

Revised Report
Evaluation of Impacts
Associated with Emissions of
Carbon Monoxide and Toxic Air
Pollutants

King's River Sand and Gravel
Fresno County, California

October 29, 2007

Prepared for:
Resource Design Technology, Inc.
4990 Hillside Circle, Suite 400
El Dorado Hills, California 95762

Prepared By:
Air Permitting Specialists
12247 Welch Road
Wilton, California 95693
Phone: 916-687-8352
E-Mail: ray.kapahi@gmail.com

TABLE OF CONTENTS

INTRODUCTION	2
SECTION 1 - ESTIMATE OF PUBLIC HEALTH RISKS	
1.1 ESTIMATE OF DIESEL PM	4
1.2 EXPOSURE ASSESSMENT	6
1.3 RISK CHARACTERIZATION	9
SECTION 2 - IMPACTS OF CO EMISSIONS	
2.1 Estimate of CO Emissions.....	11
2.2 Locations of Intersections.....	13
2.3 Localized CO Concentrations.....	14
CONCLUSIONS.....	15
REFERENCES	16
APPENDIX	
Copy of EMFAC Emissions Model Output	
Copy of Dispersion Model Output	

INTRODUCTION

Air Permitting Specialists (APS) has been retained by Resource Design Technology, Inc., to evaluate air quality impacts and health risks associated with the proposed King's River Sand and Gravel Project in Fresno County, California.

The proposed would be located in the unincorporated part of Fresno County South of Goodfellow Avenue and East of King's River. The site is an irregularly shaped area of 457 acres. Of the 457 acres project site, only 315 acres is approved for mining. The site is relatively flat with elevations ranging from 335 feet above mean sea level in the northwest corner to 320 feet along the Kings River. See Figure 1 for the location of the project site.

Increases in public health risks are associated with exposure to toxic air pollutants. The main toxic air pollutant released from the proposed project would be diesel particulate. This is a component of diesel exhaust from trucks and various construction equipment. Health risks were estimated on the basis of annual equipment usage over 30 years.

The scope of the air quality analysis evaluates emissions of carbon monoxide (CO) from increased traffic. CO impacts were evaluated at selected intersections for traffic volumes identified in the traffic study (Section 3.5, Supplemental Draft Environmental Impact Report) for this project. The objective of this phase of the study was to determine if an increase in CO emissions would violate 1-hour or 8-hour ambient air quality standards.

This report consists of 2 main sections. Section 1 discusses emissions of toxic air pollutants associated with project operations and the health risks associated with exposure to such pollutants. Section 1 has been updated since the circulation of the Supplemental Draft Environmental Impact Report based on comments made by the San Joaquin Valley Air Pollution Control District regarding the appropriate modeling for health risk assessment performed for the project. Section 2 presents an analysis of CO emissions and concentrations at key intersections. Detailed calculations and model output are provided in the tables and in the appendix.

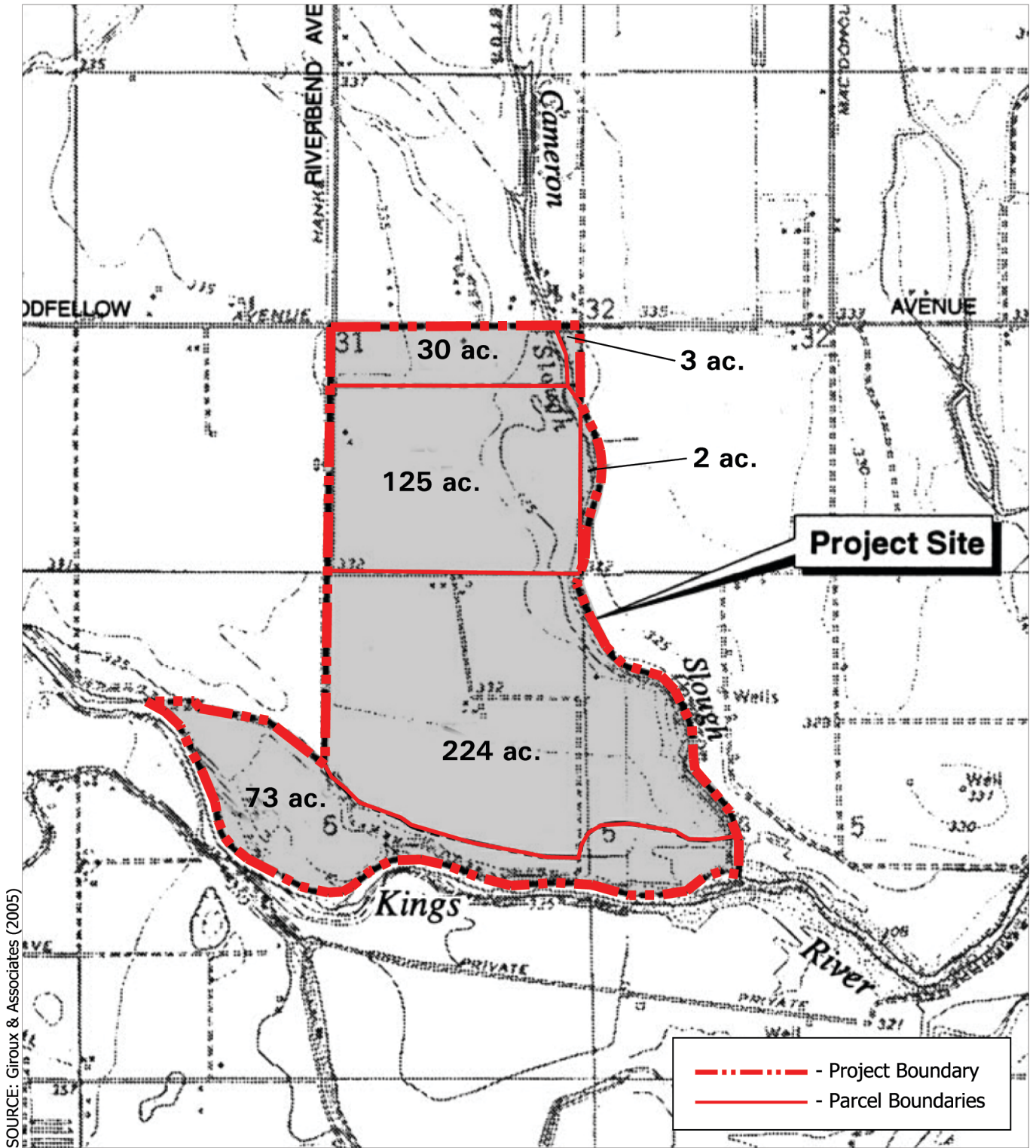


Figure 1
Site Location
 KINGS RIVER
 SAND AND GRAVEL PROJECT

SECTION 1

ESTIMATE OF PUBLIC HEALTH RISKS

The proposed project would involve extraction and processing of sand and gravel as well as a reclamation plan. This involves the use of diesel fuelled trucks, excavators, graders, dozers, etc., at the project site. Under current regulations, the California Air Resources Board (CARB) has identified diesel particulate (PM), a component of diesel exhaust, as a toxic air pollutant. This Section of the report provides an estimate of diesel PM emissions and its concentration in the vicinity of the project location. This information is used to calculate a lifetime cancer risk in the vicinity of the project site due to exposure from diesel PM.

1.1 ESTIMATE OF DIESEL PARTICULATE EMISSIONS

Project operations involve use of various diesel fuelled trucks and equipment. The following would be used at the project site:

Equipment	No. of Units	HP	Daily Hrs	Annual Hours
Excavator	1	425	2	624
Scraper (#1)	1	475	0.4	124.8
Scraper (#2)	1	475	0.4	124.8
Pit Truck (#1)	1	650	0.05	15.6
Pit Truck (#2)	1	650	0.05	15.6
Pit Truck (#3)	1	650	0.05	15.6
Loader	1	430	8	2496
Water Truck	1	250	2.5	780
Dozer	1	305	0.75	234
Motor Grader	1	150	0.5	156
Maintenance/Lube Truck	1	250	1	312
Foreman's Vehicle	1	200	1	312
Plant Pick Up	1	200	1	312

An emission rate of 0.6 grams per horsepower hour (g/hp-hr) was used to calculate overall emissions. This is a conservative estimate of current emission rate of diesel PM. For example, most off-road engines above 300 horsepower emit between 0.15 to 0.4 g/hp-hr. Overall annual emissions are summarized in Table 1.

TABLE 1
Summary of Current Diesel Particulate Emissions

Equipment	#	HP	Daily Annual Capacity		Diesel Particulate Matter (PM) (g/hp-hr)(lbs/hr)(lbs/yr)		
			Hrs	Hours Factor			
Excavator	1	425	2	624	0.60	0.25	158
Scraper (#1)	1	475	0.4	124.8	0.60	0.28	35.3
Scraper (#2)	1	475	0.4	124.8	0.60	0.28	35.3
Pit Truck (#1)	1	650	0.05	15.6	0.60	0.39	6.03
Pit Truck (#2)	1	650	0.05	15.6	0.60	0.39	6.03
Pit Truck (#3)	1	650	0.05	15.6	0.60	0.39	6.03
Loader	1	430	8	2496	0.60	0.26	638
Water Truck	1	250	2.5	780	0.60	0.15	116
Dozer	1	305	0.75	234	0.60	0.18	42.4
Motor Grader	1	150	0.5	156	0.60	0.09	13.9
Maintenance/Lube Truck	1	250	1	312	0.60	0.15	46.4
Foreman's Vehicle	1	200	1	312	0.60	0.12	37.1
Plant Pick up	1	200	1	312	0.60	0.12	37.1
Totals					3.04	1178	
Annual Usage:		Daily Hours x 312 days/yr		Tons/year		0.589	
Emissions (lbs/hr) = Emission Factor (g/hp-hr) x HP x Capacity Factor							
Emissions (lbs/yr) = Hourly Emissions (lbs/hr) x Annual Hours							

The results in Table 1 indicate that approximately 0.6 tons of diesel PM would be released annually. This emission rate is used to calculate the concentration of diesel PM in the vicinity of the project location.

1.2 EXPOSURE ASSESSMENT

Cancer risk is related to the exposure concentration, for example in grams/cubic meter, of diesel PM. Exposure can occur via inhalation, ingestion and dermal pathways. For this study, it is assumed that the primary exposure pathway will be via inhalation.

The ambient air concentration of diesel PM at a given location depends on its distance from the equipment, the emission rate of diesel PM and the local wind pattern. An air dispersion model that incorporates these variables and parameters was used to calculate the concentration of diesel PM in the vicinity of the project site.

Currently, CARB is establishing new regulations that would reduce future diesel PM by 95% over current levels. Therefore, the emission rates calculated in Table 2 would be significantly reduced over the next ten (10) years. For this analysis, an average reduction of 65% over current emissions was assumed for the duration of this project. Actual emission reductions are expected to be closer to 90+% over current levels. Therefore, the risk estimates based on 65% diesel PM reduction should be interpreted as representing an upper limit of cancer risk. Actual risk is expected to be lower.

The EPA model, known as AERMOD was used to estimate the concentration of diesel PM. Emissions were modeled as a single 30 acre square area source. Concentrations were estimated every 100 meters in rectangular grid extending 1,200 meters in each direction. A total of 576 grid receptors and three (3) discrete receptors were used. The discrete receptors represent location of nearby homes. The modeling grid is shown in Figure 2.

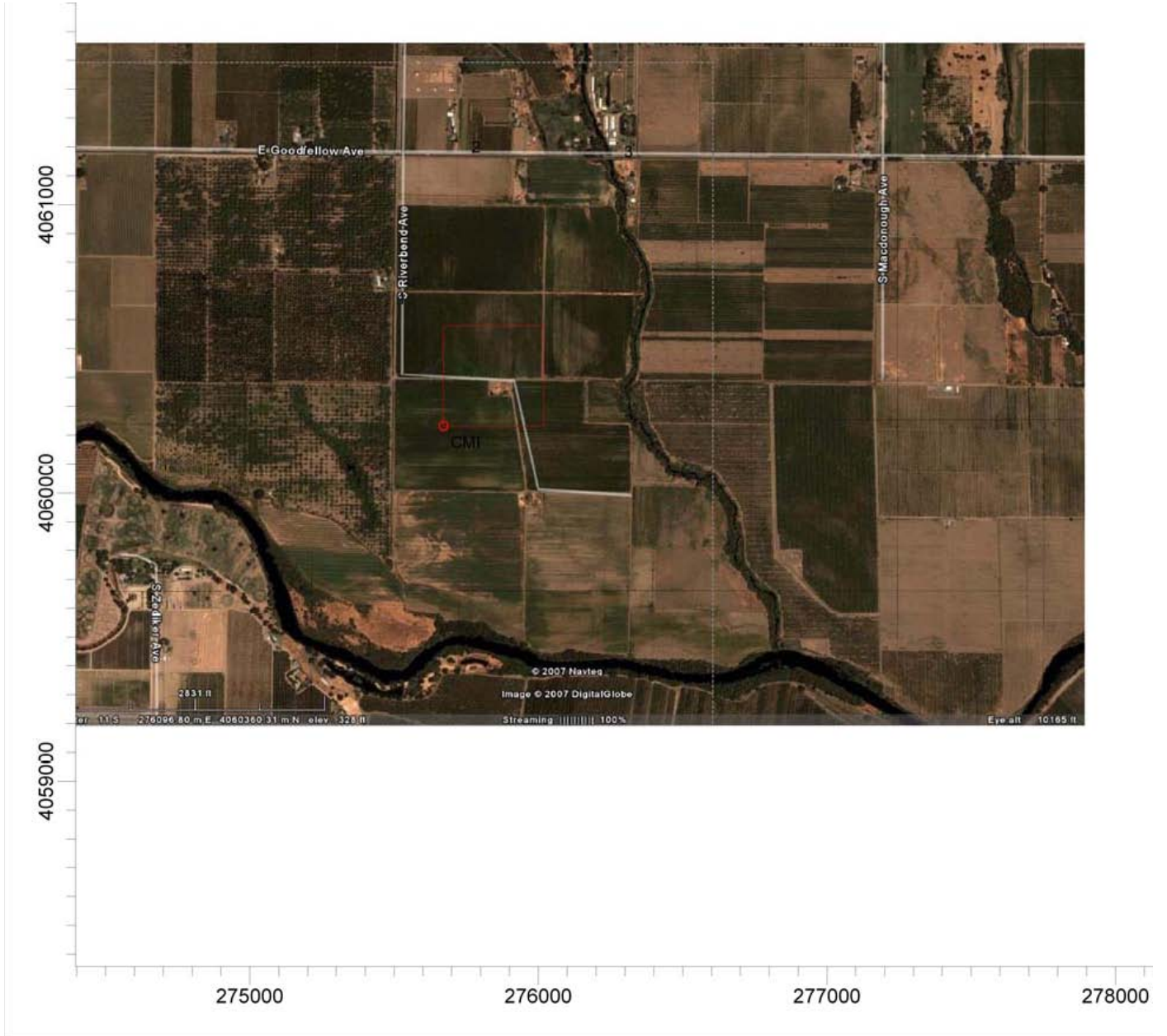
Specific model inputs used to model the diesel PM emissions are as follows:

Model	AERMOD Version 07026
Emission Source	Area Source
Emission Rate (Assumes 65% Reduction From Current Emissions)	6.28×10^{-6} grams/sq meter-sec
Release Height	0 feet
Rural/Urban Mode	Rural
Grid Resolution	100 meters (328 feet)
Grid Extent	2.4 km x 2.4 km (1.5 miles x 1.5 miles)
Number of Receptors	576
Regulatory Option	Option Used

Meteorological Data	3 years of hourly data from Fresno Total of 26,280 hours modeled
Averaging Time	Annual
Model Output	Cancer Risk/million

The model was run using hourly wind data for 3 years and the highest annual concentration was calculated at each receptor. These concentrations were used to calculate cancer risk. This is discussed in the next subsection.

Figure 2
Layout of Modeling Grid Showing Area Source
(Coordinates are in UTM)



1.3 RISK CHARACTERIZATION

Risk characterization refers to the process of quantifying the risk associated with a given exposure to a toxic air pollutant. In the present study, we have focused on the inhalation pathway as the primary route of exposure. Therefore, risk characterization involves using the atmospheric concentration of diesel PM with toxicity data (diesel PM unit risk factor) to establish lifetime (70 year) cancer risk. The recommended unit risk factor (by CARB) is 3.0×10^{-4} . For example, if the concentration of diesel PM at a given receptor is 0.5 micrograms per cubic meter, then the 70 year cancer risk associated with this concentration is:

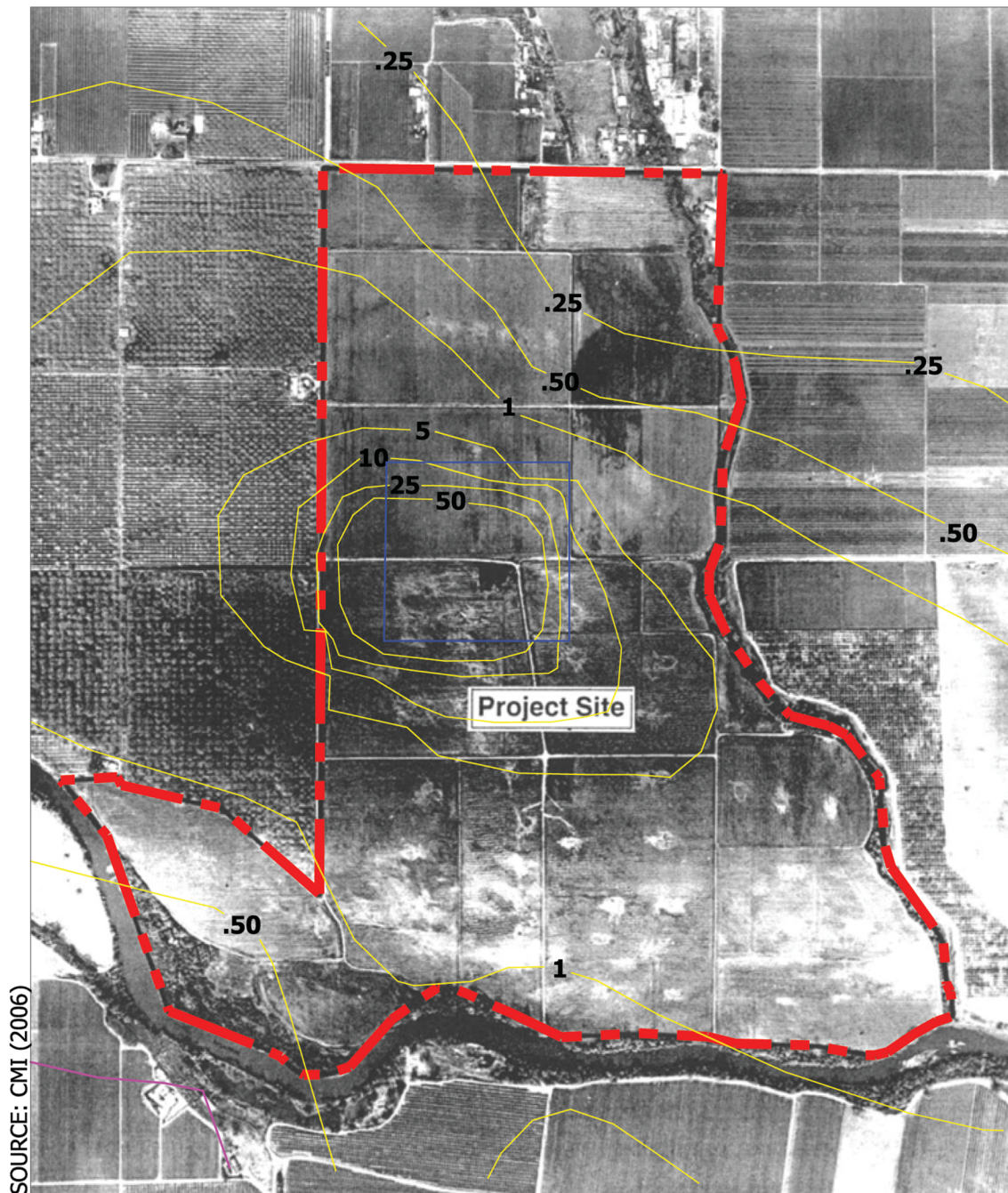
$$\text{Risk (70 year)} = 0.5 \text{ micrograms/cubic meter} \times 3.0 \times 10^{-4} \text{ (micrograms/cubic meter)}^{-1}$$




$$= 0.15 \times 10^{-4} \text{ cancers or } 15 \text{ cancers per million.}$$

Since the project duration will be 30 years, the cancer risk is reduced by a factor of $30 \text{ yrs} / 70 \text{ yrs} = 0.43$.

$$30 \text{ Year Risk} = 15 \times 0.43 = 6.45 \text{ cancers per million.}$$

The spatial variation in cancer risk in the vicinity of the project is shown in Figure 3. Risk assessments were run based on meteorological data from 2002, 2003, and 2004. The assessment for this Project is based on using 2002 meteorological data from Fresno. Risk associated with 2003 and 2004 meteorological data are lower. The numbers on the contours indicate cancer risk per million. The innermost contour represents labeled 50 cancers/million and is entirely within the project property boundaries. The next contour represents 25 cancers/million and a small portion of this contour (to the West) lies outside the property boundary. Risk at all residences is estimated to be less than 10 in a million. In fact, the cancer risk at the nearest residence located west of the Project site is between 1 and 5 cancers risks in a million (see Figure 3).



-  - Property Boundary
-  5 - Cancer Per Million Contour
-  - Average Area of Concentrated Mobile Equipment Activity

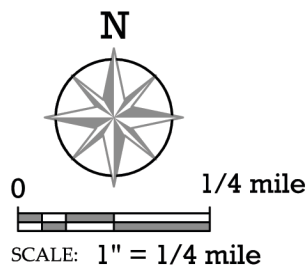


Figure 3
Health Risk Assessment
70-Year Inhalation Carcinogenic Health Risk
 KINGS RIVER
 SAND AND GRAVEL PROJECT

SECTION 2 IMPACTS OF CARBON MONOXIDE EMISSIONS

2.1 MODELING METHODOLOGY

The increase in traffic associated with the proposed project has the potential to violate short-term carbon monoxide (CO) concentrations, especially, at signalized intersections. We note that both 1-hour and 8-hour CO concentrations in Stanislaus County remain well below the State standards. These standards are:

Maximum 1-Hour Standard: 20 parts per million (ppm)

Maximum 8-Hour Standard: 9 ppm

Therefore, it is reasonable to project that the small increase in traffic volumes predicted in the traffic study (see the Revised Traffic Impact Study, which is Appendix G to the Supplemental Draft EIR) would not violate either of the two State CO standards. However, there remains the possibility some localized (“hotspots”) CO concentrations may exceed the ambient standards even though there may not be a significant increase in regional CO concentrations.

To evaluate the significance of short-term CO impacts, a screening level analysis based on the CALINE4 dispersion model was conducted. This simplified procedure was originally developed by the Bay Area Air Quality Management District (BAAQMD December 1999) to identify potential CO hotspots near roadways and intersections. If a hotspot is identified, then a more rigorous analysis is conducted to refine estimates of CO concentrations.

The methodology used in the current analysis utilizes worst-case conditions. These conditions are:

- Wind direction parallel to the roadway;
- Wind Speed of 1 meter/sec;
- Extremely stable atmospheric condition (stability “F”);
- Receptor located at edge of roadway.

The contributions from one roadway is calculated by using the formula:

$$C_i = C_{ri} \times \frac{V_i \times EF_i}{100,000}$$

C_i = CO concentration contributed from the i^{th} roadway (ppm)

C_{ri} = Reference case concentration for the i^{th} roadway (ppm)

V_i = Traffic volume, i^{th} roadway (vehicles/hour)

EF_i = Emission factor, i^{th} roadway (gram/mile)

The hotspots analysis was conducted for the following six (6) traffic scenarios:

1. Existing and Near-Term Impacts (*Peak AM and PM Conditions*)
2. Project and Cumulative Impacts (*Peak AM and PM Conditions*)
3. Cumulative Impacts from Detour Segments (*AM and PM Conditions*)

Traffic volumes were obtained from Tables 3.5-1 to 3.5-20 in Section 3.5 of the Supplemental Draft EIR. The analysis used emission factors for 2007 and 2008 fleet mix. The following emission factors were used in the analysis as per BAAQMD screening procedure (*Ref: BAAQMD CEQA Guidelines, Dec 1999, Section 3.4*):

2007 Emission Factor 4.24 gram/mile per vehicle

2008 Emission Factor 4.04 grams/mile per vehicle

Screening level 1-hour CO impacts at the edge of the roadway for at-grade 2-lane and 4-lane roadways is estimated to be 14 ppm and 11.9 ppm respectively for 1,000 vehicles per hour. Eight-hour impacts are estimated to be 0.7 x 1-hour impacts.

For example, existing traffic volume at State Route 99 Northbound ramp to Chesnut Street is estimated to be 640 vehicles per hour.

The peak 1-hour CO concentration would equal:

$$\text{1-hour CO (ppm)} = \frac{640 \text{ veh/hr} \times 11.9 \text{ ppm} \times 4.24 \text{ gram/mile}}{100,000}$$

$$= 0.323 \text{ ppm}$$

8-hour concentration would equal: $0.323 \text{ ppm} \times 0.7 = 0.226 \text{ ppm}$

The following six (6) scenarios were modeled:

- Existing and Near-Term Impacts (AM and PM)
- Cumulative CO Impacts with and without the project (AM and PM)
- Cumulative CO Impacts with and without detour (AM and PM)

2.2 LOCATION OF INTERSECTIONS

CO impacts at the following intersections were evaluated.

Scenario No Detours	Existing	Year 2008 No Project	Year 2008 with Project
Road and Direction	Volume	Volume	Volume
Segment	(Veh/Hr)	(Veh/Hr)	(Veh/Hr)
Central Avenue EB			
SR 99 NB Ramp to Chesnut	640	679	684
Chesnut to Golden State	380	403	408
Golden State to Willow	293	311	316
Willow to Clovis	182	193	198
Clovis to Temperance	76	81	87
Temperance to McCall	58	62	69
McCall to Bethel	65	69	81
Bethel to Academy	79	82	94
Academy to Newmark	106	109	127
Goodfellow Avenue EB			
Newmark to Riverbend	132	136	154
Goodfellow Avenue WB			
Riverbend to Newmark	118	121	139
Central Avenue WB			
Newmark to Academy	109	112	130
Academy to Bethel	110	115	127
Bethel to McCall	104	110	122
McCall to Temperance	127	135	142
Temperance to Clovis	140	149	155
Clovis to Willow	250	265	270
Willow to Golden State	263	279	284
Golden State to Chesnut	315	334	339
Chesnut to SR 99 NB Ramp	503	534	539

Several road detours may occur due to the planned construction of a bridge over the King's River. As a result, several additional intersections were also evaluated. These are:

Scenario With Detours	Cumulative No Project	Cumulative with Project
<i>Road and Direction Segment</i>	<i>Volume (Veh/Hr)</i>	<i>Volume (Veh/Hr)</i>
Riverbend Avenue NB		
Goodfellow to Annadale	117	135
Riverbend Avenue SB		
Annadale to Goodfellow	143	143
Annadale Avenue WB		
Riverbend to Newmark	241	259
Annadale Avenue EB		
Newmark to Riverbend	226	259
Newmark Avenue NB		
Central to Annadale	154	170
Newmark Avenue SB		
Annadale to Central	168	184

2.3 LOCALIZED CONCENTRATIONS

The results of the screening level analysis are shown in Tables 2-1 through 2-6 of the Supplemental Draft EIR. The results indicate that CO impacts are as follows:

1-Hour CO Impacts: 0.03 to 0.70 ppm (state standard is 20 ppm)

8-Hour CO Impacts: 0.037 to 0.50 ppm (state standard is 9 ppm)

These results indicate that increase in traffic at various intersections would not lead to a significant increase in CO concentrations. Therefore, a more refined analysis is not required.

CONCLUSIONS

The results of this analysis indicates the following:

With the exception of a small area that lies outside the project boundary, maximum cancer risk is less than 10 in a million, including risk at nearby homes (see Figure 3). Since the threshold of significance is 10 cancers in a million, emissions of diesel PM from on-site trucks and equipment would not lead to a significant impact to public health.

CO emissions at nearby intersection with and without future road detours were evaluated. Maximum 1-hour and 8-hour CO concentrations are estimated to be well below the states ambient air quality standards. Therefore, CO emissions from increased traffic would not lead to a significant air quality impact.

REFERENCES

BAAQMD (1999) "BAAQMD CEQA Guidelines", Bay Area Air Quality Management District, San Francisco, CA.

EPA (1995) "User's Guide for the Industrial Source Complex (ISC) Models", Environmental Protection Agency, Research Triangle Park, NC.

Turner, D.B., "Workbook of Atmospheric Dispersion Estimates", 2nd Edition, Lewis Publishers, Boca Raton, FL.

APPENDIX

Input Data for AERMOD Model Run

Copy of AERMOD Model Output

*** AERMOD - VERSION 07026 *** ** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno

*** File:CMI_02.ADI

**MODELOPTS:

DEFAULT ELEV

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**Model Uses NO DRY DEPLETION. DDPLETE = F
**Model Uses NO WET DEPLETION. WDPLETE = F
**NO GAS DRY DEPOSITION Data Provided.

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay

**Model Assumes No FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 788 Receptor(s)

**The Model Assumes A Pollutant Type of: PM

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

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 10.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTs:
CONC

DFAULT ELEV

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD X (METERS)	COORD Y (METERS)	SW CORNER X (METERS)	SW CORNER Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
-----------	--------------------	-------------------------------------	------------------	------------------	----------------------	----------------------	---------------------	-------------------------	------------------------	------------------------	------------------------	-------------------	--------------	------------------------------

CMI 0 0.62800E-05 275672.0 4060231.0 0.0 0.00 0.00 348.00 348.00 0.00 NO
*** AERMOD - VERSION 07026 ***
*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTs:
CONC

DFAULT ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SOURCE IDS

GROUP ID

ALL CMI

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***

**MODELOPTS:
CONC
DEFAULT ELEV

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

274100.0,	274200.0,	274300.0,	274400.0,	274500.0,	274600.0,	274700.0,	274800.0,	274900.0,	275000.0,
275100.0,	275200.0,	275300.0,	275400.0,	275500.0,	275600.0,	275700.0,	275800.0,	275900.0,	276000.0,
276100.0,	276200.0,	276300.0,	276400.0,	276500.0,	276600.0,	276700.0,	276800.0,	276900.0,	277000.0,

*** Y-COORDINATES OF GRID ***
(METERS)

4059200.0,	4059300.0,	4059400.0,	4059500.0,	4059600.0,	4059700.0,	4059800.0,	4059900.0,	4060000.0,	4060100.0,
4060200.0,	4060300.0,	4060400.0,	4060500.0,	4060600.0,	4060700.0,	4060800.0,	4060900.0,	4061000.0,	4061100.0,
4061200.0,	4061300.0,	4061400.0,	4061500.0,	4061600.0,	4061700.0,				

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTS:
CONC
DEFAULT ELEV

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

X-COORD (METERS)

276800.00 276900.00 277000.00

4061700.00	0.00	0.00	0.00
4061600.00	0.00	0.00	0.00
4061500.00	0.00	0.00	0.00
4061400.00	0.00	0.00	0.00
4061300.00	0.00	0.00	0.00
4061200.00	0.00	0.00	0.00
4061100.00	0.00	0.00	0.00
4061000.00	0.00	0.00	0.00
4060900.00	0.00	0.00	0.00
4060800.00	0.00	0.00	0.00
4060700.00	0.00	0.00	0.00
4060600.00	0.00	0.00	0.00
4060500.00	0.00	0.00	0.00
4060400.00	0.00	0.00	0.00
4060300.00	0.00	0.00	0.00
4060200.00	0.00	0.00	0.00
4060100.00	0.00	0.00	0.00
4060000.00	0.00	0.00	0.00
4059900.00	0.00	0.00	0.00
4059800.00	0.00	0.00	0.00
4059700.00	0.00	0.00	0.00
4059600.00	0.00	0.00	0.00
4059500.00	0.00	0.00	0.00
4059400.00	0.00	0.00	0.00
4059300.00	0.00	0.00	0.00
4059200.00	0.00	0.00	0.00

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTS:
CONC
DEFAULT ELEV

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	276800.00	276900.00	277000.00	X-COORD (METERS)
4061700.00	0.00	0.00	0.00	0.00
4061600.00	0.00	0.00	0.00	0.00
4061500.00	0.00	0.00	0.00	0.00
4061400.00	0.00	0.00	0.00	0.00
4061300.00	0.00	0.00	0.00	0.00
4061200.00	0.00	0.00	0.00	0.00
4061100.00	0.00	0.00	0.00	0.00
4061000.00	0.00	0.00	0.00	0.00
4060900.00	0.00	0.00	0.00	0.00
4060800.00	0.00	0.00	0.00	0.00
4060700.00	0.00	0.00	0.00	0.00
4060600.00	0.00	0.00	0.00	0.00
4060500.00	0.00	0.00	0.00	0.00
4060400.00	0.00	0.00	0.00	0.00
4060300.00	0.00	0.00	0.00	0.00
4060200.00	0.00	0.00	0.00	0.00
4060100.00	0.00	0.00	0.00	0.00
4060000.00	0.00	0.00	0.00	0.00
4059900.00	0.00	0.00	0.00	0.00
4059800.00	0.00	0.00	0.00	0.00
4059700.00	0.00	0.00	0.00	0.00
4059600.00	0.00	0.00	0.00	0.00
4059500.00	0.00	0.00	0.00	0.00
4059400.00	0.00	0.00	0.00	0.00
4059300.00	0.00	0.00	0.00	0.00
4059200.00	0.00	0.00	0.00	0.00

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***

**MODELOPTS:
CONC

DEFAULT ELEV

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

(275485.0, 4060729.0,	0.0,	0.0,	(275743.0, 4061255.0,	0.0,	0.0);
(276272.0, 4061239.0,	0.0,	0.0,	(275586.0, 4061193.0,	0.0,	0.0);
(276285.0, 4061170.0,	0.0,	0.0,	(276826.0, 4059345.0,	0.0,	0.0);
(275723.0, 4059493.0,	0.0,	0.0,	(275517.0, 4059743.0,	0.0,	0.0);

*** AERMOD - VERSION 07026 ***
*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

**MODELOPTS:
CONC

DEFAULT ELEV

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

Surface file: C:\OLD_DE-3\AERMOD-1\Fresno02\FRESNO02.SFC Met Version: 06341
 Profile file: C:\OLD_DE-3\AERMOD-1\Fresno02\FRESNO02.PFL
 Surface format: (3(I2,1X),I3,1X,I2,1X,F6.1,1X,3(F6.3,1X),2(F5.0,1X),F8.1,1X,F6.3,1X,2(F6.2,1X),F7.2,1X,F5.0,3(1X,F6.1))
 Profile format: (4(I2,1X),F6.1,1X,I1,1X,F5.0,1X,F7.2,1X,F6.1,1X,F7.2)
 Surface station no.: 93193 Upper air station no.: 23230

Name: FRESNO/AIR_TERMINAL Name: OAKLAND/WSO_AP
 Year: 2002 Year: 2002

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
02	01	01	1	01	-22.9	0.405	-9.000	-9.000	-999.	594.	262.6	0.93	4.60	1.00	2.60	81.	10.0	282.0	2.0	282.0	2.0	2.0
02	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.72	3.76	1.00	999.00	999.	0.0	283.1	2.0	283.1	2.0	2.0
02	01	01	1	03	-6.8	0.120	-9.000	-9.000	-999.	95.	22.8	0.59	3.20	1.00	1.50	94.	10.0	282.0	2.0	282.0	2.0	2.0
02	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.72	3.76	1.00	999.00	999.	0.0	282.0	2.0	282.0	2.0	2.0
02	01	01	1	05	-15.7	0.142	-9.000	-9.000	-999.	124.	16.6	0.52	3.40	1.00	2.10	143.	10.0	282.0	2.0	282.0	2.0	2.0
02	01	01	1	06	-20.3	0.302	-9.000	-9.000	-999.	381.	122.2	0.93	4.60	1.00	2.10	72.	10.0	282.0	2.0	282.0	2.0	2.0
02	01	01	1	07	-13.6	0.241	-9.000	-9.000	-999.	273.	92.6	0.52	3.40	1.00	2.10	155.	10.0	282.0	2.0	282.0	2.0	2.0
02	01	01	1	08	-10.0	0.183	-9.000	-9.000	-999.	181.	55.3	0.93	4.60	0.66	1.50	33.	10.0	283.1	2.0	283.1	2.0	2.0
02	01	01	1	09	-1.7	0.246	-9.000	-9.000	-999.	280.	771.3	0.93	4.60	0.37	1.50	67.	10.0	284.2	2.0	284.2	2.0	2.0
02	01	01	1	10	17.0	-9.000	-9.000	-9.000	64.	-999.	-99999.0	0.72	3.76	0.27	0.00	0.	10.0	284.9	2.0	284.9	2.0	2.0
02	01	01	1	11	30.7	0.391	0.511	0.007	157.	562.	-176.1	0.59	3.20	0.22	2.60	94.	10.0	285.9	2.0	285.9	2.0	2.0
02	01	01	1	12	84.9	0.414	0.887	0.006	298.	612.	-75.5	0.59	3.20	0.21	2.60	106.	10.0	288.1	2.0	288.1	2.0	2.0
02	01	01	1	13	85.7	0.478	1.014	0.005	439.	759.	-115.1	0.59	3.20	0.21	3.10	123.	10.0	288.8	2.0	288.8	2.0	2.0
02	01	01	1	14	33.2	0.458	0.776	0.005	509.	713.	-261.5	0.59	3.20	0.22	3.10	129.	10.0	289.2	2.0	289.2	2.0	2.0
02	01	01	1	15	49.6	0.465	0.935	0.005	596.	730.	-183.4	0.59	3.20	0.25	3.10	132.	10.0	289.2	2.0	289.2	2.0	2.0
02	01	01	1	16	24.6	0.322	0.744	0.006	604.	434.	-122.9	0.59	3.20	0.34	2.10	104.	10.0	288.8	2.0	288.8	2.0	2.0
02	01	01	1	17	-19.5	0.333	-9.000	-9.000	-999.	442.	170.9	0.59	3.20	0.61	2.60	101.	10.0	287.0	2.0	287.0	2.0	2.0
02	01	01	1	18	-19.8	0.203	-9.000	-9.000	-999.	218.	38.0	0.59	3.20	1.00	2.10	107.	10.0	285.9	2.0	285.9	2.0	2.0
02	01	01	1	19	-29.8	0.305	-9.000	-9.000	-999.	387.	85.8	0.59	3.20	1.00	2.60	94.	10.0	285.4	2.0	285.4	2.0	2.0
02	01	01	1	20	-31.7	0.297	-9.000	-9.000	-999.	373.	74.8	0.59	3.20	1.00	2.60	107.	10.0	285.4	2.0	285.4	2.0	2.0
02	01	01	1	21	-45.7	0.468	-9.000	-9.000	-999.	737.	202.9	0.59	3.20	1.00	3.60	120.	10.0	285.9	2.0	285.9	2.0	2.0
02	01	01	1	22	-16.7	0.220	-9.000	-9.000	-999.	295.	57.3	0.52	3.40	1.00	2.10	142.	10.0	284.9	2.0	284.9	2.0	2.0
02	01	01	1	23	-27.2	0.406	-9.000	-9.000	-999.	595.	222.2	0.59	3.20	1.00	3.10	110.	10.0	283.1	2.0	283.1	2.0	2.0
02	01	01	1	24	-21.9	0.328	-9.000	-9.000	-999.	435.	145.3	0.59	3.20	1.00	2.60	110.	10.0	284.2	2.0	284.2	2.0	2.0

First hour of profile data
 YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
 02 01 01 01 10.0 1 81. 2.60 282.1 99.0 -99.00 -99.00

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

*** AERMOD - VERSION 07026 ***
*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

DEFAULT ELEV

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): CMI

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	274100.00	274200.00	274300.00	274400.00	274500.00	274600.00	274700.00	274800.00	274900.00
4061700.00	0.22126	0.22900	0.24015	0.25208	0.26247	0.27230	0.28374	0.29495	0.30138
4061600.00	0.24556	0.25225	0.26107	0.27319	0.28689	0.30025	0.31364	0.32785	0.34010
4061500.00	0.26563	0.27874	0.28951	0.30089	0.31484	0.33085	0.34797	0.36580	0.38349
4061400.00	0.27226	0.29602	0.31655	0.33398	0.35044	0.36798	0.38754	0.40966	0.43308
4061300.00	0.27110	0.29981	0.33030	0.35974	0.38683	0.41208	0.43659	0.46228	0.49161
4061200.00	0.28218	0.30566	0.33620	0.37214	0.41080	0.45014	0.48899	0.52610	0.56306
4061100.00	0.31744	0.33438	0.35786	0.38957	0.42956	0.47651	0.52926	0.58659	0.64457
4061000.00	0.36885	0.38649	0.40733	0.43414	0.46968	0.51539	0.57117	0.63780	0.71729
4060900.00	0.42196	0.44841	0.47594	0.50599	0.54155	0.58671	0.64493	0.71710	0.80407
4060800.00	0.46861	0.50607	0.54686	0.59077	0.63854	0.69181	0.75614	0.83832	0.94368
4060700.00	0.51912	0.56441	0.61634	0.67586	0.74371	0.82053	0.90783	1.01019	1.13769
4060600.00	0.57544	0.62855	0.69027	0.76261	0.84824	0.95046	1.07322	1.22115	1.40100
4060500.00	0.61115	0.66933	0.73718	0.81712	0.91242	1.02752	1.16869	1.34479	1.56858
4060400.00	0.60114	0.65841	0.72523	0.80401	0.89800	1.01169	1.15141	1.32635	1.55024
4060300.00	0.54673	0.59800	0.65793	0.72867	0.81303	0.91478	1.03895	1.19262	1.38633
4060200.00	0.47635	0.51910	0.56834	0.62526	0.69142	0.76897	0.86106	0.97269	1.11142
4060100.00	0.41808	0.45235	0.49076	0.53418	0.58403	0.64239	0.71204	0.79609	0.89707
4060000.00	0.37214	0.39893	0.42905	0.46352	0.50352	0.55009	0.60371	0.66378	0.72864
4059900.00	0.32964	0.35114	0.37575	0.40395	0.43594	0.47141	0.50927	0.54791	0.58628
4059800.00	0.29092	0.30976	0.33122	0.35509	0.38056	0.40602	0.42963	0.45037	0.46798
4059700.00	0.26202	0.27958	0.29816	0.31640	0.33253	0.34525	0.35470	0.36202	0.36912
4059600.00	0.24178	0.25544	0.26719	0.27582	0.28114	0.28436	0.28735	0.29199	0.30030
4059500.00	0.22058	0.22694	0.23032	0.23140	0.23190	0.23367	0.23790	0.24513	0.25580
4059400.00	0.19334	0.19357	0.19269	0.19245	0.19432	0.19873	0.20518	0.21348	0.22466
4059300.00	0.16397	0.16249	0.16246	0.16486	0.16947	0.17520	0.18158	0.18983	0.20117
4059200.00	0.13879	0.13936	0.14235	0.14702	0.15199	0.15682	0.16285	0.17166	0.18257

DEFAULT ELEV

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CMI

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	275000.00	275100.00	275200.00	275300.00	275400.00	275500.00	275600.00	275700.00	275800.00
4061700.00	0.29912	0.28204	0.25679	0.23457	0.21241	0.19998	0.18904	0.17324	0.15149
4061600.00	0.34540	0.33699	0.31120	0.28346	0.25550	0.23416	0.22177	0.20142	0.17362
4061500.00	0.39699	0.39901	0.38054	0.34789	0.31424	0.28143	0.26349	0.23854	0.20168
4061400.00	0.45540	0.46976	0.46417	0.43379	0.39397	0.34932	0.31928	0.28821	0.23847
4061300.00	0.52238	0.55097	0.56391	0.54535	0.50339	0.44766	0.39945	0.35601	0.28873
4061200.00	0.60391	0.64531	0.68175	0.68818	0.65300	0.59174	0.52068	0.45320	0.36053
4061100.00	0.70224	0.76344	0.82234	0.86676	0.86024	0.80206	0.71066	0.60447	0.46805
4061000.00	0.80648	0.90086	1.00015	1.09133	1.14298	1.11529	1.01603	0.85916	0.64154
4060900.00	0.91173	1.04466	1.20136	1.37371	1.52895	1.59419	1.52467	1.31967	0.96093
4060800.00	1.07418	1.23584	1.44146	1.70941	2.03077	2.32930	2.43176	2.22272	1.64900
4060700.00	1.30501	1.52572	1.81654	2.20385	2.73501	3.45392	4.20072	4.29649	3.45603
4060600.00	1.62658	1.92679	2.34817	2.96198	3.90635	5.47578	8.45650	13.15051	12.50575
4060500.00	1.85828	2.24184	2.77271	3.56740	4.86832	7.29409	13.11432	87.31485	98.87219
4060400.00	1.84432	2.24289	2.84821	3.63496	4.96585	7.41538	13.37180	89.01448	103.49942
4060300.00	1.63682	1.97249	2.44214	3.13078	4.21270	6.16891	11.06833	86.27573	101.66885
4060200.00	1.28778	1.51474	1.80811	2.19576	2.73685	3.56746	5.04702	10.84304	19.53698
4060100.00	1.01584	1.15231	1.30917	1.49260	1.71523	1.97558	2.37528	3.85332	5.44412
4059900.00	0.79723	0.87029	0.94739	1.02979	1.12297	1.23141	1.48266	2.33498	2.97212
4059800.00	0.62355	0.65806	0.69280	0.73725	0.79396	0.85874	1.08452	1.65985	2.03809
4059700.00	0.48296	0.49992	0.52621	0.56443	0.60410	0.64921	0.85754	1.27788	1.55407
4059600.00	0.37975	0.39800	0.42566	0.45673	0.47665	0.51702	0.70889	1.03809	1.25470
4059500.00	0.31405	0.33444	0.35901	0.37620	0.38442	0.42840	0.60642	0.87622	1.04759
4059400.00	0.27090	0.28997	0.30635	0.31191	0.31655	0.36756	0.53390	0.75900	0.89404
4059300.00	0.23935	0.25416	0.26180	0.25994	0.26667	0.32593	0.48032	0.66896	0.77505
4059200.00	0.21400	0.22307	0.22297	0.21853	0.23099	0.29711	0.43856	0.59678	0.67999
4059100.00	0.19189	0.19457	0.18951	0.18679	0.20599	0.27645	0.40425	0.53721	0.60239

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTS:
CONC

DEFAULT ELEV

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): CMI

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	275900.00	276000.00	276100.00	276200.00	276300.00	276400.00	276500.00	276600.00	276700.00
4061700.00	0.11565	0.08041	0.05396	0.04464	0.04399	0.04633	0.04865	0.04924	0.04765
4061600.00	0.13141	0.08988	0.06075	0.05164	0.05175	0.05492	0.05646	0.05519	0.05047
4061500.00	0.15130	0.10189	0.06967	0.06072	0.06213	0.06533	0.06469	0.06010	0.05182
4061400.00	0.17700	0.11772	0.08149	0.07302	0.07579	0.07698	0.07246	0.06358	0.05298
4061300.00	0.21129	0.13926	0.09757	0.09013	0.09260	0.08899	0.07925	0.06688	0.05774
4061200.00	0.25907	0.16949	0.12038	0.11345	0.11164	0.10104	0.08652	0.07510	0.07200
4061100.00	0.32961	0.21376	0.15348	0.14348	0.13295	0.11562	0.10120	0.09634	0.09956
4061000.00	0.44201	0.28231	0.20080	0.18216	0.16187	0.14265	0.13457	0.13655	0.14162
4060900.00	0.64149	0.39361	0.27212	0.24225	0.21453	0.20049	0.20031	0.20503	0.20865
4060800.00	1.05590	0.59793	0.40830	0.35994	0.33331	0.32618	0.32439	0.31798	0.30314
4060700.00	2.25670	1.13086	0.75481	0.66518	0.60474	0.54843	0.49067	0.43346	0.38158
4060600.00	10.17885	4.75631	1.95571	1.34993	1.03036	0.82863	0.68258	0.57133	0.48394
4060500.00	97.37489	84.26500	9.14564	3.96943	2.37434	1.62575	1.19928	0.92540	0.73613
4060400.00	104.53209	92.24633	15.45335	7.63198	4.46620	2.93802	2.07702	1.54069	1.18791
4060300.00	104.44006	94.39844	18.15355	10.08915	6.28263	4.20805	3.01608	2.27438	1.77702
4060200.00	23.63061	24.05424	16.27683	10.56538	7.23371	5.09799	3.71372	2.81507	2.20826
4060100.00	7.57995	8.90707	8.88871	8.00317	6.43905	5.01674	3.88145	3.03191	2.41921
4060000.00	3.77517	4.42830	4.86772	5.21890	4.98932	4.34193	3.60691	2.93965	2.40371
4059900.00	2.38464	2.56496	2.82592	3.29233	3.53263	3.47394	3.16268	2.74048	2.31092
4059800.00	1.70378	1.69730	1.78471	2.11141	2.42185	2.58273	2.58248	2.42054	2.16255
4059700.00	1.31049	1.22340	1.23042	1.42502	1.67188	1.86996	1.98648	2.00914	1.92038
4059600.00	1.05622	0.93973	0.90019	1.01959	1.19587	1.36185	1.49355	1.58456	1.61649
4059500.00	0.87834	0.75788	0.69121	0.75875	0.89035	1.02167	1.13109	1.22425	1.29917
4059400.00	0.74700	0.63323	0.55442	0.58321	0.67995	0.78953	0.88105	0.95447	1.02462
4059300.00	0.64629	0.54269	0.46138	0.46316	0.52965	0.62034	0.70342	0.76535	0.81673
4059200.00	0.56681	0.47388	0.39512	0.38000	0.42131	0.49293	0.56812	0.62786	0.66959

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTS:
CONC

DEFAULT ELEV

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CMI ,

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	276800.00	276900.00	277000.00	X-COORD (METERS)
4061700.00	0.04270	0.03565	0.02941	
4061600.00	0.04275	0.03521	0.03072	
4061500.00	0.04282	0.03708	0.03599	
4061400.00	0.04571	0.04421	0.04723	
4061300.00	0.05563	0.05912	0.06441	
4061200.00	0.07565	0.08110	0.08478	
4061100.00	0.10485	0.10825	0.10952	
4061000.00	0.14534	0.14709	0.14720	
4060900.00	0.20845	0.20432	0.19771	
4060800.00	0.28304	0.26159	0.24046	
4060700.00	0.33684	0.29783	0.26292	
4060600.00	0.41255	0.35336	0.30459	
4060500.00	0.60029	0.50035	0.42520	
4060400.00	0.94680	0.77571	0.64987	
4060300.00	1.42151	1.15708	0.95660	
4060200.00	1.78247	1.47053	1.23147	
4060100.00	1.97048	1.63638	1.38346	
4060000.00	1.99716	1.68366	1.43693	
4059900.00	1.93840	1.64460	1.41522	
4059800.00	1.87641	1.61024	1.38753	
4059700.00	1.75297	1.55510	1.36269	
4059600.00	1.56704	1.45282	1.30972	
4059500.00	1.33442	1.30771	1.22698	
4059400.00	1.08829	1.12399	1.11125	
4059300.00	0.87237	0.92744	0.96219	
4059200.00	0.70757	0.75343	0.80157	

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***

**MODELOPTS:
CONC

DEFAULT ELEV

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CMI ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
275485.00	4060729.00	2.98047	275743.00	4061255.00	0.36555
276272.00	4061239.00	0.10455	275586.00	4061193.00	0.54078
276285.00	4061170.00	0.11897	276826.00	4059345.00	0.97906
275723.00	4059493.00	0.79465	275517.00	4059743.00	0.58400

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTS:
CONC

DEFAULT ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CMI

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	274100.00	274200.00	274300.00	274400.00	274500.00
4061700.0	43.77981 (02020103)	44.00241 (02020103)	45.17175 (02011102)	65.75968 (02011102)	77.25150 (02011102)
4061600.0	45.69625 (02121823)	45.64797 (02020103)	48.46484 (02020103)	46.74694 (02011102)	69.81068 (02011102)
4061500.0	46.02932 (02012902)	48.72960 (02121823)	49.07241 (02121823)	52.69226 (02020103)	49.97831 (02020103)
4061400.0	47.37921 (02120722)	48.11666 (02012902)	50.78455 (02012902)	54.59687 (02121823)	56.46070 (02020103)
4061300.0	48.26350 (02020606)	50.69540 (02120722)	52.36085 (02120722)	55.02236 (02012902)	58.87250 (02121823)
4061200.0	49.39667 (02012506)	51.64616 (02012506)	54.06151 (02020606)	57.24640 (02120722)	58.24585 (02120722)
4061100.0	48.22747 (02030904)	50.13403 (02030904)	54.85584 (02012506)	58.33627 (02012506)	61.21017 (02020606)
4061000.0	50.96188 (02011623)	53.52238 (02122501)	55.56149 (02122501)	57.03593 (02030904)	61.41495 (02012506)
4060900.0	48.39463 (02010206)	52.31705 (02120406)	56.62355 (02120406)	59.95023 (02011623)	63.46610 (02122501)
4060800.0	51.19946 (02011522)	53.73201 (02011522)	55.60258 (02011522)	56.74291 (02032204)	61.98553 (02010206)
4060700.0	51.56383 (02120401)	53.51742 (02120401)	55.26790 (02120401)	58.54212 (02011522)	63.14511 (02011522)
4060600.0	66.11324 (02120317)	69.36922 (02120317)	72.89799 (02120317)	76.73298 (02120317)	80.91768 (02120317)
4060500.0	92.64018 (02120317)	99.01701 (02120317)	106.18670 (02120317)	114.29611 (02120317)	123.54594 (02120317)
4060400.0	106.92262 (02120317)	114.91247 (02120317)	123.97232 (02120317)	134.28706 (02120317)	146.14186 (02120317)
4060300.0	101.94739 (02120317)	108.85822 (02120317)	116.57403 (02120317)	125.25417 (02120317)	135.08939 (02120317)
4060200.0	80.22397 (02120317)	84.05817 (02120317)	88.15987 (02120317)	92.54881 (02120317)	97.26176 (02120317)
4060100.0	51.98148 (02120317)	55.10934 (02021123)	63.37109 (02021123)	71.31947 (02021123)	78.64350 (02021123)
4060000.0	62.34784 (02021123)	66.82170 (02021123)	70.31773 (02021123)	72.65549 (02021123)	73.61355 (02021123)
4059900.0	58.00687 (02021123)	56.73691 (02021123)	53.92818 (02021123)	49.43219 (02021123)	45.67066 (02012501)
4059800.0	36.15897 (02011205)	37.78898 (02012501)	39.55838 (02103005)	42.31424 (02012105)	44.94561 (02031506)
4059700.0	35.18369 (02103005)	37.21039 (02012105)	39.08021 (02031506)	41.38096 (02110306)	52.35830 (02012824)
4059600.0	34.25494 (02031506)	36.33287 (02110306)	41.60963 (02012824)	56.39956 (02012824)	68.14362 (02012824)
4059500.0	33.72538 (02020321)	46.28408 (02012824)	57.73872 (02012824)	64.46677 (02012824)	63.82708 (02012824)
4059400.0	48.84333 (02012824)	56.49905 (02012824)	58.52909 (02012824)	53.60209 (02012824)	42.49913 (02012824)
4059300.0	53.07472 (02012824)	51.19663 (02012824)	43.54409 (02012824)	35.67080 (02112805)	38.47157 (02101503)
4059200.0	43.33539 (02012824)	34.37930 (02012824)	33.16671 (02101503)	35.67571 (02022606)	37.27842 (02022503)

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTs:
CONC

DEFAULT ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CMI

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	274600.00	274700.00	274800.00	274900.00	275000.00
4061700.0	72.28551 (02011102)	52.84977 (02011102)	58.75818 (02082805)	56.88199 (02101224)	62.40348 (02010706)
4061600.0	83.36907 (02011102)	78.49571 (02011102)	57.13519 (02011102)	63.11688 (02082805)	65.34496 (02010706)
4061500.0	74.33301 (02011102)	90.38401 (02011102)	85.69968 (02011102)	63.32625 (02082805)	67.27134 (02082805)
4061400.0	56.90461 (02020103)	79.42823 (02011102)	98.52302 (02011102)	94.16726 (02011102)	71.51321 (02082805)
4061300.0	59.52265 (02020103)	64.02753 (02020103)	85.23318 (02011102)	108.10901 (02011102)	104.27005 (02011102)
4061200.0	62.49839 (02012902)	67.23643 (02121823)	71.08392 (02020103)	91.94203 (02011102)	119.59065 (02011102)
4061100.0	65.22495 (02120722)	67.26960 (02012902)	73.62035 (02121823)	77.74518 (02020103)	99.84127 (02011102)
4061000.0	66.53819 (02012506)	70.28156 (02020606)	75.32108 (02120722)	79.57807 (02012902)	86.96587 (02121823)
4060900.0	65.96813 (02122501)	69.57387 (02012506)	76.89329 (02012506)	82.27683 (02020606)	88.87154 (02120722)
4060800.0	67.41905 (02120406)	72.22832 (02011623)	77.34400 (02122501)	81.39823 (02122501)	90.62689 (02012506)
4060700.0	67.30436 (02011522)	71.18793 (02011522)	75.43280 (02010206)	82.97181 (02120406)	90.61131 (02011623)
4060600.0	85.50792 (02120317)	90.58151 (02120317)	96.24694 (02120317)	102.65035 (02120317)	110.01328 (02120317)
4060500.0	134.19394 (02120317)	146.55496 (02120317)	161.10130 (02120317)	178.47472 (02120317)	199.66884 (02120317)
4060400.0	159.85103 (02120317)	175.83690 (02120317)	194.66806 (02120317)	217.08444 (02120317)	244.07335 (02120317)
4060300.0	146.31519 (02120317)	159.21925 (02120317)	174.21664 (02120317)	191.90524 (02120317)	213.15149 (02120317)
4060200.0	102.32927 (02120317)	107.80219 (02120317)	113.75241 (02120317)	120.28059 (02120317)	127.52891 (02120317)
4060100.0	85.17841 (02021123)	90.91577 (02021123)	95.89536 (02021123)	99.94607 (02021123)	102.33734 (02021123)
4060000.0	72.85551 (02021123)	69.84986 (02021123)	63.98101 (02021123)	62.05392 (02012105)	81.20979 (02012824)
4059900.0	48.73081 (02103005)	52.20475 (02012105)	60.49144 (02012824)	84.70850 (02012824)	104.24557 (02012824)
4059800.0	47.74303 (02110306)	66.33463 (02012824)	84.38646 (02012824)	94.96631 (02012824)	92.87232 (02012824)
4059700.0	68.87247 (02012824)	80.35337 (02012824)	82.57293 (02012824)	72.71116 (02012824)	60.63350 (02022606)
4059600.0	73.14906 (02012824)	68.68586 (02012824)	54.77166 (02012824)	54.11676 (02022606)	57.38404 (02022504)
4059500.0	54.94091 (02012824)	45.65661 (02101503)	48.82402 (02021201)	51.25749 (02022504)	60.47483 (02022423)
4059400.0	42.00374 (02101503)	44.33543 (02021201)	46.16283 (02022504)	48.20266 (02022423)	80.03353 (02022423)
4059300.0	40.42319 (02022503)	41.85263 (02022504)	43.81556 (02071004)	67.52636 (02022423)	85.46687 (02022423)
4059200.0	38.16268 (02022504)	40.11569 (02071004)	56.67382 (02022423)	76.65189 (02022423)	76.00162 (02022423)

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTS:
CONC

DEFAULT ELEV

ALL

VALUES FOR SOURCE GROUP:

CONCENTRATION

1-HR AVERAGE
INCLUDING SOURCE(S):

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	275100.00	275200.00	275300.00	275400.00	275500.00
4061700.0	66.24468 (02012722)	63.89953 (02122801)	86.76931 (02041303)	116.86247 (02041303)	107.66224 (02041303)
4061600.0	68.89063 (02022801)	71.67514 (02012722)	72.83340 (02041303)	119.85560 (02041303)	121.97996 (02041303)
4061500.0	73.11264 (02010706)	75.34068 (02012722)	74.45892 (02122801)	118.27381 (02041303)	133.79944 (02041303)
4061400.0	72.94718 (02101224)	79.18099 (02010706)	83.59579 (02012722)	109.62817 (02041303)	143.73897 (02041303)
4061300.0	80.51689 (02082805)	84.00233 (02010706)	88.78790 (02022801)	91.71825 (02041303)	151.89424 (02041303)
4061200.0	116.57218 (02011102)	90.37854 (02082805)	96.46581 (02010706)	99.82633 (02012722)	156.08069 (02041303)
4061100.0	133.67780 (02011102)	131.93654 (02011102)	101.14755 (02082805)	107.32152 (02022801)	150.10248 (02041303)
4060900.0	97.57275 (02121823)	121.37771 (02011102)	174.92761 (02011102)	178.89557 (02011102)	142.28352 (02010706)
4060800.0	99.17062 (02020606)	108.91320 (02120722)	137.26726 (02011102)	207.77759 (02011102)	218.85588 (02011102)
4060700.0	99.27583 (02122501)	110.57472 (02012506)	125.68746 (02020606)	160.19586 (02011102)	258.69177 (02011102)
4060600.0	118.65159 (02120317)	129.02808 (02120317)	141.82559 (02120317)	158.10854 (02120317)	198.00763 (02011102)
4060500.0	226.20538 (02120317)	260.62793 (02120317)	307.53049 (02120317)	375.85245 (02120317)	485.70493 (02120317)
4060400.0	277.04413 (02120317)	318.02390 (02120317)	370.27316 (02120317)	440.06396 (02120317)	543.22461 (02120317)
4060300.0	239.35942 (02120317)	272.88654 (02120317)	318.04974 (02120317)	383.48257 (02120317)	489.23672 (02120317)
4060200.0	135.70486 (02120317)	145.09610 (02120317)	156.11226 (02021123)	177.48712 (02021123)	216.67793 (02012824)
4060100.0	101.40480 (02021123)	111.61094 (02012824)	146.81984 (02012824)	176.52541 (02012824)	180.78705 (02012824)
4060000.0	109.68031 (02012824)	131.65059 (02012824)	138.96945 (02012824)	117.68913 (02022423)	196.78288 (02022423)
4059900.0	113.36872 (02012824)	104.25250 (02012824)	87.04288 (02022504)	152.05580 (02022423)	167.53017 (02022423)
4059800.0	75.33934 (02012824)	74.44810 (02022504)	119.77271 (02022423)	146.86824 (02022423)	133.89006 (02021001)
4059700.0	64.91045 (02022504)	95.17978 (02022423)	127.82573 (02022423)	115.08729 (02022423)	125.54080 (02021001)
4059600.0	75.86006 (02022423)	110.21705 (02022423)	109.11216 (02022423)	101.05116 (02021001)	110.52806 (02021001)
4059500.0	94.25991 (02022423)	102.08774 (02022423)	78.17238 (02022423)	98.65620 (02021001)	91.94406 (02021001)
4059400.0	94.08404 (02022423)	78.92252 (02022423)	80.35133 (02021001)	89.86172 (02021001)	105.61400 (02020621)
4059300.0	78.17335 (02022423)	60.54108 (02021001)	80.21912 (02021001)	77.16364 (02021001)	123.21104 (02020621)
4059200.0	54.97701 (02022423)	66.08717 (02021001)	74.89042 (02021001)	62.76596 (02021001)	136.49573 (02020621)

*** AERMOD - VERSION 07026 ***
*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
*** MODELOPTs:
CONC

DEFAULT ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CMI

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	275600.00	275700.00	275800.00	275900.00	276000.00
4061700.0	66.96653 (02020320)	100.39747 (02022520)	110.55690 (02022520)	84.76334 (02022520)	43.80271 (02070305)
4061600.0	86.24745 (02041303)	106.24002 (02022520)	118.78700 (02022520)	93.38732 (02022520)	50.01057 (02070305)
4061500.0	110.57706 (02041303)	112.94345 (02022520)	127.94257 (02022520)	103.46346 (02022520)	56.31672 (02070305)
4061400.0	132.85809 (02041303)	120.79084 (02022520)	138.24014 (02022520)	115.33660 (02022520)	62.63502 (02070305)
4061300.0	152.00641 (02041303)	130.19025 (02022520)	150.03012 (02022520)	129.44267 (02022520)	69.05043 (02070305)
4061200.0	169.14186 (02041303)	143.27641 (02041303)	163.86986 (02022520)	146.37189 (02022520)	88.23063 (02122423)
4061100.0	186.81815 (02041303)	175.81538 (02041303)	180.67688 (02022520)	166.94615 (02022520)	122.84675 (02122423)
4061000.0	207.58417 (02041303)	205.70511 (02041303)	202.03043 (02022520)	192.41769 (02022520)	155.84126 (02122423)
4060900.0	231.50427 (02041303)	237.90355 (02041303)	230.82867 (02022520)	225.11249 (02022520)	187.54318 (02122423)
4060800.0	245.83601 (02041303)	281.92801 (02041303)	273.51566 (02041303)	270.51636 (02022520)	224.92651 (02122423)
4060700.0	287.37653 (02011102)	357.10202 (02041303)	356.02066 (02041303)	345.36847 (02022520)	285.58047 (02122423)
4060600.0	358.37827 (02011102)	573.94019 (02041303)	573.69403 (02041303)	557.42572 (02022520)	460.97455 (02122423)
4060500.0	699.28448 (02120317)	1447.79443 (02120317)	1285.11731 (02120317)	1045.41333 (02120317)	887.14386 (02020621)
4060400.0	740.02612 (02120317)	1469.01697 (02120317)	1291.40161 (02120317)	1216.20911 (02020621)	1048.73108 (02020621)
4060300.0	699.25372 (02120317)	1447.40613 (02120317)	1419.61743 (02020621)	1419.56250 (02020621)	1125.31323 (02113018)
4060200.0	295.92111 (02012824)	934.97424 (02020621)	935.99506 (02020621)	934.17615 (02020621)	555.14539 (02113018)
4060100.0	263.64453 (02022423)	617.01654 (02020621)	617.86365 (02020621)	607.24512 (02020621)	218.57578 (02113018)
4060000.0	195.43523 (02021001)	492.26657 (02020621)	493.08456 (02020621)	461.88354 (02020621)	120.79933 (02113018)
4059900.0	224.86555 (02020621)	418.31317 (02020621)	418.57880 (02020621)	362.04065 (02113018)	100.63438 (02020218)
4059800.0	249.41110 (02020621)	367.82419 (02020621)	366.19537 (02020621)	301.25262 (02113018)	87.50679 (02020218)
4059700.0	256.51227 (02020621)	330.53824 (02020621)	324.37961 (02020621)	250.12270 (02113018)	78.50720 (02020603)
4059600.0	254.08279 (02020621)	301.47598 (02020621)	287.04395 (02020621)	206.90028 (02113018)	71.37183 (02020603)
4059500.0	247.01239 (02020621)	277.71414 (02020621)	251.30765 (02020621)	170.85349 (02113018)	65.28992 (02020603)
4059400.0	237.97647 (02020621)	257.23187 (02020621)	226.71616 (02113018)	141.17162 (02113018)	59.74269 (02020603)
4059300.0	228.31094 (02020621)	238.49480 (02020621)	207.07289 (02113018)	116.95919 (02113018)	54.99828 (02072004)
4059200.0	218.61336 (02020621)	220.38216 (02020621)	188.51479 (02113018)	97.28223 (02113018)	51.47934 (02112703)

*** AERMOD - VERSION 07026 ***
*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** MODELOPTs:
CONC
DEFAULT ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CMI

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	276100.00	276200.00	276300.00	276400.00	276500.00
4061700.0	51.65538 (02070305)	62.20386 (02122423)	87.73100 (02122423)	85.50403 (02122423)	54.09086 (02122423)
4061600.0	54.94652 (02070305)	80.22275 (02122423)	96.86299 (02122423)	81.79021 (02122423)	51.42576 (02112523)
4061500.0	60.60334 (02122423)	96.89172 (02122423)	102.53589 (02122423)	72.17343 (02122423)	52.87219 (02101622)
4061400.0	84.41375 (02122423)	110.93557 (02122423)	103.58669 (02122423)	60.38365 (02112523)	60.15512 (02101622)
4061300.0	107.91273 (02122423)	122.25064 (02122423)	97.59539 (02122423)	65.67774 (02101622)	62.93373 (02011317)
4061200.0	128.77988 (02122423)	130.73213 (02122423)	82.07079 (02122423)	71.19331 (02101622)	65.13405 (02011317)
4061100.0	147.25871 (02122423)	133.77907 (02122423)	82.41152 (02101622)	76.81910 (02011317)	53.62021 (02011317)
4061000.0	165.82362 (02122423)	124.04198 (02122423)	90.03474 (02011317)	68.34460 (02011317)	65.19514 (02082622)
4060900.0	186.72946 (02122423)	107.26169 (02101622)	88.06892 (02011317)	84.71707 (02082622)	90.79596 (02082622)
4060800.0	203.07368 (02122423)	116.41087 (02011317)	111.12017 (02082622)	107.14228 (02032606)	94.18975 (02081705)
4060700.0	179.88297 (02122423)	149.13408 (02082622)	128.28221 (02032606)	106.22934 (0211107)	96.19339 (0211107)
4060600.0	212.65843 (02032606)	153.32768 (0211107)	126.85328 (02040104)	110.01269 (02122319)	97.97099 (02122319)
4060500.0	282.13382 (02021603)	209.63536 (02021603)	170.96867 (02021603)	144.57222 (02021603)	124.64861 (02031123)
4060400.0	284.99146 (02021124)	211.57722 (02021023)	174.77023 (02021023)	150.92732 (02021603)	134.16681 (02021603)
4060300.0	292.40814 (02021924)	213.10959 (02021124)	176.11163 (02021124)	152.14046 (02021124)	134.47371 (02021023)
4060200.0	299.87927 (02042203)	219.67061 (02120420)	178.55586 (02021924)	152.02190 (02021124)	135.37318 (02021124)
4060100.0	216.81067 (02123122)	221.28426 (02030502)	182.38010 (02022122)	156.40382 (02021924)	135.57954 (02030320)
4060000.0	121.96043 (02123302)	163.57581 (02123122)	178.04874 (02123122)	155.88150 (02042203)	137.45543 (02120420)
4059900.0	101.63370 (02120922)	99.73233 (02101924)	131.88748 (02123122)	150.08792 (02123122)	134.55859 (02053002)
4059800.0	88.36369 (02012303)	88.18622 (02122302)	83.98846 (02031819)	110.09437 (02123122)	129.59337 (02123122)
4059700.0	78.88660 (02012303)	77.84431 (02120922)	75.75653 (02082605)	72.11129 (02031819)	93.88764 (02123122)
4059600.0	70.90371 (02020218)	69.67796 (02120922)	69.35751 (02122302)	66.74136 (02101924)	63.84191 (02122421)
4059500.0	64.84084 (02020218)	64.39592 (02012303)	62.88465 (02091501)	61.63556 (02120218)	58.82710 (02072005)
4059400.0	59.50162 (02053001)	59.49993 (02120203)	58.12994 (02120922)	56.81024 (02041302)	54.67408 (02082605)
4059300.0	54.60931 (02053001)	54.27359 (02120203)	52.32066 (02012303)	52.65180 (02091501)	52.02565 (02122302)
4059200.0	50.67015 (02020603)	51.22665 (02020218)	50.56721 (02012303)	49.57695 (02120922)	48.29790 (02041302)

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTS:
CONC

DEFAULT ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): CMI

*** NETWORK ID: MAIN ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	276600.00	276700.00	276800.00	276900.00	277000.00
4061700.0	42.57615 (02101622)	46.87325 (02101622)	44.43960 (02011317)	39.74731 (02011317)	26.52530 (02011317)
4061600.0	50.73191 (02101622)	47.16571 (02011317)	45.30700 (02011317)	31.98154 (02011317)	21.31266 (02111320)
4061500.0	53.04353 (02101622)	51.15142 (02011317)	38.45213 (02011317)	23.60247 (02111320)	25.79310 (02111320)
4061400.0	57.10667 (02011317)	46.05698 (02011317)	26.35687 (02011317)	28.49194 (02111320)	35.36690 (02082622)
4061300.0	54.91494 (02011317)	33.34557 (02011317)	31.69241 (02111320)	43.60880 (02082622)	51.93731 (02082622)
4061200.0	42.25013 (02011317)	38.50084 (02082622)	53.28127 (02082622)	59.11321 (02082622)	56.30418 (02032606)
4061100.0	50.19151 (02082622)	64.42582 (02082622)	66.11566 (02082622)	63.64395 (02032606)	57.88713 (02081705)
4060900.0	76.99907 (02082622)	74.00051 (02032606)	69.16551 (02032606)	59.44952 (02081705)	53.48709 (02010722)
4060800.0	85.07719 (02032606)	74.06434 (02081705)	64.17863 (02010722)	64.03860 (02111107)	61.54650 (02111107)
4060700.0	79.82918 (02111107)	77.67957 (02111107)	71.76156 (02111107)	66.96107 (02040104)	62.98577 (02040104)
4060600.0	86.87576 (02040104)	79.64469 (02040104)	72.74062 (02122118)	68.56715 (02122319)	64.51215 (02122319)
4060500.0	88.54993 (02122319)	80.51770 (02122319)	72.87023 (02122319)	66.05449 (02012418)	62.27922 (02012418)
4060400.0	110.27835 (02031123)	98.64999 (02031123)	89.04272 (02031123)	80.99419 (02042419)	74.28909 (02091405)
4060300.0	121.45058 (02021603)	111.35873 (02021603)	103.06339 (02021603)	96.04018 (02021603)	89.94480 (02021603)
4060200.0	121.74871 (02021023)	111.66592 (02021023)	103.36179 (02021023)	96.23466 (02021023)	89.82108 (02021023)
4060100.0	122.60045 (02021124)	112.28208 (02021124)	103.19839 (02021124)	94.79757 (02052322)	89.25846 (02052322)
4059900.0	116.10353 (02041323)	108.77911 (02040705)	101.34703 (02021124)	96.16907 (02021124)	90.85213 (02021124)
4059800.0	124.67873 (02021924)	111.08030 (02030320)	96.30112 (02030320)	87.30756 (02041323)	86.08813 (02041323)
4059700.0	123.25418 (02022122)	112.89611 (02120420)	104.41116 (02021924)	94.32384 (02030320)	82.95207 (02030320)
4059600.0	118.94151 (02053002)	110.05270 (02042203)	102.26674 (02022122)	95.86637 (02120420)	89.90903 (02021924)
4059500.0	113.72026 (02123122)	107.06775 (02030502)	100.44078 (02042203)	93.89963 (02022122)	86.81054 (02120420)
4059400.0	81.22578 (02123122)	100.93870 (02123122)	97.28671 (02030502)	90.47206 (02053002)	84.61008 (02042203)
4059300.0	57.23859 (02122421)	71.66660 (02092901)	90.36248 (02123122)	88.25533 (02030502)	83.82607 (02053002)
4059200.0	52.98290 (02031819)	51.38347 (02122421)	64.25537 (02092901)	81.40752 (02123122)	80.19738 (02123122)
4059100.0	49.90357 (02101924)	47.64869 (02031819)	46.17618 (02122421)	58.02148 (02092901)	73.70306 (02123122)
4059000.0	46.84206 (02082605)	45.19415 (02072005)	42.40002 (02031819)	41.89484 (02042804)	52.70266 (02092901)

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***

**MODELOPTS:
CONC

DEFAULT ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): CMI ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

X-COORD (M)		Y-COORD (M)		CONC		IN MICROGRAMS/M**3		CONC		(YYMMDDHH)	
275485.00	4060729.00	252.51311	(02011102)	275743.00	4061255.00	150.71848	(02022520)	150.71848	(02022520)		
276272.00	4061239.00	105.99519	(02122423)	275586.00	4061193.00	170.75462	(02041303)	170.75462	(02041303)		
276285.00	4061170.00	87.03300	(02122423)	276826.00	4059345.00	57.68185	(02042804)	57.68185	(02042804)		
275723.00	4059493.00	275.15594	(02020621)	275517.00	4059743.00	132.62939	(02021001)	132.62939	(02021001)		

*** AERMOD - VERSION 07026 ***
*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

**MODELOPTS:
CONC
DEFAULT ELEV

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	NETWORK
ALL	104.53209 AT (	275900.00, 4060400.00,	0.00,	0.00,	0.00) GC MAIN
	1ST HIGHEST VALUE IS				
	104.44006 AT (	275900.00, 4060300.00,	0.00,	0.00,	0.00) GC MAIN
	2ND HIGHEST VALUE IS				
	103.49942 AT (	275800.00, 4060400.00,	0.00,	0.00,	0.00) GC MAIN
	3RD HIGHEST VALUE IS				
	101.66885 AT (	275800.00, 4060300.00,	0.00,	0.00,	0.00) GC MAIN
	4TH HIGHEST VALUE IS				
	98.87219 AT (	275800.00, 4060500.00,	0.00,	0.00,	0.00) GC MAIN
	5TH HIGHEST VALUE IS				
	97.37489 AT (	275900.00, 4060500.00,	0.00,	0.00,	0.00) GC MAIN
	6TH HIGHEST VALUE IS				
	94.39844 AT (	276000.00, 4060300.00,	0.00,	0.00,	0.00) GC MAIN
	7TH HIGHEST VALUE IS				
	92.24633 AT (	276000.00, 4060400.00,	0.00,	0.00,	0.00) GC MAIN
	8TH HIGHEST VALUE IS				
	89.01448 AT (	275700.00, 4060400.00,	0.00,	0.00,	0.00) GC MAIN
	9TH HIGHEST VALUE IS				
	87.31485 AT (	275700.00, 4060500.00,	0.00,	0.00,	0.00) GC MAIN
	10TH HIGHEST VALUE IS				

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

*** King's River / CMI AERMOD Modeling 2002 Met Data from Fresno
*** File:CMI_02.ADI

*** AERMOD - VERSION 07026 ***
**MODELOPTS:
CONC

DEFAULT ELEV

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 1469.01697	ON 02120317: AT (275700.00,	4060400.00,	0.00) GC MAIN

**

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

*** RECEPTOR TYPES:
GC = GRIDCART
GP = GRIDPOUR
DC = DISCCART
DP = DISCPOUR

