E-06	387145.9	3835770.8	0.0	1.83	1.71	0.85	
SRC68	0	0.34100E-06	387145.9	3835767.0	0.0	1.83	1.71	0.85	
SRC69	0	0.34100E-06	387145.9	3835763.5	0.0	1.83	1.71	0.85	
SRC70	0	0.34100E-06	387145.9	3835759.8	0.0	1.83	1.71	0.85	
SRC71	0	0.34100E-06	387145.9	3835756.0	0.0	1.83	1.71	0.85	
SRC72	0	0.34100E-06	387145.9	3835752.2	0.0	1.83	1.71	0.85	
SRC73	0	0.34100E-06	387145.9	3835748.5	0.0	1.83	1.71	0.85	
SRC74	0	0.34100E-06	387145.9	3835745.0	0.0	1.83	1.71	0.85	
SRC75	0	0.34100E-06	387145.9	3835741.2	0.0	1.83	1.71	0.85	
SRC76	0	0.34100E-06	387145.9	3835737.5	0.0	1.83	1.71	0.85	
SRC77	0	0.34100E-06	387145.9	3835733.8	0.0	1.83	1.71	0.85	
SRC78	0	0.34100E-06	387145.9	3835730.0	0.0	1.83	1.71	0.85	
SRC79	0	0.34100E-06	387145.9	3835726.5	0.0	1.83	1.71	0.85	
SRC80	0	0.34100E-06	387145.9	3835722.8	0.0	1.83	1.71	0.85	
SRC81	0	0.34100E-06	387145.9	3835719.0	0.0	1.83	1.71	0.85	
SRC82	0	0.34100E-06	387145.9	3835715.2	0.0	1.83	1.71	0.85	
SRC83	0	0.34100E-06	387145.9	3835711.5	0.0	1.83	1.71	0.85	
SRC84	0	0.34100E-06	387145.9	3835708.0	0.0	1.83	1.71	0.85	
SRC85	0	0.34100E-06	387145.9	3835704.2	0.0	1.83	1.71	0.85	
SRC86	0	0.34100E-06	387145.9	3835700.5	0.0	1.83	1.71	0.85	
SRC87	0	0.34100E-06	387145.9	3835696.8	0.0	1.83	1.71	0.85	
SRC88	0	0.34100E-06	387145.9	3835693.0	0.0	1.83	1.71	0.85	
SRC89	0	0.34100E-06	387145.9	3835689.5	0.0	1.83	1.71	0.85	
SRC90	0	0.34100E-06	387145.9	3835685.8	0.0	1.83	1.71	0.85	
SRC91	0	0.34100E-06	387145.9	3835682.0	0.0	1.83	1.71	0.85	
SRC92	0	0.34100E-06	387145.9	3835678.2	0.0	1.83	1.71	0.85	
SRC93	0	0.34100E-06	387145.9	3835674.5	0.0	1.83	1.71	0.85	
SRC94	0	0.34100E-06	387145.9	3835671.0	0.0	1.83	1.71	0.85	
SRC95	0	0.34100E-06	387145.9	3835667.2	0.0	1.83	1.71	0.85	
SRC96	0	0.34100E-06	387145.9	3835663.5	0.0	1.83	1.71	0.85	
SRC97	0	0.34100E-06	387145.9	3835659.8	0.0	1.83	1.71	0.85	
SRC98	0	0.34100E-06	387145.9	3835656.0	0.0	1.83	1.71	0.85	
SRC99	0	0.34100E-06	387145.9	3835652.5	0.0	1.83	1.71	0.85	
SRC100	0	0.34100E-06	387145.9	3835648.8	0.0	1.83	1.71	0.85	
SRC101	0	0.34100E-06	387145.9	3835645.0	0.0	1.83	1.71	0.85	
SRC102	0	0.34100E-06	387145.9	3835641.2	0.0	1.83	1.71	0.85	
SRC103	0	0.34100E-06	387145.9	3835637.5	0.0	1.83	1.71	0.85	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC104	0	0.34100E-06	387145.9	3835634.0	0.0	1.83	1.71	0.85	
SRC105	0	0.34100E-06	387145.9	3835630.2	0.0	1.83	1.71	0.85	
SRC106	0	0.34100E-06	387145.9	3835626.5	0.0	1.83	1.71	0.85	
SRC107	0	0.34100E-06	387145.9	3835622.8	0.0	1.83	1.71	0.85	
SRC108	0	0.34100E-06	387145.9	3835619.0	0.0	1.83	1.71	0.85	
SRC109	0	0.34100E-06	387145.9	3835615.5	0.0	1.83	1.71	0.85	
SRC110	0	0.34100E-06	387145.9	3835611.8	0.0	1.83	1.71	0.85	
SRC111	0	0.34100E-06	387145.9	3835608.0	0.0	1.83	1.71	0.85	
SRC112	0	0.34100E-06	387145.9	3835604.2	0.0	1.83	1.71	0.85	
SRC113	0	0.34100E-06	387145.9	3835600.5	0.0	1.83	1.71	0.85	
SRC114	0	0.34100E-06	387145.9	3835597.0	0.0	1.83	1.71	0.85	
SRC115	0	0.34100E-06	387145.9	3835593.2	0.0	1.83	1.71	0.85	
SRC116	0	0.34100E-06	387145.9	3835589.5	0.0	1.83	1.71	0.85	
SRC117	0	0.34100E-06	387145.9	3835585.8	0.0	1.83	1.71	0.85	
SRC118	0	0.34100E-06	387145.9	3835582.0	0.0	1.83	1.71	0.85	
SRC119	0	0.34100E-06	387145.9	3835578.5	0.0	1.83	1.71	0.85	
SRC120	0	0.34100E-06	387145.9	3835574.8	0.0	1.83	1.71	0.85	
SRC121	0	0.34100E-06	387145.9	3835571.0	0.0	1.83	1.71	0.85	
SRC122	0	0.34100E-06	387145.9	3835567.2	0.0	1.83	1.71	0.85	
SRC123	0	0.34100E-06	387145.9	3835563.5	0.0	1.83	1.71	0.85	
SRC124	0	0.34100E-06	387145.9	3835560.0	0.0	1.83	1.71	0.85	
SRC125	0	0.34100E-06	387145.9	3835556.2	0.0	1.83	1.71	0.85	
SRC126	0	0.34100E-06	387145.9	3835552.5	0.0	1.83	1.71	0.85	
SRC127	0	0.34100E-06	387145.9	3835548.8	0.0	1.83	1.71	0.85	
SRC128	0	0.34100E-06	387145.9	3835545.0	0.0	1.83	1.71	0.85	
SRC129	0	0.34100E-06	387145.9	3835541.5	0.0	1.83	1.71	0.85	
SRC130	0	0.34100E-06	387145.9	3835537.8	0.0	1.83	1.71	0.85	
SRC131	0	0.34100E-06	387145.9	3835534.0	0.0	1.83	1.71	0.85	
SRC132	0	0.34100E-06	387145.9	3835530.2	0.0	1.83	1.71	0.85	
SRC133	0	0.34100E-06	387145.9	3835526.5	0.0	1.83	1.71	0.85	
SRC134	0	0.34100E-06	387145.9	3835523.0	0.0	1.83	1.71	0.85	
SRC135	0	0.34100E-06	387142.2	3835622.8	0.0	1.83	1.71	0.85	
SRC136	0	0.34100E-06	387138.5	3835622.8	0.0	1.83	1.71	0.85	
SRC137	0	0.34100E-06	387134.8	3835622.8	0.0	1.83	1.71	0.85	
SRC138	0	0.34100E-06	387131.1	3835622.8	0.0	1.83	1.71	0.85	
SRC139	0	0.34100E-06	387127.4	3835622.8	0.0	1.83	1.71	0.85	
SRC140	0	0.34100E-06	387123.7	3835622.8	0.0	1.83	1.71	0.85	
SRC155	0	0.34100E-06	387142.2	3835534.0	0.0	1.83	1.71	0.85	
SRC156	0	0.34100E-06	387138.5	3835534.0	0.0	1.83	1.71	0.85	
SRC157	0	0.34100E-06	387134.8	3835534.0	0.0	1.83	1.71	0.85	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC158	0	0.34100E-06	387131.1	3835534.0	0.0	1.83	1.71	0.85	
SRC159	0	0.34100E-06	387127.4	3835534.0	0.0	1.83	1.71	0.85	
SRC160	0	0.34100E-06	387123.7	3835534.0	0.0	1.83	1.71	0.85	
SRC172	0	0.34100E-06	387134.8	3835519.2	0.0	1.83	1.71	0.85	
SRC173	0	0.34100E-06	387138.5	3835519.2	0.0	1.83	1.71	0.85	
SRC174	0	0.34100E-06	387142.2	3835519.2	0.0	1.83	1.71	0.85	
SRC175	0	0.34100E-06	387134.8	3835519.2	0.0	1.83	1.71	0.85	
SRC176	0	0.34100E-06	387134.8	3835515.5	0.0	1.83	1.71	0.85	
SRC177	0	0.34100E-06	387134.8	3835511.8	0.0	1.83	1.71	0.85	
SRC178	0	0.34100E-06	387134.8	3835508.0	0.0	1.83	1.71	0.85	
SRC179	0	0.34100E-06	387134.8	3835504.5	0.0	1.83	1.71	0.85	
SRC180	0	0.34100E-06	387134.8	3835500.8	0.0	1.83	1.71	0.85	
SRC181	0	0.34100E-06	387134.8	3835497.0	0.0	1.83	1.71	0.85	
SRC182	0	0.34100E-06	387134.8	3835493.2	0.0	1.83	1.71	0.85	
SRC183	0	0.34100E-06	387134.8	3835489.5	0.0	1.83	1.71	0.85	
SRC184	0	0.34100E-06	387134.8	3835486.0	0.0	1.83	1.71	0.85	
SRC185	0	0.34100E-06	387134.8	3835482.2	0.0	1.83	1.71	0.85	
SRC186	0	0.34100E-06	387134.8	3835478.5	0.0	1.83	1.71	0.85	
SRC188	0	0.34100E-06	387131.1	3835478.5	0.0	1.83	1.71	0.85	
SRC189	0	0.34100E-06	387127.4	3835478.5	0.0	1.83	1.71	0.85	
SRC190	0	0.34100E-06	387123.7	3835478.5	0.0	1.83	1.71	0.85	
SRC191	0	0.34100E-06	387120.0	3835478.5	0.0	1.83	1.71	0.85	
SRC192	0	0.34100E-06	387116.3	3835478.5	0.0	1.83	1.71	0.85	
SRC193	0	0.34100E-06	387112.6	3835478.5	0.0	1.83	1.71	0.85	
SRC194	0	0.34100E-06	387108.9	3835478.5	0.0	1.83	1.71	0.85	
SRC195	0	0.34100E-06	387105.2	3835478.5	0.0	1.83	1.71	0.85	
SRC196	0	0.34100E-06	387101.5	3835478.5	0.0	1.83	1.71	0.85	
SRC197	0	0.34100E-06	387097.8	3835478.5	0.0	1.83	1.71	0.85	
SRC198	0	0.34100E-06	387094.1	3835478.5	0.0	1.83	1.71	0.85	
SRC199	0	0.34100E-06	387090.4	3835478.5	0.0	1.83	1.71	0.85	
SRC200	0	0.34100E-06	387086.7	3835478.5	0.0	1.83	1.71	0.85	
SRC201	0	0.34100E-06	387083.0	3835478.5	0.0	1.83	1.71	0.85	
SRC202	0	0.34100E-06	387079.3	3835478.5	0.0	1.83	1.71	0.85	
SRC203	0	0.34100E-06	387075.6	3835478.5	0.0	1.83	1.71	0.85	
SRC204	0	0.34100E-06	387071.9	3835478.5	0.0	1.83	1.71	0.85	
SRC205	0	0.34100E-06	387068.2	3835478.5	0.0	1.83	1.71	0.85	
SRC206	0	0.34100E-06	387064.5	3835478.5	0.0	1.83	1.71	0.85	
SRC207	0	0.34100E-06	387060.8	3835478.5	0.0	1.83	1.71	0.85	
SRC208	0	0.34100E-06	387057.1	3835478.5	0.0	1.83	1.71	0.85	
SRC209	0	0.34100E-06	387053.4	3835478.5	0.0	1.83	1.71	0.85	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC210	0	0.34100E-06	387049.7	3835478.5	0.0	1.83	1.71	0.85	
SRC211	0	0.34100E-06	387046.0	3835478.5	0.0	1.83	1.71	0.85	
SRC213	0	0.34100E-06	387042.3	3835478.5	0.0	1.83	1.71	0.85	
SRC214	0	0.34100E-06	387038.6	3835478.5	0.0	1.83	1.71	0.85	
SRC215	0	0.34100E-06	387034.9	3835478.5	0.0	1.83	1.71	0.85	
SRC216	0	0.34100E-06	387031.2	3835478.5	0.0	1.83	1.71	0.85	
SRC217	0	0.34100E-06	387027.5	3835478.5	0.0	1.83	1.71	0.85	
SRC218	0	0.34100E-06	387023.8	3835478.5	0.0	1.83	1.71	0.85	
SRC219	0	0.34100E-06	387020.1	3835478.5	0.0	1.83	1.71	0.85	
SRC220	0	0.34100E-06	387016.4	3835478.5	0.0	1.83	1.71	0.85	
SRC221	0	0.34100E-06	387012.7	3835478.5	0.0	1.83	1.71	0.85	
SRC222	0	0.34100E-06	387009.0	3835478.5	0.0	1.83	1.71	0.85	
SRC223	0	0.34100E-06	387005.3	3835478.5	0.0	1.83	1.71	0.85	
SRC224	0	0.34100E-06	387001.6	3835478.5	0.0	1.83	1.71	0.85	
SRC225	0	0.34100E-06	386997.9	3835478.5	0.0	1.83	1.71	0.85	
SRC226	0	0.34100E-06	386994.2	3835478.5	0.0	1.83	1.71	0.85	
SRC227	0	0.34100E-06	386990.5	3835478.5	0.0	1.83	1.71	0.85	
SRC228	0	0.34100E-06	386986.8	3835478.5	0.0	1.83	1.71	0.85	
SRC229	0	0.34100E-06	386983.1	3835478.5	0.0	1.83	1.71	0.85	
SRC230	0	0.34100E-06	386979.4	3835478.5	0.0	1.83	1.71	0.85	
SRC231	0	0.34100E-06	386975.7	3835478.5	0.0	1.83	1.71	0.85	
SRC232	0	0.34100E-06	386972.0	3835478.5	0.0	1.83	1.71	0.85	
SRC233	0	0.34100E-06	386968.3	3835478.5	0.0	1.83	1.71	0.85	
SRC234	0	0.34100E-06	386964.6	3835478.5	0.0	1.83	1.71	0.85	
SRC235	0	0.34100E-06	386960.9	3835478.5	0.0	1.83	1.71	0.85	
SRC236	0	0.34100E-06	386957.2	3835478.5	0.0	1.83	1.71	0.85	
SRC237	0	0.34100E-06	386953.5	3835478.5	0.0	1.83	1.71	0.85	
SRC238	0	0.34100E-06	386949.8	3835478.5	0.0	1.83	1.71	0.85	
SRC239	0	0.34100E-06	386946.1	3835478.5	0.0	1.83	1.71	0.85	
SRC240	0	0.34100E-06	386942.4	3835478.5	0.0	1.83	1.71	0.85	
SRC241	0	0.34100E-06	386938.7	3835478.5	0.0	1.83	1.71	0.85	
SRC242	0	0.34100E-06	386935.0	3835478.5	0.0	1.83	1.71	0.85	
SRC243	0	0.34100E-06	386931.3	3835478.5	0.0	1.83	1.71	0.85	
SRC244	0	0.34100E-06	386927.6	3835478.5	0.0	1.83	1.71	0.85	
SRC245	0	0.34100E-06	386923.9	3835478.5	0.0	1.83	1.71	0.85	
SRC246	0	0.34100E-06	386920.2	3835478.5	0.0	1.83	1.71	0.85	
SRC247	0	0.34100E-06	386916.5	3835478.5	0.0	1.83	1.71	0.85	
SRC248	0	0.34100E-06	386912.8	3835478.5	0.0	1.83	1.71	0.85	
SRC249	0	0.34100E-06	386909.1	3835478.5	0.0	1.83	1.71	0.85	
SRC250	0	0.34100E-06	386905.4	3835478.5	0.0	1.83	1.71	0.85	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC251	0	0.34100E-06	386901.7	3835478.5	0.0	1.83	1.71	0.85	
SRC252	0	0.34100E-06	386898.0	3835478.5	0.0	1.83	1.71	0.85	
SRC253	0	0.34100E-06	386894.3	3835478.5	0.0	1.83	1.71	0.85	
SRC254	0	0.34100E-06	386890.6	3835478.5	0.0	1.83	1.71	0.85	
SRC255	0	0.34100E-06	386886.9	3835478.5	0.0	1.83	1.71	0.85	
SRC256	0	0.34100E-06	386883.2	3835478.5	0.0	1.83	1.71	0.85	
SRC257	0	0.34100E-06	386879.5	3835478.5	0.0	1.83	1.71	0.85	
SRC258	0	0.34100E-06	386875.8	3835478.5	0.0	1.83	1.71	0.85	
SRC259	0	0.34100E-06	386872.1	3835478.5	0.0	1.83	1.71	0.85	
SRC260	0	0.34100E-06	386868.4	3835478.5	0.0	1.83	1.71	0.85	
SRC261	0	0.34100E-06	386864.7	3835478.5	0.0	1.83	1.71	0.85	
SRC262	0	0.34100E-06	386861.0	3835478.5	0.0	1.83	1.71	0.85	
SRC263	0	0.34100E-06	386857.3	3835478.5	0.0	1.83	1.71	0.85	
SRC264	0	0.34100E-06	386853.6	3835478.5	0.0	1.83	1.71	0.85	
SRC265	0	0.34100E-06	386849.9	3835478.5	0.0	1.83	1.71	0.85	
SRC266	0	0.34100E-06	386846.2	3835478.5	0.0	1.83	1.71	0.85	
SRC267	0	0.34100E-06	386842.5	3835478.5	0.0	1.83	1.71	0.85	
SRC268	0	0.34100E-06	386838.8	3835478.5	0.0	1.83	1.71	0.85	
SRC269	0	0.34100E-06	386835.1	3835478.5	0.0	1.83	1.71	0.85	
SRC270	0	0.34100E-06	386831.4	3835478.5	0.0	1.83	1.71	0.85	
SRC271	0	0.34100E-06	386827.7	3835478.5	0.0	1.83	1.71	0.85	
SRC272	0	0.34100E-06	386824.0	3835478.5	0.0	1.83	1.71	0.85	
SRC273	0	0.34100E-06	386820.3	3835478.5	0.0	1.83	1.71	0.85	
SRC274	0	0.34100E-06	386816.6	3835478.5	0.0	1.83	1.71	0.85	
SRC275	0	0.34100E-06	386812.9	3835478.5	0.0	1.83	1.71	0.85	
SRC276	0	0.34100E-06	386809.2	3835478.5	0.0	1.83	1.71	0.85	
SRC277	0	0.34100E-06	387145.9	3835519.2	0.0	1.83	1.71	0.85	
SRC278	0	0.17800E-06	386411.1	3836168.0	0.0	1.83	1.71	0.85	
SRC279	0	0.17800E-06	386411.1	3836164.2	0.0	1.83	1.71	0.85	
SRC280	0	0.17800E-06	386411.1	3836160.5	0.0	1.83	1.71	0.85	
SRC281	0	0.17800E-06	386411.1	3836156.8	0.0	1.83	1.71	0.85	
SRC282	0	0.17800E-06	386411.1	3836153.0	0.0	1.83	1.71	0.85	
SRC283	0	0.17800E-06	386411.1	3836149.5	0.0	1.83	1.71	0.85	
SRC284	0	0.17800E-06	386411.1	3836145.8	0.0	1.83	1.71	0.85	
SRC285	0	0.17800E-06	386411.1	3836142.0	0.0	1.83	1.71	0.85	
SRC286	0	0.17800E-06	386411.1	3836138.2	0.0	1.83	1.71	0.85	
SRC287	0	0.17800E-06	386411.1	3836134.5	0.0	1.83	1.71	0.85	
SRC288	0	0.17800E-06	386411.1	3836131.0	0.0	1.83	1.71	0.85	
SRC289	0	0.17800E-06	386411.1	3836127.2	0.0	1.83	1.71	0.85	
SRC290	0	0.17800E-06	386411.1	3836123.5	0.0	1.83	1.71	0.85	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC291	0	0.17800E-06	386411.1	3836119.8	0.0	1.83	1.71	0.85	
SRC292	0	0.17800E-06	386411.1	3836116.0	0.0	1.83	1.71	0.85	
SRC293	0	0.17800E-06	386411.1	3836112.5	0.0	1.83	1.71	0.85	
SRC294	0	0.17800E-06	386411.1	3836108.8	0.0	1.83	1.71	0.85	
SRC295	0	0.17800E-06	386411.1	3836105.0	0.0	1.83	1.71	0.85	
SRC296	0	0.17800E-06	386411.1	3836101.2	0.0	1.83	1.71	0.85	
SRC297	0	0.17800E-06	386411.1	3836097.5	0.0	1.83	1.71	0.85	
SRC298	0	0.17800E-06	386411.1	3836094.0	0.0	1.83	1.71	0.85	
SRC299	0	0.17800E-06	386411.1	3836090.2	0.0	1.83	1.71	0.85	
SRC300	0	0.17800E-06	386411.1	3836086.5	0.0	1.83	1.71	0.85	
SRC301	0	0.17800E-06	386411.1	3836082.8	0.0	1.83	1.71	0.85	
SRC302	0	0.17800E-06	386411.1	3836079.0	0.0	1.83	1.71	0.85	
SRC303	0	0.17800E-06	386411.1	3836075.5	0.0	1.83	1.71	0.85	
SRC304	0	0.17800E-06	386411.1	3836071.8	0.0	1.83	1.71	0.85	
SRC305	0	0.17800E-06	386411.1	3836068.0	0.0	1.83	1.71	0.85	
SRC306	0	0.17800E-06	386411.1	3836064.2	0.0	1.83	1.71	0.85	
SRC307	0	0.17800E-06	386411.1	3836060.5	0.0	1.83	1.71	0.85	
SRC308	0	0.17800E-06	386411.1	3836057.0	0.0	1.83	1.71	0.85	
SRC309	0	0.17800E-06	386411.1	3836053.2	0.0	1.83	1.71	0.85	
SRC310	0	0.17800E-06	386411.1	3836049.5	0.0	1.83	1.71	0.85	
SRC311	0	0.17800E-06	386411.1	3836045.8	0.0	1.83	1.71	0.85	
SRC312	0	0.17800E-06	386411.1	3836042.0	0.0	1.83	1.71	0.85	
SRC313	0	0.17800E-06	386411.1	3836038.5	0.0	1.83	1.71	0.85	
SRC314	0	0.17800E-06	386411.1	3836034.8	0.0	1.83	1.71	0.85	
SRC315	0	0.17800E-06	386411.1	3836031.0	0.0	1.83	1.71	0.85	
SRC316	0	0.17800E-06	386411.1	3836027.2	0.0	1.83	1.71	0.85	
SRC317	0	0.17800E-06	386411.1	3836023.5	0.0	1.83	1.71	0.85	
SRC318	0	0.17800E-06	386411.1	3836020.0	0.0	1.83	1.71	0.85	
SRC319	0	0.17800E-06	386411.1	3836016.2	0.0	1.83	1.71	0.85	
SRC320	0	0.17800E-06	386411.1	3836012.5	0.0	1.83	1.71	0.85	
SRC321	0	0.17800E-06	386411.1	3836008.8	0.0	1.83	1.71	0.85	
SRC322	0	0.17800E-06	386411.1	3836005.0	0.0	1.83	1.71	0.85	
SRC323	0	0.17800E-06	386411.1	3836001.5	0.0	1.83	1.71	0.85	
SRC324	0	0.17800E-06	386411.1	3835997.8	0.0	1.83	1.71	0.85	
SRC325	0	0.22500E-06	386411.1	3835994.0	0.0	1.83	1.71	0.85	
SRC326	0	0.22500E-06	386411.1	3835990.2	0.0	1.83	1.71	0.85	
SRC327	0	0.22500E-06	386411.1	3835986.5	0.0	1.83	1.71	0.85	
SRC328	0	0.22500E-06	386411.1	3835983.0	0.0	1.83	1.71	0.85	
SRC329	0	0.22500E-06	386411.1	3835979.2	0.0	1.83	1.71	0.85	
SRC330	0	0.22500E-06	386411.1	3835975.5	0.0	1.83	1.71	0.85	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC331	0	0.22500E-06	386411.1	3835971.8	0.0	1.83	1.71	0.85	
SRC332	0	0.22500E-06	386411.1	3835968.0	0.0	1.83	1.71	0.85	
SRC333	0	0.22500E-06	386411.1	3835964.5	0.0	1.83	1.71	0.85	
SRC334	0	0.22500E-06	386411.1	3835960.8	0.0	1.83	1.71	0.85	
SRC335	0	0.22500E-06	386411.1	3835957.0	0.0	1.83	1.71	0.85	
SRC336	0	0.22500E-06	386411.1	3835953.2	0.0	1.83	1.71	0.85	
SRC337	0	0.22500E-06	386411.1	3835949.5	0.0	1.83	1.71	0.85	
SRC338	0	0.22500E-06	386411.1	3835946.0	0.0	1.83	1.71	0.85	
SRC339	0	0.22500E-06	386411.1	3835942.2	0.0	1.83	1.71	0.85	
SRC340	0	0.22500E-06	386411.1	3835938.5	0.0	1.83	1.71	0.85	
SRC341	0	0.22500E-06	386411.1	3835934.8	0.0	1.83	1.71	0.85	
SRC342	0	0.22500E-06	386411.1	3835931.0	0.0	1.83	1.71	0.85	
SRC343	0	0.22500E-06	386411.1	3835927.5	0.0	1.83	1.71	0.85	
SRC344	0	0.22500E-06	386411.1	3835923.8	0.0	1.83	1.71	0.85	
SRC345	0	0.22500E-06	386411.1	3835920.0	0.0	1.83	1.71	0.85	
SRC346	0	0.22500E-06	386411.1	3835916.2	0.0	1.83	1.71	0.85	
SRC347	0	0.22500E-06	386411.1	3835912.5	0.0	1.83	1.71	0.85	
SRC348	0	0.22500E-06	386411.1	3835909.0	0.0	1.83	1.71	0.85	
SRC349	0	0.22500E-06	386411.1	3835905.2	0.0	1.83	1.71	0.85	
SRC350	0	0.22500E-06	386411.1	3835901.5	0.0	1.83	1.71	0.85	
SRC351	0	0.22500E-06	386411.1	3835897.8	0.0	1.83	1.71	0.85	
SRC352	0	0.22500E-06	386411.1	3835894.0	0.0	1.83	1.71	0.85	
SRC353	0	0.22500E-06	386411.1	3835890.5	0.0	1.83	1.71	0.85	
SRC354	0	0.22500E-06	386411.1	3835886.8	0.0	1.83	1.71	0.85	
SRC355	0	0.22500E-06	386411.1	3835883.0	0.0	1.83	1.71	0.85	
SRC356	0	0.22500E-06	386411.1	3835879.2	0.0	1.83	1.71	0.85	
SRC357	0	0.22500E-06	386411.1	3835875.5	0.0	1.83	1.71	0.85	
SRC359	0	0.17800E-06	386411.1	3836171.5	0.0	1.83	1.71	0.85	
SRC360	0	0.17800E-06	386411.1	3836175.2	0.0	1.83	1.71	0.85	
SRC361	0	0.17800E-06	386411.1	3836179.0	0.0	1.83	1.71	0.85	
SRC362	0	0.17800E-06	386411.1	3836182.8	0.0	1.83	1.71	0.85	
SRC363	0	0.17800E-06	386411.1	3836186.5	0.0	1.83	1.71	0.85	
SRC364	0	0.17800E-06	386411.1	3836190.0	0.0	1.83	1.71	0.85	
SRC365	0	0.17800E-06	386411.1	3836193.8	0.0	1.83	1.71	0.85	
SRC366	0	0.17800E-06	386411.1	3836197.5	0.0	1.83	1.71	0.85	
SRC371	0	0.17800E-06	386414.8	3836197.5	0.0	1.83	1.71	0.85	
SRC372	0	0.17800E-06	386418.5	3836197.5	0.0	1.83	1.71	0.85	
SRC373	0	0.17800E-06	386422.2	3836197.5	0.0	1.83	1.71	0.85	
SRC377	0	0.17800E-06	386425.9	3836197.5	0.0	1.83	1.71	0.85	
SRC378	0	0.17800E-06	386429.6	3836197.5	0.0	1.83	1.71	0.85	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
SRC379	0	0.17800E-06	386433.3	3836197.5	0.0	1.83	1.71	0.85	
SRC393	0	0.17800E-07	386414.8	3835994.0	0.0	1.83	1.71	0.85	
SRC394	0	0.17800E-07	386418.5	3835994.0	0.0	1.83	1.71	0.85	
SRC395	0	0.17800E-07	386422.2	3835994.0	0.0	1.83	1.71	0.85	
SRC396	0	0.17800E-07	386425.9	3835994.0	0.0	1.83	1.71	0.85	
SRC397	0	0.17800E-07	386429.6	3835994.0	0.0	1.83	1.71	0.85	
SRC398	0	0.17800E-07	386433.3	3835994.0	0.0	1.83	1.71	0.85	
SRC1	0	0.34100E-06	387156.8	3835782.0	0.0	1.83	1.71	0.85	
SRC2	0	0.34100E-06	387153.1	3835782.0	0.0	1.83	1.71	0.85	
SRC3	0	0.34100E-06	387149.4	3835782.0	0.0	1.83	1.71	0.85	

CONC RURAL FLAT DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	SRC374 , SRC375 , SRC376 , SRC64 , SRC65 , SRC66 , SRC67 , SRC68 , SRC69 , SRC70 , SRC71 , SRC72 ,
	SRC73 , SRC74 , SRC75 , SRC76 , SRC77 , SRC78 , SRC79 , SRC80 , SRC81 , SRC82 , SRC83 , SRC84 ,
	SRC85 , SRC86 , SRC87 , SRC88 , SRC89 , SRC90 , SRC91 , SRC92 , SRC93 , SRC94 , SRC95 , SRC96 ,
	SRC97 , SRC98 , SRC99 , SRC100 , SRC101 , SRC102 , SRC103 , SRC104 , SRC105 , SRC106 , SRC107 , SRC108 ,
	SRC109 , SRC110 , SRC111 , SRC112 , SRC113 , SRC114 , SRC115 , SRC116 , SRC117 , SRC118 , SRC119 , SRC120 ,
	SRC121 , SRC122 , SRC123 , SRC124 , SRC125 , SRC126 , SRC127 , SRC128 , SRC129 , SRC130 , SRC131 , SRC132 ,
	SRC133 , SRC134 , SRC135 , SRC136 , SRC137 , SRC138 , SRC139 , SRC140 , SRC155 , SRC156 , SRC157 , SRC158 ,
	SRC159 , SRC160 , SRC172 , SRC173 , SRC174 , SRC175 , SRC176 , SRC177 , SRC178 , SRC179 , SRC180 , SRC181 ,
	SRC182 , SRC183 , SRC184 , SRC185 , SRC186 , SRC188 , SRC189 , SRC190 , SRC191 , SRC192 , SRC193 , SRC194 ,
	SRC195 , SRC196 , SRC197 , SRC198 , SRC199 , SRC200 , SRC201 , SRC202 , SRC203 , SRC204 , SRC205 , SRC206 ,
	SRC207 , SRC208 , SRC209 , SRC210 , SRC211 , SRC213 , SRC214 , SRC215 , SRC216 , SRC217 , SRC218 , SRC219 ,
	SRC220 , SRC221 , SRC222 , SRC223 , SRC224 , SRC225 , SRC226 , SRC227 , SRC228 , SRC229 , SRC230 , SRC231 ,
	SRC232 , SRC233 , SRC234 , SRC235 , SRC236 , SRC237 , SRC238 , SRC239 , SRC240 , SRC241 , SRC242 , SRC243 ,
	SRC244 , SRC245 , SRC246 , SRC247 , SRC248 , SRC249 , SRC250 , SRC251 , SRC252 , SRC253 , SRC254 , SRC255 ,
	SRC256 , SRC257 , SRC258 , SRC259 , SRC260 , SRC261 , SRC262 , SRC263 , SRC264 , SRC265 , SRC266 , SRC267 ,
	SRC268 , SRC269 , SRC270 , SRC271 , SRC272 , SRC273 , SRC274 , SRC275 , SRC276 , SRC277 , SRC278 , SRC279 ,
	SRC280 , SRC281 , SRC282 , SRC283 , SRC284 , SRC285 , SRC286 , SRC287 , SRC288 , SRC289 , SRC290 , SRC291 ,
	SRC292 , SRC293 , SRC294 , SRC295 , SRC296 , SRC297 , SRC298 , SRC299 , SRC300 , SRC301 , SRC302 , SRC303 ,
	SRC304 , SRC305 , SRC306 , SRC307 , SRC308 , SRC309 , SRC310 , SRC311 , SRC312 , SRC313 , SRC314 , SRC315 ,
	SRC316 , SRC317 , SRC318 , SRC319 , SRC320 , SRC321 , SRC322 , SRC323 , SRC324 , SRC325 , SRC326 , SRC327 ,

CONC RURAL FLAT DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
	SRC328 , SRC329 , SRC330 , SRC331 , SRC332 , SRC333 , SRC334 , SRC335 , SRC336 , SRC337 , SRC338 , SRC339 ,
	SRC340 , SRC341 , SRC342 , SRC343 , SRC344 , SRC345 , SRC346 , SRC347 , SRC348 , SRC349 , SRC350 , SRC351 ,
	SRC352 , SRC353 , SRC354 , SRC355 , SRC356 , SRC357 , SRC359 , SRC360 , SRC361 , SRC362 , SRC363 , SRC364 ,
	SRC365 , SRC366 , SRC371 , SRC372 , SRC373 , SRC377 , SRC378 , SRC379 , SRC393 , SRC394 , SRC395 , SRC396 ,
	SRC397 , SRC398 , SRC415 , SRC416 , SRC6 , SRC8 , SRC9 , SRC1 , SRC2 , SRC3 ,

CONC RURAL FLAT DFAULT

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

(386598.0,	3835745.0,	0.0,	0.0);	(386695.0,	3835733.0,	0.0,	0.0);
(386695.0,	3835647.0,	0.0,	0.0);	(386682.0,	3835573.0,	0.0,	0.0);
(386598.0,	3835558.0,	0.0,	0.0);	(386575.0,	3835647.0,	0.0,	0.0);
(386809.2,	3835875.0,	0.0,	0.0);	(386859.2,	3835875.0,	0.0,	0.0);
(386909.2,	3835875.0,	0.0,	0.0);	(386959.2,	3835875.0,	0.0,	0.0);
(387009.2,	3835875.0,	0.0,	0.0);	(387059.2,	3835875.0,	0.0,	0.0);
(387109.2,	3835875.0,	0.0,	0.0);	(387159.2,	3835875.0,	0.0,	0.0);
(387209.2,	3835875.0,	0.0,	0.0);	(386809.2,	3835925.0,	0.0,	0.0);
(386859.2,	3835925.0,	0.0,	0.0);	(386909.2,	3835925.0,	0.0,	0.0);
(386959.2,	3835925.0,	0.0,	0.0);	(387009.2,	3835925.0,	0.0,	0.0);
(387059.2,	3835925.0,	0.0,	0.0);	(387109.2,	3835925.0,	0.0,	0.0);
(387159.2,	3835925.0,	0.0,	0.0);	(387209.2,	3835925.0,	0.0,	0.0);
(386809.2,	3835975.0,	0.0,	0.0);	(386859.2,	3835975.0,	0.0,	0.0);
(386909.2,	3835975.0,	0.0,	0.0);	(386959.2,	3835975.0,	0.0,	0.0);
(387009.2,	3835975.0,	0.0,	0.0);	(387059.2,	3835975.0,	0.0,	0.0);
(387109.2,	3835975.0,	0.0,	0.0);	(387159.2,	3835975.0,	0.0,	0.0);
(387209.2,	3835975.0,	0.0,	0.0);	(386809.2,	3836025.0,	0.0,	0.0);
(386859.2,	3836025.0,	0.0,	0.0);	(386909.2,	3836025.0,	0.0,	0.0);
(386959.2,	3836025.0,	0.0,	0.0);	(387009.2,	3836025.0,	0.0,	0.0);
(387059.2,	3836025.0,	0.0,	0.0);	(387109.2,	3836025.0,	0.0,	0.0);
(387159.2,	3836025.0,	0.0,	0.0);	(387209.2,	3836025.0,	0.0,	0.0);
(386809.2,	3836075.0,	0.0,	0.0);	(386859.2,	3836075.0,	0.0,	0.0);
(386909.2,	3836075.0,	0.0,	0.0);	(386959.2,	3836075.0,	0.0,	0.0);
(387009.2,	3836075.0,	0.0,	0.0);	(387059.2,	3836075.0,	0.0,	0.0);
(387109.2,	3836075.0,	0.0,	0.0);	(387159.2,	3836075.0,	0.0,	0.0);
(387209.2,	3836075.0,	0.0,	0.0);	(386809.2,	3836125.0,	0.0,	0.0);
(386859.2,	3836125.0,	0.0,	0.0);	(386909.2,	3836125.0,	0.0,	0.0);
(386959.2,	3836125.0,	0.0,	0.0);	(387009.2,	3836125.0,	0.0,	0.0);
(387059.2,	3836125.0,	0.0,	0.0);	(387109.2,	3836125.0,	0.0,	0.0);
(387159.2,	3836125.0,	0.0,	0.0);	(387209.2,	3836125.0,	0.0,	0.0);
(386809.2,	3836175.0,	0.0,	0.0);	(386859.2,	3836175.0,	0.0,	0.0);
(386909.2,	3836175.0,	0.0,	0.0);	(386959.2,	3836175.0,	0.0,	0.0);
(387009.2,	3836175.0,	0.0,	0.0);	(387059.2,	3836175.0,	0.0,	0.0);
(387109.2,	3836175.0,	0.0,	0.0);	(387159.2,	3836175.0,	0.0,	0.0);
(387209.2,	3836175.0,	0.0,	0.0);	(386809.2,	3836225.0,	0.0,	0.0);
(386859.2,	3836225.0,	0.0,	0.0);	(386909.2,	3836225.0,	0.0,	0.0);
(386959.2,	3836225.0,	0.0,	0.0);	(387009.2,	3836225.0,	0.0,	0.0);
(387059.2,	3836225.0,	0.0,	0.0);	(387109.2,	3836225.0,	0.0,	0.0);
(387159.2,	3836225.0,	0.0,	0.0);	(387209.2,	3836225.0,	0.0,	0.0);
(386809.2,	3836275.0,	0.0,	0.0);	(386859.2,	3836275.0,	0.0,	0.0);
(386909.2,	3836275.0,	0.0,	0.0);	(386959.2,	3836275.0,	0.0,	0.0);
(387009.2,	3836275.0,	0.0,	0.0);	(387059.2,	3836275.0,	0.0,	0.0);
(387109.2,	3836275.0,	0.0,	0.0);	(387159.2,	3836275.0,	0.0,	0.0);
(387209.2,	3836275.0,	0.0,	0.0);	(386809.2,	3836325.0,	0.0,	0.0);
(386859.2,	3836325.0,	0.0,	0.0);	(386909.2,	3836325.0,	0.0,	0.0);

CONC RURAL FLAT DFAULT

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

(386959.2,	3836325.0,	0.0,	0.0);	(387009.2,	3836325.0,	0.0,	0.0);
(387059.2,	3836325.0,	0.0,	0.0);	(387109.2,	3836325.0,	0.0,	0.0);
(387159.2,	3836325.0,	0.0,	0.0);	(387209.2,	3836325.0,	0.0,	0.0);
(386809.2,	3836375.0,	0.0,	0.0);	(386859.2,	3836375.0,	0.0,	0.0);
(386909.2,	3836375.0,	0.0,	0.0);	(386959.2,	3836375.0,	0.0,	0.0);
(387009.2,	3836375.0,	0.0,	0.0);	(387059.2,	3836375.0,	0.0,	0.0);
(387109.2,	3836375.0,	0.0,	0.0);	(387159.2,	3836375.0,	0.0,	0.0);
(387209.2,	3836375.0,	0.0,	0.0);	(386809.2,	3836425.0,	0.0,	0.0);
(386859.2,	3836425.0,	0.0,	0.0);	(386909.2,	3836425.0,	0.0,	0.0);
(386959.2,	3836425.0,	0.0,	0.0);	(387009.2,	3836425.0,	0.0,	0.0);
(387059.2,	3836425.0,	0.0,	0.0);	(387109.2,	3836425.0,	0.0,	0.0);
(387159.2,	3836425.0,	0.0,	0.0);	(387209.2,	3836425.0,	0.0,	0.0);
(386809.2,	3836475.0,	0.0,	0.0);	(386859.2,	3836475.0,	0.0,	0.0);
(386909.2,	3836475.0,	0.0,	0.0);	(386959.2,	3836475.0,	0.0,	0.0);
(387009.2,	3836475.0,	0.0,	0.0);	(387059.2,	3836475.0,	0.0,	0.0);
(387109.2,	3836475.0,	0.0,	0.0);	(387159.2,	3836475.0,	0.0,	0.0);
(387209.2,	3836475.0,	0.0,	0.0);	(386809.2,	3836525.0,	0.0,	0.0);
(386859.2,	3836525.0,	0.0,	0.0);	(386909.2,	3836525.0,	0.0,	0.0);
(386959.2,	3836525.0,	0.0,	0.0);	(387009.2,	3836525.0,	0.0,	0.0);
(387059.2,	3836525.0,	0.0,	0.0);	(387109.2,	3836525.0,	0.0,	0.0);
(387159.2,	3836525.0,	0.0,	0.0);	(387209.2,	3836525.0,	0.0,	0.0);
(386809.2,	3836575.0,	0.0,	0.0);	(386859.2,	3836575.0,	0.0,	0.0);
(386909.2,	3836575.0,	0.0,	0.0);	(386959.2,	3836575.0,	0.0,	0.0);
(387009.2,	3836575.0,	0.0,	0.0);	(387059.2,	3836575.0,	0.0,	0.0);
(387109.2,	3836575.0,	0.0,	0.0);	(387159.2,	3836575.0,	0.0,	0.0);
(387209.2,	3836575.0,	0.0,	0.0);	(386809.2,	3836625.0,	0.0,	0.0);
(386859.2,	3836625.0,	0.0,	0.0);	(386909.2,	3836625.0,	0.0,	0.0);
(386959.2,	3836625.0,	0.0,	0.0);	(387009.2,	3836625.0,	0.0,	0.0);
(387059.2,	3836625.0,	0.0,	0.0);	(387109.2,	3836625.0,	0.0,	0.0);
(387159.2,	3836625.0,	0.0,	0.0);	(387209.2,	3836625.0,	0.0,	0.0);
(386809.2,	3836675.0,	0.0,	0.0);	(386859.2,	3836675.0,	0.0,	0.0);
(386909.2,	3836675.0,	0.0,	0.0);	(386959.2,	3836675.0,	0.0,	0.0);
(387009.2,	3836675.0,	0.0,	0.0);	(387059.2,	3836675.0,	0.0,	0.0);
(387109.2,	3836675.0,	0.0,	0.0);	(387159.2,	3836675.0,	0.0,	0.0);
(387209.2,	3836675.0,	0.0,	0.0);	(385966.1,	3836279.0,	0.0,	0.0);
(386016.1,	3836279.0,	0.0,	0.0);	(386066.1,	3836279.0,	0.0,	0.0);
(386116.1,	3836279.0,	0.0,	0.0);	(386166.1,	3836279.0,	0.0,	0.0);
(386216.1,	3836279.0,	0.0,	0.0);	(386266.1,	3836279.0,	0.0,	0.0);
(386316.1,	3836279.0,	0.0,	0.0);	(386366.1,	3836279.0,	0.0,	0.0);
(386416.1,	3836279.0,	0.0,	0.0);	(386466.1,	3836279.0,	0.0,	0.0);
(386516.1,	3836279.0,	0.0,	0.0);	(386566.1,	3836279.0,	0.0,	0.0);
(386616.1,	3836279.0,	0.0,	0.0);	(386666.1,	3836279.0,	0.0,	0.0);
(386716.1,	3836279.0,	0.0,	0.0);	(386766.1,	3836279.0,	0.0,	0.0);
(385966.1,	3836329.0,	0.0,	0.0);	(386016.1,	3836329.0,	0.0,	0.0);
(386066.1,	3836329.0,	0.0,	0.0);	(386116.1,	3836329.0,	0.0,	0.0);

CONC RURAL FLAT DFAULT

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

(386166.1,	3836329.0,	0.0,	0.0);	(386216.1,	3836329.0,	0.0,	0.0);
(386266.1,	3836329.0,	0.0,	0.0);	(386316.1,	3836329.0,	0.0,	0.0);
(386366.1,	3836329.0,	0.0,	0.0);	(386416.1,	3836329.0,	0.0,	0.0);
(386466.1,	3836329.0,	0.0,	0.0);	(386516.1,	3836329.0,	0.0,	0.0);
(386566.1,	3836329.0,	0.0,	0.0);	(386616.1,	3836329.0,	0.0,	0.0);
(386666.1,	3836329.0,	0.0,	0.0);	(386716.1,	3836329.0,	0.0,	0.0);
(386766.1,	3836329.0,	0.0,	0.0);	(385966.1,	3836379.0,	0.0,	0.0);
(386016.1,	3836379.0,	0.0,	0.0);	(386066.1,	3836379.0,	0.0,	0.0);
(386116.1,	3836379.0,	0.0,	0.0);	(386166.1,	3836379.0,	0.0,	0.0);
(386216.1,	3836379.0,	0.0,	0.0);	(386266.1,	3836379.0,	0.0,	0.0);
(386316.1,	3836379.0,	0.0,	0.0);	(386366.1,	3836379.0,	0.0,	0.0);
(386416.1,	3836379.0,	0.0,	0.0);	(386466.1,	3836379.0,	0.0,	0.0);
(386516.1,	3836379.0,	0.0,	0.0);	(386566.1,	3836379.0,	0.0,	0.0);
(386616.1,	3836379.0,	0.0,	0.0);	(386666.1,	3836379.0,	0.0,	0.0);
(386716.1,	3836379.0,	0.0,	0.0);	(386766.1,	3836379.0,	0.0,	0.0);
(385966.1,	3836429.0,	0.0,	0.0);	(386016.1,	3836429.0,	0.0,	0.0);
(386066.1,	3836429.0,	0.0,	0.0);	(386116.1,	3836429.0,	0.0,	0.0);
(386166.1,	3836429.0,	0.0,	0.0);	(386216.1,	3836429.0,	0.0,	0.0);
(386266.1,	3836429.0,	0.0,	0.0);	(386316.1,	3836429.0,	0.0,	0.0);
(386366.1,	3836429.0,	0.0,	0.0);	(386416.1,	3836429.0,	0.0,	0.0);
(386466.1,	3836429.0,	0.0,	0.0);	(386516.1,	3836429.0,	0.0,	0.0);
(386566.1,	3836429.0,	0.0,	0.0);	(386616.1,	3836429.0,	0.0,	0.0);
(386666.1,	3836429.0,	0.0,	0.0);	(386716.1,	3836429.0,	0.0,	0.0);
(386766.1,	3836429.0,	0.0,	0.0);	(385966.1,	3836479.0,	0.0,	0.0);
(386016.1,	3836479.0,	0.0,	0.0);	(386066.1,	3836479.0,	0.0,	0.0);
(386116.1,	3836479.0,	0.0,	0.0);	(386166.1,	3836479.0,	0.0,	0.0);
(386216.1,	3836479.0,	0.0,	0.0);	(386266.1,	3836479.0,	0.0,	0.0);
(386316.1,	3836479.0,	0.0,	0.0);	(386366.1,	3836479.0,	0.0,	0.0);
(386416.1,	3836479.0,	0.0,	0.0);	(386466.1,	3836479.0,	0.0,	0.0);
(386516.1,	3836479.0,	0.0,	0.0);	(386566.1,	3836479.0,	0.0,	0.0);
(386616.1,	3836479.0,	0.0,	0.0);	(386666.1,	3836479.0,	0.0,	0.0);
(386716.1,	3836479.0,	0.0,	0.0);	(386766.1,	3836479.0,	0.0,	0.0);
(385966.1,	3836529.0,	0.0,	0.0);	(386016.1,	3836529.0,	0.0,	0.0);
(386066.1,	3836529.0,	0.0,	0.0);	(386116.1,	3836529.0,	0.0,	0.0);
(386166.1,	3836529.0,	0.0,	0.0);	(386216.1,	3836529.0,	0.0,	0.0);
(386266.1,	3836529.0,	0.0,	0.0);	(386316.1,	3836529.0,	0.0,	0.0);
(386366.1,	3836529.0,	0.0,	0.0);	(386416.1,	3836529.0,	0.0,	0.0);
(386466.1,	3836529.0,	0.0,	0.0);	(386516.1,	3836529.0,	0.0,	0.0);
(386566.1,	3836529.0,	0.0,	0.0);	(386616.1,	3836529.0,	0.0,	0.0);
(386666.1,	3836529.0,	0.0,	0.0);	(386716.1,	3836529.0,	0.0,	0.0);
(386766.1,	3836529.0,	0.0,	0.0);	(385966.1,	3836579.0,	0.0,	0.0);
(386016.1,	3836579.0,	0.0,	0.0);	(386066.1,	3836579.0,	0.0,	0.0);
(386116.1,	3836579.0,	0.0,	0.0);	(386166.1,	3836579.0,	0.0,	0.0);
(386216.1,	3836579.0,	0.0,	0.0);	(386266.1,	3836579.0,	0.0,	0.0);
(386316.1,	3836579.0,	0.0,	0.0);	(386366.1,	3836579.0,	0.0,	0.0);

CONC RURAL FLAT DFAULT

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

(386416.1,	3836579.0,	0.0,	0.0);	(386466.1,	3836579.0,	0.0,	0.0);
(386516.1,	3836579.0,	0.0,	0.0);	(386566.1,	3836579.0,	0.0,	0.0);
(386616.1,	3836579.0,	0.0,	0.0);	(386666.1,	3836579.0,	0.0,	0.0);
(386716.1,	3836579.0,	0.0,	0.0);	(386766.1,	3836579.0,	0.0,	0.0);
(385966.1,	3836629.0,	0.0,	0.0);	(386016.1,	3836629.0,	0.0,	0.0);
(386066.1,	3836629.0,	0.0,	0.0);	(386116.1,	3836629.0,	0.0,	0.0);
(386166.1,	3836629.0,	0.0,	0.0);	(386216.1,	3836629.0,	0.0,	0.0);
(386266.1,	3836629.0,	0.0,	0.0);	(386316.1,	3836629.0,	0.0,	0.0);
(386366.1,	3836629.0,	0.0,	0.0);	(386416.1,	3836629.0,	0.0,	0.0);
(386466.1,	3836629.0,	0.0,	0.0);	(386516.1,	3836629.0,	0.0,	0.0);
(386566.1,	3836629.0,	0.0,	0.0);	(386616.1,	3836629.0,	0.0,	0.0);
(386666.1,	3836629.0,	0.0,	0.0);	(386716.1,	3836629.0,	0.0,	0.0);
(386766.1,	3836629.0,	0.0,	0.0);	(385966.1,	3836679.0,	0.0,	0.0);
(386016.1,	3836679.0,	0.0,	0.0);	(386066.1,	3836679.0,	0.0,	0.0);
(386116.1,	3836679.0,	0.0,	0.0);	(386166.1,	3836679.0,	0.0,	0.0);
(386216.1,	3836679.0,	0.0,	0.0);	(386266.1,	3836679.0,	0.0,	0.0);
(386316.1,	3836679.0,	0.0,	0.0);	(386366.1,	3836679.0,	0.0,	0.0);
(386416.1,	3836679.0,	0.0,	0.0);	(386466.1,	3836679.0,	0.0,	0.0);
(386516.1,	3836679.0,	0.0,	0.0);	(386566.1,	3836679.0,	0.0,	0.0);
(386616.1,	3836679.0,	0.0,	0.0);	(386666.1,	3836679.0,	0.0,	0.0);
(386716.1,	3836679.0,	0.0,	0.0);	(386766.1,	3836679.0,	0.0,	0.0);
(385966.1,	3835879.0,	0.0,	0.0);	(386016.1,	3835879.0,	0.0,	0.0);
(386066.1,	3835879.0,	0.0,	0.0);	(386116.1,	3835879.0,	0.0,	0.0);
(386166.1,	3835879.0,	0.0,	0.0);	(386216.1,	3835879.0,	0.0,	0.0);
(386266.1,	3835879.0,	0.0,	0.0);	(386316.1,	3835879.0,	0.0,	0.0);
(386366.1,	3835879.0,	0.0,	0.0);	(385966.1,	3835929.0,	0.0,	0.0);
(386016.1,	3835929.0,	0.0,	0.0);	(386066.1,	3835929.0,	0.0,	0.0);
(386116.1,	3835929.0,	0.0,	0.0);	(386166.1,	3835929.0,	0.0,	0.0);
(386216.1,	3835929.0,	0.0,	0.0);	(386266.1,	3835929.0,	0.0,	0.0);
(386316.1,	3835929.0,	0.0,	0.0);	(386366.1,	3835929.0,	0.0,	0.0);
(385966.1,	3835979.0,	0.0,	0.0);	(386016.1,	3835979.0,	0.0,	0.0);
(386066.1,	3835979.0,	0.0,	0.0);	(386116.1,	3835979.0,	0.0,	0.0);
(386166.1,	3835979.0,	0.0,	0.0);	(386216.1,	3835979.0,	0.0,	0.0);
(386266.1,	3835979.0,	0.0,	0.0);	(386316.1,	3835979.0,	0.0,	0.0);
(386366.1,	3835979.0,	0.0,	0.0);	(385966.1,	3836029.0,	0.0,	0.0);
(386016.1,	3836029.0,	0.0,	0.0);	(386066.1,	3836029.0,	0.0,	0.0);
(386116.1,	3836029.0,	0.0,	0.0);	(386166.1,	3836029.0,	0.0,	0.0);
(386216.1,	3836029.0,	0.0,	0.0);	(386266.1,	3836029.0,	0.0,	0.0);
(386316.1,	3836029.0,	0.0,	0.0);	(386366.1,	3836029.0,	0.0,	0.0);
(385966.1,	3836079.0,	0.0,	0.0);	(386016.1,	3836079.0,	0.0,	0.0);
(386066.1,	3836079.0,	0.0,	0.0);	(386116.1,	3836079.0,	0.0,	0.0);
(386166.1,	3836079.0,	0.0,	0.0);	(386216.1,	3836079.0,	0.0,	0.0);
(386266.1,	3836079.0,	0.0,	0.0);	(386316.1,	3836079.0,	0.0,	0.0);
(386366.1,	3836079.0,	0.0,	0.0);	(385966.1,	3836129.0,	0.0,	0.0);
(386016.1,	3836129.0,	0.0,	0.0);	(386066.1,	3836129.0,	0.0,	0.0);

CONC RURAL FLAT DFAULT

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

(386116.1,	3836129.0,	0.0,	0.0);	(386166.1,	3836129.0,	0.0,	0.0);
(386216.1,	3836129.0,	0.0,	0.0);	(386266.1,	3836129.0,	0.0,	0.0);
(386316.1,	3836129.0,	0.0,	0.0);	(386366.1,	3836129.0,	0.0,	0.0);
(385966.1,	3836179.0,	0.0,	0.0);	(386016.1,	3836179.0,	0.0,	0.0);
(386066.1,	3836179.0,	0.0,	0.0);	(386116.1,	3836179.0,	0.0,	0.0);
(386166.1,	3836179.0,	0.0,	0.0);	(386216.1,	3836179.0,	0.0,	0.0);
(386266.1,	3836179.0,	0.0,	0.0);	(386316.1,	3836179.0,	0.0,	0.0);
(386366.1,	3836179.0,	0.0,	0.0);	(385966.1,	3836229.0,	0.0,	0.0);
(386016.1,	3836229.0,	0.0,	0.0);	(386066.1,	3836229.0,	0.0,	0.0);
(386116.1,	3836229.0,	0.0,	0.0);	(386166.1,	3836229.0,	0.0,	0.0);
(386216.1,	3836229.0,	0.0,	0.0);	(386266.1,	3836229.0,	0.0,	0.0);
(386316.1,	3836229.0,	0.0,	0.0);	(386366.1,	3836229.0,	0.0,	0.0);
(386412.9,	3835453.0,	0.0,	0.0);	(386462.9,	3835453.0,	0.0,	0.0);
(386512.9,	3835453.0,	0.0,	0.0);	(386562.9,	3835453.0,	0.0,	0.0);
(386612.9,	3835453.0,	0.0,	0.0);	(386662.9,	3835453.0,	0.0,	0.0);
(386712.9,	3835453.0,	0.0,	0.0);	(386762.9,	3835453.0,	0.0,	0.0);
(386812.9,	3835453.0,	0.0,	0.0);	(387186.1,	3835453.0,	0.0,	0.0);
(387186.1,	3835503.0,	0.0,	0.0);	(387186.1,	3835553.0,	0.0,	0.0);
(387186.1,	3835603.0,	0.0,	0.0);	(387186.1,	3835653.0,	0.0,	0.0);
(387186.1,	3835703.0,	0.0,	0.0);	(387186.1,	3835753.0,	0.0,	0.0);
(387186.1,	3835803.0,	0.0,	0.0);	(387186.1,	3835853.0,	0.0,	0.0);
(386836.9,	3835453.0,	0.0,	0.0);	(386886.9,	3835453.0,	0.0,	0.0);
(386936.9,	3835453.0,	0.0,	0.0);	(387294.0,	3835014.8,	0.0,	0.0);
(387861.5,	3835863.2,	0.0,	0.0);	(386391.4,	3836254.0,	0.0,	0.0);
(386768.2,	3836251.0,	0.0,	0.0);	(386774.3,	3836244.2,	0.0,	0.0);
(386774.3,	3836161.2,	0.0,	0.0);	(386768.7,	3836126.5,	0.0,	0.0);
(386768.7,	3835887.0,	0.0,	0.0);	(386756.4,	3835874.8,	0.0,	0.0);
(386391.4,	3835873.8,	0.0,	0.0);	(386391.4,	3835954.2,	0.0,	0.0);

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

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

                     METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 1981   1  1  1
                                                         AND END DATE: 1981  12 31 24

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



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

                                                 1.54,   3.09,   5.14,   8.23,  10.80,


                                                        *** WIND PROFILE EXPONENTS ***


              STABILITY                             WIND SPEED CATEGORY
              CATEGORY          1              2              3              4              5              6
                 A          .70000E-01     .70000E-01     .70000E-01     .70000E-01     .70000E-01     .70000E-01
                 B          .70000E-01     .70000E-01     .70000E-01     .70000E-01     .70000E-01     .70000E-01
                 C          .10000E+00     .10000E+00     .10000E+00     .10000E+00     .10000E+00     .10000E+00
                 D          .15000E+00     .15000E+00     .15000E+00     .15000E+00     .15000E+00     .15000E+00
                 E          .35000E+00     .35000E+00     .35000E+00     .35000E+00     .35000E+00     .35000E+00
                 F          .55000E+00     .55000E+00     .55000E+00     .55000E+00     .55000E+00     .55000E+00

                                          *** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
                                                      (DEGREES KELVIN PER METER)


              STABILITY                             WIND SPEED CATEGORY
              CATEGORY          1              2              3              4              5              6
                 A          .00000E+00     .00000E+00     .00000E+00     .00000E+00     .00000E+00     .00000E+00
                 B          .00000E+00     .00000E+00     .00000E+00     .00000E+00     .00000E+00     .00000E+00
                 C          .00000E+00     .00000E+00     .00000E+00     .00000E+00     .00000E+00     .00000E+00
                 D          .00000E+00     .00000E+00     .00000E+00     .00000E+00     .00000E+00     .00000E+00
                 E          .20000E-01     .20000E-01     .20000E-01     .20000E-01     .20000E-01     .20000E-01
                 F          .35000E-01     .35000E-01     .35000E-01     .35000E-01     .35000E-01     .35000E-01
```

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

FILE: C:\CAJA MODELING\MET FILES\LANCASTR.ASC
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 51117 UPPER AIR STATION NO.: 99999
NAME: UNKNOWN NAME: UNKNOWN
YEAR: 1981 YEAR: 1981

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
81	01	01	01	134.8	1.00	285.9	7	522.6	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	02	169.9	1.00	284.8	7	507.0	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	03	197.5	1.00	284.8	7	491.4	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	04	233.5	1.00	284.8	7	475.8	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	05	129.0	1.00	285.4	7	460.3	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	06	94.5	1.00	284.3	7	444.7	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	07	4.5	1.00	284.3	7	429.1	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	08	179.6	1.00	284.3	6	43.0	190.2	0.0000	0.0	0.0000	0	0.00
81	01	01	09	299.0	1.00	287.6	5	89.2	211.8	0.0000	0.0	0.0000	0	0.00
81	01	01	10	189.1	1.00	291.5	4	135.3	233.4	0.0000	0.0	0.0000	0	0.00
81	01	01	11	134.1	1.00	297.0	3	181.5	255.1	0.0000	0.0	0.0000	0	0.00
81	01	01	12	193.1	1.00	298.7	2	227.7	276.7	0.0000	0.0	0.0000	0	0.00
81	01	01	13	199.7	0.00	299.3	2	273.8	298.4	0.0000	0.0	0.0000	0	0.00
81	01	01	14	259.2	1.00	299.3	2	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	15	314.8	1.00	298.7	2	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	16	323.2	0.00	297.6	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	17	335.1	1.34	294.8	4	325.5	325.5	0.0000	0.0	0.0000	0	0.00
81	01	01	18	187.6	1.00	293.1	5	357.1	310.3	0.0000	0.0	0.0000	0	0.00
81	01	01	19	358.0	1.00	290.9	6	388.7	302.1	0.0000	0.0	0.0000	0	0.00
81	01	01	20	33.2	1.00	289.8	7	420.3	293.9	0.0000	0.0	0.0000	0	0.00
81	01	01	21	111.1	1.00	289.3	7	451.9	285.7	0.0000	0.0	0.0000	0	0.00
81	01	01	22	47.0	1.00	287.6	7	483.5	277.4	0.0000	0.0	0.0000	0	0.00
81	01	01	23	270.7	1.00	287.6	7	515.1	269.2	0.0000	0.0	0.0000	0	0.00
81	01	01	24	292.2	1.00	287.6	7	546.7	261.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC374 , SRC375 , SRC376 , SRC64 , SRC65 , SRC66 , SRC67 ,
SRC68 , SRC69 , SRC70 , SRC71 , SRC72 , SRC73 , SRC74 , SRC75 , SRC76 , SRC77 , SRC78 , SRC79 ,
SRC80 , SRC81 , SRC82 , SRC83 , SRC84 , SRC85 , SRC86 , SRC87 , SRC88 , SRC89 , SRC90 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386598.00	3835745.00	0.00277	386695.00	3835733.00	0.00396
386695.00	3835647.00	0.00283	386682.00	3835573.00	0.00214
386598.00	3835558.00	0.00181	386575.00	3835647.00	0.00205
386809.19	3835875.00	0.00711	386859.19	3835875.00	0.00738
386909.19	3835875.00	0.00718	386959.19	3835875.00	0.00679
387009.19	3835875.00	0.00655	387059.19	3835875.00	0.00650
387109.19	3835875.00	0.00669	387159.19	3835875.00	0.00656
387209.19	3835875.00	0.00560	386809.19	3835925.00	0.00832
386859.19	3835925.00	0.00769	386909.19	3835925.00	0.00723
386959.19	3835925.00	0.00697	387009.19	3835925.00	0.00672
387059.19	3835925.00	0.00656	387109.19	3835925.00	0.00643
387159.19	3835925.00	0.00615	387209.19	3835925.00	0.00546
386809.19	3835975.00	0.00894	386859.19	3835975.00	0.00829
386909.19	3835975.00	0.00772	386959.19	3835975.00	0.00724
387009.19	3835975.00	0.00683	387059.19	3835975.00	0.00653
387109.19	3835975.00	0.00628	387159.19	3835975.00	0.00599
387209.19	3835975.00	0.00547	386809.19	3836025.00	0.00921
386859.19	3836025.00	0.00845	386909.19	3836025.00	0.00789
386959.19	3836025.00	0.00742	387009.19	3836025.00	0.00701
387059.19	3836025.00	0.00662	387109.19	3836025.00	0.00629
387159.19	3836025.00	0.00591	387209.19	3836025.00	0.00542
386809.19	3836075.00	0.00973	386859.19	3836075.00	0.00883
386909.19	3836075.00	0.00811	386959.19	3836075.00	0.00751
387009.19	3836075.00	0.00699	387059.19	3836075.00	0.00655
387109.19	3836075.00	0.00616	387159.19	3836075.00	0.00577
387209.19	3836075.00	0.00530	386809.19	3836125.00	0.00919
386859.19	3836125.00	0.00856	386909.19	3836125.00	0.00795
386959.19	3836125.00	0.00737	387009.19	3836125.00	0.00683
387059.19	3836125.00	0.00638	387109.19	3836125.00	0.00596
387159.19	3836125.00	0.00557	387209.19	3836125.00	0.00512
386809.19	3836175.00	0.00804	386859.19	3836175.00	0.00745
386909.19	3836175.00	0.00700	386959.19	3836175.00	0.00662
387009.19	3836175.00	0.00630	387059.19	3836175.00	0.00603
387109.19	3836175.00	0.00573	387159.19	3836175.00	0.00541
387209.19	3836175.00	0.00500	386809.19	3836225.00	0.00700
386859.19	3836225.00	0.00658	386909.19	3836225.00	0.00620
386959.19	3836225.00	0.00586	387009.19	3836225.00	0.00558
387059.19	3836225.00	0.00533	387109.19	3836225.00	0.00508
387159.19	3836225.00	0.00485	387209.19	3836225.00	0.00457
386809.19	3836275.00	0.00559	386859.19	3836275.00	0.00539

CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC374 , SRC375 , SRC376 , SRC64 , SRC65 , SRC66 , SRC67 ,
SRC68 , SRC69 , SRC70 , SRC71 , SRC72 , SRC73 , SRC74 , SRC75 , SRC76 , SRC77 , SRC78 , SRC79 ,
SRC80 , SRC81 , SRC82 , SRC83 , SRC84 , SRC85 , SRC86 , SRC87 , SRC88 , SRC89 , SRC90 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386909.19	3836275.00	0.00517	386959.19	3836275.00	0.00488
387009.19	3836275.00	0.00466	387059.19	3836275.00	0.00451
387109.19	3836275.00	0.00438	387159.19	3836275.00	0.00426
387209.19	3836275.00	0.00405	386809.19	3836325.00	0.00440
386859.19	3836325.00	0.00465	386909.19	3836325.00	0.00450
386959.19	3836325.00	0.00427	387009.19	3836325.00	0.00411
387059.19	3836325.00	0.00389	387109.19	3836325.00	0.00368
387159.19	3836325.00	0.00352	387209.19	3836325.00	0.00335
386809.19	3836375.00	0.00338	386859.19	3836375.00	0.00361
386909.19	3836375.00	0.00387	386959.19	3836375.00	0.00400
387009.19	3836375.00	0.00380	387059.19	3836375.00	0.00357
387109.19	3836375.00	0.00339	387159.19	3836375.00	0.00320
387209.19	3836375.00	0.00297	386809.19	3836425.00	0.00205
386859.19	3836425.00	0.00263	386909.19	3836425.00	0.00303
386959.19	3836425.00	0.00321	387009.19	3836425.00	0.00348
387059.19	3836425.00	0.00346	387109.19	3836425.00	0.00324
387159.19	3836425.00	0.00304	387209.19	3836425.00	0.00284
386809.19	3836475.00	0.00160	386859.19	3836475.00	0.00171
386909.19	3836475.00	0.00206	386959.19	3836475.00	0.00254
387009.19	3836475.00	0.00275	387059.19	3836475.00	0.00293
387109.19	3836475.00	0.00308	387159.19	3836475.00	0.00299
387209.19	3836475.00	0.00277	386809.19	3836525.00	0.00143
386859.19	3836525.00	0.00141	386909.19	3836525.00	0.00148
386959.19	3836525.00	0.00170	387009.19	3836525.00	0.00208
387059.19	3836525.00	0.00234	387109.19	3836525.00	0.00249
387159.19	3836525.00	0.00265	387209.19	3836525.00	0.00267
386809.19	3836575.00	0.00141	386859.19	3836575.00	0.00129
386909.19	3836575.00	0.00127	386959.19	3836575.00	0.00133
387009.19	3836575.00	0.00145	387059.19	3836575.00	0.00170
387109.19	3836575.00	0.00198	387159.19	3836575.00	0.00215
387209.19	3836575.00	0.00226	386809.19	3836625.00	0.00140
386859.19	3836625.00	0.00128	386909.19	3836625.00	0.00119
386959.19	3836625.00	0.00116	387009.19	3836625.00	0.00119
387059.19	3836625.00	0.00126	387109.19	3836625.00	0.00143
387159.19	3836625.00	0.00166	387209.19	3836625.00	0.00183
386809.19	3836675.00	0.00136	386859.19	3836675.00	0.00128
386909.19	3836675.00	0.00118	386959.19	3836675.00	0.00110
387009.19	3836675.00	0.00106	387059.19	3836675.00	0.00107
387109.19	3836675.00	0.00114	387159.19	3836675.00	0.00123
387209.19	3836675.00	0.00139	385966.09	3836279.00	0.00141

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC374 , SRC375 , SRC376 , SRC64 , SRC65 , SRC66 , SRC67 ,
SRC68 , SRC69 , SRC70 , SRC71 , SRC72 , SRC73 , SRC74 , SRC75 , SRC76 , SRC77 , SRC78 , SRC79 ,
SRC80 , SRC81 , SRC82 , SRC83 , SRC84 , SRC85 , SRC86 , SRC87 , SRC88 , SRC89 , SRC90 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386016.09	3836279.00	0.00155	386066.09	3836279.00	0.00174
386116.09	3836279.00	0.00196	386166.09	3836279.00	0.00211
386216.09	3836279.00	0.00232	386266.09	3836279.00	0.00274
386316.09	3836279.00	0.00324	386366.09	3836279.00	0.00343
386416.09	3836279.00	0.00412	386466.09	3836279.00	0.00355
386516.09	3836279.00	0.00316	386566.09	3836279.00	0.00314
386616.09	3836279.00	0.00395	386666.09	3836279.00	0.00503
386716.09	3836279.00	0.00521	386766.09	3836279.00	0.00536
385966.09	3836329.00	0.00137	386016.09	3836329.00	0.00156
386066.09	3836329.00	0.00171	386116.09	3836329.00	0.00179
386166.09	3836329.00	0.00196	386216.09	3836329.00	0.00213
386266.09	3836329.00	0.00252	386316.09	3836329.00	0.00285
386366.09	3836329.00	0.00291	386416.09	3836329.00	0.00339
386466.09	3836329.00	0.00305	386516.09	3836329.00	0.00260
386566.09	3836329.00	0.00241	386616.09	3836329.00	0.00236
386666.09	3836329.00	0.00273	386716.09	3836329.00	0.00355
386766.09	3836329.00	0.00414	385966.09	3836379.00	0.00142
386016.09	3836379.00	0.00149	386066.09	3836379.00	0.00159
386116.09	3836379.00	0.00171	386166.09	3836379.00	0.00179
386216.09	3836379.00	0.00208	386266.09	3836379.00	0.00248
386316.09	3836379.00	0.00250	386366.09	3836379.00	0.00264
386416.09	3836379.00	0.00299	386466.09	3836379.00	0.00274
386516.09	3836379.00	0.00236	386566.09	3836379.00	0.00220
386616.09	3836379.00	0.00209	386666.09	3836379.00	0.00197
386716.09	3836379.00	0.00217	386766.09	3836379.00	0.00260
385966.09	3836429.00	0.00134	386016.09	3836429.00	0.00143
386066.09	3836429.00	0.00152	386116.09	3836429.00	0.00156
386166.09	3836429.00	0.00170	386216.09	3836429.00	0.00203
386266.09	3836429.00	0.00232	386316.09	3836429.00	0.00223
386366.09	3836429.00	0.00249	386416.09	3836429.00	0.00275
386466.09	3836429.00	0.00252	386516.09	3836429.00	0.00223
386566.09	3836429.00	0.00199	386616.09	3836429.00	0.00193
386666.09	3836429.00	0.00189	386716.09	3836429.00	0.00175
386766.09	3836429.00	0.00184	385966.09	3836479.00	0.00129
386016.09	3836479.00	0.00136	386066.09	3836479.00	0.00139
386116.09	3836479.00	0.00146	386166.09	3836479.00	0.00177
386216.09	3836479.00	0.00212	386266.09	3836479.00	0.00215
386316.09	3836479.00	0.00210	386366.09	3836479.00	0.00238
386416.09	3836479.00	0.00259	386466.09	3836479.00	0.00235
386516.09	3836479.00	0.00219	386566.09	3836479.00	0.00190

 CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC374 , SRC375 , SRC376 , SRC64 , SRC65 , SRC66 , SRC67 ,
SRC68 , SRC69 , SRC70 , SRC71 , SRC72 , SRC73 , SRC74 , SRC75 , SRC76 , SRC77 , SRC78 , SRC79 ,
SRC80 , SRC81 , SRC82 , SRC83 , SRC84 , SRC85 , SRC86 , SRC87 , SRC88 , SRC89 , SRC90 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386616.09	3836479.00	0.00183	386666.09	3836479.00	0.00179
386716.09	3836479.00	0.00172	386766.09	3836479.00	0.00158
385966.09	3836529.00	0.00123	386016.09	3836529.00	0.00125
386066.09	3836529.00	0.00131	386116.09	3836529.00	0.00150
386166.09	3836529.00	0.00177	386216.09	3836529.00	0.00204
386266.09	3836529.00	0.00197	386316.09	3836529.00	0.00203
386366.09	3836529.00	0.00228	386416.09	3836529.00	0.00246
386466.09	3836529.00	0.00223	386516.09	3836529.00	0.00217
386566.09	3836529.00	0.00182	386616.09	3836529.00	0.00173
386666.09	3836529.00	0.00169	386716.09	3836529.00	0.00167
386766.09	3836529.00	0.00155	385966.09	3836579.00	0.00113
386016.09	3836579.00	0.00119	386066.09	3836579.00	0.00126
386116.09	3836579.00	0.00153	386166.09	3836579.00	0.00185
386216.09	3836579.00	0.00193	386266.09	3836579.00	0.00181
386316.09	3836579.00	0.00199	386366.09	3836579.00	0.00217
386416.09	3836579.00	0.00234	386466.09	3836579.00	0.00215
386516.09	3836579.00	0.00213	386566.09	3836579.00	0.00177
386616.09	3836579.00	0.00166	386666.09	3836579.00	0.00159
386716.09	3836579.00	0.00158	386766.09	3836579.00	0.00153
385966.09	3836629.00	0.00108	386016.09	3836629.00	0.00110
386066.09	3836629.00	0.00132	386116.09	3836629.00	0.00158
386166.09	3836629.00	0.00179	386216.09	3836629.00	0.00178
386266.09	3836629.00	0.00172	386316.09	3836629.00	0.00195
386366.09	3836629.00	0.00207	386416.09	3836629.00	0.00222
386466.09	3836629.00	0.00207	386516.09	3836629.00	0.00204
386566.09	3836629.00	0.00176	386616.09	3836629.00	0.00159
386666.09	3836629.00	0.00152	386716.09	3836629.00	0.00147
386766.09	3836629.00	0.00147	385966.09	3836679.00	0.00098
386016.09	3836679.00	0.00113	386066.09	3836679.00	0.00136
386116.09	3836679.00	0.00160	386166.09	3836679.00	0.00172
386216.09	3836679.00	0.00162	386266.09	3836679.00	0.00166
386316.09	3836679.00	0.00189	386366.09	3836679.00	0.00196
386416.09	3836679.00	0.00212	386466.09	3836679.00	0.00200
386516.09	3836679.00	0.00192	386566.09	3836679.00	0.00175
386616.09	3836679.00	0.00151	386666.09	3836679.00	0.00148
386716.09	3836679.00	0.00137	386766.09	3836679.00	0.00137
385966.09	3835879.00	0.00127	386016.09	3835879.00	0.00141
386066.09	3835879.00	0.00156	386116.09	3835879.00	0.00167
386166.09	3835879.00	0.00188	386216.09	3835879.00	0.00201
386266.09	3835879.00	0.00238	386316.09	3835879.00	0.00279

CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC374 , SRC375 , SRC376 , SRC64 , SRC65 , SRC66 , SRC67 ,
SRC68 , SRC69 , SRC70 , SRC71 , SRC72 , SRC73 , SRC74 , SRC75 , SRC76 , SRC77 , SRC78 , SRC79 ,
SRC80 , SRC81 , SRC82 , SRC83 , SRC84 , SRC85 , SRC86 , SRC87 , SRC88 , SRC89 , SRC90 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
386366.09	3835879.00	0.00382	385966.09	3835929.00	0.00139
386016.09	3835929.00	0.00156	386066.09	3835929.00	0.00178
386116.09	3835929.00	0.00206	386166.09	3835929.00	0.00231
386216.09	3835929.00	0.00267	386266.09	3835929.00	0.00306
386316.09	3835929.00	0.00366	386366.09	3835929.00	0.00499
385966.09	3835979.00	0.00157	386016.09	3835979.00	0.00180
386066.09	3835979.00	0.00205	386116.09	3835979.00	0.00235
386166.09	3835979.00	0.00281	386216.09	3835979.00	0.00346
386266.09	3835979.00	0.00435	386316.09	3835979.00	0.00541
386366.09	3835979.00	0.00660	385966.09	3836029.00	0.00174
386016.09	3836029.00	0.00201	386066.09	3836029.00	0.00237
386116.09	3836029.00	0.00288	386166.09	3836029.00	0.00357
386216.09	3836029.00	0.00453	386266.09	3836029.00	0.00598
386316.09	3836029.00	0.00800	386366.09	3836029.00	0.00992
385966.09	3836079.00	0.00177	386016.09	3836079.00	0.00203
386066.09	3836079.00	0.00237	386116.09	3836079.00	0.00281
386166.09	3836079.00	0.00343	386216.09	3836079.00	0.00440
386266.09	3836079.00	0.00587	386316.09	3836079.00	0.00750
386366.09	3836079.00	0.00733	385966.09	3836129.00	0.00182
386016.09	3836129.00	0.00208	386066.09	3836129.00	0.00240
386116.09	3836129.00	0.00282	386166.09	3836129.00	0.00344
386216.09	3836129.00	0.00438	386266.09	3836129.00	0.00574
386316.09	3836129.00	0.00782	386366.09	3836129.00	0.01021
385966.09	3836179.00	0.00155	386016.09	3836179.00	0.00175
386066.09	3836179.00	0.00203	386116.09	3836179.00	0.00238
386166.09	3836179.00	0.00283	386216.09	3836179.00	0.00337
386266.09	3836179.00	0.00407	386316.09	3836179.00	0.00486
386366.09	3836179.00	0.00490	385966.09	3836229.00	0.00150
386016.09	3836229.00	0.00168	386066.09	3836229.00	0.00189
386116.09	3836229.00	0.00206	386166.09	3836229.00	0.00237
386216.09	3836229.00	0.00269	386266.09	3836229.00	0.00302
386316.09	3836229.00	0.00367	386366.09	3836229.00	0.00436
386412.91	3835453.00	0.00147	386462.91	3835453.00	0.00138
386512.91	3835453.00	0.00132	386562.91	3835453.00	0.00160
386612.91	3835453.00	0.00160	386662.91	3835453.00	0.00175
386712.91	3835453.00	0.00193	386762.91	3835453.00	0.00250
386812.91	3835453.00	0.00413	387186.09	3835453.00	0.01140
387186.09	3835503.00	0.01820	387186.09	3835553.00	0.01668
387186.09	3835603.00	0.01672	387186.09	3835653.00	0.01578
387186.09	3835703.00	0.01444	387186.09	3835753.00	0.01361

CONC RURAL FLAT DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SRC374 , SRC375 , SRC376 , SRC64 , SRC65 , SRC66 , SRC67 ,
SRC68 , SRC69 , SRC70 , SRC71 , SRC72 , SRC73 , SRC74 , SRC75 , SRC76 , SRC77 , SRC78 , SRC79 ,
SRC80 , SRC81 , SRC82 , SRC83 , SRC84 , SRC85 , SRC86 , SRC87 , SRC88 , SRC89 , SRC90 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
387186.09	3835803.00	0.00814	387186.09	3835853.00	0.00620
386836.91	3835453.00	0.00572	386886.91	3835453.00	0.00941
386936.91	3835453.00	0.01132	387294.00	3835014.75	0.00136
387861.50	3835863.25	0.00281	386391.41	3836254.00	0.00422
386768.19	3836251.00	0.00631	386774.31	3836244.25	0.00651
386774.31	3836161.25	0.00877	386768.69	3836126.50	0.00971
386768.69	3835887.00	0.00728	386756.41	3835874.75	0.00707
386391.41	3835873.75	0.00472	386391.41	3835954.25	0.00782

CONC RURAL FLAT DFAULT

*** THE SUMMARY OF MAXIMUM ANNUAL (1 YRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.01820 AT (387186.09, 3835503.00, 0.00, 0.00)	DC	NA
	2ND HIGHEST VALUE IS	0.01672 AT (387186.09, 3835603.00, 0.00, 0.00)	DC	NA
	3RD HIGHEST VALUE IS	0.01668 AT (387186.09, 3835553.00, 0.00, 0.00)	DC	NA
	4TH HIGHEST VALUE IS	0.01578 AT (387186.09, 3835653.00, 0.00, 0.00)	DC	NA
	5TH HIGHEST VALUE IS	0.01444 AT (387186.09, 3835703.00, 0.00, 0.00)	DC	NA
	6TH HIGHEST VALUE IS	0.01361 AT (387186.09, 3835753.00, 0.00, 0.00)	DC	NA
	7TH HIGHEST VALUE IS	0.01140 AT (387186.09, 3835453.00, 0.00, 0.00)	DC	NA
	8TH HIGHEST VALUE IS	0.01132 AT (386936.91, 3835453.00, 0.00, 0.00)	DC	NA
	9TH HIGHEST VALUE IS	0.01021 AT (386366.09, 3836129.00, 0.00, 0.00)	DC	NA
	10TH HIGHEST VALUE IS	0.00992 AT (386366.09, 3836029.00, 0.00, 0.00)	DC	NA

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

 CONC RURAL FLAT DFAULT

 *** Message Summary : ISCST3 Model Execution ***

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

 A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)
 A Total of 717 Informational Message(s)

 A Total of 717 Calm Hours Identified

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

    ********   WARNING MESSAGES   ********
              *** NONE ***

    ****
    *** ISCST3 Finishes Successfully ***
    ****