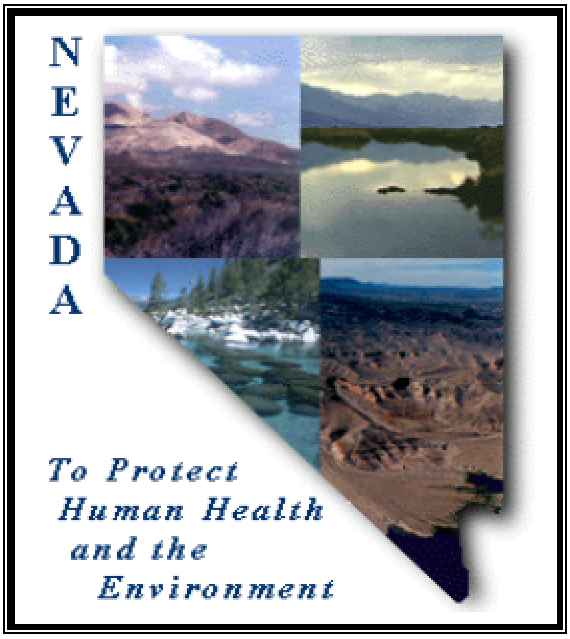


Revised Air Quality Modeling Report

Assessment of PSD Increment in the Fernley Area and Truckee River Corridor

Prepared for

State of Nevada
Division of Environmental Protection

Prepared by

Tetra Tech EM Inc.
4940 Pearl East Circle, Suite 100
Boulder, Colorado 80301

August 2003

CONTENTS

CONTENTS (Continued)

Section **Page**

Appendix

TABLES

Tables

FIGURES

Figures

EXECUTIVE SUMMARY

GOALS

The objective of this modeling analysis was to evaluate and document the current status of Prevention of Significant Deterioration (PSD) increment in Nevada's hydrographic areas 76, 83, and 85 (HA76, HA83, and HA85), while establishing a PSD increment tracking system. To achieve these objectives, a PSD increment source inventory was developed and PSD increment modeling was completed.

This report represents a revised version of the previously completed PSD impact modeling conducted for the Air Quality Modeling Report: Assessment of PSD Increment in the Fernley Area and Truckee River Corridor, as originally provided to the Nevada Division of Environmental Protection (NDEP) on March 14, 2002. Tetra Tech updated the PSD increment analyses for Air Quality Control Regions (AQCRs) HA76, HA83, and HA85.

PROJECT PHASES

The state of PSD increments in HA76, HA83, and HA85 was evaluated and the increment tracking system produced in seven project phases. Each phase included components for emissions inventorying, information technology (IT), and geographic information system (GIS). Details about the seven phases explain how current PSD increment was modeled and how the PSD increment tracking system was developed.

PSD INCREMENT

PSD regulations are intended to help preserve existing clean air resources while still allowing economic growth, and PSD increments are an important part of the program to achieve this objective. PSD increments are the maximum permissible level of increased air quality impacts that may occur beyond a baseline air quality level. Allowable PSD increments have been established for sulfur dioxide (SO_2), nitrogen dioxide (NO_2), and particulate matter smaller than 10 microns (PM_{10}) but do not exist for other pollutants. It is important to note that regulations do not allow total air quality impacts beyond the applicable National Ambient Air Quality Standards (NAAQS) limits, even if all the PSD increment is not consumed (EPA 1990).

PSD increments are tracked on a pollutant-by-pollutant and planning area by planning area basis. PSD increments are only affected by changes to the inventory of sources and emissions since the baseline date that meet specific regulatory criteria. PSD increment impacts represent net air quality impacts in a

triggered planning area, or the change compared to baseline conditions, resulting from applicable changes to pollutant sources. The effect of applicable changes on PSD increments is tracked by calculating net air quality impacts through the use of air quality dispersion models. Net changes can effectively result in either a lower air quality impact, referred to as increment expansion, or a higher air quality impact, referred to as increment consumption.

Net changes to the PSD increment are tracked on two key baseline dates, one for minor sources of the pollutant of concern and one for major sources of the pollutant of concern. Minor source baseline dates are established according to permitting activities in each planning area, while major source baseline dates are established within the Code of Federal Regulations (CFR) for each pollutant on a nationwide basis.

After the minor source baseline date for SO_2, NO_2, or PM_{10} is triggered in a planning area, PSD increment is impacted due to emissions from:

1. Changes at minor stationary sources and any area or mobile sources within the triggered planning area following the minor source baseline date for a particular pollutant for that planning area.
2. Changes at major sources within or outside the planning area following the major source baseline date for a particular pollutant.

The increases and decreases in impacts of triggered pollutants are primarily associated with construction at major stationary sources after the major source baseline date, or with any changes after the minor source baseline date at major or minor stationary sources and any area or mobile sources of the triggered pollutant.

EMISSION INVENTORIES

Emission rates used in each of the modeled scenarios were based on the emission inventories that were compiled for the current date and each baseline date. Sources of stationary point sources include the NDEP Paradox database; NDEP and Washoe County historical files; Nevada Minerals Industry Listings; permit applications from applicable sources; and State Mines Inspection Reports for the minor and major source baseline dates. The information gathered from these sources provided a comprehensive background for stationary sources within HA76, HA83, and HA85 for the emission inventories. Tetra Tech was also able to use the Aerometric Information Retrieval System Database (AIRData) National Air Pollutant Emission Trends (NET) to identify railroad, vehicle, and miscellaneous fugitive emissions on a countywide basis for the current date and minor source baseline dates.

PSD INCREMENT MODELING RESULTS

Based on the dispersion modeling analysis performed, there are no SO_2 PSD increment exceedences predicted in HA76, HA83, or HA85. Additionally, there were no annual PM_{10} PSD increment exceedences predicted in HA83. There are several NO_2 exceedences predicted along I-80 in the northeastern part of HA83. There are also several 24-hour PM_{10} PSD increment exceedences predicted in HA83 near the All-Lite Aggregate facility.

INCREMENT TRACKING SYSTEM

An Increment Tracking System (ITS), database and GIS desktop application was developed to permit access to major and minor source baseline information, annual emissions data, and permitted emissions data. The ITS provides users with a user-friendly graphical user interface (GUI) for entering data, querying data, generating model input files, and reporting capabilities. The ITS will be used to provide local planners, developers and industry with the tools necessary to assure maintenance of air quality within allowable limits.

1.0 INTRODUCTION

This effort was undertaken by Tetra Tech EM Inc. (Tetra Tech) to provide technical analysis and project coordination services to the Nevada Division of Environmental Protection (NDEP) Bureau of Air Pollution Control (BAPC) and Bureau of Air Quality Planning (BAQP) to accurately evaluate and document the current status of Prevention of Significant Deterioration (PSD) increments in hydrographic areas 76, 83, and 85 (HA76, HA83, and HA85). The information and tools that result from the project can be used to provide local planners, developers and industry with the tools necessary to assure maintenance of air quality within allowable limits.

This report represents a revised version of the previously completed PSD impact modeling conducted for the Air Quality Modeling Report: Assessment of PSD Increment in the Fernley Area and Truckee River Corridor, as originally provided to BAPC and BAQP on March 14, 2002. Tetra Tech updated the PSD increment analyses for Air Quality Control Regions (AQCRs) HA76, HA83, and HA85. The updates to the Truckee River Corridor study involved the use of the AERMOD dispersion model. The AERMOD dispersion model used was an executable version of the FORTRAN code compiled using an up to date version of the Lahey FORTRAN-90 compiler. The FORTRAN code was obtained directly from EPA, and the only modifications made to the code were for the purpose of increasing the source and receptor array sizes. The emission source inventory updates included updates to the Kal Kan, All-Lite, Eagle-Picher, Alcoa, and Sierra Pacific Power Company (SPPCo) Tracy facility source data. The proposed modeling used the full receptor sets established in the original Truckee River Corridor study for each AQCR. The most recent two years of AERMET processed meteorological data available, 2000 and 2001, were used for current impact modeling. Baseline modeling was accomplished using meteorological data years 2000 and 2001 for HA76, 1993 for HA83, and 1995 for HA85. Revised PSD increment impacts for HA83 and HA85 using the new source data were calculated using an unpaired-in-time analysis that subtracts the baseline impacts from the current impacts. However, a paired-in-time approach was used to determine the HA76 increments because a complete set of baseline 1982 meteorological data was not available.

This report is organized to give the reader some background about the project's goals and phases, as well as background on the regulations driving this project. The report then describes key components in the project, such as the emission inventory and air quality modeling of the PSD increment in HA76, HA83, and HA85. The final section of the report summarizes the results of the PSD increment study and Tetra Tech's recommendations for future actions. All modeling files used in this study are presented in Appendix A.

2.0 BACKGROUND

The evaluation focused on the air quality planning areas HA76, HA83, and HA85 because the minor source baseline dates have been triggered in these HAs by PSD permit applications for major sources. In the Fernley area, the sulfur dioxide (SO_2) minor source baseline date was triggered for HA76 on October 26, 1982 as a result of an application submitted by Nevada Cement Company. In the Truckee River Corridor, the SO_2, nitrogen dioxide (NO_2), and particulate matter smaller that 10 microns (PM_{10}) minor source baseline dates were triggered for HA83 on March 11, 1994, and the SO_2 minor source baseline date was triggered for the planning area represented by HA85 on January 9, 1996, each as a result of permit applications submitted by Sierra Pacific Power Company for modifications at the Tracy Generating Station. Because the minor source baseline dates were triggered in the planning area, PSD increment must be tracked to ensure that air quality does not deteriorate beyond the specified regulatory increment for each of the triggered pollutants.

The PSD increment evaluation is based on the changes in modeled concentrations of airborne contaminants from pollutant emissions as of the major or minor baseline dates compared with modeled concentrations from current pollutant emissions. PSD increment impacts occur with changes to affected stationary, area, or mobile sources that existed as of the major and minor baseline dates. Changes that affect PSD increment impacts include increasing or decreasing emissions, increasing or decreasing effective stack height, changing the orientation of the stack (vertical or horizontal), and moving the location of a source.

Emission inventories were developed for each applicable pollutant, planning area, and baseline date using data from sources that included NDEP records, the U. S. Environmental Protection Agency's (EPA) Aerometric Information Retrieval System Database (AIRData), National Air Pollutant Emission Trends (NET) database, and Nevada Department of Transportation (NDOT) records. Baseline emission source data represent stationary source operations as of a given baseline date, and were based on available records from the closest date prior to the baseline date. In other words, Tetra Tech used emission data as near to the baseline date as possible where records exist, but before the baseline trigger date. In some cases, the only recorded emission data are two to three years prior to a given baseline date. Fugitive emissions caused by railroads, vehicles, and miscellaneous sources also consume PSD increment after the minor source baseline date. Therefore, minor source baseline inventories and the current emission inventory included fugitive emissions. The EPA maintains some records of these fugitive emissions for each county in every state in the AIRData NET database.

After the emission inventories were established, modeling was completed for each PSD triggered pollutant in HA76, HA83, and HA85. The results from modeling each emission inventory scenario were compared with modeling results from the current situation for each HA and pollutant. This analysis used the American Meteorological Society/EPA Regulatory Model Improvement Committee Dispersion Model (AERMOD). This model was selected for the study because EPA is in the process of adopting this model for regulatory use, and Tetra Tech and NDEP want to ensure that the PSD increment tracking system developed using this model is not outdated when the upgrade occurs. The algorithms AERMOD uses to model terrain effects are more complex than in the Industrial Source Complex Short-Term Model Version 3 (ISCST3), which is the current EPA dispersion model of choice.

An Increment Tracking System (ITS), database and geographic information system (GIS) desktop application was developed to permit access to major and minor source baseline information, annual emissions data, and permitted emissions data. The ITS combines the relational database capabilities of Microsoft Access with the spatial analysis capability of ArcView (a geographic information system) to provide the BAPC and BAQP a desktop application that will improve the current method of storing, maintaining, retrieving, and presenting emissions data. Additionally, the ITS generates AERMOD model input data, using user defined parameters, and imports, stores, and presents post–processed AERMOD output files to provide BAPC and BAQP a method of archiving and reviewing results from model runs. The ITS provides users with a user-friendly graphical user interface (GUI) for entering data, querying data, generating model input files, and reporting capabilities. Appendix B describes the ITS. Appendix C presents the final output maps.

2.1 GOALS

The objective of the analysis was to evaluate and document the current status of PSD increments in HA76, HA83, and HA85, while establishing a PSD increment tracking system. To achieve these objectives, PSD increment source inventories and PSD increment modeling were completed. The following interim goals were established and attained throughout the project:

- Identify and collect data on major point sources within a 50-kilometer (km) radius of HA76, HA83, and HA85 for facilities in operation as of the baseline dates for major sources for each pollutant
- Identify and collect data on point sources and area fugitive emissions for operations in the planning areas as of the appropriate baseline dates for each pollutant
- Identify and collect data for current major and minor point sources and area fugitive emissions for PM_{10}, nitrogen oxides (NO_x), and SO_2
- Develop emission inventories that pertain to each HA for baseline dates and the affiliated pollutants
- Create an initial PSD increment tracking system database

- Model each emission inventory scenario and subtract results for the baseline date from results for the current date to calculate existing PSD increment consumption and expansion
- Display PSD modeling results using GIS technology

The following section describes the project phases and how these goals were achieved.

2.2 PROJECT PHASES

The state of increment consumption in HA76, HA83, and HA85 was evaluated, and the increment tracking system was produced in seven project phases. Each phase included components for emissions inventorying, information technology (IT), and GIS. The seven phases described in the following sections explain how current PSD increment consumption was modeled and how the PSD increment tracking system was developed. Figure 2-1 is a flow diagram that shows the progression of the seven phases.

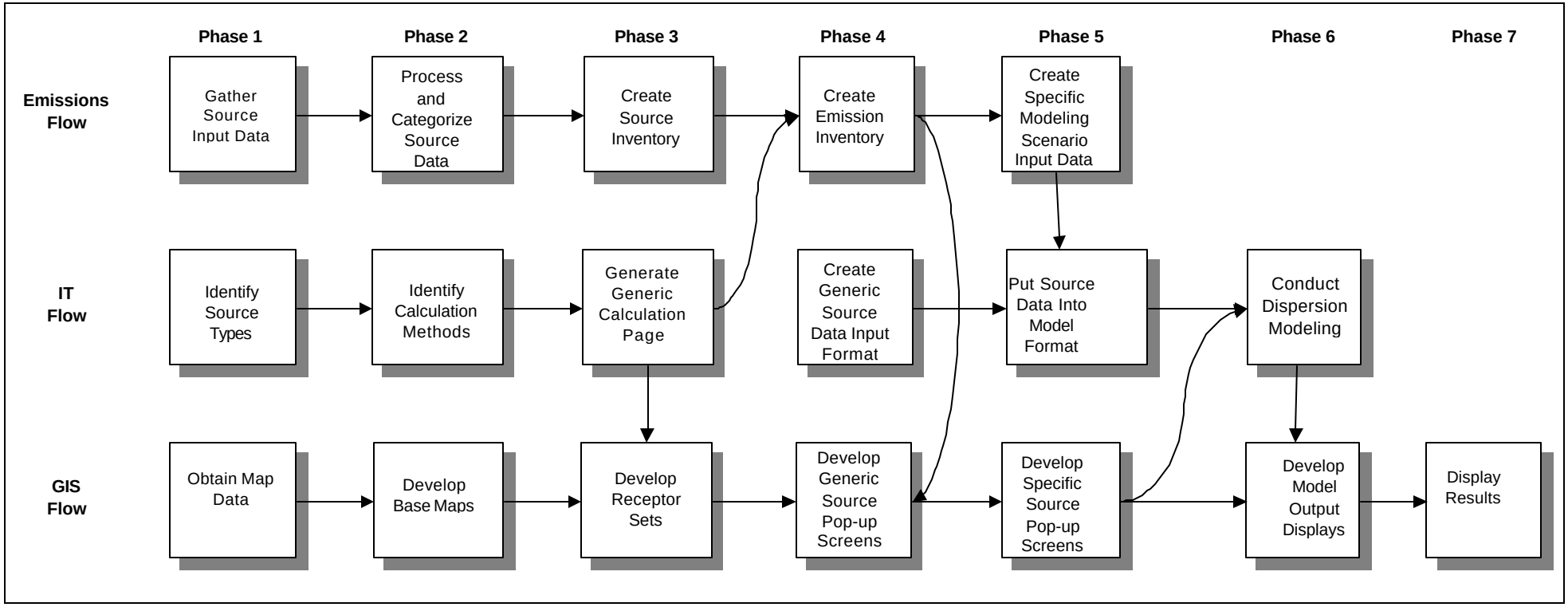
2.2.1 Phase I

In this phase, the project team met to explore the scope of the project and to fully explain the remaining six phases of the project. The project team was made up of air quality scientists, IT specialists, and GIS specialists. During Phase I, air quality scientists investigated sources of emissions data. They sought out available information on the Internet and selected the information that should be included in the investigation. Tetra Tech identified the source types that would be entered into the database, and established the parameters that would be needed in the database for both point and fugitive sources. Map data were obtained from the U.S. Geological Survey (USGS) and the U.S. Bureau of the Census for the study area during this phase.

2.2.2 Phase II

During Phase II, Tetra Tech decided how the data collected would be used in an interactive format to produce emission inventories, an increment tracking system, and a graphical representation of increment consumption in the planning areas. The information on point sources was processed and categorized so it would be ready for input into an emission inventory for each of the baseline dates. The project team identified database themes that would be used for the increment tracking system. These themes consisted of emission calculation fields as well as point source parameter fields. The team then developed base maps for each HA. The maps displayed each HA with area grid cells as an overlay. The maps also showed the interstate highways and railroads that pass through HA76, HA83, and HA85.

FIGURE 2-1
PREVENTION OF SIGNIFICANT DETERIORATION INCREMENT
STUDY PROJECT FLOW DIAGRAM



2.2.3 Phase III

The third phase of the project focused mainly on compiling the point source inventory. Tetra Tech finished categorizing the point sources, and then organized the data from the source inventory into a usable format for the IT database. Data on fugitive emissions were also collected and apportioned into the grid cells of each HA for the baseline dates for minor sources. Receptor sets were created for use in modeling the PSD increment for each HA.

2.2.4 Phase IV

The project team completed emission inventories for each baseline date, pollutant and HA during Phase IV. A generic source data input format was developed from the nearly complete emission inventories for each baseline date. This format enabled the database to produce information on point sources in an AERMOD input file format. Additionally, the project team developed generic emissions pop-up screens, which became templates for the final increment tracking system, as point and area source emissions data became available.

2.2.5 Phase V

Phase V was the modeling phase, and specific modeling scenarios were created during this phase. Tetra Tech processed the meteorological data with the American Meteorological Society/Environmental Protection Agency Regulatory Model Improvement Committee Dispersion Model (AERMOD) meteorological preprocessor (AERMET), and assigned elevations to the receptor sets using the AERMOD terrain processor (AERMAP). The point and area source data were put into model format. The results were model input files for each modeling scenario. The pop-up screens for the increment tracking system were finalized.

2.2.6 Phase VI

The sixth phase involved the dispersion modeling for each scenario and development of displays of model output for the increment tracking system. The project team completed a quality assurance/quality control (QA/QC) check of the model runs and refined the model. The modeling results indicated the state of PSD increment consumption in the three HAs. GIS output displays show the modeling results in a map format.

2.2.7 Phase VII

GIS output displays and the final report were completed during Phase VII.

2.3 PSD INCREMENT

PSD increments are the maximum permissible level of increased air quality impacts, due to sources and emissions meeting regulatory criteria, which may occur beyond a regulatory baseline air quality level. PSD regulations in Title 40 of the Code of Federal Regulations, Part 52 Subpart 21 (40 CFR 52.21) establish PSD increments. Allowable PSD increments have been established for SO_2, NO_2, and PM_{10} for various averaging periods. Allowable PSD increments do not exist for other pollutants. PSD regulations are intended to preserve existing clean air resources and allow for economic growth. PSD increments are an important part of the program to achieve this objective. PSD increments are designed to protect against excessive deterioration of air quality. It is important to note that regulations do not allow ambient air quality to exceed the applicable National Ambient Air Quality Standards (NAAQS) limits, even if all the PSD increment is not consumed (EPA 1990).

PSD increments are tracked on a pollutant-by-pollutant and planning area by planning area basis. PSD increment impacts represent net air quality impacts in a triggered planning area, compared to baseline conditions. PSD increments result from applicable changes to sources of the pollutant of concern. The effect of applicable changes on PSD increments are tracked by calculating net air quality impacts through the use of air quality dispersion models. Net changes can result in either a lower air quality impact, referred to as increment expansion, or a higher air quality impact, referred to as increment consumption. The rules in 40 CFR 52.21 establish the maximum allowable increment consumption for SO_2, NO_2, and PM_{10} for various averaging periods.

PSD increment net changes are tracked relative to baseline impact conditions on two key baseline dates, one for minor sources of the pollutant of concern and one for major sources of the pollutant of concern. This results in the establishment of minor source baseline dates and major source baseline dates for each pollutant, SO_2, NO_2, and PM_{10}. Minor source baseline dates are established according to permitting activities in each planning area, while major source baseline dates have been established within the CFR for each pollutant on a nationwide basis. Emission inventories were established for the pollutants of concern relative to the applicable baseline dates.

PSD increment impacts are not tracked and have no regulatory bearing in a given planning area before the minor source baseline date is established in that planning area for a particular pollutant. After the minor

source baseline date for SO_2, NO_2, or PM_{10} is triggered in a planning area, PSD increments of that pollutant must be quantified based on:

1. All quantifiable changes at minor stationary sources and any changes to area or mobile sources within the triggered planning area since the minor source baseline date.
2. Formal changes at major sources within (or outside, but with the ability to affect) the planning area following the major source baseline date for a particular pollutant.

Minor source and major source baseline dates have different source change criteria that establish affects on PSD increment. The changes in impacts of triggered pollutants are primarily associated with construction at major stationary sources after the major source baseline date, or with any changes after the minor source baseline date at major and minor stationary sources and any quantifiable changes to area or mobile sources of the triggered pollutant.

Major source baseline dates establish the basis for tracking impacts from construction at major sources and were set when the PSD increment consumption regulations were promulgated for the given pollutant. Baseline source data on major sources that existed as of the major source baseline date are identified to establish baseline conditions. The impacts resulting from changes to source emissions and parameters associated with construction or other permitted activities since the major source baseline date affect the available increment. The baseline dates for major sources are set nationwide as follows:

- January 6, 1975 – for SO_2 and PM_{10}
- February 9, 1988 – for NO_2

It is important to note that the increment is not affected in a planning area until the minor source baseline date for a particular pollutant, SO_2, NO_2, or PM_{10}, is triggered for that planning area. When a major stationary source submits a major PSD permit modification of SO_2, NO_2, or PM_{10} emissions, or a new stationary source submits a permit application that shows it is a major source for SO_2, NO_2, or PM_{10} and the application is deemed complete, the pollutant-specific minor source baseline date is triggered in the planning area the major source is located in. Planning areas that have a triggered minor source baseline dates are those where an applicable new or modified stationary source is located, and/or where the change in increment consuming emissions has a potential to increase the ambient concentrations by 1 microgram per cubic meter ($\mu g/m^3$) or more.

Minor source baseline dates mark the beginning of accounting for 3increment consumption and/or expansion. After the minor source baseline date is triggered, increment is consumed and/or expanded in

the planning area by impacts attributable to changes at any major sources or at minor and fugitive sources in the planning area. Tracking increments requires maintaining records on changes to all major sources and changes to minor sources and fugitive emissions located in a triggered planning area.

Minor source baseline dates applicable to the study areas are:

- October 26, 1982 – HA76 was triggered for SO_2 by an application from Nevada Cement for a 3rd Kiln.
- March 11, 1994 – HA83 was triggered for SO_2, NO_2 and PM_{10} by an application from Sierra Pacific Power Company for the Piñon Project.
- January 9, 1996 – HA85 was triggered for SO_2 by an application from Sierra Pacific Power Company for the Clark Mountain Turbine modification.

3.0 EMISSIONS INVENTORY

Dispersion modeling was used to establish the current status of PSD increment consumption in HA76, HA83, and HA85. Emission rates used in each of the modeled scenarios were based on the emission inventories that were compiled for the current date and each baseline date for each applicable pollutant. The following sections explain how the emission inventories were established, and describe the source types included in the inventories.

In this analysis of NDEP-regulated sources, actual emissions data were used to the greatest possible extent in developing the baseline date inventories. Actual emissions were based on available NDEP records, EPA's AIRS and NET databases, and NDOT records. When actual emission rates were not available or could not be reliably estimated, potential emission rates were used for baseline data. When information about the startup date of a stationary source was not available, the analysis assumed that the source is completely increment consuming. Permitted emissions from 1998 and 1999 were used in developing the current date inventories for PSD triggered pollutants. The method of assuming that a stationary source is completely increment consuming if baseline data were not available results in modeled impacts that will maximize predicted increment consumption from that source.

3.1 METHODOLOGY

Tetra Tech began the stationary source data search by looking at various databases and other sources of information to gather names of facilities in HA76, HA83, and HA85. Sources of information included the NDEP Paradox database, NDEP, and Washoe County historical files, Nevada Minerals Industry Listings, and State Mines Inspection Reports for the minor and major source baseline dates. The information gathered from these sources provided a comprehensive background for stationary sources within HA76, HA83, and HA85 for the emission inventories.

Tetra Tech searched for data on fugitive emissions by investigating the availability of information in EPA's AIRData NET database. The NET Tier report includes information that is pertinent to the emissions study for the HAs. The report provides annual area and point source emission totals for each county on a pollutant-by-pollutant basis, as well as information about the origin of the pollutant. The report organizes each source into one of 14 major Tier 1 categories, and further classifies the sources with one of 75 more detailed Tier 2 categories. Tetra Tech was able to identify railroad, vehicle, and miscellaneous fugitive emissions on a countywide basis with this information. Table 3-1 illustrates how information in the NET Tier database is organized.

TABLE 3-1
EXAMPLE NATIONAL EMISSION TREND TIER REPORT FOR 1998 NO_x EMISSIONS

Tier-1	Tier-2	County	State	Area Source Emissions (tpy)	Point Source Emissions (tpy)
02-Fuel Comb. Industrial	01-Coal	Churchill	NV	3	0
02-Fuel Comb. Industrial	02-Oil	Churchill	NV	2	0
02-Fuel Comb. Industrial	03-Gas	Churchill	NV	1	31
03-Fuel Comb. Other	02-Commercial/Institutional Oil	Churchill	NV	2.33E-01	0
03-Fuel Comb. Other	03-Commercial/Institutional Gas	Churchill	NV	1.46E-01	0
03-Fuel Comb. Other	05-Residential Wood	Churchill	NV	43	0
03-Fuel Comb. Other	06-Residential Other	Churchill	NV	1	0
07-Other Industrial Processes	05-Mineral Products	Churchill	NV	0	300
10-Waste Disposal & Recycling	01-Incineration	Churchill	NV	170	0
10-Waste Disposal & Recycling	02-Open Burning	Churchill	NV	78	0
11-Highway Vehicles	01-Light-Duty Gas Vehicles & Motorcycles	Churchill	NV	10	0
11-Highway Vehicles	02-Light-Duty Gas Trucks	Churchill	NV	8	0
11-Highway Vehicles	03-Heavy-Duty Gas Vehicles	Churchill	NV	2	0
11-Highway Vehicles	04-Diesels	Churchill	NV	43	0
12-Off-Highway	01-Non-Road Gasoline	Churchill	NV	13	0
12-Off-Highway	02-Non-Road Diesel	Churchill	NV	27	0
12-Off-Highway	03-Aircraft	Churchill	NV	219	0
12-Off-Highway	05-Railroads	Churchill	NV	5	0
13-Natural Sources	02-Geogenic	Churchill	NV	97	0
14-Miscellaneous	01-Agriculture & Forestry	Churchill	NV	342	0
14-Miscellaneous	02-Other Combustion	Churchill	NV	2.18E-01	0
14-Miscellaneous	07-Fugitive Dust	Churchill	NV	7370	0
01-Fuel Comb. Elec. Util.	02-Oil	Lyon	NV	0	1
01-Fuel Comb. Elec. Util.	03-Gas	Lyon	NV	0	2
02-Fuel Comb. Industrial	01-Coal	Lyon	NV	1	0
02-Fuel Comb. Industrial	02-Oil	Lyon	NV	1	0
02-Fuel Comb. Industrial	03-Gas	Lyon	NV	1.85E-01	0
03-Fuel Comb. Other	02-Commercial/Institutional Oil	Lyon	NV	1.30E-01	0
03-Fuel Comb. Other	03-Commercial/Institutional Gas	Lyon	NV	7.27E-02	0
03-Fuel Comb. Other	05-Residential Wood	Lyon	NV	27	0
03-Fuel Comb. Other	06-Residential Other	Lyon	NV	2	0
05-Metals Processing	01-Non-Ferrous Metals Processing	Lyon	NV	0	385
07-Other Industrial Processes	05-Mineral Products	Lyon	NV	0	2076
07-Other Industrial Processes	10-Miscellaneous Industrial Processes	Lyon	NV	5	0
09-Storage & Transport	11-Bulk Materials Storage	Lyon	NV	0	4
10-Waste Disposal & Recycling	01-Incineration	Lyon	NV	4	0
10-Waste Disposal & Recycling	02-Open Burning	Lyon	NV	33	0
11-Highway Vehicles	01-Light-Duty Gas Vehicles & Motorcycles	Lyon	NV	13	0
11-Highway Vehicles	02-Light-Duty Gas Trucks	Lyon	NV	10	0
11-Highway Vehicles	03-Heavy-Duty Gas Vehicles	Lyon	NV	3	0
11-Highway Vehicles	04-Diesels	Lyon	NV	55	0
12-Off-Highway	01-Non-Road Gasoline	Lyon	NV	4	0
12-Off-Highway	02-Non-Road Diesel	Lyon	NV	47	0
12-Off-Highway	03-Aircraft	Lyon	NV	1	0
12-Off-Highway	05-Railroads	Lyon	NV	5	0
13-Natural Sources	02-Geogenic	Lyon	NV	43	0
14-Miscellaneous	01-Agriculture & Forestry	Lyon	NV	311	0
14-Miscellaneous	02-Other Combustion	Lyon	NV	19	0
14-Miscellaneous	07-Fugitive Dust	Lyon	NV	9185	0
01-Fuel Comb. Elec. Util.	02-Oil	Storey	NV	0	1
01-Fuel Comb. Elec. Util.	03-Gas	Storey	NV	0	2
03-Fuel Comb. Other	01-Commercial/Institutional Coal	Storey	NV	1.12E-02	0
03-Fuel Comb. Other	02-Commercial/Institutional Oil	Storey	NV	8.76E-02	0
03-Fuel Comb. Other	03-Commercial/Institutional Gas	Storey	NV	2.30E-02	0
03-Fuel Comb. Other	05-Residential Wood	Storey	NV	24	0
03-Fuel Comb. Other	06-Residential Other	Storey	NV	1.95E-01	0
10-Waste Disposal & Recycling	01-Incineration	Storey	NV	75	0
11-Highway Vehicles	01-Light-Duty Gas Vehicles & Motorcycles	Storey	NV	2	0
11-Highway Vehicles	02-Light-Duty Gas Trucks	Storey	NV	2	0

TABLE 3-1 (Continued)
EXAMPLE NATIONAL EMISSION TREND TIER REPORT FOR 1998 NO_x EMISSIONS

Tier-1	Tier-2	County	State	Area Source Emissions (tpy)	Point Source Emissions (tpy)
11-Highway Vehicles	03-Heavy-Duty Gas Vehicles	Storey	NV	4.73E-01	0
11-Highway Vehicles	04-Diesels	Storey	NV	9	0
12-Off-Highway	01-Non-Road Gasoline	Storey	NV	1.63E-01	0
12-Off-Highway	02-Non-Road Diesel	Storey	NV	2	0
12-Off-Highway	03-Aircraft	Storey	NV	1.77E-02	0
12-Off-Highway	05-Railroads	Storey	NV	1	0
14-Miscellaneous	01-Agriculture & Forestry	Storey	NV	178	0
14-Miscellaneous	02-Other Combustion	Storey	NV	3.07E-02	0
14-Miscellaneous	07-Fugitive Dust	Storey	NV	2241	0
02-Fuel Comb. Industrial	01-Coal	Washoe	NV	31	0
02-Fuel Comb. Industrial	02-Oil	Washoe	NV	26	0
02-Fuel Comb. Industrial	03-Gas	Washoe	NV	6	0
03-Fuel Comb. Other	01-Commercial/Institutional Coal	Washoe	NV	1	0
03-Fuel Comb. Other	02-Commercial/Institutional Oil	Washoe	NV	7	0
03-Fuel Comb. Other	03-Commercial/Institutional Gas	Washoe	NV	14	0
03-Fuel Comb. Other	05-Residential Wood	Washoe	NV	22	0
03-Fuel Comb. Other	06-Residential Other	Washoe	NV	21	0
07-Other Industrial Processes	05-Mineral Products	Washoe	NV	0	34
07-Other Industrial Processes	10-Miscellaneous Industrial Processes	Washoe	NV	78	0
09-Storage & Transport	11-Bulk Materials Storage	Washoe	NV	0	2
10-Waste Disposal & Recycling	01-Incineration	Washoe	NV	7	0
10-Waste Disposal & Recycling	02-Open Burning	Washoe	NV	78	0
10-Waste Disposal & Recycling	07-Other	Washoe	NV	0	118
11-Highway Vehicles	01-Light-Duty Gas Vehicles & Motorcycles	Washoe	NV	76	0
11-Highway Vehicles	02-Light-Duty Gas Trucks	Washoe	NV	55	0
11-Highway Vehicles	03-Heavy-Duty Gas Vehicles	Washoe	NV	11	0
11-Highway Vehicles	04-Diesels	Washoe	NV	198	0
12-Off-Highway	01-Non-Road Gasoline	Washoe	NV	57	0
12-Off-Highway	02-Non-Road Diesel	Washoe	NV	330	0
12-Off-Highway	03-Aircraft	Washoe	NV	27	0
12-Off-Highway	05-Railroads	Washoe	NV	71	0
13-Natural Sources	02-Geogenic	Washoe	NV	23	0
14-Miscellaneous	01-Agriculture & Forestry	Washoe	NV	177	0
14-Miscellaneous	02-Other Combustion	Washoe	NV	63	0
14-Miscellaneous	07-Fugitive Dust	Washoe	NV	20268	0

The NET database has been used to track fugitive emissions since 1985, when EPA promulgated the emissions reporting program (http://www.epa.gov/air/data). The NET Tier database search was completed for the baseline dates and pollutants of concern. The sections below give more details about stationary source and fugitive emissions.

3.2 STATIONARY SOURCE EMISSION INVENTORY

NDEP and Washoe County historical files, along with the NDEP Paradox database, provided lists of state-permitted facilities. The Nevada Minerals Industry Listings and the State Mines Inspection Reports provided source names and locations of mining operations active during each of the baseline years. Historical air quality permits and emission inventory reports for facilities in the study area at both NDEP and Washoe County provided emission rates and source parameters for stationary sources for the emission inventories. Major and minor sources were reviewed for each HA for major and minor baseline dates. Additionally, major sources within a 50-km radius of the HAs were reviewed for each of the inventories. Emission data gathered for the 1975, 1982, 1988, 1994, and 1996 baseline years included primarily energy-generating sources and mining operations.

Emissions data for all known sources that currently exist were gathered to create the current inventory. The period for the current inventory is 1998 through 1999 because the databases used in the estimates of emissions have been largely updated with 1999 data. The current inventory is based on permitted emission rates. Tetra Tech assumed the source is increment consuming when information about the startup date of the stationary source was not available. For this Truckee River Corridor study, several facilities have updated emissions data because of a new permit or a permit modification that was approved by NDEP in 2002. The emissions changes due to these permitting changes are incorporated in to this revised increment impact analysis.

3.2.1 Stationary Source Data Collection

To establish the stationary source inventory, BAPC and BAQP emission source data, historical air quality permits, and recent annual emission inventories for SO_2, NO_2, and PM_{10} were reviewed. Stationary sources located in HA76, HA83, and HA85 were ranked according to permitted facility-wide annual emissions of SO_2, NO_2, and PM_{10}. This procedure allowed Tetra Tech to identify the stationary sources that were major sources of a particular pollutant. Source histories from the Title V operating permit program were also reviewed to determine permitted emissions for facilities. For Class II sources, available permits were reviewed for approval dates to identify facilities that should be included in a

baseline inventory. For current scenario emissions, permitted emission rates for all stationary facilities that emit SO_2, NO_2, and PM_{10} that were in operation during 1998 and 1999 were used. After all stationary sources were accounted for and emission inventories for baseline and current scenarios were established, modeling-related source parameter data were gathered for each stationary source. The modeling parameters include emission rates for each point source, Universal Transverse Mercator (UTM) coordinates for emission points, and stationary source fencelines, building dimensions (length, width, and height) for major stationary sources, stack heights, stack diameters, stack gas exist velocities, and stack gas exit temperatures.

This revised analysis contains new data from several facilities that have modified their operations and obtained permits since the original Truckee Corridor study. Data from other facilities were updated to reflect a more accurate representation of their actual operations. Alcoa Sierra Micromills, All-Lite Aggregates, Eagle-Picher, Kal Kan, Naniwa, and Sierra Pacific Tracy generating station were facilities where the source data were updated or included as new data. The inventory for Alcoa Sierra Micromills was modified to better reflect the permitted source configuration. All-Lite was modified to provide updated emission rates and to better reflect facility operations with the source parameter inputs. Many of the sources were changed to volume sources because they are classified as process fugitives. The Eagle-Picher inventory was modified to better reflect the permitted source configuration. The Kal Kan facility was granted a permit modification to duct several of their emission point into one, and they also added another emission source. The use of building downwash specific to the new configuration of Kal Kan was also incorporated into the updated source data. Sierra Pacific's Tracy plant added a duct burner and also reduced their SO_2 emissions. At the time of the original Truckee River Corridor study, the Naniwa facility had not been issued a permit, therefore; emissions from Naniwa were not included in the original study. It has since received a permit, and the source data from Naniwa were included in this new study of the Truckee River Corridor.

Appendix D shows the stationary emission sources and parameters included in each baseline and current modeling scenario in the revised study of the Truckee River Corridor.

3.2.2 Nevada Division of Environmental Protection Bureau of Air Quality File Search

The Nevada State Legislature has authorized BAPC and BAQP jurisdiction over all counties in the State of Nevada except for Washoe and Clark Counties but maintains jurisdiction over fossil fuel fired steam generating electric plants in Washoe and Clark Counties. HAs 76 and 83 fall primarily under the jurisdiction of BAPC and BAQP. HA76 contains one major source, Nevada Cement Company. HA83

contains one major source, Tracy Generating Station. The only major stationary source within a 50 km radius of the HAs is Ft. Churchill Generating Station. HA85 and parts of HA83 are within the jurisdiction of Washoe County and are discussed in the following section.

3.2.3 Washoe County Bureau of Air Quality File Search

Tetra Tech conducted a file search at Washoe County for sources in HA85 and two sources in HA83. Ms. Charlene Albee of Washoe County assisted Tetra Tech with the file search. According to Ms. Albee, Washoe County contains only one major stationary source, R.R. Donnelley & Sons Company. This source is a major stationary source of volatile organic compounds (VOCs) and hazardous air pollutants (HAPs), but not SO_2; therefore it is not included in the emissions inventory. The two current minor point sources in the Washoe County portion of HA83 are Granite Construction Company and Frehner Construction's Mustang Facility.

3.3 FUGITIVE SOURCE INVENTORY

Fugitive sources in HA76, HA83, and HA85 were assigned to one of three categories: railroad, vehicle, and miscellaneous sources. Railroad emissions were apportioned into 1-km by 1-km grid cells based on the proportion of county railroad miles in the HAs and the total railroad miles traveled annually. Vehicle emissions were apportioned into the same grid cells based on the proportion of road miles in each grid cell and the total vehicle miles traveled annually in each grid cell. Miscellaneous fugitive emissions were distributed into the grid cells according to population density. Emissions from railroads, vehicles, and miscellaneous sources were then totaled to give a single emission rate for each 1-km by 1-km grid cell. The following sections explain the calculations of fugitive source emissions in more detail.

3.3.1 Railroad Source Analysis

Tetra Tech used a two-step process to calculate railroad emissions for each grid cell of HA76 and HA83. Because there are no railroad tracks in HA85, rail emissions were not calculated for grid cells in this HA. The first step was to calculate emissions in the fraction of each county that make up HA76 and HA83. Each HA encompasses portions of several different counties. It is important to identify the counties through which railroads pass in HA76 and HA83 because the emissions data available from the NET Tier database are organized by county. Railroad tracks in HA76 span portions of Churchill, Lyon, and Washoe counties, and railroad tracks in HA83 are found in Lyon, Storey, and Washoe counties. The

second step was to break down the emissions from the portion of each county that makes up HA76 and HA83 even further by apportioning the emissions into 1-km by 1-km grid cells.

To accomplish the first step and calculate emissions in the fraction of each county that makes up HA76 and HA83 ($RE_{countyfraction}$), Tetra Tech determined the total rail length in each county (RL_{county}), the length of railroad in the fraction of each county that makes up HA76 and HA83 ($RL_{countyfraction}$), and the total railroad emissions for each county (RE_{county}). Census data from the year 2000 was used to estimate RL_{county}. Next, $RL_{countyfraction}$ was computed for HA76 and HA83 using GIS applications. Tetra Tech downloaded RE_{county} from the NET Tier database, and data for each pollutant and baseline date were extracted. The following equation shows how $RE_{countyfraction}$ for HA76 and HA83 were calculated. The calculation was repeated for each county in HA76 and HA83.

$$RE_{countyfraction} = RE_{county} \frac{RL_{countyfraction}}{RL_{county}}$$

The second step, apportioning $RE_{countyfraction}$ into the 1-km by 1-km grid cells in HA76 and HA83 ($RE_{gridcell}$), required Tetra Tech to use $RL_{countyfraction}$, $RE_{countyfraction}$, and the rail length in each grid cell ($RL_{gridcell}$) in a calculation similar to that of the first step. $RL_{countyfraction}$, for each county area were determined for the first step, $RE_{countyfraction}$ for each county area were the results of the first calculation, and $RL_{gridcell}$ were determined using GIS applications. The equation below demonstrates how $RE_{gridcell}$ were calculated.

$$RE_{gridcell} = RE_{countyfraction} \frac{RL_{gridcell}}{RL_{countyfraction}}$$

Railroad source emissions calculations for the study area can be found in Appendix E.

3.3.2 Mobile Source Analysis

The mobile source analysis for the increment study was a four-step process, including a data collection phase and three sets of calculations. The result of this process allowed vehicle emissions for each pollutant to be apportioned into the 1-km by 1-km grid cells used in the railroad analysis.

Data on vehicle miles traveled (VMT) and countywide vehicle emissions data for each pollutant were both needed for this analysis. First, Tetra Tech acquired annual VMT for Nevada from the 1982, 1994, 1996, and 1998 Federal Highway Administration Highway Statistics publication. VMT data were divided into three road types to account for their differing contributions to mobile source emissions: interstate, highway, and arterial street. Next, countywide vehicle emissions data for each pollutant were gathered

from the NET Tier database for the years 1994, 1996, and 1998. Because no emissions data were available for 1982, a trend regression analysis based on emissions from 1994, 1996, and 1998 was used to estimate pollutant emissions in 1982 for each county.

The first set of calculations broke down VMT into road miles per county, HA, and grid cell. The VMT were also broken down into the three different road types. GIS techniques were used to apportion VMT data collected for Nevada into these area and road type categories. This set of calculations resulted in numeric values for:

- Interstate VMT for each county
- Highway VMT for each county
- Arterial Street VMT for each county
- Interstate VMT for each HA
- Highway VMT for each HA
- Arterial Street VMT for each HA
- Interstate VMT for each grid cell
- Highway VMT for each grid cell
- Arterial Street VMT for each grid cell

The second set of calculations broke down countywide vehicle emissions into HA-wide emissions for each road type using ratios. The ratio of HA VMT to county VMT for each road type was multiplied by the ratio of HA VMT per road type to total HA VMT. The product of these two ratios was then multiplied by countywide emissions to give HA-wide emissions per road type (1).

$$(1)\quad \frac{TotalHAVMT}{TotalCountyVMT} * \frac{HARoadTypeVMT}{TotalHAVMT} * CountyEmissions = HARoadTypeEmissions$$

The third set of calculations resulted in the final apportionment of all vehicle emissions into the 1-km by 1-km grid cells. A ratio of grid cell VMT to HA VMT was calculated for each grid cell and road type using the numeric values from the first set of calculations. These ratios were then multiplied by the HA-wide emissions for each road type derived from the second set of calculations to yield grid cell emissions for each road type (2). The emissions values in each grid cell for interstate, highway, and arterial streets were summed to calculate the total vehicle emissions present in each grid cell (3).

$$(2)\quad \frac{GridCellInterstateVMT}{HAInterstateVMT} * HAInterstateEmissions = InterstateGridCellEmissions$$

$$\frac{GridCellHighwayVMT}{HAHighwayVMT} * HAHighwayEmissions = HighwayGridCellEmissions$$

$$\frac{GridCellArterialVMT}{HAArterialVMT} * HAArterialEmissions = ArterialGridCellEmissions$$

(3) *InterstateGridCellEmissions*

HighwayGridCellEmissions

\+ *ArterialStreetGridCellEmissions*

TotalEmissionsForEachGridCell

Mobile source emissions data tables and calculations are available in Appendix F.

3.3.3 Miscellaneous Source Analysis

The miscellaneous source analysis for the increment study was a four-step process, including one data collection initiative and two sets of calculations, and GIS techniques. The result of this process allowed miscellaneous emissions for each pollutant to be apportioned into 1-km by 1-km grid cells.

Data for population density and countywide miscellaneous emissions for each pollutant were used in this analysis. To calculate emissions from miscellaneous sources for the 1-km by 1-km grid cells, Tetra Tech first acquired countywide miscellaneous emissions data for each pollutant from the NET Tier database for the years 1994, 1996, and 1998. However, no miscellaneous emissions data were available for 1982. To determine what miscellaneous emissions might have been in 1982, a trend regression curve based on emissions from 1994, 1996, and 1998 was developed. This best fit curve allowed Tetra Tech to estimate miscellaneous emissions in 1982 for each county.

To apportion these emissions by population density, Tetra Tech collected census population data for the HAs in this study. Census data are available by county and census block. Census blocks are smaller than counties. By using census block data instead of countywide population data to determine population density, Tetra Tech was able to more closely refine population density in the study area. Census data from 1980, 1990, and 2000 were needed for this analysis.

The first set of calculations broke countywide population totals down into census block population totals for 1980 and 1990. Tetra Tech estimated the missing 1980 and 1990 census block values using countywide population data collected for 1980, 1990, and 2000. The ratio of each county's 1980 population to the corresponding 2000 county population was multiplied by the applicable 2000 census

block totals. This allowed Tetra Tech to estimate the 1980 population for each census block. The same method was used to estimate totals for population in the 1990 census blocks (1).

(1) $$\frac{1980 CountyPopulation}{2000 CountyPopulation} * 2000 CensusBlockPopualtion = 1980 CensusBlockPopulation$$

$$\frac{1990 CountyPopulation}{2000 CountyPopulation} * 2000 CensusBlockPopualtion = 1990 CensusBlockPopulation$$

The second set of calculations distributed countywide miscellaneous emissions into each census block for the different study dates. Because countywide miscellaneous emissions were apportioned based on population density, a ratio of census block population to county population was needed. This ratio was then multiplied by the county emissions to give emissions apportioned to each census block (2).

(2) $$\frac{BlockPopulation}{CountyPopulation} * CountyEmissions = BlockEmissions$$

Using GIS techniques, the 1-km by 1-km grid cells were overlaid onto a map displaying population and emissions for each census block. Each grid cell was intersected with a specific census block, and the corresponding percentage of population was allocated to the grid cell. Emissions from miscellaneous sources were then distributed according to population density for each grid cell using GIS methods. Miscellaneous source emission calculations are shown in Appendix G.

4.0 AIR QUALITY MODELING

Air dispersion modeling was conducted to assess the NO_2 and PM_{10} PSD increment consumption in HA83, and the SO_2 PSD increment consumption in HA76, HA83, and HA85. The modeling study also identified portions of the planning areas where the PSD increment has been expanded since the baseline dates. The following sections discuss the model selection, model setup, and model application.

4.1 MODEL SELECTION

Several options were considered for the appropriate dispersion model for this analysis. Because there are significant terrain features in the HAs, particularly through the Truckee River Corridor, a model suited for addressing complex terrain issues was essential. The Industrial Source Complex Model (ISC3) was eliminated from consideration because it is not able to address complex terrain as well as other models considered. The enhanced Complex Terrain Dispersion Model (CTDMPLUS) has been used for complex terrain modeling in the region, but is cumbersome to run and must be used in conjunction with another model for simple terrain applications. After considering several options, a next-generation dispersion model called the AERMOD was selected for this PSD increment consumption modeling analysis. AERMOD combines the ability to address both complex terrain and simple terrain issues, and has improved dispersion algorithms for addressing boundary-layer meteorology. It is currently in the process of official EPA approval for regulatory analysis, and is now being used in several states for compliance modeling.

AERMOD is a Gaussian plume dispersion model that is based on planetary boundary layer principles for characterizing atmospheric stability. The model evaluates the non-Gaussian vertical behavior of plumes during convective conditions with the probability density function and the superposition of several Gaussian plumes (Federal Register 2000). AERMOD is a modeling system with three components; AERMAP is the terrain preprocessor program, AERMET is the meteorological data preprocessor, and AERMOD includes the dispersion modeling algorithms.

AERMOD was developed to handle simple and complex terrain issues using improved algorithms. As with CTDMPLUS, AERMOD uses the dividing streamline concept to address plume interactions with elevated terrain. However, AERMOD is less cumbersome to use than CTDMPLUS.

On April 21, 2000 the EPA proposed revising the *Guideline On Air Quality Models* (40 CFR, Part 51, Appendix W) to replace the ISC3 model with AERMOD as the preferred model for many air quality impact assessments including complex terrain applications. EPA's proposal came after the results of model evaluation studies indicated that AERMOD performs better than ISC3, and also as well or better than CTDMPLUS in complex terrain applications. AERMOD will replace ISC3 as the preferred state-of-

the-practice dispersion model for evaluating potential impacts from industrial sources within a 50 km radius of the source.

After concluding that AERMOD was the model best suited for use in this PSD increment consumption study, BAPC and BAQP sought approval for its use from EPA Region 9. After reviewing the goals of the project and the changing EPA guidance on the application of dispersion models, EPA Region 9 approved the use of AERMOD for this study.

Use of AERMOD for the study has two distinct advantages. The first advantage is that AERMOD uses improved model algorithms that more closely simulate plume dispersion in the atmosphere than many other models; and the second advantage is that modeling data developed for this study will not become outdated when AERMOD is officially recognized as the standard model for PSD increment applications.

4.2 MODELING METHODOLOGY

The dispersion modeling analysis was performed to estimate the PSD increment consumed or expanded from industrial and other pollutant emission sources in the three planning areas. Modeling was performed to evaluate incremental impacts of NO_2, SO_2, and PM_{10}, as triggered in the separate HAs, for all applicable averaging periods. The applicable averaging periods and associated PSD increments addressed in this study are shown in Table 4-1.

Separate model runs were executed for each of the planning areas; for each facility; for each PSD increment triggered pollutant; for both the baseline year and the current year emission inventories; for short-term and long-term averaging periods as applicable; and for each year of meteorological data processed for the study. More than 200 model runs were completed for this study. These model runs were based on emissions of PSD triggered pollutants described in Section 3.0. Emissions from all sources that were operating as of each baseline date were included in the baseline year modeling runs. Emissions from all applicable sources operating as of the study years 1998 and 1999, and source data that were amended with 2002 data for certain facilities in HA83, were modeled in the current year modeling runs. Output files from these two sets of modeling were post-processed to subtract baseline year impacts from current year impacts, resulting in PSD increment consumption. Using this methodology provides output that can account for PSD increment expansion as well as increment consumption.

Because meteorological data was not available for the minor source baseline period for HA76, a paired-in-time/paired-in-space approach was used for post-processing to determine increment values. Pairing in time means that results generated for every modeled averaging period using the baseline meteorological year are subtracted from the current results generated for the same averaging period modeled using the current year meteorological data. A paired-in-space analysis compares results on a receptor-by-receptor basis by subtracting baseline results at a receptor from current results at the same receptor.

TABLE 4-1

PREVENTION OF SIGNIFICANT DETERIORATION INCREMENTS

Averaging Period	Prevention of Significant Deterioration Increment ($\mu g/m^3$)		
	NO_2	SO_2	PM_{10}
3-Hour	N/A	512	N/A
24-Hour	N/A	91	30
Annual	25	20	17

Notes:

N/A Not applicable
$\mu g/m^3$ micrograms per cubic meter

The HA76 analysis was completed using the paired-in-time/paired-in-space method of determining increment consumption because the baseline trigger date for SO_2 in HA76 occurred in 1982, and there was no complete meteorological data set representative of the Tracy site for the year prior to the baseline year. Because there were no reliable baseline meteorological data, the baseline and current modeling analyses were completed using the current meteorological data sets from 2000 and 2001. Since baseline meteorological data was not available, the paired-in-time/paired-in-space methodology was the most appropriate approach for determining increment impacts in HA76.

When conducting a paired-in-time/paired-in-space analysis for 3-hour SO_2 increments, the baseline and current model runs generate impacts for each 3-hour period in the year of meteorological data used in the modeling. Both the baseline and current runs generate impact results for eight identical 3-hour periods per day for 365 days per year. The results from all the 3-hour periods are paired according to the date and time when they occurred, which makes the analysis paired-in-time. Each baseline result is subtracted from the matching paired-in-time current result. This analysis occurs for each set of results associated with every individual receptor, which also makes the analysis paired-in-space. After the paired-in-time/paired-in-space calculations are complete, there are 2920 (8760 hours/year ÷ 3 hour blocks) 3-hour increment results for each receptor for a year that is not a leap year, such as 2001. There would be 8 additional 3-hour increment results, 2928, for each receptor for a leap year such as 2000. The second highest increment result for each receptor is selected to represent increment consumption at that receptor. The original Truckee River Corridor study submitted to NDEP in early 2002 was completed using a paired-in-time/paired-in-space analysis.

An unpaired-in-time/paired-in-space methodology was used to determine increment values for HA83 and HA85. The unpaired-in-time/paired-in-space analysis eliminates emphasis on specific time-bound increment results while maintaining the spatial component of the increment analysis. Using the SO_2 example above, this methodology consists of determining baseline and current impact results for a 3-hour time period at every receptor. The second highest modeled impact at each receptor is determined from

the baseline results, and the second highest modeled impact at each receptor from the current results is also selected. Therefore, there is one baseline scenario result and one current scenario result associated with each receptor. The second high baseline impacts at each receptor may or may not occur at the same time of the year as the second high current impacts. The second high baseline results are subtracted from the second high current results on a receptor-by-receptor basis, which gives unpaired-in-time/paired-in-space increment results.

The minor source baseline trigger dates were in 1994 and 1996 for HA 83 and HA 85, respectively. Meteorological data were available at Sierra Pacific's Tracy facility for the years prior to both baseline dates, 1993 and 1995. Baseline models for HA83 were run using 1993 meteorological data, and HA85 baseline runs were completed using 1995 data. Because actual baseline meteorological data was available for the HA83 and HA85 studies, the unpaired-in-time/paired-in-space methodology was chosen for these increment analyses.

When conducting modeling for increment tracking, all PSD increment consuming and expanding emissions located in the specified planning area were included in the analysis. In addition, all PSD increment consuming and expanding emissions from major stationary sources within 50 km of the HAs were included in the analysis.

4.3 MODEL SETUP AND APPLICATION

The AERMOD model contains three modules: two pre-processors and the dispersion model. Model receptors are developed with the AERMAP pre-processor, meteorological data are developed with the AERMET pre-processor, and the model algorithms are applied with AERMOD.

For the original Truckee River Corridor study, Tetra Tech downloaded the appropriate AERMOD, AERMAP, and AERMET model code files from the EPA website. The code was then compiled using Lahey FORTRAN 90 (LF90), which was the same program used by EPA to compile the code. The EPA website also had AERMOD executable files available, but because array sizes in the FORTRAN code needed to be increased to handle the large number of sources and receptors, Tetra Tech recompiled the FORTRAN code. Tetra Tech used LF90 to compile AERMOD, AERMAP, AERMET, and the post processor programs. However, the LF90 version Tetra Tech purchased from Lahey contained errors that caused model results from the AERMOD analysis to differ from the model results produced by the EPA executable AERMOD program. After this problem was discovered, Tetra Tech acquired a new version of LF90 that did not contain errors and recompiled all the executables for the current Truckee River Corridor study. Extensive testing of these new executables confirmed that model results were identical to these

produced using the EPA version. The new versions of the AERMOD, AERMAP, AERMET, and the post processor executables were used in this study.

Applications of AERMOD, AERMAP, and AERMET are discussed in the following sections.

4.3.1 AERMAP

The terrain preprocessor AERMAP was used to extract receptor elevation data from USGS Digital Elevation Model (DEM) files for use as input to AERMOD. DEM data files were downloaded from the USGS Internet site in 7.5-minute resolution (1-degree resolution is also available). The specific data files selected covered the complete geographic study areas. Receptor locations for the study area were based on North American Datum of 1983 (NAD 83); however, because the DEM data available through the USGS are based on North American Datum of 1927 (NAD 27), Tetra Tech converted DEM files to NAD 83 using GIS techniques to be compatible with the receptor locations for the study area. After the conversion, DEM files were processed using a utility program to add delimiters to records in the uncompressed files (as described in the AERMAP user's guide).

A runstream file for AERMAP was created in accordance with the structure and syntax rules of the program. The selected DEM files and the receptor grids were external inputs referenced in the AERMAP runstream file. Initial attempts to run the AERMAP program failed, generating errors related to lack of adjacent DEM files. Replacement of the NAD 83 DEM files with the original files downloaded from the USGS site based on NAD 27 removed these errors. Tetra Tech deduced that projecting the receptor locations into NAD 27 would likely offer a solution to the problem of mismatched datum. The receptor location data were therefore converted to coordinates based on NAD 27 for use in the program; following processing, the receptor coordinates were converted back to NAD 83. Other errors received during initial attempts to run AERMAP were related to selection of the appropriate DEM files for the study area domain coordinates. These errors were corrected by including all DEM files within geographic coverage of the selected domain coordinates, including those that did not necessarily overlap receptor locations. Upon successful completion of the program, AERMAP generated a text output file containing a receptor elevation for each receptor coordinate in the receptor grid files. In addition, AERMAP generated a height scale for each receptor. A height scale is a measure of the height and distance of the local terrain feature that has the greatest influence on dispersion for that receptor.

Separate dispersion model receptor grids were generated with the AERMAP software for HA76, HA83, and HA85. The receptor grids covered the entire area of each HA, with individual receptors located 500

meters apart. Additional model receptors were identified surrounding large industrial sources where high pollutant concentrations were expected so that maximum concentrations would be identified. These additional receptors extend 3-km from each stationary source with 100-meter receptor spacing up to 1 km from the sources, and 250-meter receptor spacing from 1 to 3 km from large sources. Receptors located inside stationary source fencelines were not eliminated from the initial modeling analysis. Model results at receptors inside property fencelines may not represent accurate modeled increment consumption values because an emission source does not consume PSD increment within its own fenceline. In cases where exceedences were initially predicted inside fencelines, the results were put through refined post-processing to eliminate impact contributions by the sources whose boundary the receptors were located within.

4.3.2 AERMET

The meteorological data pre-processor AERMET was used to develop meteorological input data for the AERMOD modeling analysis. The AERMET software processes surface meteorological data and twice-daily upper air sounding data into the proper format using a three-stage process. The first stage extracts the data and administers several data quality checks. The second stage merges the data, and the third stage estimates required boundary layer parameters and writes the data in a format readable by AERMOD.

Meteorological data collected from Sierra Pacific Power Company's Tracy Generating Station (Tracy) during 2000 and 2001 were used for this modeling analysis. These two years of data were processed into model-ready format using AERMET. An additional surface dataset collected from the National Weather Service (NWS) station in Reno was used as input to AERMET. This dataset was used to substitute for any missing values from the Tracy data, and to provide additional information for AERMET processing. The final surface data requirement included estimates of the albedo of the ground, Bowen ratio, and surface roughness. These input values were estimated using guidance in the *User's Guide for the AERMOD Meteorological Preprocessor (AERMET)*. The last input data requirement for AERMET is twice-daily upper air sounding data. Sounding data were obtained from the National Climatic Data Center (NCDC), and include upper air soundings from Reno, Nevada for the years 2000 and 2001.

On-Site Surface Data

The Tracy meteorological tower collects many atmospheric variables. Most of the collected data were used in AERMET processing, including wind speed and wind direction at three levels (10, 55, and 100 meters), barometric pressure, temperature, relative humidity, standard deviation of horizontal wind

direction at all three levels, and standard deviation of vertical wind speed at all three levels. Use of data at three wind levels provides a better estimate of boundary layer conditions.

NWS Surface Data

AERMET is designed to extract NWS surface data from several different formats including CD-144, SCRAM, and SAMSON. NCDC's standard data storage format has been CD-144 format for many years. However, NCDC no longer uses this format and any newer data is stored in TD-3280 format, which is not easily converted to a format usable by AERMET. Since the 2000-2001 NWS Reno data were stored in the new format, they had to be converted to CD-144 format. In addition, the Reno data did not include values opaque cloud cover. Because AERMET uses these values, they had to be estimated from other variables collected for each hour, including total cloud cover and present weather. After NWS surface data were converted to CD-144 format, they were extracted, quality checked, and merged with quality checked on-site data.

NWS Upper Air Data

Reno, Nevada upper air sounding data for 2000 and 2001 were obtained in TD-6201 format. These data were extracted by AERMET, quality checked, and merged with the two surface datasets.

After all three datasets were merged, the final processing stage was executed to produce the model ready data. This final stage calculates boundary layer parameters that are subsequently used by AERMOD. The final processing stage was completed with modified AERMET software that corrected problems that occurred when missing data were encountered in the upper air soundings.

4.3.3 AERMOD

AERMOD was run using the regulatory default mode. Emission sources, model receptors, and meteorological data were contained in separate files and opened during model execution. Output from the model was stored in binary files and used for post-processing. See Section 4.5 for a discussion of post-processing techniques.

4.4 EMISSION SOURCE CHARACTERIZATION

A PSD increment emission inventory was developed for each applicable pollutant for input into AERMOD (see section 3). Emission source data collected by Tetra Tech were used to establish an emission inventory that details emissions and source parameters for the following:

- SO_2 and PM_{10} emissions and source parameters for major stationary sources that existed on the major source baseline date of January 6, 1975

- NO_2 emissions and source parameters for major stationary sources that existed on the major source baseline date of February 8, 1988

- Emissions and source parameters for SO_2 emissions from stationary, area, and mobile sources that existed on:

  - The HA76 SO_2 minor source baseline date of October 26, 1982
  - The HA83 SO_2 minor source baseline date of March 11, 1994
  - The HA85 SO_2 minor source baseline date of January 9, 1996

- Emissions and source parameters for NO_2 emissions from stationary, area, and mobile sources that existed on:

  - The HA83 NO_2 minor source baseline date of March 11, 1994

- Emissions and source parameters for PM_{10} emissions from stationary, area, and mobile sources that existed on:

  - The HA83 PM_{10} minor source baseline date of March 11, 1994

Dispersion modeling was conducted using emission inventories based on the above baseline dates to identify increment consuming and expanding sources.

The emission inventories represent allowable emissions for the current inventory and, where possible, actual emissions for the baseline inventories. Because historical records for sources dating back to the baseline years do not always contain the required information for determining actual emissions, allowable emissions were used where actual emissions are not available or cannot be reliably estimated. Sources that are either partially or fully represented with allowable emissions instead of actual emissions are:

- Sierra Pacific – Tracy
- Gopher Construction
- Eagle-Picher Minerals Inc.
- All-Lite Aggregate
- CR Minerals Corporation
- Rilite Aggregate

The emission inventories were constructed for the modeling study with three basic types of emission sources: industrial sources; mobile sources such as on-road vehicles and locomotives; and county-wide emission sources representing all other emissions that cannot be individually quantified. The following subsections detail how these emission types were characterized in the dispersion modeling analysis.

4.4.1 Industrial Sources

Industrial sources were input to the model using source parameters and emission data obtained during Tetra Tech's data collection activities. Current emissions were based on the most recent available data on a source's permitted allowable emissions. Most of this information came from NDEP's Paradox database, which keeps track of current permitted emissions and source parameters. The date of emissions information used in the analysis was documented for each stationary source.
Baseline emission source data represent stationary source operations as of a given baseline date, and were based on available records from the closest date prior to the baseline date. In other words, Tetra Tech used emission data as near to the baseline date as possible where records exist, but before the baseline trigger date. In some cases, the only recorded emission data are two to three years prior to a given baseline date.

Generally, industrial sources were modeled using AERMOD's point source algorithms. Stack-type emissions from the industrial facilities were modeled as point sources using stack parameters obtained during data collection activities. In some cases, stack parameters are different between the baseline year and the current year. In these cases, the modeling took into account the changes in stack parameters (provided both sets of stack parameters were reliable) to more accurately reflect the impact the changes had on the increment. Following guidance from NDEP, some process fugitive emission units were modeled as point sources and were assigned a 10 meter stack height, ambient temperature, 0.01 meters per second exit velocity, and 1.0 meter stack diameter, which represents an average equivalent diameter for these types of sources. However, process fugitive emission units (such as conveyor transfer points) at the All-Lite and Eagle Picher facilities were modeled as volume sources.

Some sources are limited to fewer than 24 daily operation hours and it is impossible to know which hours a source will operate. Therefore, each source in the inventory that is limited to less than 24 operation hours per day was carefully evaluated. It was determined that these sources have an insignificant impact on PSD increment consumption due to their low emission rates. As a result, these sources were simulated in the model as if they operated 24-hours per day in order to simplify the model input. The only exception to this is the updated Eagle-Picher model input data. Specific hours of operation data were provided by NDEP and subsequently incorporated into the modeling.

AERMOD currently uses the same direction-specific building downwash algorithms used by the ISC3 model. Because of the overall large number of sources in the modeling analysis, it was considered prohibitive to include building downwash for all sources in this study, although it is NDEP policy to

include building downwash in dispersion modeling analyses. Due to the potential relative importance of impacts from major sources, building downwash parameters were included for major sources in the modeling for HA76, 83, and 85. Building downwash parameters obtained for major sources during data collection activities were input to AERMOD to calculate building downwash effects.

4.4.2 Mobile Sources

Countywide vehicle mobile source emissions for each of the years representing the minor source baseline dates of interest were input to the model to evaluate the incremental difference in vehicle impacts since the applicable PSD baseline dates. Mobile source emissions were apportioned into 1-km by 1-km grid cells across the respective HAs. The countywide emissions from NET were apportioned into the separate appropriate grid cells by the ratio of known length of roads in the county to the known length of road in each grid cell, and by the VMT data available from the U.S Department of Transportation (DOT). The EPA State Implementation Plan guidance was used as a technical reference for these analyses. The SIP guidance provides selection of road mileage distribution for emission apportionment as an option, which is consistent with this analysis.

The estimated emissions of SO_2, PM_{10}, and NO_2 from vehicle mobile sources that are apportioned to each 1-km grid cell were added to the total fugitive emissions from that grid cell. The total fugitive emissions of each pollutant from that grid cell were modeled as area sources using AERMOD for separate predicted SO_2, PM_{10}, and NO_2 increment impacts.

4.4.3 Fugitive Sources

Fugitive emissions from the EPA NET database were distributed on a county-by-county basis within the 1-km grid cells for use in AERMOD. As with the mobile source inventory, the established EPA SIP guidance was used as a technical reference. The SIP guidance for rural/small urban emission allocation was used as a protocol to distribute the NET emission data based on population in the HAs. For example, assume one study area that is exactly 25 percent (%) of the county size, and contains 50% of the county's population. Also, assume that population data are organized in exactly the same shape as the study area. Tetra Tech reviewed the population of the study area in relation to the population of the entire county. The emission data allocated to the study area were the same percentage as the population of the study area compared to the population of the entire county, in this example, 50%. These data were then distributed to the grid cells for modeling purposes accordingly so the sum of the emission data for each grid cell in

the study area will equal 50% of the county's total emissions, even though the study area only represents 25% of the county's area.

Each 1-km by 1-km area source used in the modeling was assigned an elevation equal to the average elevation within the grid cell. This approach has been used for fugitive sources in similar studies (SW Colorado Increment consumption study), and is supported by EPA (EPA 2001). Because there are many area sources within each HA, and area sources require considerable processing time for the dispersion model, area sources were excluded from the modeling analysis if they were determined to have an insignificant impact on air quality. For purposes of this study, an area source was estimated to have an insignificant impact if its emissions would contribute less than or equal to $1/100$ of the applicable PSD increment limit for 24-hour PM_{10}. A source's significance was estimated based on its total emissions and from test model runs. Area sources with a total emission rate less than or equal to 6.5E-9 grams per second per square meter ($g/s\text{-}m^2$) were estimated to have an insignificant impact based on model test runs.

4.5 POST-PROCESSING

Model output files from AERMOD were combined in a post-processing step to determine PSD increment consumption. Pollutant impacts from baseline sources were subtracted from pollutant impacts from current sources on a receptor-by-receptor basis, with the difference resulting in PSD increment consumption. In some cases, the baseline impacts were greater than current impacts. This scenario resulted in PSD increment expansion at those receptors.

To accomplish both the unpaired-in-time and paired-in-time analyses, a FORTRAN executable program that was written in Lahey FORTRAN 90 was used to post-process the baseline and current modeling results. The name of the program is GETINCSS. The code for the program is contained in Appendix H.

GETINCSS reads several unformatted impact files produced by the baseline or current AERMOD runs and one file for the corresponding receptor set. Each unformatted impact file must contain predicted concentrations for a single averaging period. GETINCSS is designed to work with input files that contain predicted impacts for one year of meteorological data at every receptor for a single averaging period. The averaging periods may range from 1 hour to 24 hours or the modeling period, which is typically 1 year. Averaging periods between 24 hours and the modeling period will not work with the post-processor. The receptor file used for post processing is identical to the AERMOD modeling receptor file. It is critical that the receptor file used is the exact same file used in the AERMOD modeling so that predicted impacts and can be properly paired on a receptor-by receptor basis.

For the unpaired-in-time analysis, baseline and current impacts are processed separately. GETINCSS combines the predicted baseline-year or current-year impacts into a file that contains a predicted impact value at each receptor by adding the impacts from the baseline or current unformatted files together. The program writes the total current or baseline impacts in a space delimited text format on a receptor-by-receptor basis.

The results from the current and baseline impacts post-processing are then compared in an Excel spreadsheet to determine increment consumption and expansion on a receptor-by-receptor basis. Baseline impacts are subtracted from current impacts, and this occurs regardless of when the baseline or current impact for each receptor occurred in time.

For the paired-in-time analysis, GETINCSS can be used to process both baseline and current impact files at the same time. The output created by the program contains paired-in-time increment values. GETINCSS reads several input data files, including files representing the baseline-year and current-year predicted impacts, and one for the corresponding receptor set. These impact files are combined into predicted increment values at each receptor.

GETINCSS combines the predicted baseline-year and current-year impacts into a predicted increment value at each receptor by subtracting the baseline-year impact from the current-year impact. The calculations are performed for each averaging period during the modeled meteorological year. Then, the program selects the highest increment value observed at each receptor and writes these results to an output file.

GETINCSS uses a general input file with a predefined format called *getincss.inp*. The program creates an output file called *incrment.dat*. Two examples of the predefined input file format that allows the user to get the predicted increment value is shown and described below. The first example is for an unpaired-in-time analysis, and the second is for a paired-in-time analysis.

Example 1: GETINCSS input files (getincss.inp) for an Unpaired-in-Time Analysis – Baseline and current impacts are processed separately.

```
Baseline:
24
ALNO00BA.AN 1.0
ARNO00BA.AN 1.0
FRNO00BA.AN 1.0
GRNO00BA.AN 1.0
NCNO00BA.AN 1.0
NTNO00BA.AN 1.0
RANO00BA.AN 1.0
SPNO00BA.AN 1.0
366
```

```
Current:
24
ACNO00CU.AN 1.0
ALNO00CU.AN 1.0
ARNO00CU.AN 1.0
BPNO00CU.AN 1.0
EPNO00CU.AN 1.0
FRNO00CU.AN 1.0
GONO00CU.AN 1.0
GRNO00CU.AN 1.0
KKNO00CU.AN 1.0
NANO00CU.AN 1.0
NCNO00CU.AN 1.0
NTNO00CU.AN 1.0
QPNO00CU.AN 1.0
RFNO00CU.AN 1.0
SPNO00CU.AN 1.0
TRNO00CU.AN 1.0
366
```

Example 2: GETINCSS input file (getincss.inp) for a Paired-in-Time Analysis – Baseline and current impacts are processed together.

```
24
ALNO00BA.AN -1.0
ARNO00BA.AN -1.0
FRNO00BA.AN -1.0
GRNO00BA.AN -1.0
NCNO00BA.AN -1.0
NTNO00BA.AN -1.0
RANO00BA.AN -1.0
SPNO00BA.AN -1.0
ACNO00CU.AN 1.0
ALNO00CU.AN 1.0
ARNO00CU.AN 1.0
BPNO00CU.AN 1.0
EPNO00CU.AN 1.0
FRNO00CU.AN 1.0
GONO00CU.AN 1.0
GRNO00CU.AN 1.0
KKNO00CU.AN 1.0
NANO00CU.AN 1.0
NCNO00CU.AN 1.0
NTNO00CU.AN 1.0
QPNO00CU.AN 1.0
RFNO00CU.AN 1.0
SPNO00CU.AN 1.0
TRNO00CU.AN 1.0
366
```

The first line on the input files describes how many unformatted impact files will be used in the post processing. Tetra Tech modeled each facility separately, so the post processing input files includes the number of facilities evaluated for each baseline and current analysis for each pollutant and averaging period. The next section of the input file lists the names of the files to be included in the post processing routine. A multiplier of 1.0 is applied to the baseline files in the unpaired-in-time analysis because the impacts need to be added together and not subtracted for this analysis. A multiplier of -1.0 is applied to the baseline files in the paired-in-time analysis, and a multiplier of 1.0 is applied to the current files. The baseline multiplier tells GETINCSS to subtract the baseline impacts from the total increment, and the current multiplier tells the program to add the current impacts to the total increment. The multipliers are listed after each file name. The last line of the input file tells the program how many meteorological days are being post processed. This feature was added so that post processing could be performed on impacts determined using leap year meteorological data files. To run GETINCSS, follow the steps below:

- Create a folder in which the post processing can be accomplished.
- Make sure this folder contains a copy of GETINCSS, the input file named *getincss.inp*, and the AERMOD receptor file used to model baseline and current impacts.
- Copy or rename the AERMOD receptor file to *receptor.dat*
- Copy or move all the unformatted impact files being used in the post processing into the folder.
- Create the *getincss.inp* input file for the first processing routine.
- Make sure all the unformatted impact files to be incorporated into the post processing are both listed in the *getincss.inp* input file and present in the folder in which the post processing will take place.
- Open a DOS prompt and go to the directory in which all the post processing files are located.
- Type the name of the post processor, GETINCSS, and hit enter. The post processor will read the input file, and the *increment.dat* increment file will be produced in the folder with the other files.
- Rename the GETINCSS output file, *incrment.dat*, with identifying characters (see the recommended naming convention in the text below)

It is recommended that the *incrment.dat* output file from GETINCSS be renamed using the following nomenclature for the unpaired-in-time analysis:

PPMMHHXX.AA

Where:

PP = Two characters representing the pollutant modeled, such as SO for SO_2, PM for PM_{10}, and NO for NO_x

MM = Two characters representing the year of the meteorological data used, such as 00 for 2000.

HH = Two characters representing the averaging period of the modeling, such as 24 for 24-hour, 03 for 3-hour and AN for annual

XX= Two characters that read either 'CU' which stands for current or 'BA' for baseline

AA = Two characters representing the air quality control region, such as 76 for HA76, 83 for HA83, or 85 for HA85

For the paired-in-time analysis, it is recommended that the *incrment.dat* output file from GETINCSS be renamed using the following nomenclature:

AAPPMMIN.HH

Where:

AA = Two characters representing the air quality control region, such as 76 for HA76, 83 for HA83, or 85 for HA85

PP = Two characters representing the pollutant modeled, such as SO for SO_2, PM for PM_{10}, and NO for NO_x

MM = Two characters representing the year of the meteorological data used, such as 00 for 2000.

IN = Two characters that read 'IN' which stands for increment results

HH = Two characters representing the averaging period of the modeling, such as 24 for 24-hour, 03 for 3-hour and AN for annual

4.6 PSD INCREMENT CONSUMPTION RESULTS

There were no SO_2 PSD increment exceedences predicted in HA76, HA83, or HA85. Additionally, there were no annual PM_{10} PSD increment exceedences predicted in HA83. There were numerous annual NO_2 and 24-hour PM_{10} PSD exceedences predicted in HA83. The following sections give modeling results for each HA in the study. Modeling files for NO_2, SO_2 and PM_{10} can be found in Appendix I.

4.6.1 HA76

HA76 was modeled for SO_2 impacts using the protocol described in Section 4.2 through Section 4.5. The modeling showed no predicted exceedences of the 3-hour, 24-hour, or annual SO_2 increment in HA76. Figures 4-1a through 4-3b (Appendix C) show the distribution of 3-hour and 24-hour high, second-high and annual SO_2 increments in HA76 for 2000 and 2001 meteorological data. The increment values

pointed out on the maps represent the highest increment values in ambient air, which is outside any facility fenceline. Table 4-2 presents the highest second-high predicted 3-hour and 24-hour impacts and maximum annual impacts for modeling with the 2000 and the 2001 meteorological data.

As can be seen in Figures 4-1a, 4-1b, 4-2a, and 4-2b (Appendix C), the maximum predicted 3-hour and 24-hour SO_2 PSD impacts are just a small fraction of the allowable increment.

The modeling results for annual SO_2 increment reflected in Figure 4-3a and 4-3b (Appendix C) show many increment impacts below 0 $\mu g/m^3$ (negative values) across the planning area, which is far less than the allowable annual PSD increment of 20 $\mu g/m^3$ and indicates increment expansion. The low annual SO_2 increment impacts across HA76 are due to the relative lack of SO_2 increment consuming point sources in conjunction with the low difference between annual SO_2 emissions for current vehicle traffic associated with the highways, as compared to SO_2 emissions from these sources in the baseline year of 1982. The annual SO_2 PSD impacts show large areas of the basin with slight increment expansion. The highest predicted annual SO_2 increment consumption was 4.55 $\mu g/m^3$.

4.6.2 HA83

The modeling protocol described in Section 4.2 through Section 4.5 was used to model SO_2, PM_{10}, and NO_2 PSD increment impacts in HA83. No exceedences of the 3-hour, 24-hour, or annual SO_2, or the annual PM_{10} PSD increment were predicted using this protocol. However, there were PSD modeled increment violations of annual NO_2 and 24-hour PM_{10} in HA83. The PSD increment consumption modeling results for HA83 are presented in Table 4-3 and explained further in the remainder of this section.

SO_2

The SO_2 modeling predicted no SO_2 PSD increment exceedences in HA83. Table 4-3 reflects increment values given by the modeling and post processing. Figures 4-4a through 4-6b (Appendix C) show the distribution of predicted 3-hour, 24-hour and annual SO_2 impacts, respectively, in HA83.

TABLE 4-2

HA76 SO_2 PSD INCREMENT CONSUMPTION

Averaging Period	2000 Modeled SO_2 Increment Consumption ($\mu g/m^3$)	2001 Modeled SO_2 Increment Consumption ($\mu g/m^3$)	SO_2 Increment Limit ($\mu g/m^3$)
3-Hour[1]	22.41	20.75	512
24-Hour[1]	5.98	6.27	91
Annual[2]	0.40	4.55	20

Notes:

[1] High Second-High
[2] Maximum

TABLE 4-3

HA83 SO_2, PM_{10}, AND NO_2 PSD INCREMENT CONSUMPTION

Pollutant	Averaging Period	2000 Modeled Increment Consumption ($\mu g/m^3$)	2001 Modeled Increment Consumption ($\mu g/m^3$)	PSD Increment Limit ($\mu g/m^3$)
SO_2	3-Hour[1]	82.32	-1.79	512
	24-Hour[1]	14.02	41.51	91
	Annual[2]	0.01	0.02	20
PM_{10}	24-Hour[1,3]	58.27	51.51	30
	Annual[2]	16.73	15.26	17
NO_2	Annual[2]	34.08[3]	23.71[4]	25

Notes:

[1] High Second-High
[2] Maximum
[3] Modeled increment values represent highest concentrations in ambient air
[3] NO_2 results are based on a conversion of $(0.75)NO_x = NO_2$

Increment consumption values on the maps represent the highest increment values predicted in "ambient air" for annual SO_2 increment modeling and high second-high values for 3-hour and 24-hour SO_2 increment modeling. "Ambient air" is defined as property that is outside any facility fenceline to which the public has access. Figures 4-4a, 4-4b, 4-5a, and 4-5b (Appendix C) reflect results for 3-hour and 24-hour SO_2 PSD increment consumption for 2000 and 2001. These maps show that increment consumption across HA83 was well below the respective increment limits. The highest 3-hour and 24-hour increment consumption results occur due east of the Naniwa facility, with Naniwa sources contributing the vast majority of the total SO_2 increment consumption.

As shown in Figure 4-6a and 4-6b (Appendix C), annual SO_2 increment impacts in HA 83 result in increment expansion across most of the planning area, with the exception of a portion near the Eagle Picher facility. The general expansion of annual SO_2 increment across HA 83 is due to the reduction in SO_2 emissions for current vehicle traffic associated with the highways, as compared to SO_2 emissions from these sources in the baseline year of 1994. In addition, SO_2 increment expansion has taken place due to SO_2 reductions from the Tracy Generating Station. The highest PSD increment consumption outside a facility fenceline occurs northeast of the Eagle Picher facility. The maximum annual SO_2 increment consumption outside facility fencelines was 0.41 $\mu g/m^3$.

NO_2

Figures 4-7a and 4-7b (Appendix C) show the distribution of annual NO_2 increment impacts in HA83 for the 2000 and 2001 modeling, respectively. These figures show that most of the HA83 annual NO_2 PSD impacts are significantly less than the allowable increment. However, there are several PSD increment exceedences in HA83 for the 2000 model year. There were no increment exceedences in the 2001 modeling. The highest NO_2 PSD increment consumption for HA83 occurs in the north-central portion of the basin north of Tracy near the highway and is due to railroad/vehicle/miscellaneous fugitive emissions. The maximum annual NO_2 PSD increment consumption value modeled in HA83 is 34.1 $\mu g/m^3$. Table 4-4 shows a breakdown of the 137 predicted NO_2 exceedences using 2000 meteorological data. This breakdown indicates whether the NO_2 increment consumption at each receptor location is due to area source or point source contributions.

All the NO_2 exceedences are caused by area sources. Tetra Tech used 100% of the NO_2 area source emissions for this study. However, there are several studies that indicate Gaussian plume models over predict modeled concentrations due to low-level fugitive emissions, and there are several that recommend that a scaling factor be applied to fugitive emissions estimated for modeling. One EPA study

recommends that only 25% of fugitive dust emissions be used for particulate modeling, but this study does not mention applying it to other pollutants such as NO_2 modeling. The Texas Commission on Environmental Quality (TCEQ) conducted another study on low-level fugitive emissions. This study appears to apply to all pollutants modeled as low-level fugitive values. An interoffice TCEQ memorandum, titled *Modeling Adjustment Factor for Fugitive Emissions* (TCEQ 2002), describes a modeling adjustment factor of 0.6 (60%) developed for fugitive emissions. TCEQ applies this factor to low-level fugitive releases in two ways: (1) the 0.6 factor to the emission rates is applied before input into the model, or (2) the modeled concentrations are multiplied by 0.6 to achieve final results for fugitive modeling. As a test, Tetra Tech post processed the NO_2 results using the TCEQ factor of 0.6 for the area source emissions. This methodology decreased the number of predicted NO_2 exceedences modeled using 2000 meteorological data from 137 to zero. Table 4-5 compares a select group of model results from the study using 100% of the area source emissions and the study using 60% of the area source emissions.

TABLE 4-4
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2000

Pollutant	UTM East (meters)	UTM North (meters)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
NO_2	283100	4382400	34.08	Annual	All	1st	276.29	1.24	229.19	2.89	Area	47.10
NO_2	287000	4382000	32.40	Annual	All	1st	156.35	11.63	116.55	8.23	Area	39.80
NO_2	283000	4382400	32.35	Annual	All	1st	276.07	1.22	228.65	5.51	Area	47.42
NO_2	283200	4381900	32.33	Annual	All	1st	191.41	1.87	145.49	4.68	Area	45.92
NO_2	283200	4382000	31.88	Annual	All	1st	209.39	1.71	164.51	4.08	Area	44.88
NO_2	283300	4381900	31.61	Annual	All	1st	191.64	1.82	145.74	5.56	Area	45.90
NO_2	283100	4381900	31.49	Annual	All	1st	189.82	1.89	144.80	4.93	Area	45.02
NO_2	283300	4382000	31.08	Annual	All	1st	209.29	1.73	164.66	4.92	Area	44.63
NO_2	283000	4382500	31.07	Annual	All	1st	272.81	1.19	228.00	4.58	Area	44.81
NO_2	283100	4382000	31.01	Annual	All	1st	208.63	1.64	163.97	4.97	Area	44.66
NO_2	281000	4382250	30.50	Annual	All	1st	245.70	1.50	200.26	6.28	Area	45.44
NO_2	283300	4382200	30.39	Annual	All	1st	231.47	1.47	190.19	2.22	Area	41.28
NO_2	283000	4381900	30.38	Annual	All	1st	190.51	1.82	144.98	6.85	Area	45.53
NO_2	283300	4382500	30.30	Annual	All	1st	268.71	1.24	226.64	2.92	Area	42.07
NO_2	283500	4381800	30.22	Annual	All	1st	178.55	1.61	132.64	7.23	Area	45.91
NO_2	282900	4382400	30.12	Annual	All	1st	277.22	1.21	230.40	7.87	Area	46.82
NO_2	283500	4382000	30.04	Annual	All	1st	213.70	1.71	167.42	7.93	Area	46.28
NO_2	283300	4382100	29.97	Annual	All	1st	223.11	1.58	181.05	3.68	Area	42.06
NO_2	281250	4382000	29.93	Annual	All	1st	226.27	1.65	180.53	7.49	Area	45.74
NO_2	281250	4382250	29.90	Annual	All	1st	268.76	1.44	223.61	6.72	Area	45.15
NO_2	283600	4382000	29.87	Annual	All	1st	219.67	1.68	170.96	10.56	Area	48.71
NO_2	283000	4381600	29.71	Annual	All	1st	157.80	1.75	115.39	4.54	Area	42.41
NO_2	281500	4382000	29.64	Annual	All	1st	233.98	1.70	187.76	8.40	Area	46.22
NO_2	283400	4381900	29.60	Annual	All	1st	189.37	1.75	145.10	6.55	Area	44.27
NO_2	283200	4382200	29.53	Annual	All	1st	228.06	1.41	188.24	1.86	Area	39.82
NO_2	283400	4382100	29.36	Annual	All	1st	225.71	1.62	182.81	5.36	Area	42.90
NO_2	282900	4382500	29.35	Annual	All	1st	273.95	1.19	229.63	6.37	Area	44.32
NO_2	283200	4382100	29.30	Annual	All	1st	219.60	1.51	179.35	3.01	Area	40.25
NO_2	283100	4382600	29.25	Annual	All	1st	265.63	1.18	224.64	3.17	Area	40.99

TABLE 4-4 (Continued)
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2000

Pollutant	UTM East (meters)	UTM North (meters)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
NO_2	283000	4382600	29.15	Annual	All	1st	266.07	1.17	224.43	3.94	Area	41.64
NO_2	282200	4382200	29.14	Annual	All	1st	266.15	1.33	217.59	11.03	Area	48.56
NO_2	282100	4382400	29.09	Annual	All	1st	263.88	1.24	217.97	8.36	Area	45.91
NO_2	283300	4382300	29.03	Annual	All	1st	232.24	1.41	194.71	1.34	Area	37.53
NO_2	294000	4384500	29.00	Annual	All	1st	236.15	3.42	194.83	6.07	Area	41.32
NO_2	283000	4381500	28.98	Annual	All	1st	149.38	1.65	108.25	4.14	Area	41.13
NO_2	283700	4381800	28.95	Annual	All	1st	180.27	1.55	134.26	8.92	Area	46.01
NO_2	282800	4382400	28.87	Annual	All	1st	277.48	1.21	230.86	9.33	Area	46.62
NO_2	283400	4382200	28.87	Annual	All	1st	277.48	1.52	191.03	4.37	Area	86.45
NO_2	283200	4382500	28.82	Annual	All	1st	257.82	1.22	218.05	2.56	Area	39.77
NO_2	276000	4379000	28.80	Annual	All	1st	198.87	1.50	158.34	3.64	Area	40.53
NO_2	283400	4382000	28.79	Annual	All	1st	206.25	1.70	163.46	6.10	Area	42.79
NO_2	283500	4381900	28.77	Annual	All	1st	189.61	1.68	145.44	7.49	Area	44.17
NO_2	283600	4381800	28.74	Annual	All	1st	178.90	1.54	134.30	7.85	Area	44.60
NO_2	281500	4382250	28.62	Annual	All	1st	271.36	1.38	227.27	7.30	Area	44.09
NO_2	280750	4382250	28.57	Annual	All	1st	208.46	1.56	165.98	5.94	Area	42.48
NO_2	283400	4381800	28.56	Annual	All	1st	167.51	1.71	124.34	6.80	Area	43.17
NO_2	283600	4381700	28.44	Annual	All	1st	165.53	1.52	122.04	7.10	Area	43.49
NO_2	283100	4381800	28.37	Annual	All	1st	157.18	2.08	116.31	5.12	Area	40.87
NO_2	283200	4382300	28.35	Annual	All	1st	232.36	1.34	194.71	1.19	Area	37.65
NO_2	283500	4382100	28.32	Annual	All	1st	230.18	1.66	185.70	8.37	Area	44.48
NO_2	282800	4382500	28.28	Annual	All	1st	274.13	1.18	229.98	7.63	Area	44.15
NO_2	282700	4382400	28.22	Annual	All	1st	277.23	1.21	230.85	9.96	Area	46.38
NO_2	275000	4378000	28.20	Annual	All	1st	171.76	2.64	133.26	3.54	Area	38.50
NO_2	283600	4381900	28.18	Annual	All	1st	191.12	1.63	146.24	8.95	Area	44.88
NO_2	283700	4381700	28.08	Annual	All	1st	166.13	1.50	122.56	7.62	Area	43.57
NO_2	283400	4382500	28.07	Annual	All	1st	265.11	1.28	224.48	4.49	Area	40.63
NO_2	282900	4382600	28.05	Annual	All	1st	267.53	1.17	226.12	5.17	Area	41.41
NO_2	282800	4381500	28.00	Annual	All	1st	149.97	1.83	109.35	5.12	Area	40.62
NO_2	282100	4382500	27.96	Annual	All	1st	259.57	1.20	215.85	7.63	Area	43.72

TABLE 4-4 (Continued)
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2000

Pollutant	UTM East (meters)	UTM North (meters)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
NO_2	279000	4381000	27.92	Annual	All	1st	189.07	2.21	148.56	5.50	Area	40.51
NO_2	282900	4381400	27.86	Annual	All	1st	142.73	1.69	103.29	3.98	Area	39.44
NO_2	283100	4382100	27.80	Annual	All	1st	219.60	1.46	178.96	5.03	Area	40.64
NO_2	282800	4381400	27.74	Annual	All	1st	140.15	1.81	100.50	4.46	Area	39.65
NO_2	282300	4382200	27.64	Annual	All	1st	265.10	1.31	217.68	11.88	Area	47.42
NO_2	282700	4382500	27.60	Annual	All	1st	273.76	1.18	229.85	8.30	Area	43.91
NO_2	282800	4381300	27.59	Annual	All	1st	136.93	1.51	97.76	3.90	Area	39.17
NO_2	283400	4382300	27.58	Annual	All	1st	234.23	1.46	195.01	3.91	Area	39.22
NO_2	282900	4381500	27.54	Annual	All	1st	148.92	1.74	109.50	4.44	Area	39.42
NO_2	282900	4381900	27.52	Annual	All	1st	191.11	1.70	145.22	10.90	Area	45.89
NO_2	283600	4382100	27.44	Annual	All	1st	239.06	1.71	191.55	12.65	Area	47.51
NO_2	282900	4381300	27.37	Annual	All	1st	136.60	1.57	52.71	3.63	Area	83.89
NO_2	280500	4382000	27.35	Annual	All	1st	202.10	1.88	161.38	6.13	Area	40.72
NO_2	283100	4382200	27.34	Annual	All	1st	227.76	1.37	187.80	4.88	Area	39.96
NO_2	282700	4381300	27.32	Annual	All	1st	137.27	1.38	97.91	4.30	Area	39.36
NO_2	282800	4382600	27.17	Annual	All	1st	267.62	1.16	226.36	6.20	Area	41.26
NO_2	281750	4382000	27.16	Annual	All	1st	230.46	1.69	186.16	9.77	Area	44.30
NO_2	285000	4382000	27.12	Annual	All	1st	226.48	3.80	179.77	14.34	Area	46.71
NO_2	282000	4382400	27.10	Annual	All	1st	252.75	1.24	209.81	8.04	Area	42.94
NO_2	284000	4382000	27.05	Annual	All	1st	232.45	3.00	179.90	19.48	Area	52.55
NO_2	283200	4382400	27.02	Annual	All	1st	234.14	1.27	197.88	1.51	Area	36.26
NO_2	281750	4382250	26.98	Annual	All	1st	249.16	1.36	206.48	8.07	Area	42.68
NO_2	280750	4382500	26.88	Annual	All	1st	190.21	1.56	150.28	5.67	Area	39.93
NO_2	280000	4381500	26.86	Annual	All	1st	208.21	2.36	168.68	6.08	Area	39.53
NO_2	276500	4380000	26.85	Annual	All	1st	192.59	2.19	154.25	4.72	Area	38.34
NO_2	283100	4382300	26.83	Annual	All	1st	232.02	1.30	194.17	3.37	Area	37.85
NO_2	281000	4382000	26.82	Annual	All	1st	217.85	1.64	176.96	6.77	Area	40.89
NO_2	283300	4382400	26.80	Annual	All	1st	235.14	1.31	198.90	1.81	Area	36.24
NO_2	281250	4381750	26.77[A]	Annual	All	1st	178.99	2.55	137.50	8.33	Area	41.49
NO_2	283000	4381800	26.76	Annual	All	1st	172.59	2.07	133.32	5.65	Area	39.27

TABLE 4-4 (Continued)
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2000

Pollutant	UTM East (meters)	UTM North (meters)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
NO_2	283000	4382000	26.75	Annual	All	1st	205.03	1.54	162.10	8.81	Area	42.93
NO_2	281250	4382500	26.67	Annual	All	1st	243.29	1.43	203.06	6.10	Area	40.23
NO_2	282700	4382600	26.56	Annual	All	1st	267.22	1.16	226.09	6.88	Area	41.13
NO_2	289500	4385500	26.48	Annual	All	1st	224.43	5.39	185.00	9.52	Area	39.43
NO_2	276500	4379500	26.44	Annual	All	1st	223.16	1.62	185.59	3.94	Area	37.57
NO_2	281000	4382500	26.43	Annual	All	1st	206.82	1.48	167.20	5.87	Area	39.62
NO_2	280749.9	4381500	26.30	Annual	All	1st	179.58	6.61	143.80	7.32	Area	35.78
NO_2	283899.9	4381700	26.29	Annual	All	1st	162.63	1.66	120.11	9.13	Area	42.52
NO_2	282100	4382200	26.19	Annual	All	1st	251.17	1.35	207.30	10.31	Area	43.87
NO_2	282300	4382300	26.12	Annual	All	1st	261.56	1.26	217.70	10.29	Area	43.86
NO_2	270500	4376500	26.07	Annual	All	1st	156.03	1.68	120.06	2.90	Area	35.97
NO_2	271000	4377000	26.07	Annual	All	1st	168.55	1.73	132.44	3.07	Area	36.11
NO_2	283000	4382700	26.06	Annual	All	1st	252.85	1.15	215.65	3.61	Area	37.20
NO_2	283800	4381500	26.04	Annual	All	1st	146.61	1.45	107.14	6.19	Area	39.47
NO_2	283700	4381500	26.04	Annual	All	1st	146.83	1.44	107.60	5.96	Area	39.23
NO_2	283200	4382600	26.02	Annual	All	1st	251.24	1.19	214.32	3.42	Area	36.92
NO_2	282600	4382400	26.00	Annual	All	1st	269.91	1.21	226.40	10.05	Area	43.51
NO_2	293500	4384500	25.98	Annual	All	1st	165.17	1.56	127.66	6.49	Area	37.51
NO_2	283500	4382200	25.98	Annual	All	1st	234.04	3.61	192.28	8.68	Area	41.76
NO_2	282700	4381500	25.97	Annual	All	1st	149.00	2.03	110.35	6.06	Area	38.65
NO_2	283800	4381700	25.96	Annual	All	1st	164.84	1.51	123.50	8.23	Area	41.34
NO_2	274000	4377500	25.85	Annual	All	1st	173.46	2.11	137.38	3.23	Area	36.08
NO_2	282000	4382500	25.81	Annual	All	1st	247.87	1.20	207.25	7.42	Area	40.62
NO_2	283900	4381500	25.78	Annual	All	1st	146.02	1.47	106.62	6.49	Area	39.40
NO_2	283800	4381800	25.73	Annual	All	1st	176.66	1.63	133.93	10.04	Area	42.73
NO_2	282600	4382500	25.70	Annual	All	1st	268.06	1.18	226.42	8.55	Area	41.64
NO_2	283300	4381800	25.69	Annual	All	1st	145.03	1.87	106.57	6.09	Area	38.46
NO_2	280499.9	4381750	25.66	Annual	All	1st	230.57	2.26	192.31	6.31	Area	38.26
NO_2	283000	4381700	25.65	Annual	All	1st	162.69	1.97	125.52	4.93	Area	37.17
NO_2	280500	4381000	25.62	Annual	All	1st	154.88	2.26	116.09	6.90	Area	38.79

TABLE 4-4 (Continued)
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2000

Pollutant	UTM East (meters)	UTM North (meters)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
NO_2	283999.9	4381800	25.61	Annual	All	1st	175.47	2.25	130.85	12.72	Area	44.62
NO_2	283899.9	4381800	25.57	Annual	All	1st	177.99	1.84	134.36	11.37	Area	43.63
NO_2	282500	4381400	25.44	Annual	All	1st	144.03	1.34	104.59	6.86	Area	39.44
NO_2	284999.9	4382250	25.35	Annual	All	1st	281.32	3.61	236.89	14.23	Area	44.43
NO_2	271000	4376500	25.29	Annual	All	1st	165.85	1.74	130.96	2.91	Area	34.89
NO_2	283700	4381600	25.28	Annual	All	1st	153.84	1.47	114.99	6.62	Area	38.85
NO_2	282200	4382500	25.27	Annual	All	1st	256.52	1.20	216.13	7.90	Area	40.39
NO_2	281000	4381750	25.26	Annual	All	1st	196.98	1.86	157.74	7.43	Area	39.24
NO_2	274000	4377000	25.21	Annual	All	1st	138.15	1.73	103.10	2.78	Area	35.05
NO_2	284000	4381400	25.20	Annual	All	1st	136.66	1.51	98.55	6.01	Area	38.11
NO_2	282000	4382300	25.19	Annual	All	1st	245.74	1.30	206.54	8.80	Area	39.20
NO_2	282700	4381400	25.18	Annual	All	1st	130.41	1.89	93.58	5.15	Area	36.83
NO_2	283000	4381400	25.15	Annual	All	1st	126.18	1.45	90.38	3.99	Area	35.80
NO_2	282000	4382100	25.15	Annual	All	1st	236.82	1.72	194.03	10.72	Area	42.79
NO_2	276500	4379000	25.13	Annual	All	1st	160.23	1.46	124.54	3.64	Area	35.69
NO_2	282600	4381400	25.13	Annual	All	1st	134.29	1.61	96.46	5.94	Area	37.83
NO_2	282900	4381800	25.04	Annual	All	1st	172.66	2.05	133.52	7.80	Area	39.14
NO_2	282900	4381600	25.03	Annual	All	1st	154.06	1.87	117.49	5.07	Area	36.57
PM_{10}	273500	4371500	61.38[B]	24-Hour	All	2nd	23.06	73.37	29.70	5.35	Point	68.02
PM_{10}	274000	4372000	61.14[B]	24-Hour	All	2nd	23.30	71.51	29.08	4.59	Point	66.92
PM_{10}	275000	4373000	59.49[B]	24-Hour	All	2nd	25.79	113.35	3.49	76.16	Point	37.20
PM_{10}	280000	4385000	58.27	24-Hour	All	2nd	72.76	3.85	15.58	2.75	Area	57.17
PM_{10}	280500	4385000	57.35	24-Hour	All	2nd	72.78	3.67	17.57	1.53	Area	55.20
PM_{10}	279500	4385000	56.76	24-Hour	All	2nd	74.01	1.82	15.88	3.20	Area	58.13
PM_{10}	274500	4372500	52.85[B]	24-Hour	All	2nd	56.91	46.62	19.13	31.55	Area	37.77
PM_{10}	282500	4385500	51.78	24-Hour	All	2nd	68.59	3.64	14.26	6.19	Area	54.33
PM_{10}	277500	4385000	51.01	24-Hour	All	2nd	68.61	1.88	17.97	1.51	Area	50.63
PM_{10}	280000	4385500	50.45	24-Hour	All	2nd	68.47	1.81	15.32	4.50	Area	53.15
PM_{10}	277000	4384500	50.00	24-Hour	All	2nd	67.77	2.07	18.08	1.76	Area	49.69
PM_{10}	277500	4384500	49.82	24-Hour	All	2nd	68.81	2.32	19.48	1.82	Area	49.33

TABLE 4-4 (Continued)
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2000

Pollutant	UTM East (meters)	UTM North (meters)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
PM_{10}	276500	4384500	49.65	24-Hour	All	2nd	66.72	2.06	17.16	1.98	Area	49.56
PM_{10}	275000	4384500	48.47	24-Hour	All	2nd	63.70	2.80	15.32	2.71	Area	48.38
PM_{10}	279000	4384500	47.96	24-Hour	All	2nd	68.72	3.74	22.89	1.60	Area	45.83
PM_{10}	273000	4371500	47.92	24-Hour	All	2nd	36.06	41.82	28.27	1.70	Point	40.13
PM_{10}	271500	4382000	47.75	24-Hour	All	2nd	70.89	0.78	22.60	1.32	Area	48.29
PM_{10}	272500	4371000	47.36	24-Hour	All	2nd	34.47	41.30	26.67	1.72	Point	39.57
PM_{10}	275500	4384500	47.33	24-Hour	All	2nd	65.02	2.95	15.48	5.17	Area	49.55
PM_{10}	276000	4384500	47.22	24-Hour	All	2nd	66.08	2.76	16.85	4.77	Area	49.23
PM_{10}	274500	4384500	46.92	24-Hour	All	2nd	62.33	2.42	14.61	3.22	Area	47.72
PM_{10}	275500	4385000	46.60	24-Hour	All	2nd	62.74	1.83	16.41	1.56	Area	46.33
PM_{10}	274500	4385000	46.39	24-Hour	All	2nd	59.74	1.61	13.73	1.22	Area	46.01
PM_{10}	275000	4385000	46.23	24-Hour	All	2nd	60.97	1.43	15.15	1.03	Area	45.82
PM_{10}	274000	4384500	46.12	24-Hour	All	2nd	61.25	2.29	14.43	3.00	Area	46.83
PM_{10}	272000	4382000	46.09	24-Hour	All	2nd	71.29	0.88	24.70	1.38	Area	46.58
PM_{10}	278000	4385000	46.05	24-Hour	All	2nd	71.58	3.37	17.51	11.39	Area	54.07
PM_{10}	273000	4382500	45.43	24-Hour	All	2nd	67.66	1.89	19.53	4.59	Area	48.13
PM_{10}	277000	4385000	45.33	24-Hour	All	2nd	68.11	2.99	18.38	7.39	Area	49.73
PM_{10}	276000	4385000	44.36	24-Hour	All	2nd	65.05	2.74	17.51	5.92	Area	47.54
PM_{10}	272500	4382000	44.27	24-Hour	All	2nd	71.76	0.98	26.98	1.48	Area	44.78
PM_{10}	278500	4385000	43.87	24-Hour	All	2nd	73.22	3.68	12.13	20.90	Area	61.09
PM_{10}	273500	4382500	43.43	24-Hour	All	2nd	70.54	1.18	21.03	7.26	Area	49.51
PM_{10}	272500	4382500	42.84	24-Hour	All	2nd	66.47	1.95	19.02	6.56	Area	47.45
PM_{10}	283500	4385500	41.94	24-Hour	All	2nd	76.59	2.11	36.55	0.21	Area	40.04
PM_{10}	276500	4385000	41.72	24-Hour	All	2nd	67.29	3.35	17.85	11.07	Area	49.44
PM_{10}	272000	4370500	41.66	24-Hour	All	2nd	34.35	35.29	26.27	1.71	Point	33.59
PM_{10}	275000	4382500	41.64	24-Hour	All	2nd	70.33	1.27	28.43	1.52	Area	41.90
PM_{10}	274000	4384000	41.05	24-Hour	All	2nd	60.45	1.91	19.28	2.03	Area	41.18
PM_{10}	283000	4386000	40.96	24-Hour	All	2nd	55.61	3.51	17.24	0.92	Area	38.37
PM_{10}	273000	4382000	40.74	24-Hour	All	2nd	73.63	1.13	20.88	13.15	Area	52.75
PM_{10}	282000	4385500	40.48	24-Hour	All	2nd	69.14	3.94	12.95	19.65	Area	56.19

TABLE 4-4 (Continued)
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2000

Pollutant	UTM East (meters)	UTM North (meters)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
PM_{10}	274500	4384000	40.15	24-Hour	All	2nd	61.77	3.23	21.51	3.34	Area	40.26
PM_{10}	275500	4384000	39.79	24-Hour	All	2nd	62.85	2.50	22.85	2.71	Area	40.01
PM_{10}	274000	4382500	39.60	24-Hour	All	2nd	70.74	1.40	21.47	11.08	Area	49.28
PM_{10}	275500	4385500	39.53	24-Hour	All	2nd	55.91	1.84	16.48	1.74	Area	39.42
PM_{10}	275000	4384000	39.46	24-Hour	All	2nd	62.03	3.43	22.50	3.50	Area	39.53
PM_{10}	273000	4371000	39.35	24-Hour	All	2nd	16.87	51.09	26.34	2.28	Point	48.82
PM_{10}	283000	4385500	39.29	24-Hour	All	2nd	61.62	13.66	6.46	29.54	Area	55.16
PM_{10}	273500	4382000	39.01	24-Hour	All	2nd	71.74	0.95	32.10	1.58	Area	39.64
PM_{10}	275000	4385500	39.00	24-Hour	All	2nd	54.51	1.71	15.65	1.57	Area	38.86
PM_{10}	276000	4384000	38.87	24-Hour	All	2nd	62.44	2.29	23.53	2.33	Area	38.91
PM_{10}	278500	4384500	38.73	24-Hour	All	2nd	69.31	4.59	17.54	17.63	Area	51.78
PM_{10}	271500	4370500	38.62	24-Hour	All	2nd	48.26	17.40	26.05	0.99	Area	22.22
PM_{10}	279000	4385000	38.36	24-Hour	All	2nd	74.31	3.08	12.72	26.31	Area	61.59
PM_{10}	271000	4370000	38.09	24-Hour	All	2nd	47.38	15.57	23.65	1.21	Area	23.73
PM_{10}	272500	4370500	37.78	24-Hour	All	2nd	45.22	19.20	25.45	1.20	Area	19.77
PM_{10}	276500	4384000	37.32	24-Hour	All	2nd	61.75	2.49	24.69	2.23	Area	37.06
PM_{10}	283500	4386000	37.11	24-Hour	All	2nd	56.52	3.36	22.65	0.11	Area	33.87
PM_{10}	272000	4371000	36.31	24-Hour	All	2nd	47.92	16.09	26.42	1.28	Area	21.50
PM_{10}	272000	4370000	36.27	24-Hour	All	2nd	45.24	16.99	23.63	2.33	Area	21.61
PM_{10}	282500	4386000	36.22	24-Hour	All	2nd	55.76	3.45	21.59	1.39	Area	34.17
PM_{10}	274000	4382000	36.10[B]	24-Hour	All	2nd	71.68	1.05	34.91	1.72	Area	36.77
PM_{10}	279500	4384500	35.74	24-Hour	All	2nd	76.95	4.28	33.12	12.37	Area	43.83
PM_{10}	274000	4371500	35.70[B]	24-Hour	All	2nd	68.76	4.90	12.62	25.34	Area	56.14
PM_{10}	282000	4385000	35.69	24-Hour	All	2nd	33.33	30.06	26.59	1.10	Point	28.96
PM_{10}	276000	4382500	35.65	24-Hour	All	2nd	69.46	1.69	33.83	1.67	Area	35.63
PM_{10}	271500	4370000	35.49	24-Hour	All	2nd	71.71	5.32	14.20	27.34	Area	57.51
PM_{10}	281000	4385500	35.45	24-Hour	All	2nd	46.55	15.56	24.61	2.06	Area	21.94
PM_{10}	284500	4385500	35.37	24-Hour	All	2nd	60.10	3.25	17.66	10.32	Area	42.43
PM_{10}	276500	4385500	35.34	24-Hour	All	2nd	78.25	2.28	44.18	1.01	Area	34.08
PM_{10}	277000	4384000	35.32	24-Hour	All	2nd	61.28	2.67	26.23	2.40	Area	35.05

TABLE 4-4 (Continued)
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2000

Pollutant	UTM East (meters)	UTM North (meters)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
PM_{10}	277500	4384000	35.09	24-Hour	All	2nd	63.29	2.71	28.19	2.72	Area	35.10
PM_{10}	273500	4370500	34.96	24-Hour	All	2nd	32.12	29.12	25.02	1.27	Point	27.85
PM_{10}	278500	4385500	34.84	24-Hour	All	2nd	65.13	2.37	12.50	20.16	Area	52.63
PM_{10}	276000	4385500	34.72	24-Hour	All	2nd	58.65	3.15	17.23	9.85	Area	41.42
PM_{10}	283500	4385000	34.66	24-Hour	All	2nd	79.79	7.89	44.86	8.16	Area	34.93
PM_{10}	274500	4382500	34.52	24-Hour	All	2nd	71.30	1.72	21.33	17.17	Area	49.97
PM_{10}	273500	4383500	34.48	24-Hour	All	2nd	59.62	1.70	24.80	2.04	Area	34.82
PM_{10}	275000	4383000	34.28	24-Hour	All	2nd	64.56	1.63	22.08	9.82	Area	42.48
PM_{10}	275500	4382500	34.17	24-Hour	All	2nd	70.53	1.76	21.41	16.71	Area	49.12
PM_{10}	271000	4369500	33.99	24-Hour	All	2nd	46.07	12.56	23.02	1.62	Area	23.06
PM_{10}	271000	4369000	33.93	24-Hour	All	2nd	44.58	12.39	21.46	1.59	Area	23.12
PM_{10}	275500	4383000	33.83	24-Hour	All	2nd	64.13	1.58	22.02	9.85	Area	42.11
PM_{10}	269500	4369000	33.70	24-Hour	All	2nd	50.60	10.54	26.80	0.64	Area	23.80
PM_{10}	271500	4369500	33.56	24-Hour	All	2nd	45.74	14.59	23.69	3.09	Area	22.06
PM_{10}	271000	4370500	33.37	24-Hour	All	2nd	48.82	10.74	24.77	1.42	Area	24.04
PM_{10}	271500	4381500	33.27	24-Hour	All	2nd	66.78	0.66	32.99	1.19	Area	33.80
PM_{10}	277000	4385500	33.23	24-Hour	All	2nd	62.02	4.40	17.48	15.71	Area	44.54
PM_{10}	284000	4385500	32.66	24-Hour	All	2nd	68.85	11.00	18.87	28.32	Area	49.98
PM_{10}	284000	4386000	32.61	24-Hour	All	2nd	55.50	8.28	31.01	0.16	Area	24.48
PM_{10}	274000	4383500	32.48	24-Hour	All	2nd	59.32	1.88	26.24	2.48	Area	33.08
PM_{10}	282000	4386000	32.46	24-Hour	All	2nd	56.47	3.66	9.12	18.55	Area	47.35
PM_{10}	270500	4369000	32.29	24-Hour	All	2nd	46.69	10.43	23.42	1.41	Area	23.27
PM_{10}	283500	4386500	32.20	24-Hour	All	2nd	44.28	6.32	17.35	1.06	Area	26.93
PM_{10}	270500	4369500	32.16	24-Hour	All	2nd	50.74	7.44	25.44	0.58	Area	25.30
PM_{10}	272500	4370000	32.16	24-Hour	All	2nd	48.77	13.04	29.65	0.00	Area	19.12
PM_{10}	281500	4385500	32.05	24-Hour	All	2nd	70.14	4.69	13.54	29.25	Area	56.60
PM_{10}	269000	4369000	31.97	24-Hour	All	2nd	51.33	8.34	26.91	0.79	Area	24.42
PM_{10}	275500	4373000	31.69	24-Hour	All	2nd	34.64	48.82	29.67	22.10	Point	26.72
PM_{10}	273000	4370000	31.61	24-Hour	All	2nd	32.46	24.70	24.86	0.70	Point	24.00
PM_{10}	272000	4372500	31.50	24-Hour	All	2nd	16.89	43.29	26.76	1.92	Point	41.38

TABLE 4-4 (Continued)
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2000

Pollutant	UTM East (meters)	UTM North (meters)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
PM_{10}	272000	4369500	31.32	24-Hour	All	2nd	49.11	7.04	24.11	0.71	Area	24.99
PM_{10}	278500	4384000	31.30	24-Hour	All	2nd	66.65	2.89	2.02	36.21	Area	64.63
PM_{10}	284000	4386500	31.27	24-Hour	All	2nd	45.18	6.04	19.86	0.08	Area	25.32
PM_{10}	272500	4371500	31.20	24-Hour	All	2nd	48.68	10.85	27.31	1.01	Area	21.37
PM_{10}	278000	4385500	31.01	24-Hour	All	2nd	51.52	7.47	25.47	2.51	Area	26.05
PM_{10}	273000	4370500	31.01	24-Hour	All	2nd	64.97	5.37	12.37	26.96	Area	52.60
PM_{10}	276500	4382500	30.96	24-Hour	All	2nd	68.41	1.12	36.76	1.81	Area	31.64
PM_{10}	280500	4385500	30.92	24-Hour	All	2nd	71.13	1.86	9.90	32.17	Area	61.23
PM_{10}	274500	4383500	30.82	24-Hour	All	2nd	63.34	1.83	22.56	11.79	Area	40.78
PM_{10}	273500	4383000	30.81	24-Hour	All	2nd	59.40	1.95	27.75	2.79	Area	31.66
PM_{10}	273500	4371000	30.68	24-Hour	All	2nd	52.21	6.66	25.70	2.49	Area	26.51
PM_{10}	270000	4369500	30.63	24-Hour	All	2nd	49.86	11.63	29.92	0.95	Area	19.95
PM_{10}	274500	4372000	30.55[B]	24-Hour	All	2nd	47.85	13.89	29.33	1.87	Area	18.52
PM_{10}	276000	4383500	30.52	24-Hour	All	2nd	63.12	2.06	31.64	3.02	Area	31.48
PM_{10}	270500	4370000	30.36	24-Hour	All	2nd	50.09	11.56	30.12	1.17	Area	19.97
PM_{10}	284249.9	4385000	30.29	24-Hour	All	2nd	86.35	4.33	59.60	0.80	Area	26.76
PM_{10}	277500	4385500	30.27	24-Hour	All	2nd	63.68	6.59	17.15	22.86	Area	46.54
PM_{10}	269500	4369500	30.16	24-Hour	All	2nd	49.42	7.93	26.43	0.76	Area	22.99
PM_{10}	271500	4371000	30.16	24-Hour	All	2nd	46.46	6.40	22.22	0.49	Area	24.25
PM_{10}	272000	4381500	30.14	24-Hour	All	2nd	51.85	8.45	30.17	0.00	Area	21.69
PM_{10}	271500	4369000	30.13	24-Hour	All	2nd	66.63	0.68	35.69	1.48	Area	30.94
PM_{10}	275500	4383500	30.07	24-Hour	All	2nd	61.42	2.31	30.51	3.16	Area	30.91

Notes:

[A] Value modeled at a receptor inside Kal Kan fenceline
[B] Value modeled at a receptor inside All-Lite fenceline

TABLE 4-5

COMPARITIVE ANALYSIS FOR MODELED ANNUAL NO_2 PSD INCREMENT CONSUMPTION USING 100% AND 60% AREA SOURCE EMISSIONS AND 2000 METEOROLOGICAL DATA

X-Location	Y-Location	Modeled PSD Increment Consumption Using 100% Area Source Emissions ($\mu g/m^3$)	Modeled PSD Increment Consumption Using 60% Area Source Emissions ($\mu g/m^3$)
283100	4382400	34.08	19.95
287000	4382000	32.40	20.46
283000	4382400	32.35	18.12
283200	4381900	32.33	18.56
283200	4382000	31.88	18.41
283300	4381900	31.61	17.84
283100	4381900	31.49	17.98
283300	4382000	31.08	17.69
283000	4382500	31.07	17.62
283100	4382000	31.01	17.61

PM_{10}

PM_{10} modeling showed compliance with the annual PM_{10} PSD increments. However, there were isolated areas of predicted exceedences of the 24-hour PM_{10} PSD increments.

The modeling was completed using existing input data from the increment tracking database, with updated source input for Sierra Pacific's Tracy Generating Station, Kal Kan, Eagle-Picher, Naniwa, All-Lite Aggregates, and Alcoa. These updated data were provided by NDEP. The area source data was also updated by Tetra Tech using an updated threshold value of 6.5E-09 g/s-m^2. The model results showed two general areas where 24-hour PM_{10} PSD increment exceedences were predicted outside facility fencelines in HA83: 1) the area near the All-Lite Aggregate facility and 2) an area north and northeast of the Tracy facility. Although there were updates to the facility and area source inventories, these exceedences were still predicted. Figures 4-8a through 4-10b (Appendix C) present the location and magnitude of PM_{10} increment consumption in HA83 for 24-hour and annual averaging periods.

The model results for 2000 meteorological year runs indicate there are 124 receptors where the 24-hour PM_{10} increment is exceeded; however, not all of these exceedences are in ambient are outside facility fencelines. The predicted highest, second-high exceedence outside any facility's fencelines using 2000 meteorological data is 58.2 $\mu g/m^3$. There were 27 exceedences predicted using 2001 meteorological data, and the modeled highest, second-high value outside any facility's fencelines was 51.5 $\mu g/m^3$. Tables 4-4 and 4-6 show a breakdown of the predicted PM_{10} exceedences for the 2000 and 2001 model years, respectively. This breakdown indicates whether PM_{10} increment consumption at each receptor location is due to area sources or point sources. Figures 4-9a and 4-9b (Appendix C) show a detailed inset of PM_{10} impacts in HA83 for 2000 and 2001 24-hour averaging periods.

Norm Possiel of EPA provided an EPA study on *Procedures for Developing Base Year and Future Year Mass and Modeling Inventories for the Heavy-Duty Diesel Rulemaking* (EPA 2000). The study acknowledges that ISCST3 and AERMOD over predict resultant concentrations from ground level fugitive sources. The study applies an adjustment factor of 25% to account for large-scale transport of local PM_{10} fugitive emissions. In the NDEP Truckee River Corridor study, 100% of area source emissions were used, and the detected exceedences near Tracy can be attributed to area sources. In a comparative analysis, Tetra Tech modeled with only the EPA recommended 25% of the area source emissions, and under this condition, no exceedences caused by area source emissions are predicted north and northeast of Tracy. Table 4-7 shows the modeling results from studies using 100%, 25% and 0% of the area source emissions. This table serves as a comparative analysis for how the area source inventory is affecting modeled PSD increment consumption in HA83.

TABLE 4-6
FACILITY CONTRIBUTIONS TO THE PSD INCREMENT CONSUMPTION IN HA83 FOR 2001

Pollutant	UTM East (meters)	UTM North (meters)	PSD Increment ($\mu g/m^3$)	Averaging Period	Source Group	Rank	Current Area Sources ($\mu g/m^3$)	Current Point Sources ($\mu g/m^3$)	Baseline Area Sources ($\mu g/m^3$)	Baseline Point Sources ($\mu g/m^3$)	Primary Contributor	Primary Contribution ($\mu g/m^3$)
PM_{10}	275000	4373000	122.83[A]	24-hour	All	2nd	9.55	192.93	3.49	76.16	Point	116.78
PM_{10}	268500	4374500	51.51	24-hour	All	2nd	87.28	1.82	36.88	0.72	Area	50.40
PM_{10}	268500	4375000	49.14	24-hour	All	2nd	92.45	1.54	43.95	0.91	Area	48.51
PM_{10}	269000	4375000	45.75	24-hour	All	2nd	90.98	1.64	45.90	0.97	Area	45.08
PM_{10}	269500	4375500	45.33	24-hour	All	2nd	96.17	1.26	50.45	1.66	Area	45.73
PM_{10}	269000	4374500	45.07	24-hour	All	2nd	84.65	1.89	39.69	1.77	Area	44.96
PM_{10}	269500	4375000	44.25	24-hour	All	2nd	89.55	1.53	42.71	4.12	Area	46.84
PM_{10}	269000	4375500	42.95	24-hour	All	2nd	95.07	1.17	50.05	3.24	Area	45.02
PM_{10}	270000	4375500	41.03	24-hour	All	2nd	93.37	1.26	51.96	1.64	Area	41.41
PM_{10}	273000	4370500	38.90	24-hour	All	2nd	42.54	24.34	25.47	2.51	Point	21.83
PM_{10}	273500	4371000	38.65	24-hour	All	2nd	43.29	23.55	25.70	2.49	Point	21.06
PM_{10}	272500	4370000	36.93	24-hour	All	2nd	42.18	20.76	25.44	0.58	Point	20.18
PM_{10}	270000	4375000	35.93	24-hour	All	2nd	84.43	1.47	48.07	1.90	Area	36.36
PM_{10}	268500	4375500	35.85	24-hour	All	2nd	90.00	3.42	54.62	2.95	Area	35.38
PM_{10}	272000	4369500	34.67	24-hour	All	2nd	41.07	18.42	24.11	0.71	Point	17.71
PM_{10}	271500	4369000	33.87	24-hour	All	2nd	40.20	16.38	22.22	0.49	Area	17.98
PM_{10}	268500	4374000	33.67	24-hour	All	2nd	68.63	5.11	38.75	1.32	Area	29.88
PM_{10}	273000	4371500	33.21	24-hour	All	2nd	46.12	17.06	28.27	1.70	Area	17.85
PM_{10}	269500	4374500	32.80	24-hour	All	2nd	72.75	7.06	44.87	2.13	Area	27.88
PM_{10}	271000	4368500	32.38	24-hour	All	2nd	39.58	14.59	19.64	2.15	Area	19.94
PM_{10}	270500	4375500	32.36	24-hour	All	2nd	91.20	1.63	55.46	5.00	Area	35.74
PM_{10}	283000	4386000	31.89	24-hour	All	2nd	46.67	3.37	17.24	0.92	Area	29.43
PM_{10}	274500	4373000	31.49[A]	24-hour	All	2nd	6.41	92.73	49.95	17.71	Point	75.03
PM_{10}	274500	4372000	30.78[A]	24-hour	All	2nd	28.41	33.57	29.33	1.87	Point	31.70
PM_{10}	274000	4371500	30.74[A]	24-hour	All	2nd	31.35	27.08	26.59	1.10	Point	25.98
PM_{10}	268000	4375500	30.12	24-hour	All	2nd	84.99	4.03	55.73	3.17	Area	29.27
PM_{10}	283000	4386500	30.03	24-hour	All	2nd	43.01	2.37	14.60	0.74	Area	28.41

Notes:

[A] Value modeled at a receptor inside All-Lite fenceline

TABLE 4-7
COMPARITIVE ANALYSIS FOR MODELED 24-HOUR PM10 PSD INCREMENT CONSUMPTION USING 100%, 25%, AND 0% AREA SOURCE EMISSIONS AND 2000 METEOROLOGICAL DATA

X-Location	Y-Location	Modeled PSD Increment Consumption Using 100% Area Source Emissions ($\mu g/m^3$)	Modeled PSD Increment Consumption Using 25% Area Source Emissions ($\mu g/m^3$)	Modeled PSD Increment Consumption Using 0% Area Source Emissions ($\mu g/m^3$)
280000	4385000	58.27	11.52	5.67
280500	4385000	57.35	14.11	4.35
279500	4385000	56.76	12.12	-0.95
274500	4372500	52.85	30.17	21.27
282500	4385500	51.78	5.64	-5.86
277500	4385000	51.01	12.45	1.50
280000	4385500	50.45	5.86	-5.17
277000	4384500	50.00	11.65	0.45
277500	4384500	49.82	10.05	-1.77
276500	4384500	49.65	11.51	2.30

4.6.3 HA85

SO_2 increment consumption was modeled for HA85 using the protocol described in Section 4.2 through Section 4.5. No exceedences in HA85 of the 3-hour, 24-hour, or annual SO_2 increment thresholds were predicted. The distribution of 3-hour, 24-hour and annual SO_2 impacts in HA85 are presented in Figures 4-11a, 4-11b, 4-12a, 4-12b, 4-13a, and 4-13b (Appendix C). Table 4-8 presents the highest second-high predicted impacts for modeling with the 2000 and the 2001 meteorological data for HA 85.

The increment consumption in this area is primarily due to changes in population and traffic since the baseline year of 1996. Also seen from the figures, vast areas of HA85 have increment expansion. This is mostly due to reductions in SO_2 emissions from vehicles, and Sierra Pacific's reduced SO_2 emissions from their boilers.

TABLE 4-8
HA85 SO_2 PSD INCREMENT CONSUMPTION

Averaging Period	2000 Modeled SO_2 Increment Consumption ($\mu g/m^3$)	2001 Modeled SO_2 Increment Consumption ($\mu g/m^3$)	SO_2 Increment Limit ($\mu g/m^3$)
3-Hour[1]	8.953	9.682	512
24-Hour[1]	2.049	3.023	91
Annual[2]	-0.008	-0.016	20

Notes:

[1] High Second-High
[2] Maximum

4.7 SUMMARY AND CONCLUSIONS

This study has presented a PSD increment consumption analysis for 3 planning areas in Western Nevada, HA76, HA83, and HA85. The modeling of impacts described in this study predicted compliance with 3-hour, 24-hour, and annual SO_2 PSD increments in HA76, HA83, and HA85 and compliance with annual PM_{10} PSD increments in HA83. The study predicted exceedences of the annual NO_2 increments and 24-hour PM_{10} increments in HA83. Tables 4-5 and 4-6 present a summary of the predicted 24-hour PM_{10} exceedences in HA83. Fugitive area sources significantly contribute to the predicted NO_2 exceedences in HA83. The highest predicted 24-hour PM_{10} exceedences in HA83 were due to impacts from All-Lite Aggregates. Significant refinement of point source input in HA83 was performed in this analysis. Further refinement of the point source database for increment consuming PM_{10} emissions in HA83 may further affect the predicted exceedences of PSD increments in HA83.

5.0 REFERENCES

U.S. Environmental Protection Agency (EPA). 1990. "New Source Review Workshop Manual - Prevention of Significant Deterioration and Nonattainment Area Permitting (Draft)." Office of Air Quality Planning and Standards. Research Triangle Park, NC.

EPA. 1998. "Guideline on Air Quality Models (Revised)." 40 Code of Federal Regulations, Part 51, Appendix W. Office of Air Quality Planning and Standards. Research Triangle Park, NC.

EPA. 2000. "Procedures for Developing Base Year and Future Year Mass and Modeling Inventories for the Heavy-Duty Diesel (HDD) Rulemaking." Office of Air Quality Planning and Standards. Research Triangle Park, NC.

http://www.epa.gov/air/data. U.S. EPA AIRData. Office of Air Quality Planning and Standards. Information Transfer & Program Integration Division. Research Triangle Park, NC.

Federal Register. 2000.

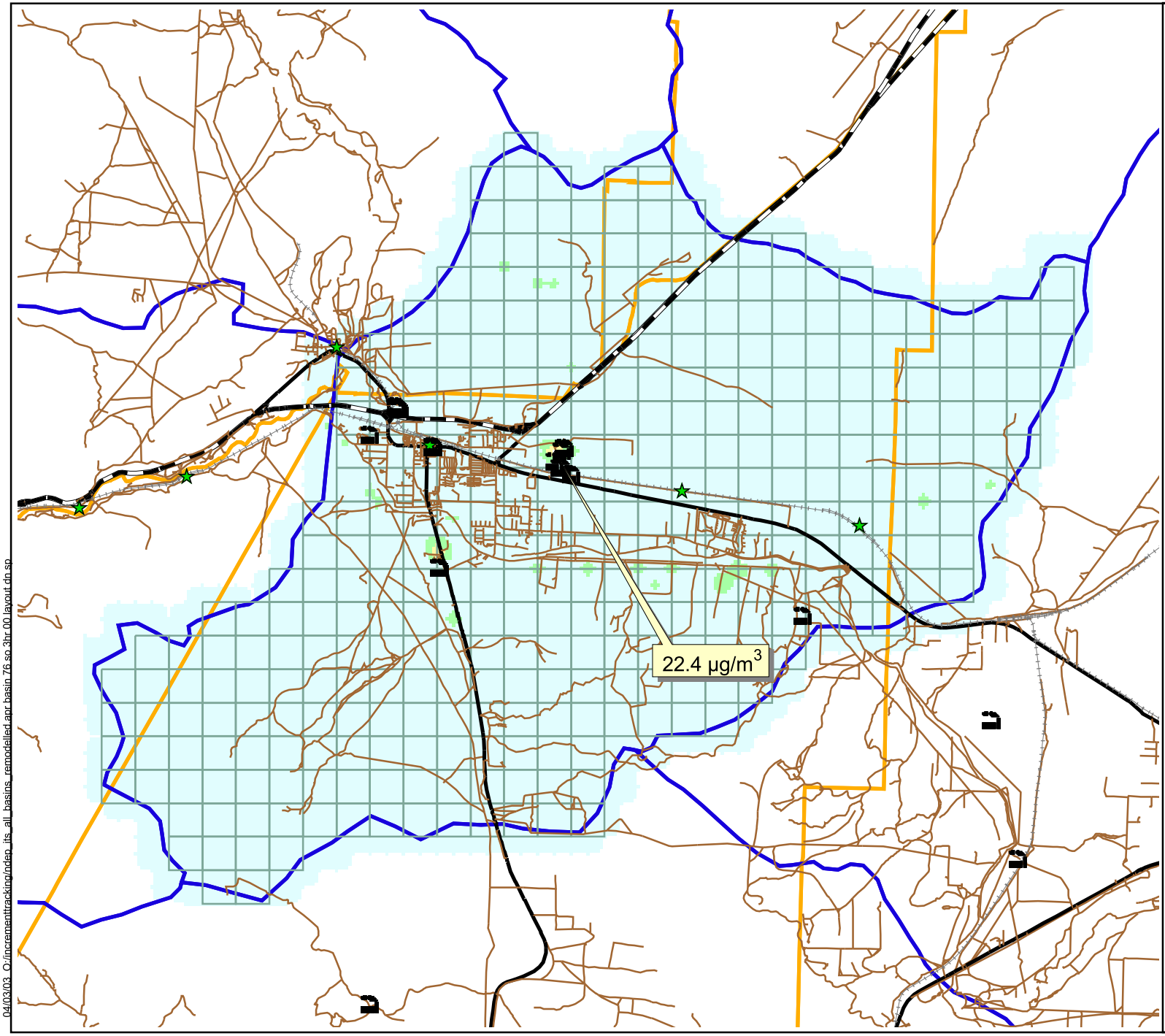
Texas Commission on Environmental Quality. 2002. "Modeling Adjustment Factor for Fugitive Emissions." Air Pollution Division. 12100 Park 35 Circle, Austin, TX.

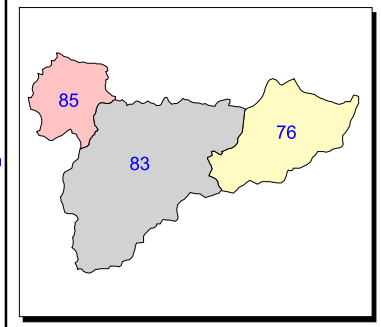
APPENDIX A
INCREMENT TRACKING SYSTEM

ITS FOR HA76, HA83, HA85, AND HA 64 TO BE INCLUDED IN FINAL REPORT FOR CLOVERS AREA

APPENDIX B
QUICK GUIDE FOR HA76, HA83, HA85, AND HA 64 ITS TO BE INCLUDED IN FINAL REPORT FOR CLOVERS AREA

APPENDIX C
INCREMENT TRACKING MAPS





Location Map

Legend

- 1 - 8 µg/m^3
- 8 - 15 µg/m^3
- 15 - 22.4 µg/m^3
- Populated Place
- Facility

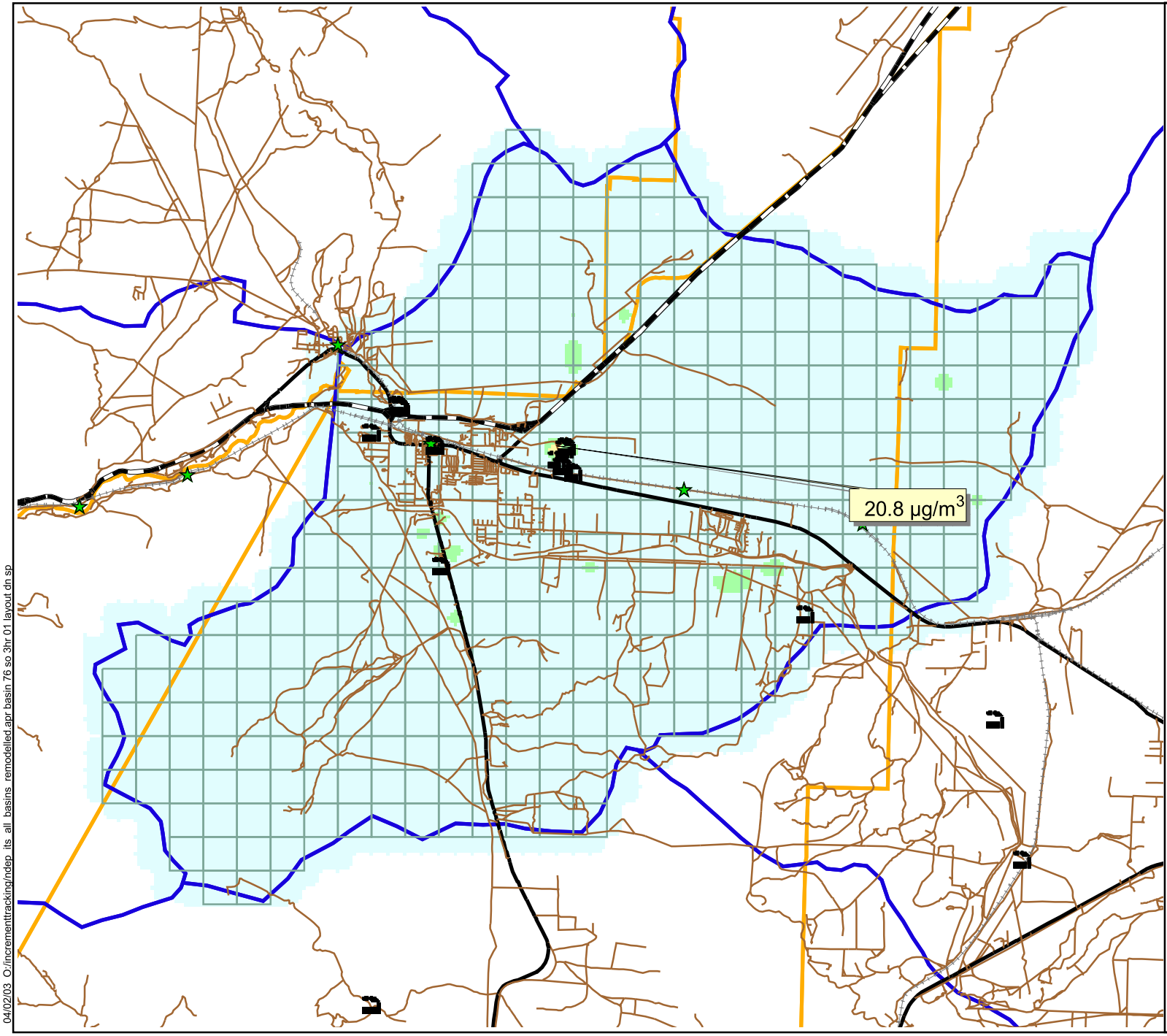
Scale

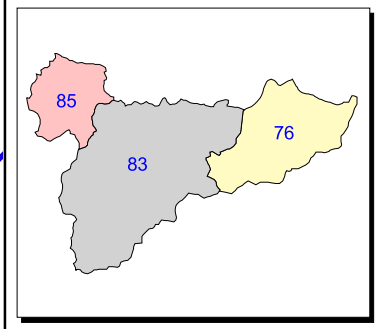
0 2 4 Miles

HA 76
High Second High
3-Hour SO_2 Increments
2000 Current/2000 Baseline
Meteorological Data
Paired in Time Analysis
Figure 4-1A

Nevada Division of
Environmental Protection
Increment Tracking System

04/03/03 O:\incrementtracking\ndep_its_all_basins_remodelled_apr basin 76 so 3hr 00 layout dn sp





Location Map

Legend

- 1 - 8 µg/m^3
- 8 - 14 µg/m^3
- 14 - 20.75 µg/m^3
- Populated Place
- Facility

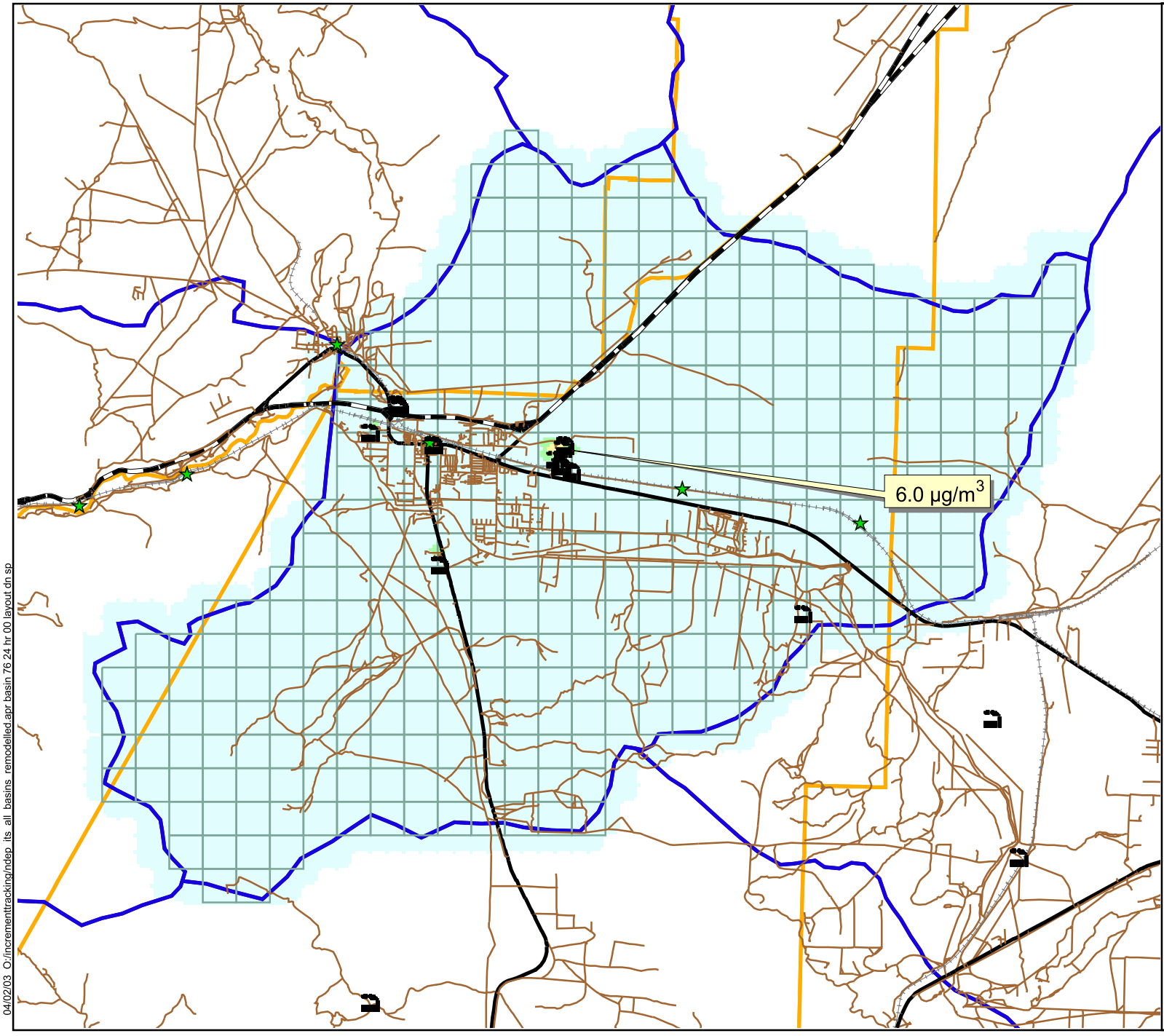
Scale

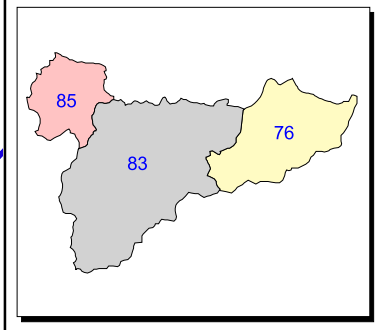
0 2 4 Miles

HA 76
High Second High
3-Hour SO_2 Increments
2001 Current/2001 Baseline
Meteorological Data
Paired in Time Analysis
Figure 4-1B

Nevada Division of
Environmental Protection
Increment Tracking System

04/02/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr basin 76 so 3hr 01 layout dn sp





Location Map

Legend

- 0 - 2 µg/m^3
- 2 - 4 µg/m^3
- 4 - 6 µg/m^3
- Populated Place
- Facility

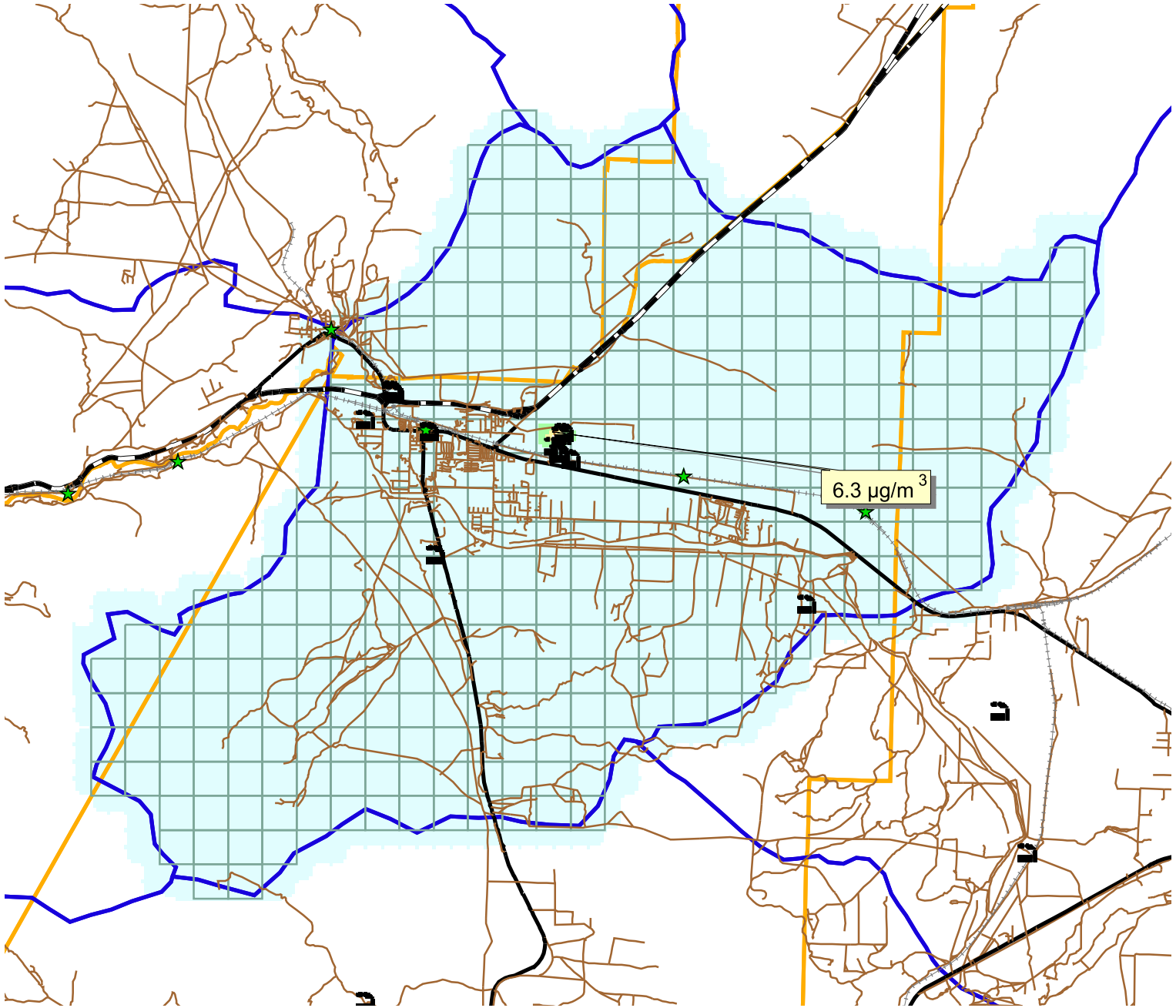
Scale

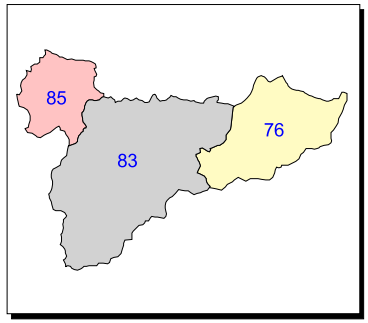
0 2 4 Miles

HA 76
High Second High
24-Hour SO_2 Increments
2000 Current/2000 Baseline
Meteorological Data
Paired in Time Analysis
Figure 4-2A

Nevada Division of
Environmental Protection
Increment Tracking System

04/02/03 O:/incrementtracking/ndep its all basins remodelled.apr basin 76 24 hr 00 layout dn sp





Location Map

Legend

- 0 - 2 µg/m^3
- 2 - 4 µg/m^3
- 4 - 6.3 µg/m^3
- Populated Place
- Facility

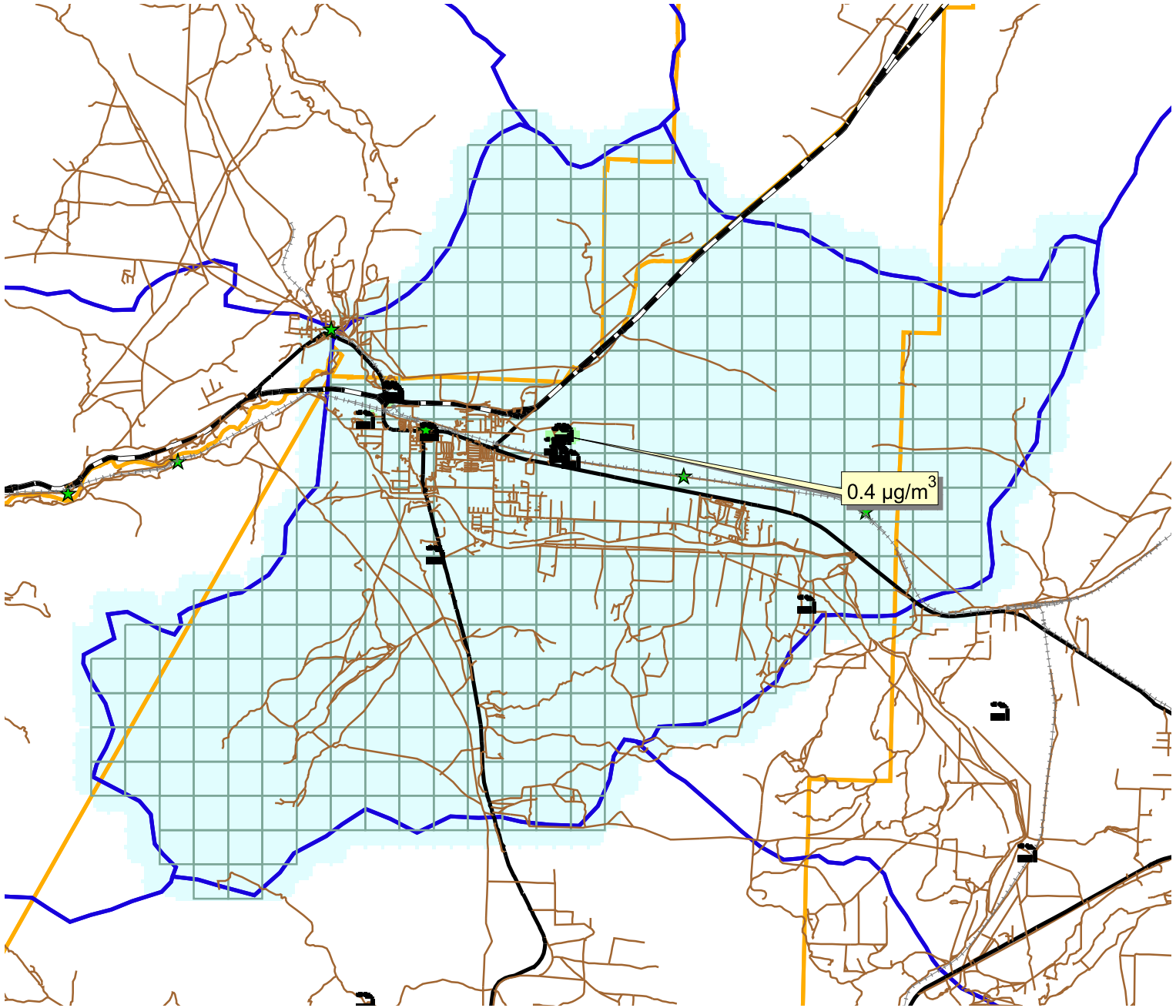
Scale

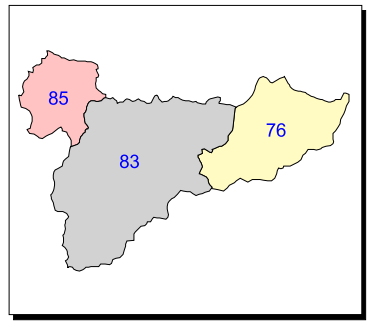
0 1 2 3 4 Miles

HA 76
High Second High
24-Hour SO_2 Increments
2001 Current/2001 Baseline
Meteorological Data
Paired in Time Analysis
Figure 4-2B

Nevada Division of
Environmental Protection
Increment Tracking System

04/03/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr basin 76 so 24hr 01 layout dn sp





Location Map

Legend

-9 - 0 µg/m^3

0 - 0.4 µg/m^3

Populated Place

Facility

Scale

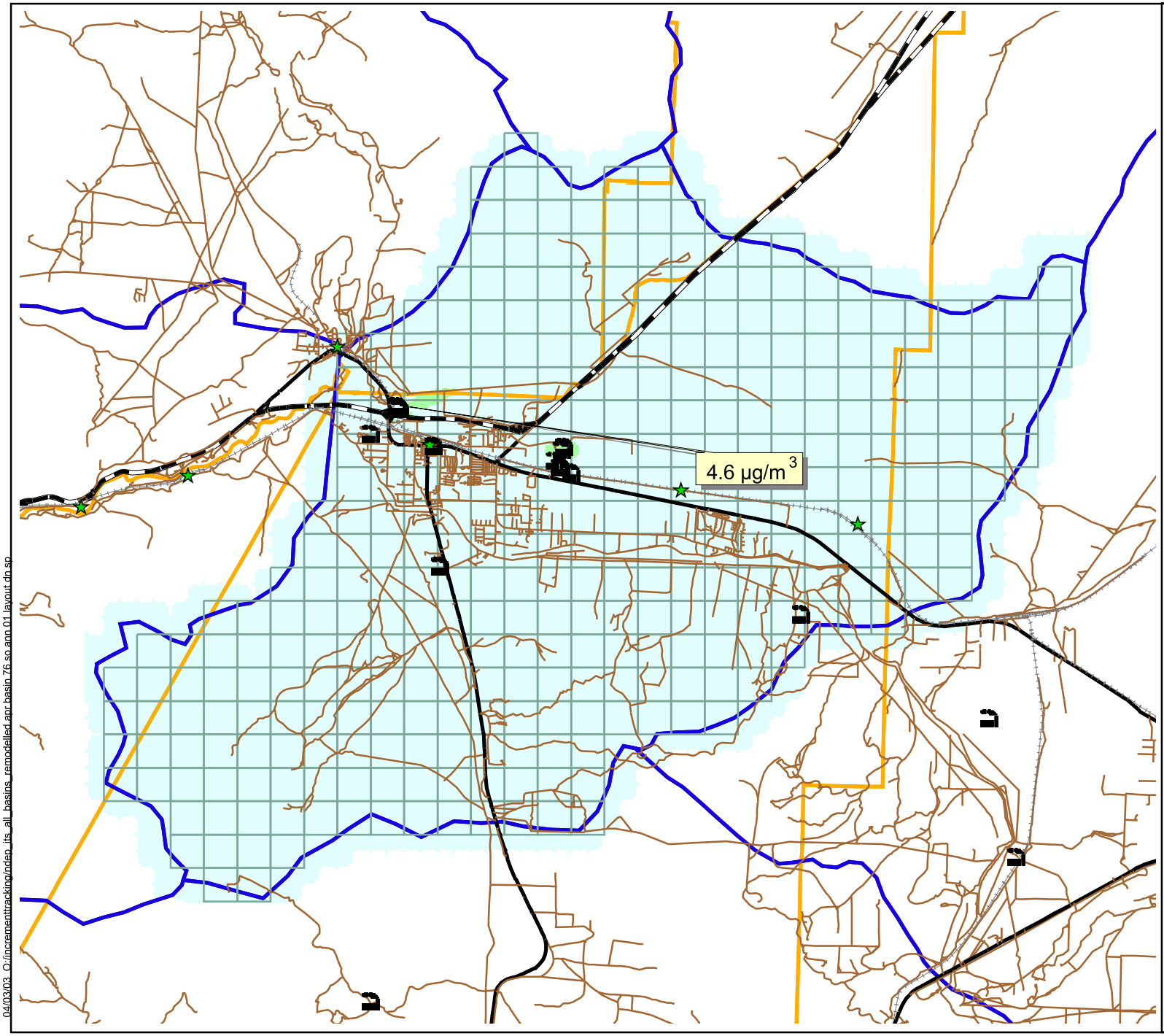
0 2 4 Miles

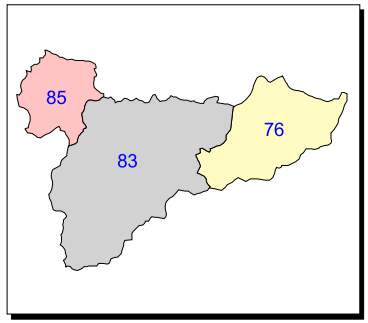
HA 76
Maximum
Annual SO_2 Increments
2000 Current/2000 Baseline
Meteorological Data
Paired in Time Analysis
Figure 4-3A

Nevada Division of
Environmental Protection
Increment Tracking System

NDEP

04/02/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr basin 76 so ann 00 layout dn sp





Location Map

Legend

- -5 - 0 µg/m3
- 0 - 2 µg/m3
- 2 - 4.6 µg/m3
- Populated Place
- Facility

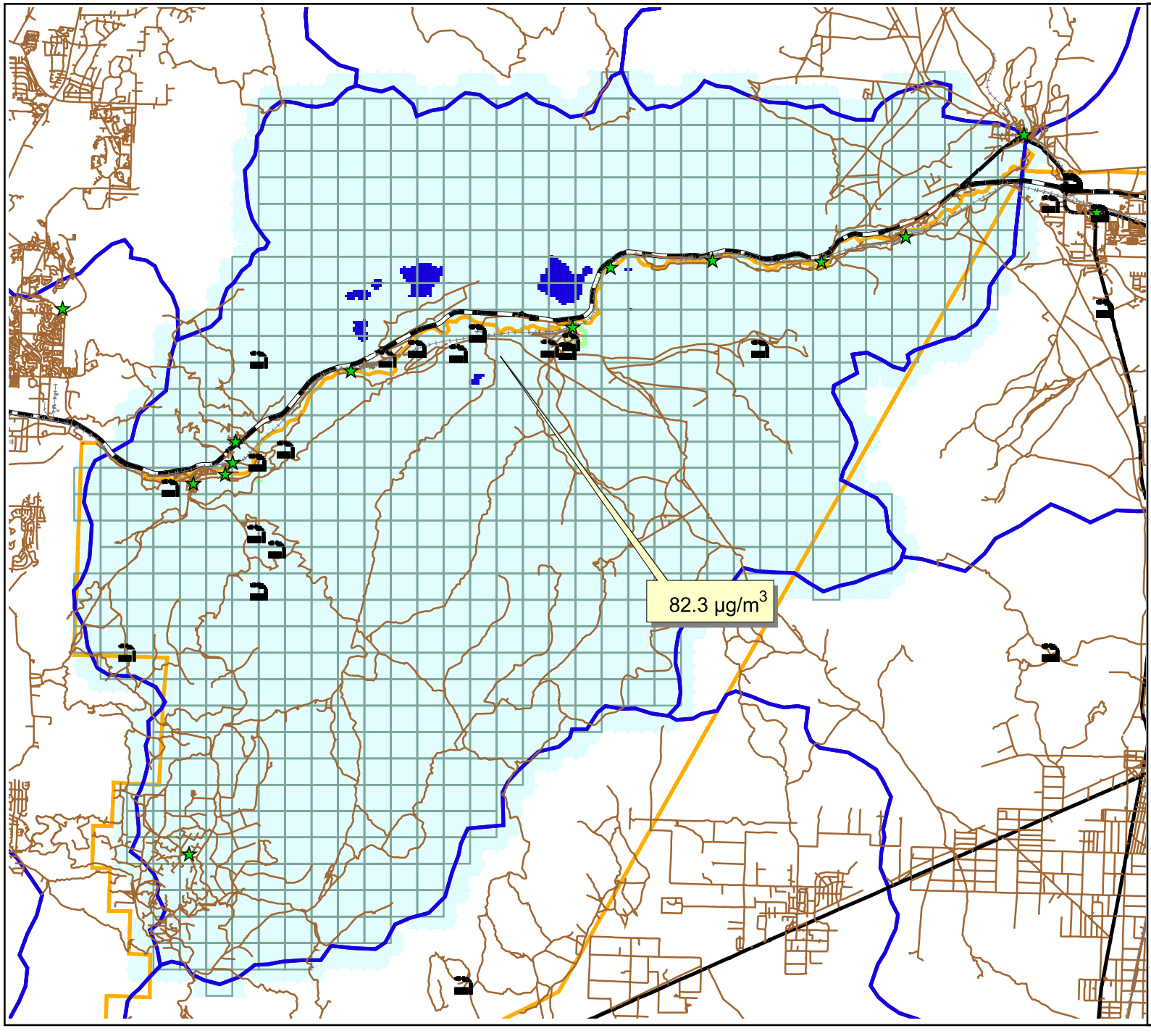
Scale

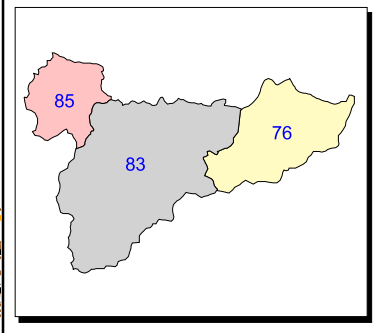
0 2 4 Miles

HA 76
Maximum
Annual SO_2 Increments
2001 Current/2001 Baseline
Meteorological Data
Paired in Time Analysis
Figure 4-3B

Nevada Division of
Environmental Protection
Increment Tracking System

04/03/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr basin 76 so ann 01 layout dn.sp





Location Map

Legend

- -2167 - -1000 µg/m^3
- -1000 - 0 µg/m^3
- 0 - 250 µg/m^3
- 250 - 512 µg/m^3
- 512 - 750 µg/m^3
- 750 - 825.6 µg/m^3
- Populated Place
- Facility

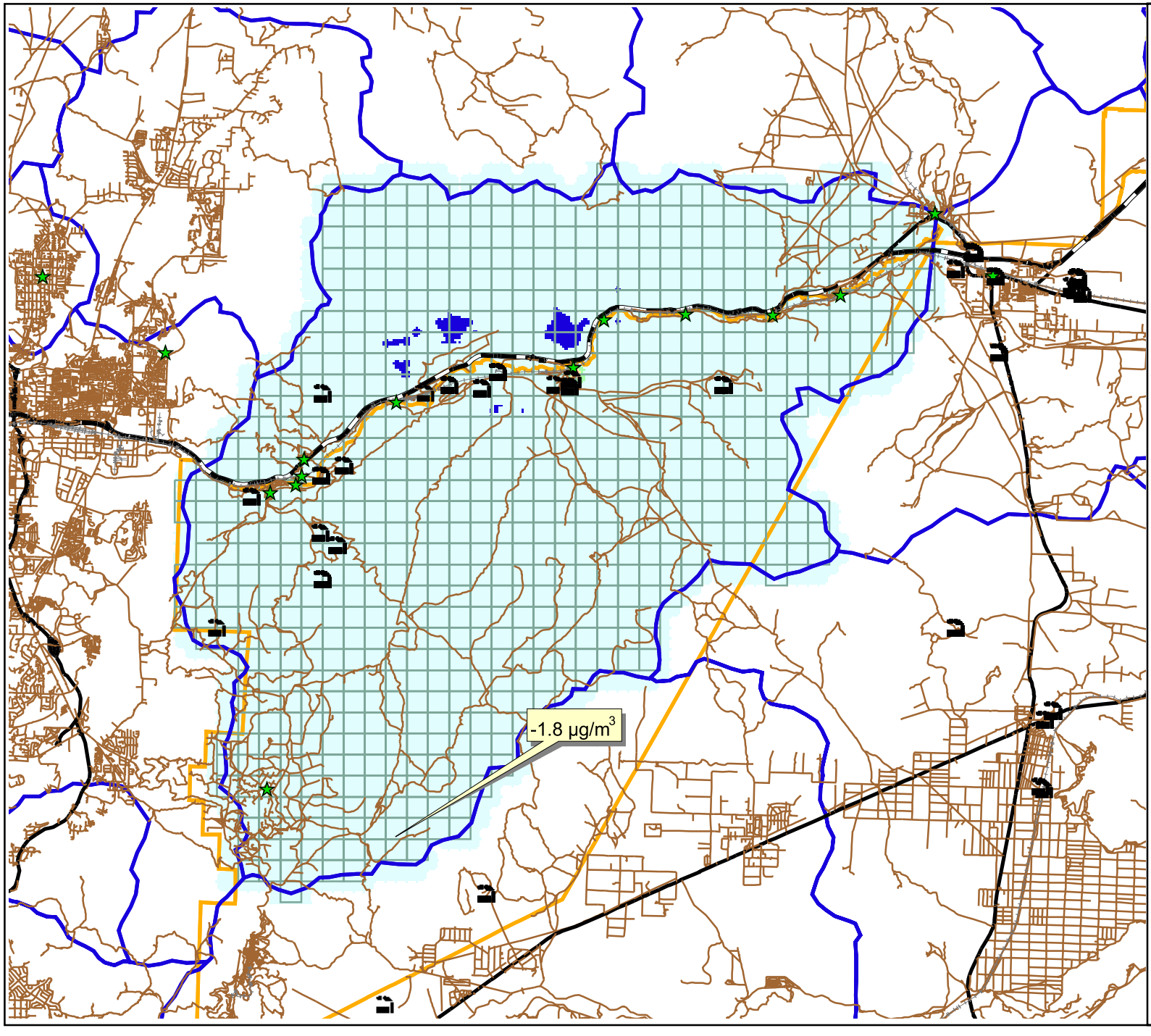
Scale

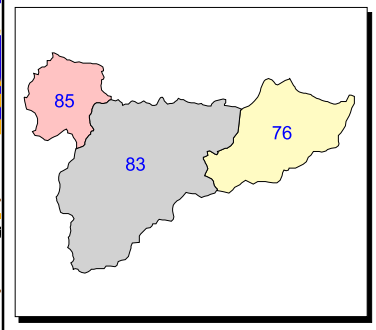
0 2 4 Miles

HA 83 Study
High Second High
3-Hour SO_2 Increments
2000 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-4A

Nevada Division of
Environmental Protection
Increment Tracking System

04/17/03 O:/incrementtracking/ndep_lts_all_basins_remodelled.apr truckee so2 3hr 00 update layout dn sp





Location Map

Legend

- -2207 - -1000 µg/m^3
- -1000 - 0 µg/m^3
- 0 - 250 µg/m^3
- 250 - 512 µg/m^3
- 512 - 700 µg/m^3
- 700 - 716.1 µg/m^3
- Populated Place
- Facility

Scale

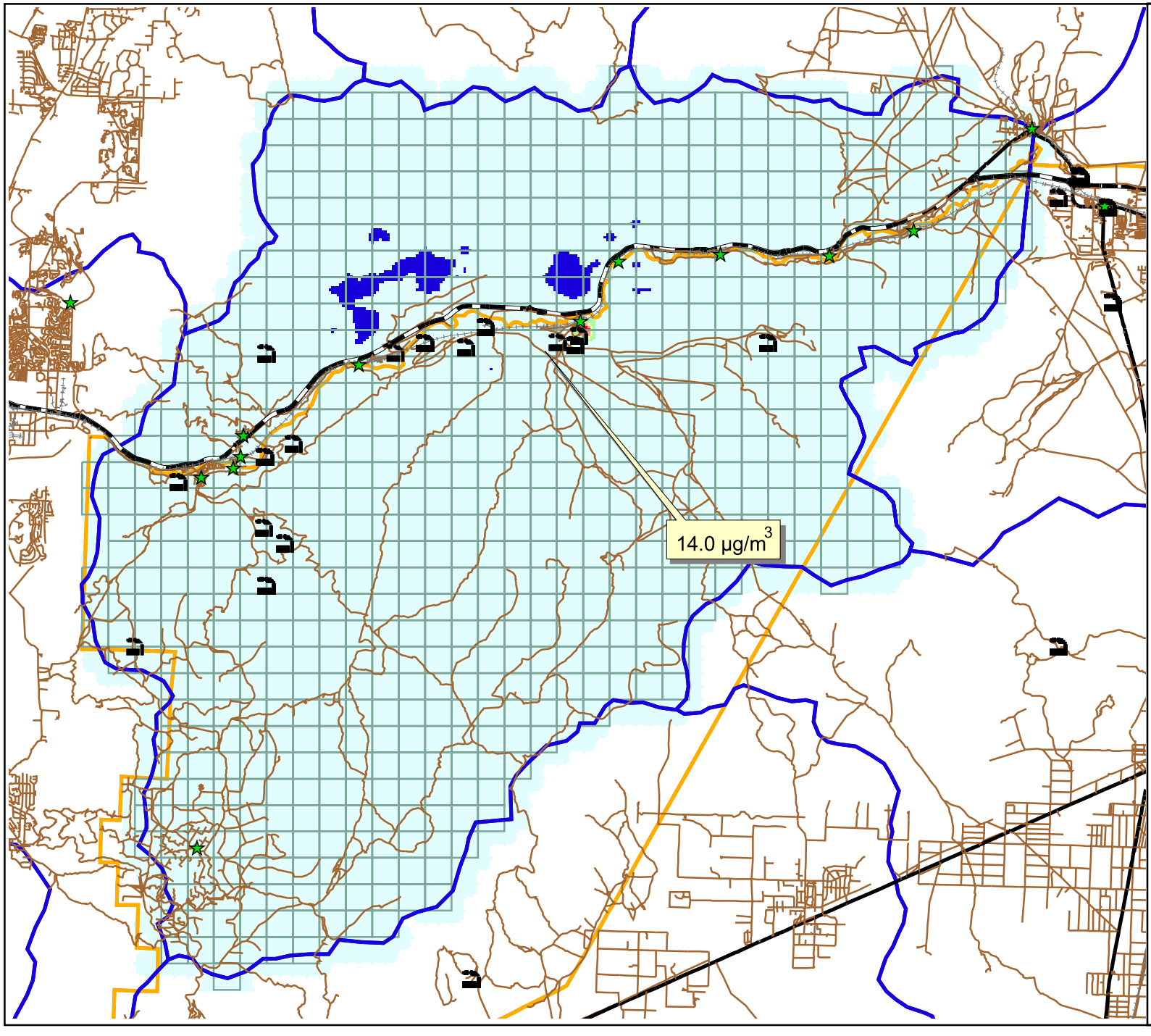
0 2 4 Miles

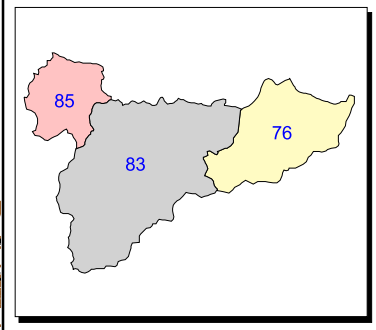
HA 83 Study
High Second High
3-Hour SO_2 Increments
2001 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-4B

Nevada Division of
Environmental Protection
Increment Tracking System

NDEP

04/17/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee so2 3hr 01 update layout dn sp





Location Map

Legend

- -491 - -200 µg/m3
- -200 - 0 µg/m3
- 0 - 50 µg/m3
- 50 - 91 µg/m3
- 91 - 175 µg/m3
- 175 - 268 µg/m3
- Populated Place
- Facility

Scale

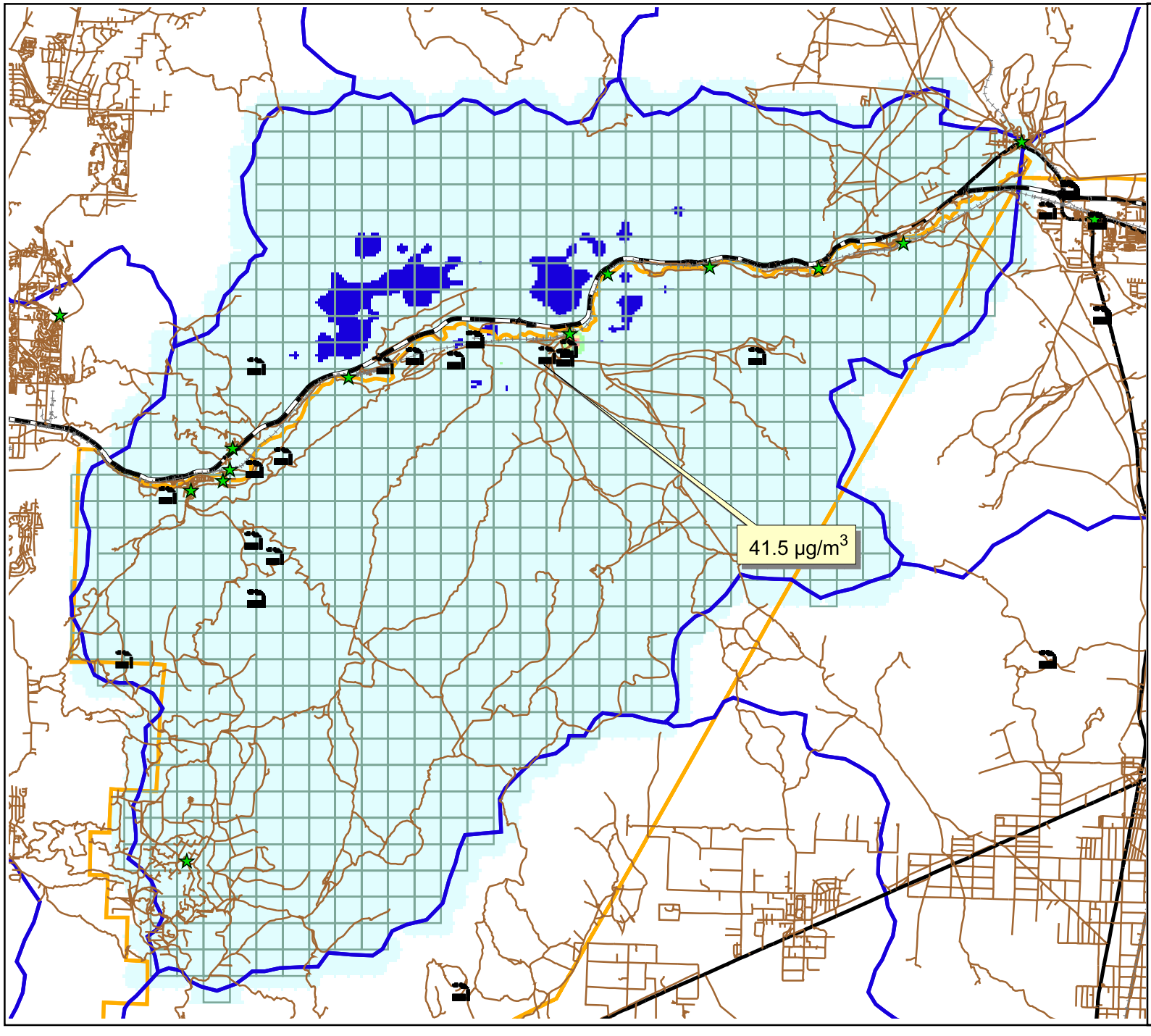
0 2 4 Miles

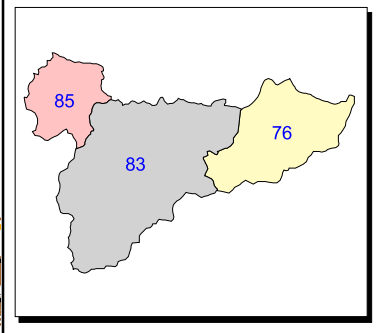
HA 83 Study
High Second High
24-Hour SO_2 Increments
2000 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-5A

Nevada Division of
Environmental Protection
Increment Tracking System

NDEP

04/16/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee so2 24hr 00 update layout dn sp





Location Map

Legend

- -495 - -150 µg/m3
- -150 - 0 µg/m3
- 0 - 50 µg/m3
- 50 - 91 µg/m3
- 91 - 175 µg/m3
- 175 - 199 µg/m3
- Populated Place
- Facility

Scale

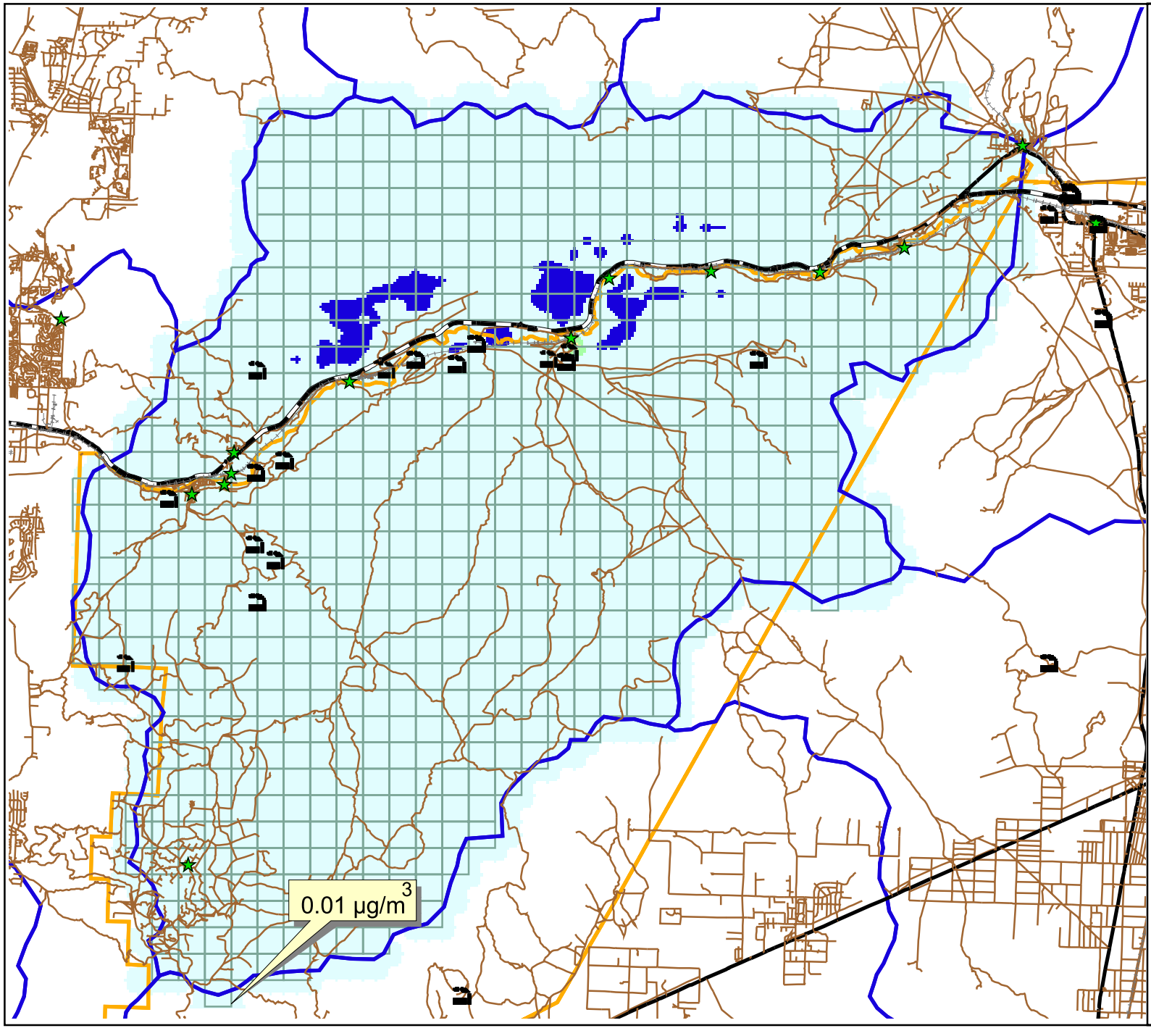
0 2 4 Miles

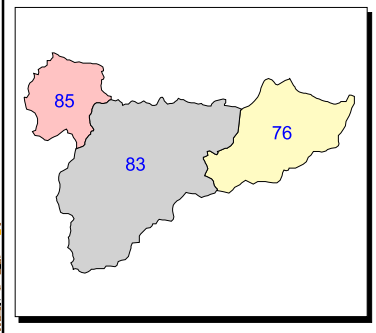
HA 83 Study
High Second High
24-Hour SO_2 Increments
2001 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-5B

Nevada Division of
Environmental Protection
Increment Tracking System

NDEP

04/16/03 O:/incrementtracking/ndep_lts_all_basins_remodelled.apr truckee so2 24hr 01 update layout dn sp





Location Map

Legend

- -71 - -20 µg/m^3
- -20 - 0 µg/m^3
- 0 - 10 µg/m^3
- 10 - 20 µg/m^3
- 20 - 22.5 µg/m^3
- Populated Place
- Facility

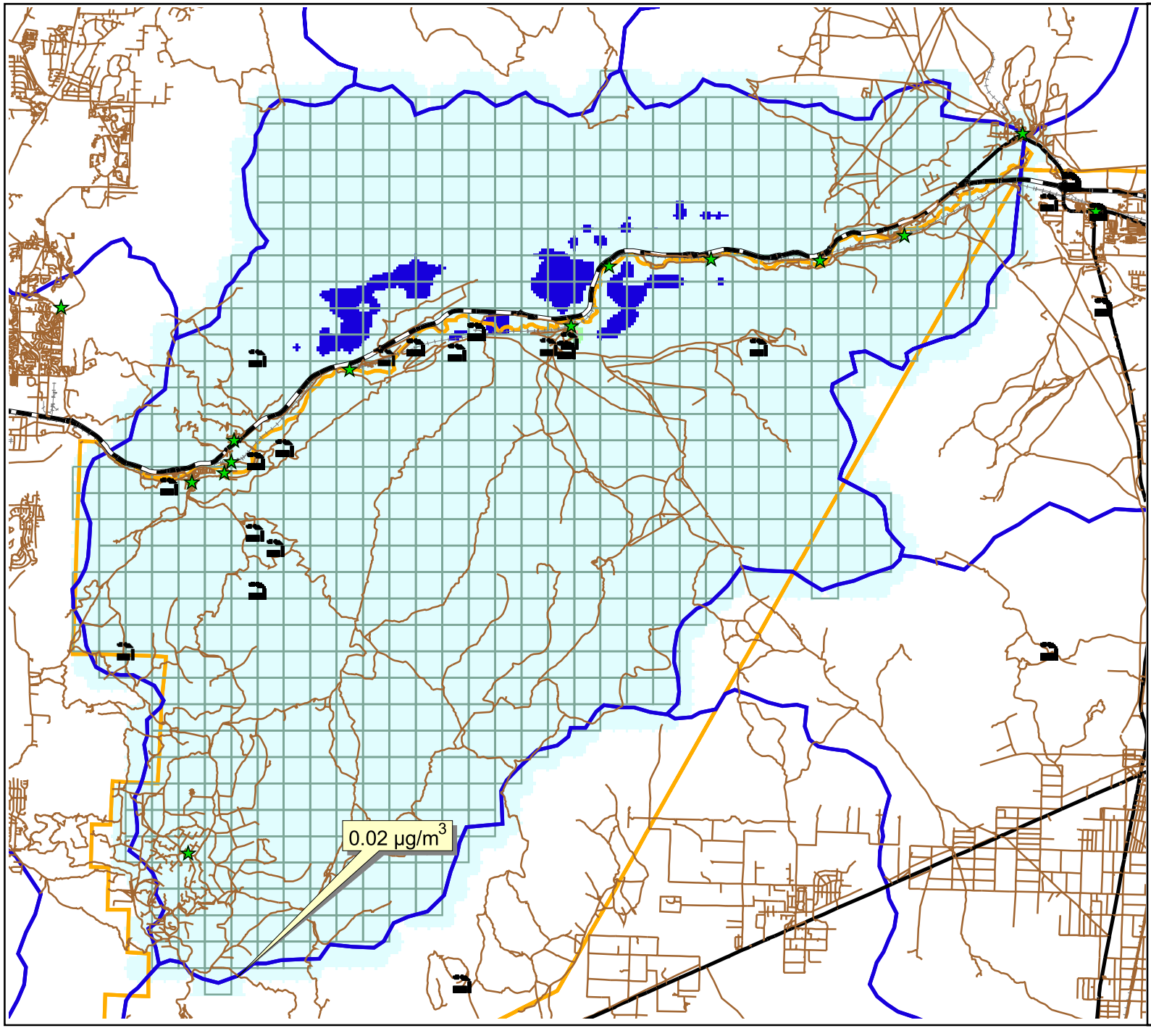
Scale

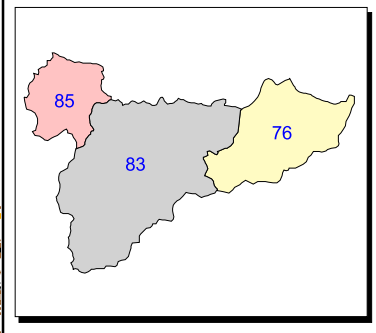
0 2 4 Miles

HA 83 Study
Maximum
Annual SO_2 Increments
2000 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-6A

Nevada Division of
Environmental Protection
Increment Tracking System

04/17/03 O:/incrementtracking/ndep_lts_all_basins_remodelled.apr truckee so2 ann 00 update layout dn sp





Location Map

Legend

- -72 - -20 µg/m^3
- -20 - 0 µg/m^3
- 0 - 10 µg/m^3
- 10 - 15 µg/m^3
- 15 - 20 µg/m^3
- 20 - 22 µg/m^3
- Populated Place
- Facility

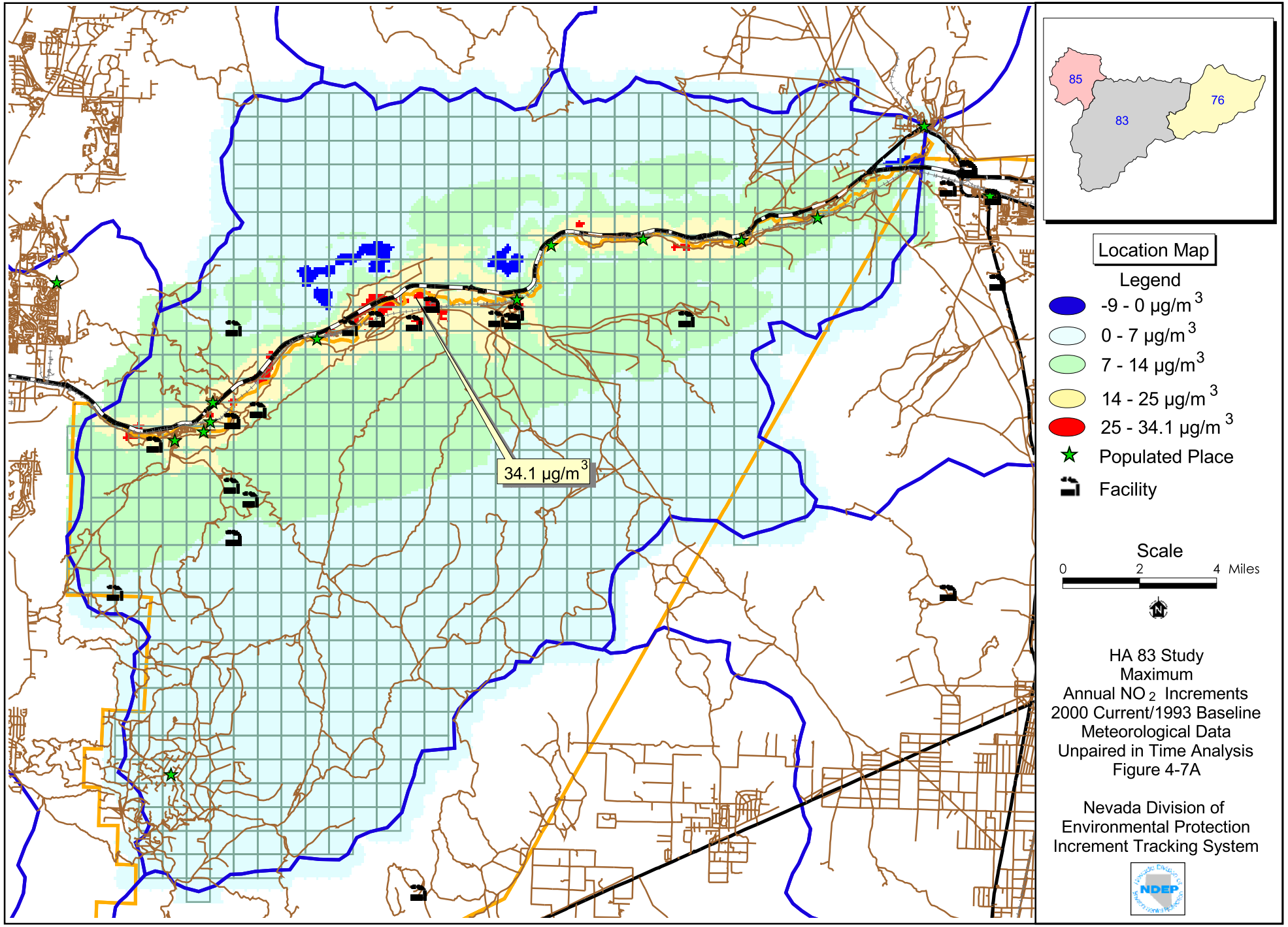
Scale

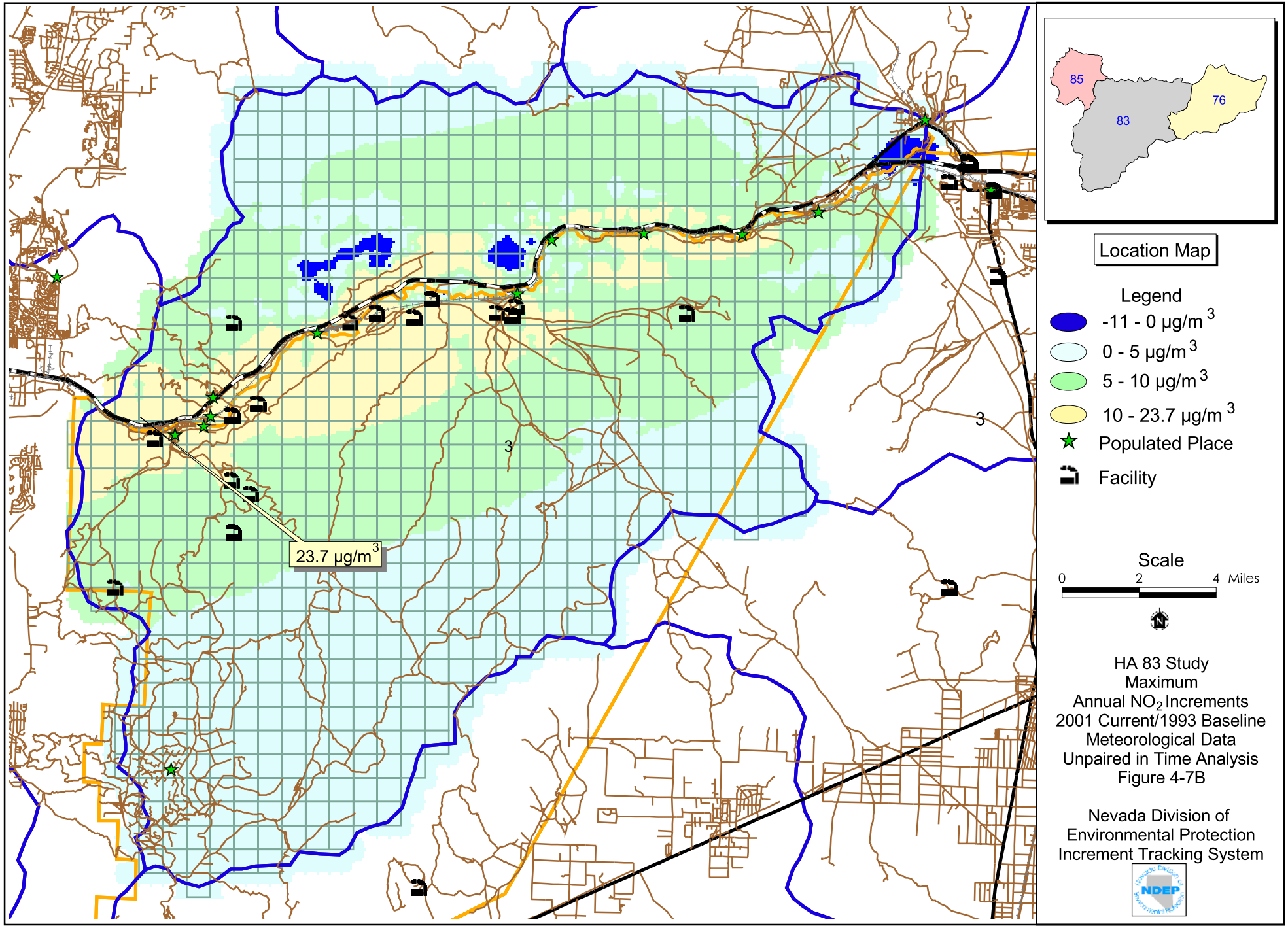
0 2 4 Miles

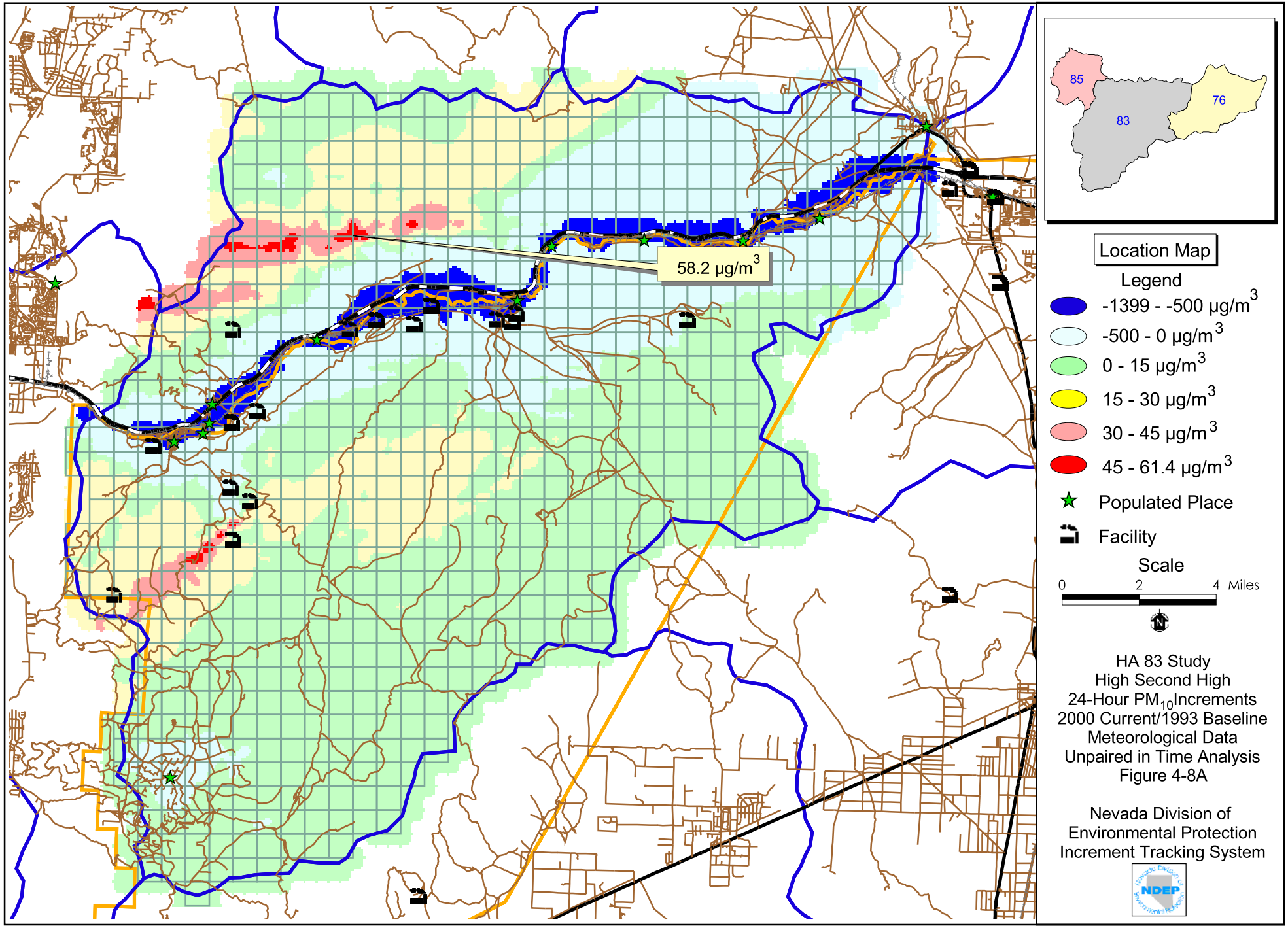
HA 83 Study
Maximum
Annual SO_2 Increments
2001 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-6B

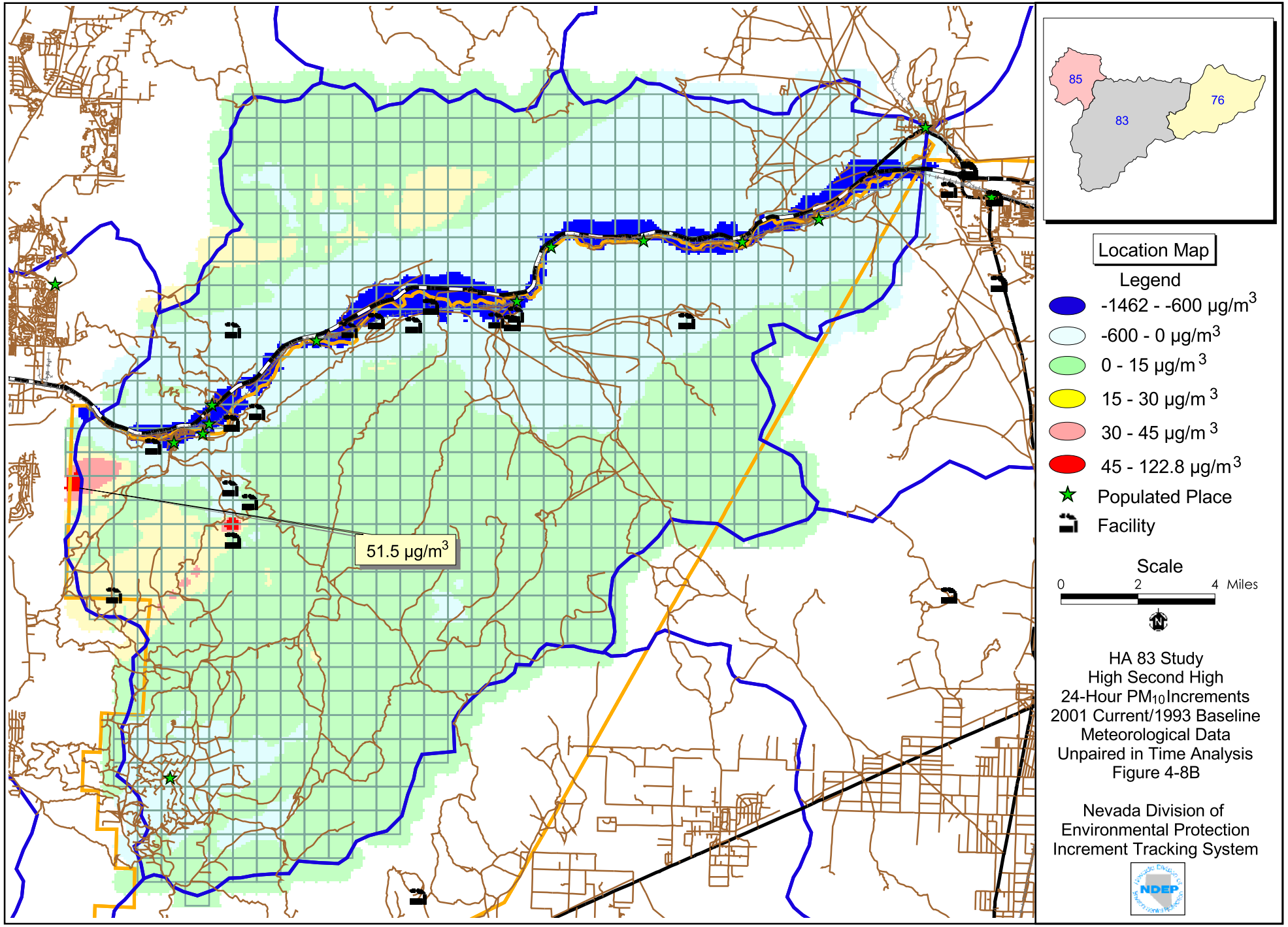
Nevada Division of
Environmental Protection
Increment Tracking System

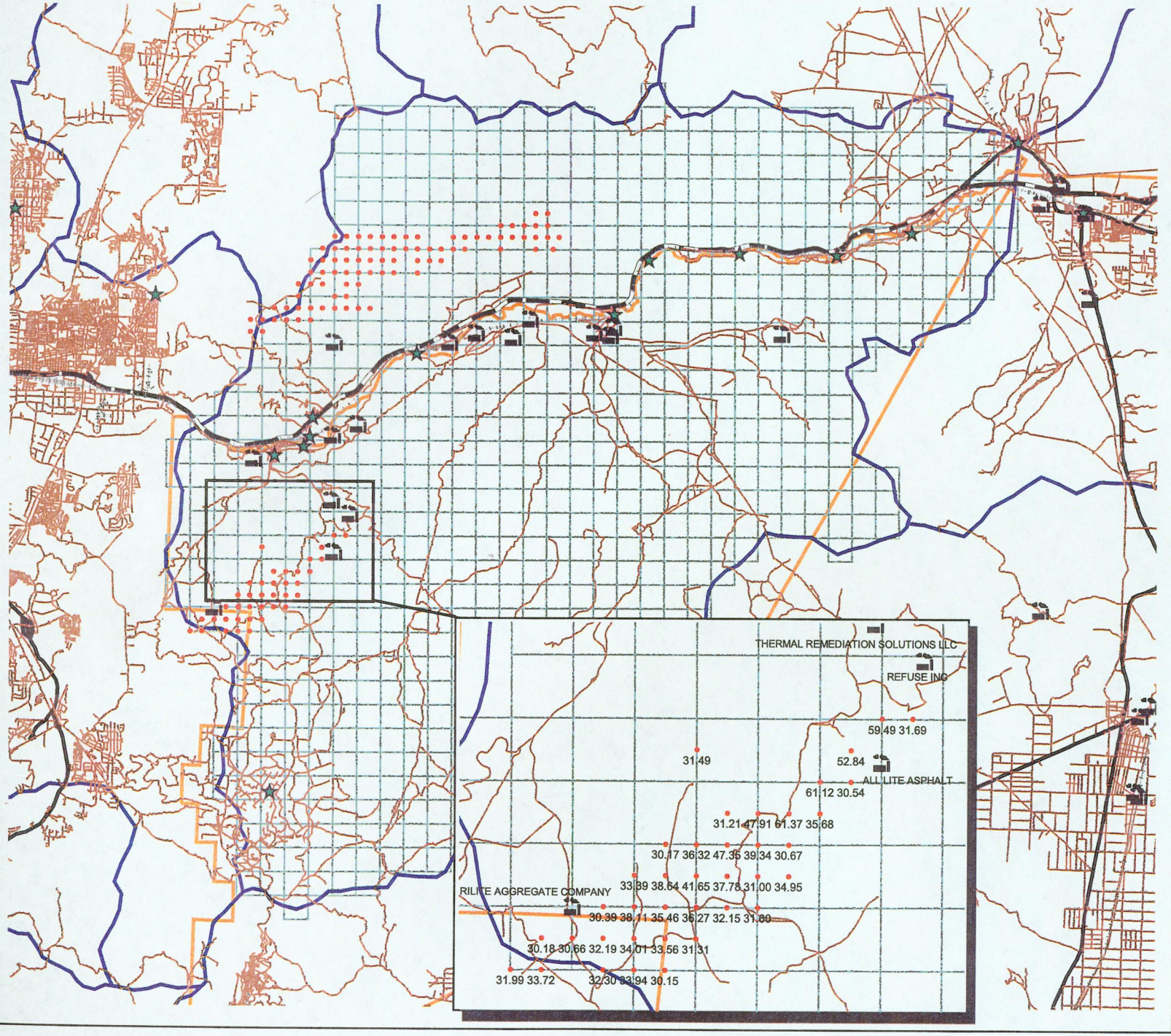
04/17/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee so2 an 01 update layout dn sp

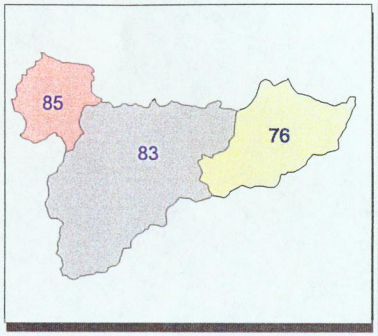

34.1 µg/m3
85
83
76
Location Map
Legend
-9 - 0 µg/m3
0 - 7 µg/m3
7 - 14 µg/m3
14 - 25 µg/m3
25 - 34.1 µg/m3
Populated Place
Facility
Scale
0
2
4 Miles
N
HA 83 Study
Maximum
Annual NO2 Increments
2000 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-7A
Nevada Division of
Environmental Protection
Increment Tracking System
NDEP
07/15/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee nox an 00 update layout dn sp


85
76
83
Location Map
Legend
-11 - 0 µg/m 3
0 - 5 µg/m 3
5 - 10 µg/m 3
10 - 23.7 µg/m 3
Populated Place
Facility
23.7 µg/m3
Scale
0
2
4 Miles
HA 83 Study
Maximum
Annual NO2 Increments
2001 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-7B
Nevada Division of
Environmental Protection
Increment Tracking System
NDEP
07/15/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee nox an 01 updatelayout dn sp


58.2 µg/m3
85
83
76
Location Map
Legend
-1399 - -500 µg/m3
-500 - 0 µg/m3
0 - 15 µg/m3
15 - 30 µg/m3
30 - 45 µg/m3
45 - 61.4 µg/m3
Populated Place
Facility
Scale
0
2
4 Miles
N
HA 83 Study
High Second High
24-Hour PM10 Increments
2000 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-8A
Nevada Division of
Environmental Protection
Increment Tracking System
NDEP
07/02/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee pm10 24 hr 00 layout dn sp


51.5 µg/m3
85
83
76
Location Map
Legend
-1462 - -600 µg/m3
-600 - 0 µg/m3
0 - 15 µg/m3
15 - 30 µg/m3
30 - 45 µg/m3
45 - 122.8 µg/m3
Populated Place
Facility
Scale
0
2
4 Miles
N
HA 83 Study
High Second High
24-Hour PM10 Increments
2001 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-8B
Nevada Division of
Environmental Protection
Increment Tracking System
NDEP
07/02/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee pm10 24 hr 01layout dn sp





Location Map

Legend

- PM_{10} value greater than or equal to 30 µg/m^3
- Populated Place
- Facility

* Values are presented in µg/m^3

Scale

0 2 4 Miles

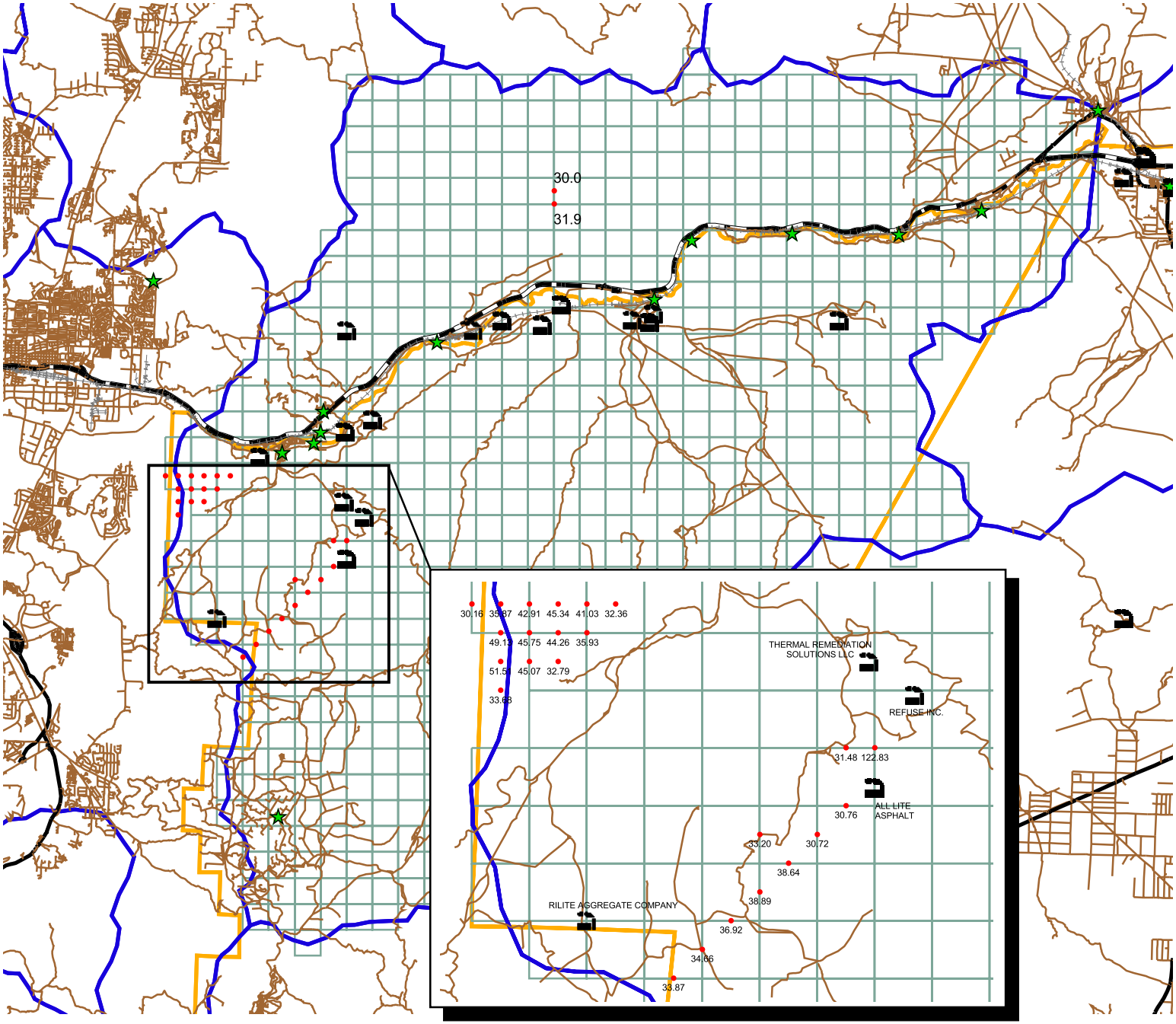
N

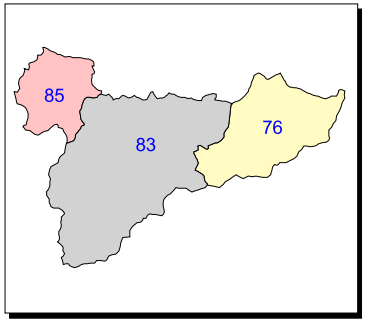
HA 83
High Second High
24-Hour PM_{10} Violations
2000 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-9A

Nevada Division of
Environmental Protection
Increment Tracking System

NDEP

04/04/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee pm insets 24hr 00 layout dn sp





Location Map

Legend

- PM_{10} value greater than or equal to 30 µg/m^3
- Populated Place
- Facility

* Values are presented in µg/m^3

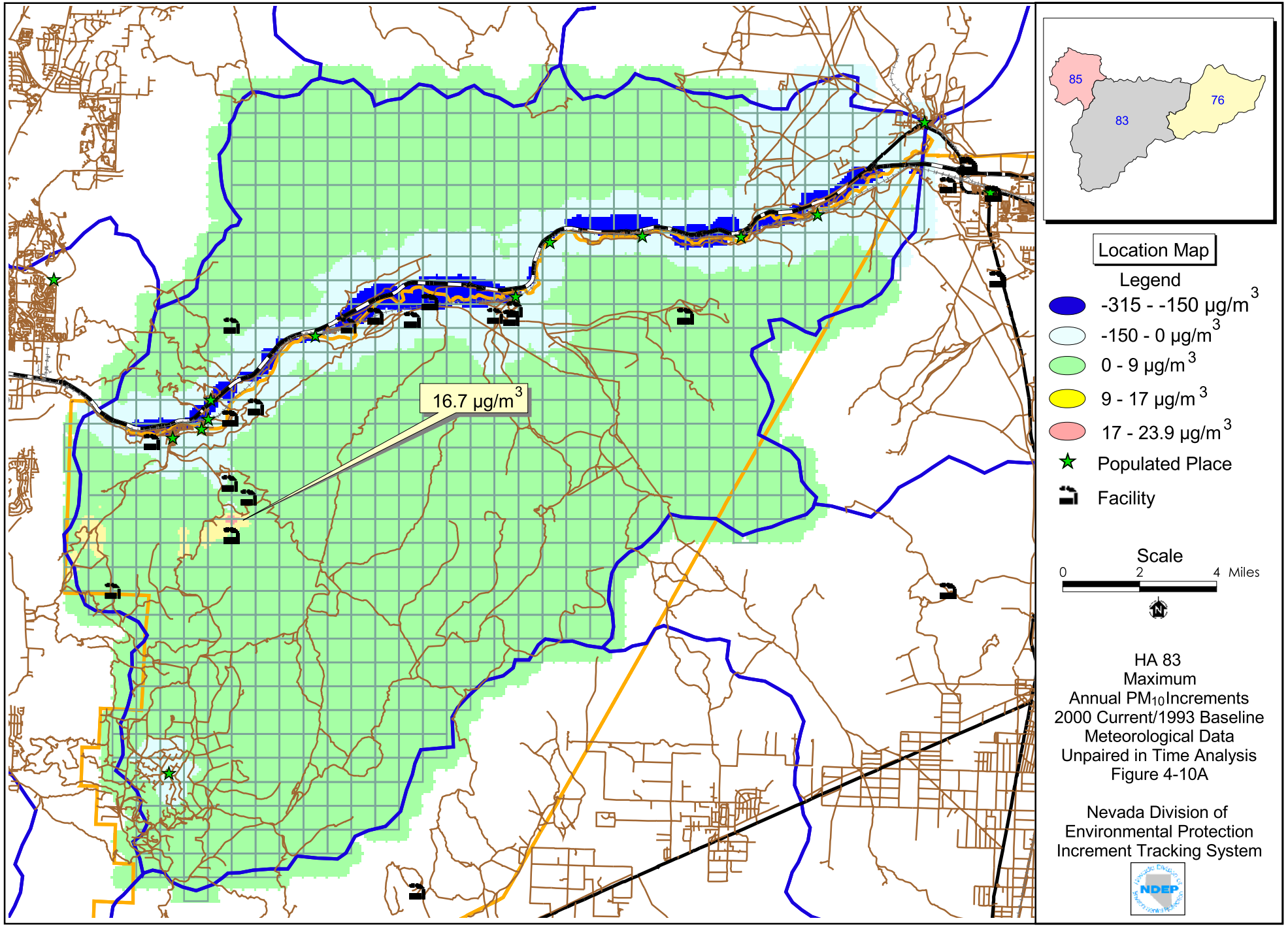
Scale

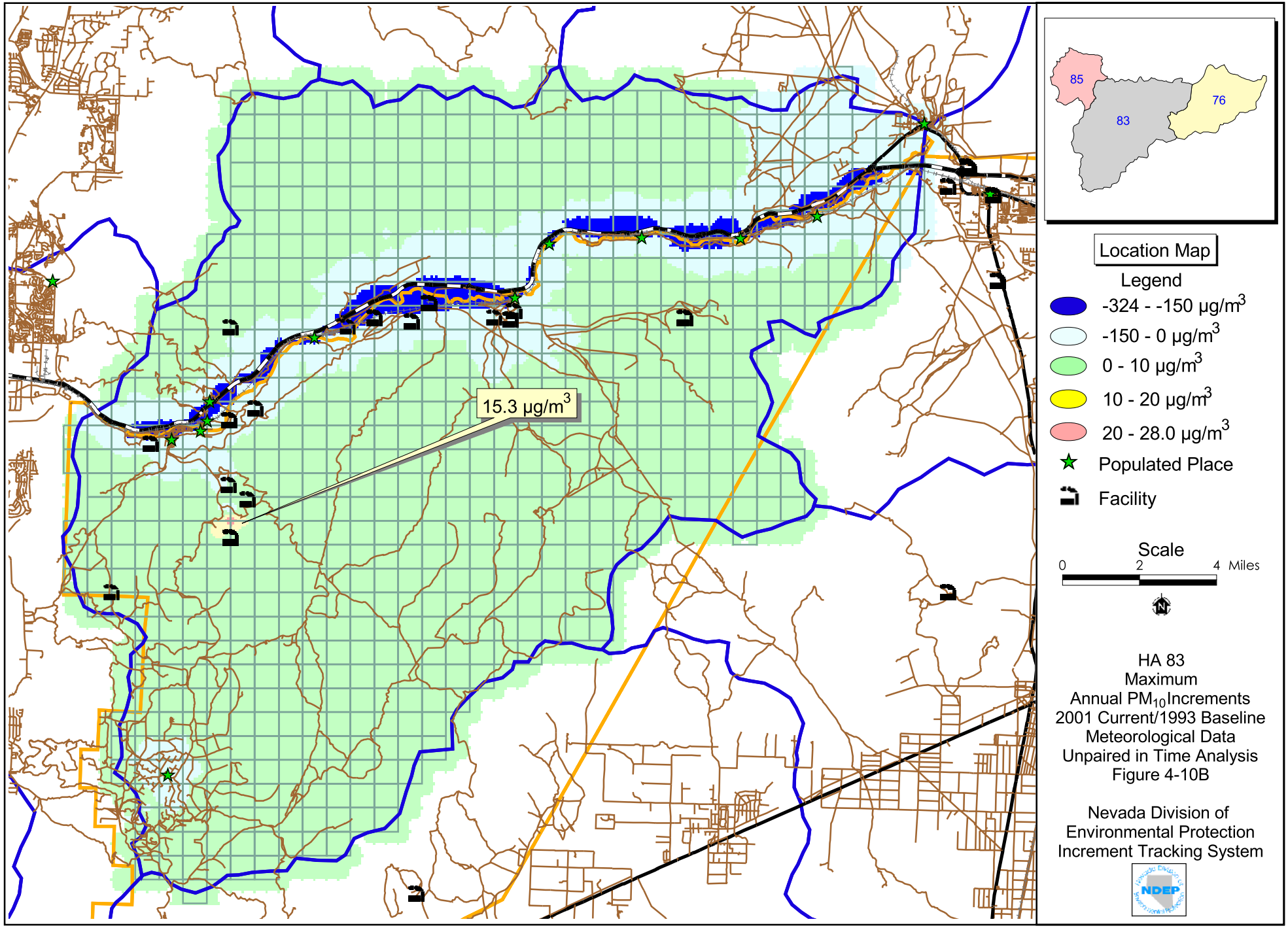
0 2 4 Miles

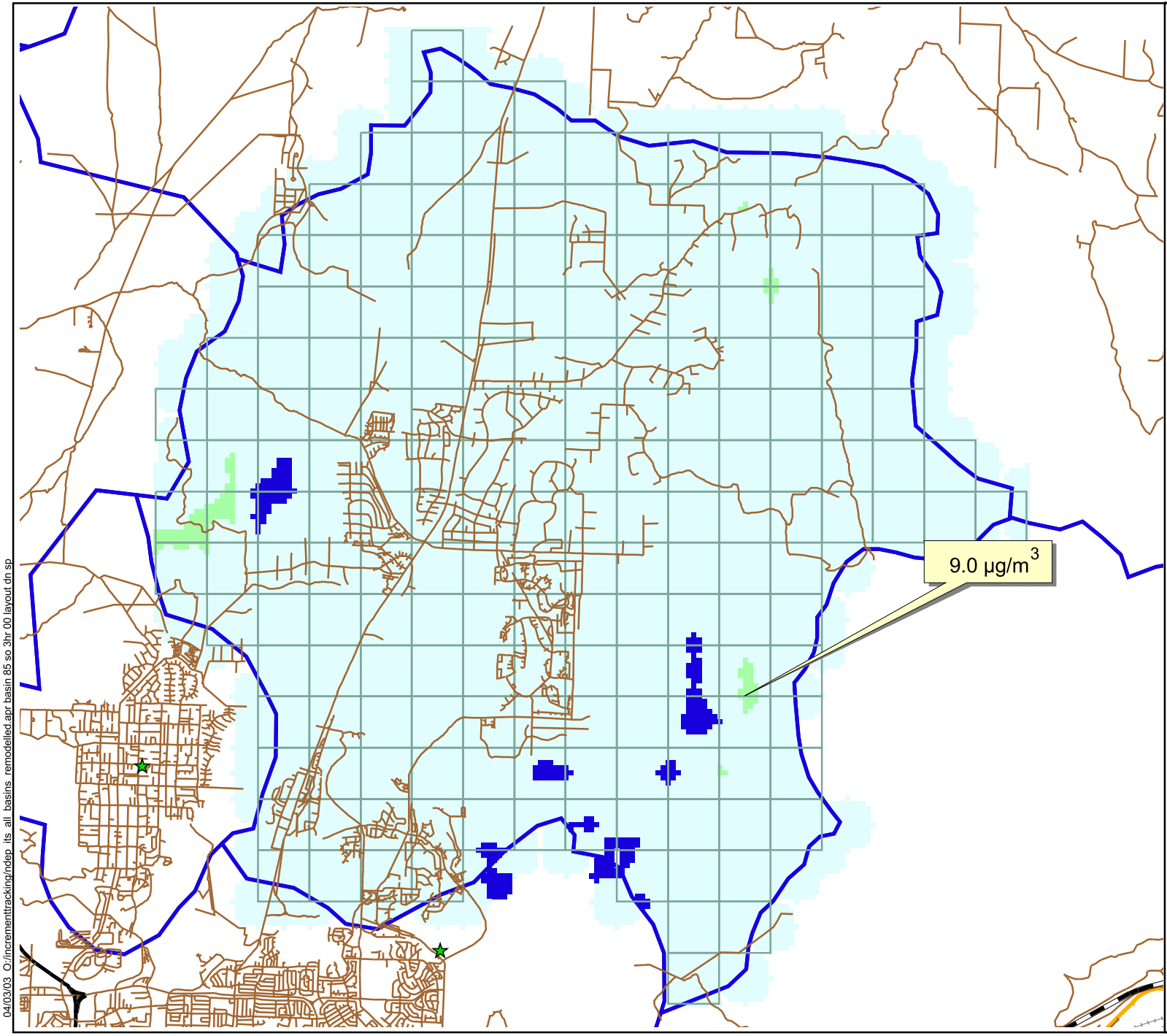
HA 83
High Second High
24-Hour PM_{10} Violations
2001 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-9B

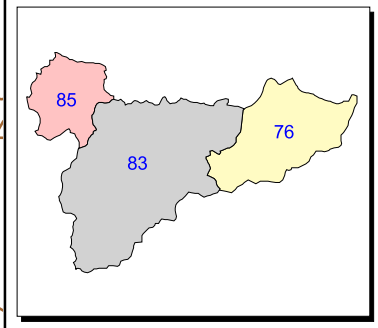
Nevada Division of Environmental Protection
Increment Tracking System

07/03/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee pm insets 24hr 01 layout dn sp


16.7 µg/m3
85
76
83
Location Map
Legend
-315 - -150 µg/m3
-150 - 0 µg/m3
0 - 9 µg/m3
9 - 17 µg/m3
17 - 23.9 µg/m3
Populated Place
Facility
Scale
0
2
4 Miles
N
HA 83
Maximum
Annual PM10 Increments
2000 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-10A
Nevada Division of
Environmental Protection
Increment Tracking System
NDEP
07/02/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee pm10 ann 00 layout dn sp


15.3 µg/m3
85
76
83
Location Map
Legend
-324 - -150 µg/m3
-150 - 0 µg/m3
0 - 10 µg/m3
10 - 20 µg/m3
20 - 28.0 µg/m3
Populated Place
Facility
Scale
0
2
4 Miles
N
HA 83
Maximum
Annual PM10 Increments
2001 Current/1993 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-10B
Nevada Division of
Environmental Protection
Increment Tracking System
NDEP
07/02/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr truckee pm10 ann 01 layout dn sp





Location Map

Legend

- -246 - -123 µg/m3
- -123 - 0 µg/m3
- 0 - 9.0 µg/m3
- Populated Place
- Facility

Scale

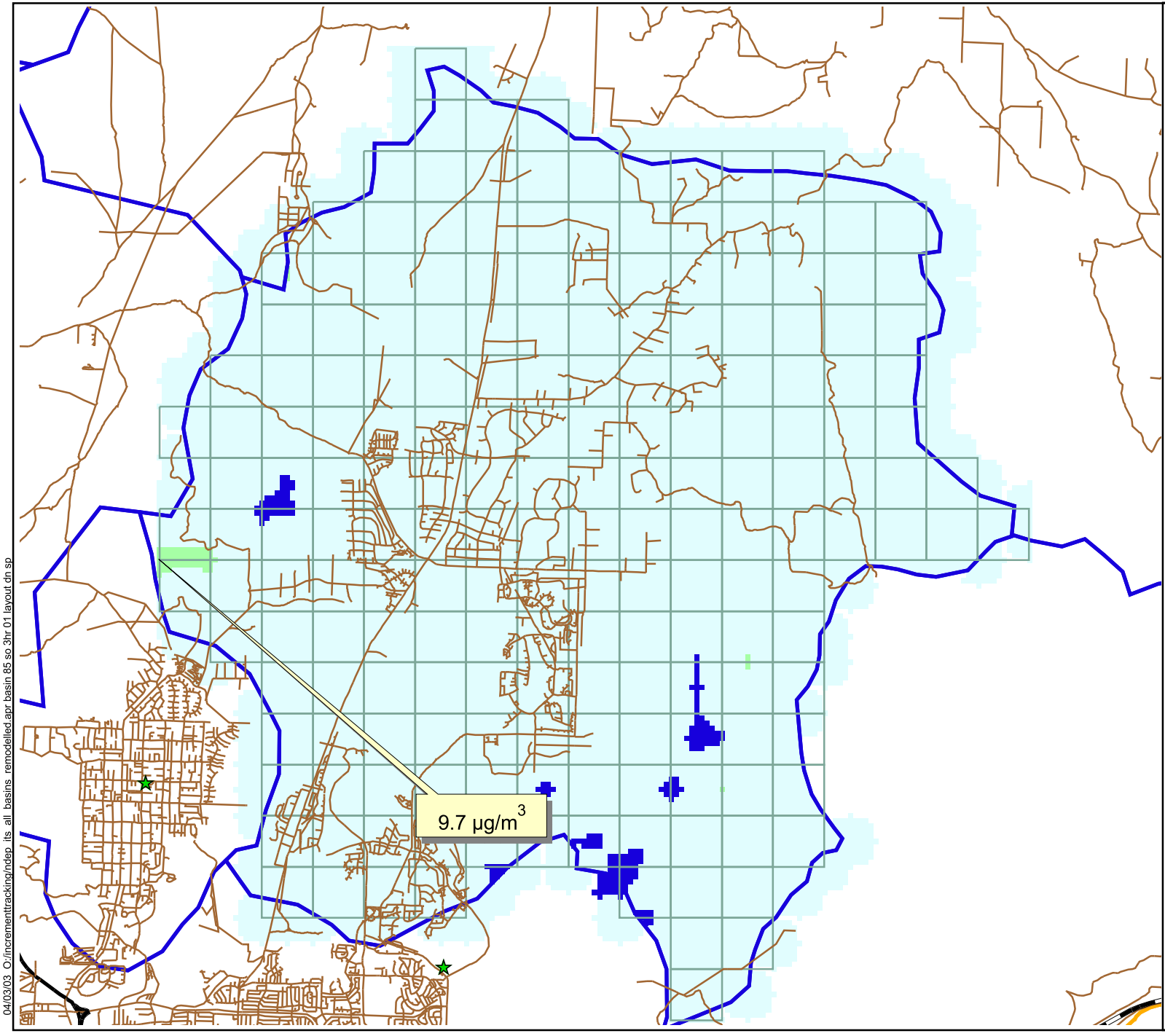
0 1 2 Miles

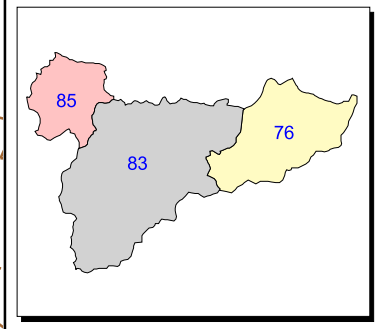
HA 85
High Second High
3-Hour SO_2 Increments
2000 Current/1995 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-11A

Nevada Division of
Environmental Protection
Increment Tracking System

NDEP

04/03/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr basin 85 so 3hr 00 layout dn sp





Location Map

Legend

- -260 - -130 µg/m^3
- -130 - 0 µg/m^3
- 0 - 9.7 µg/m^3
- Populated Place
- Facility

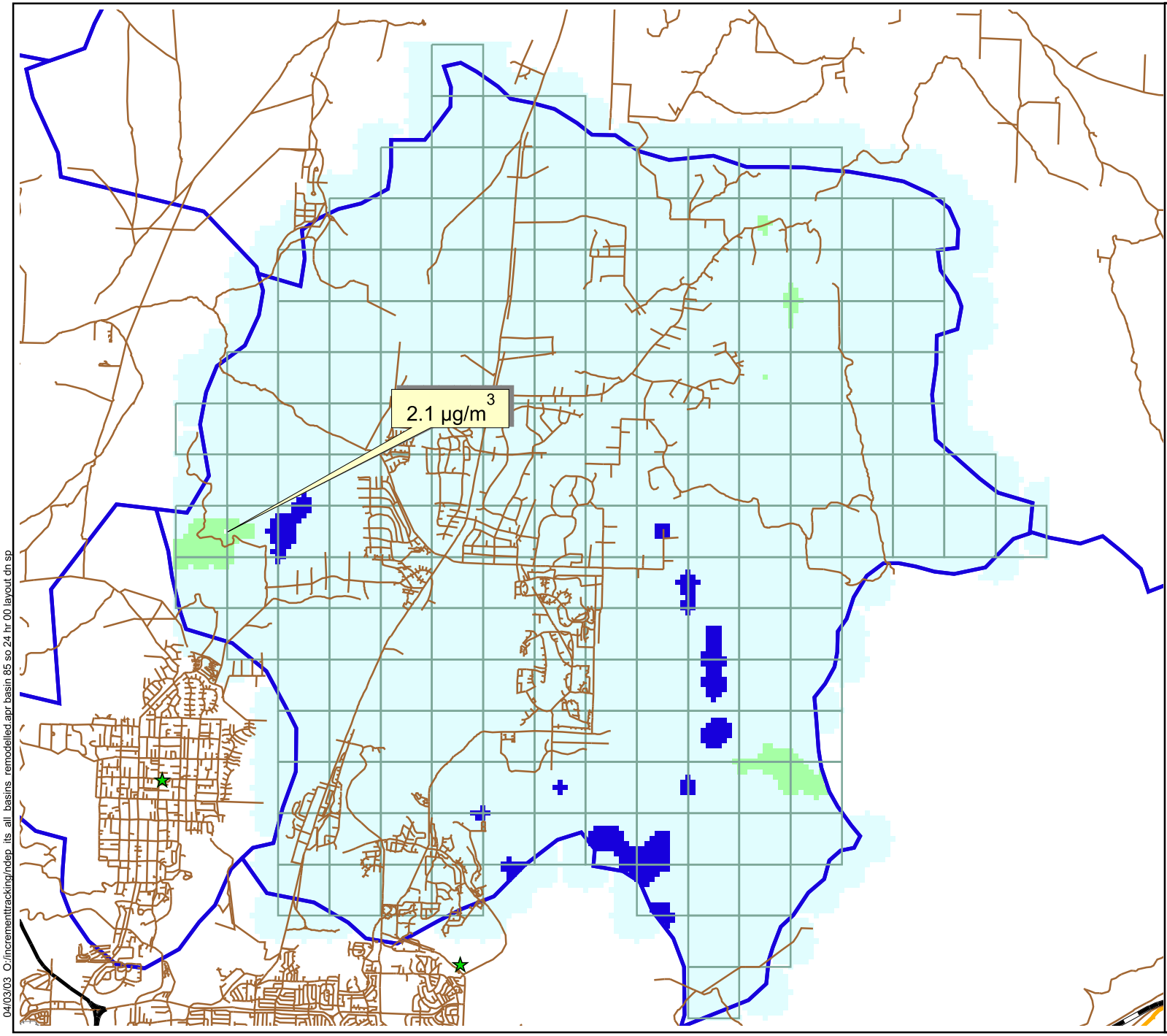
Scale

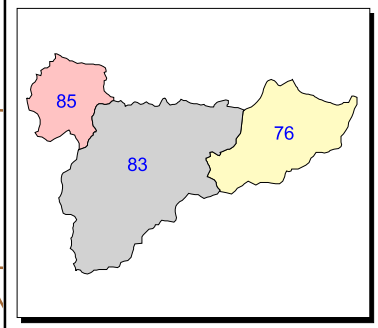
0 1 2 Miles

HA 85
High Second High
3-Hour SO_2 Increments
2001 Current/1995 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-11B

Nevada Division of
Environmental Protection
Increment Tracking System

04/03/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr basin 85 so 3hr 01 layout dn sp





Location Map

Legend

- -34 - -17 µg/m^3
- -17 - 0 µg/m^3
- 0 - 2.1 µg/m^3
- Populated Place
- Facility

Scale

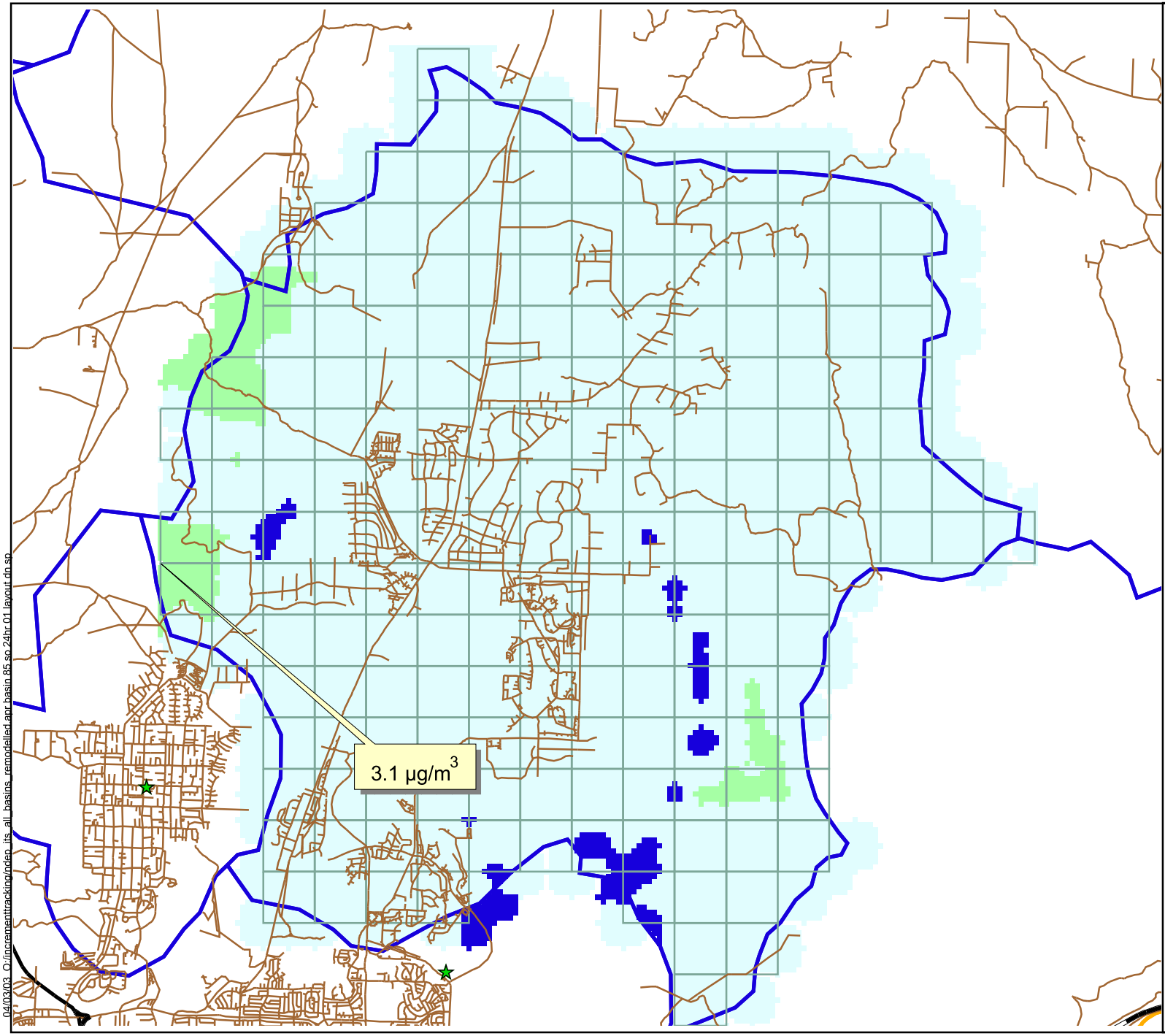
0 1 2 Miles

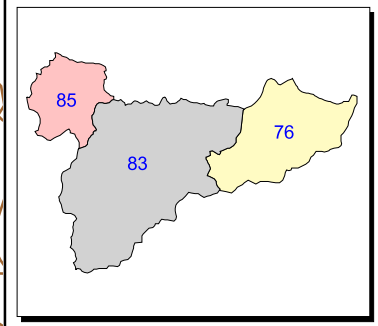
HA 85
High Second High
24-Hour SO_2 Increments
2000 Current/1995 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-12A

Nevada Division of
Environmental Protection
Increment Tracking System

NDEP

04/03/03 O:/incrementtracking/ndep_its_all_basins_remodelled.apr basin 85 so 24 hr 00 layout dn sp





Location Map

Legend

- -32 - -16 µg/m^3
- -16 - 0 µg/m^3
- 0 - 3.1 µg/m^3
- Populated Place
- Facility

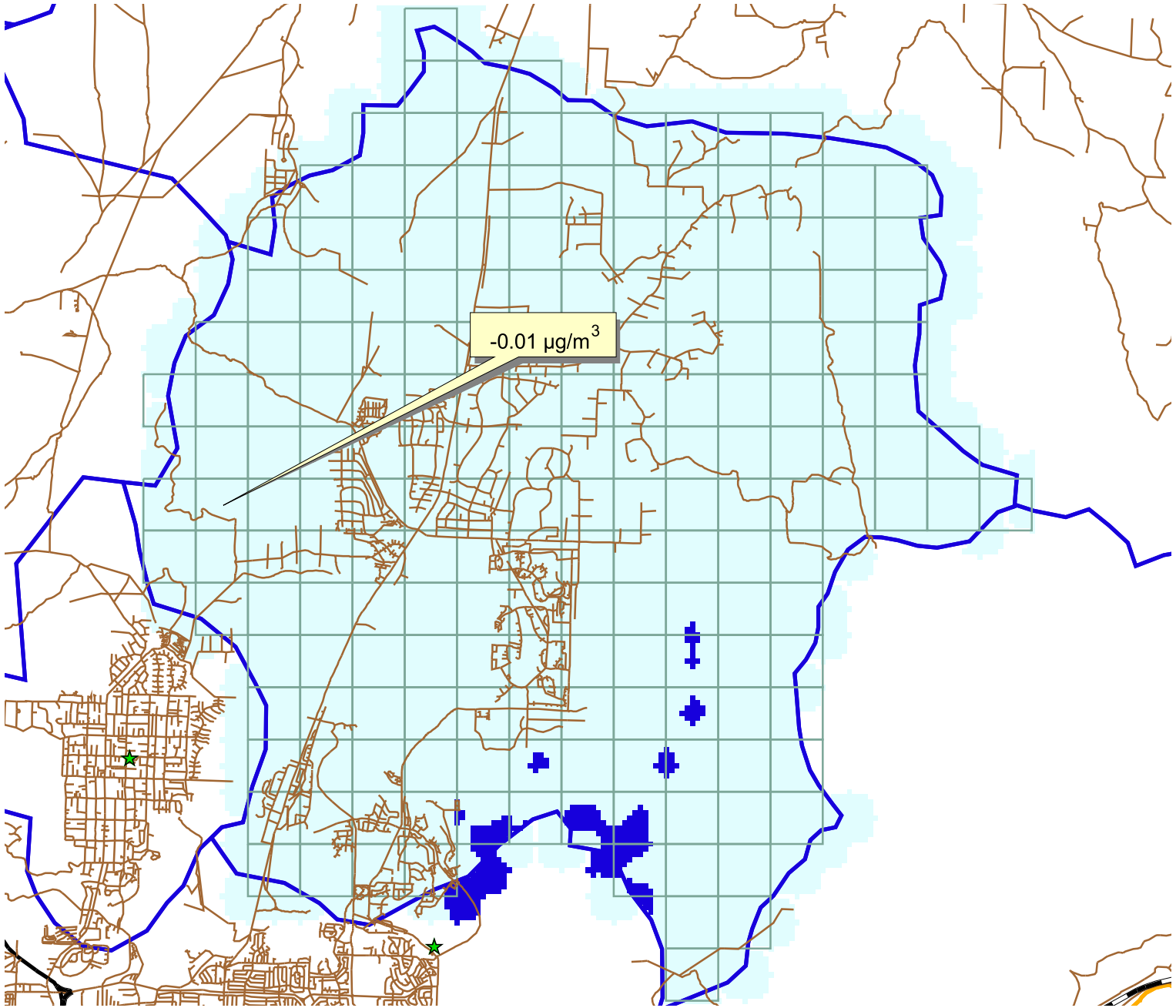
Scale

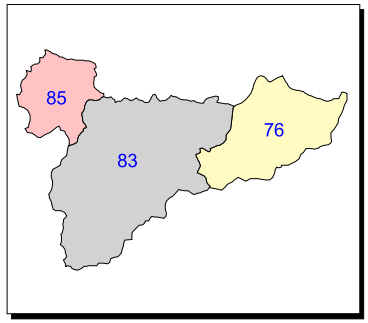
0 1 2 Miles

HA 85
High Second High
24-Hour SO_2 Increments
2001 Current/1995 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-12B

Nevada Division of
Environmental Protection
Increment Tracking System

04/03/03 Q:/incrementtracking/ndep_its_all_basins_remodelled_apr_basin 85 so 24hr 01 layout dn sp





Location Map

Legend

-3.6 - -1.8 µg/m^3

-1.8 - -0.01 µg/m^3

Populated Place

Facility

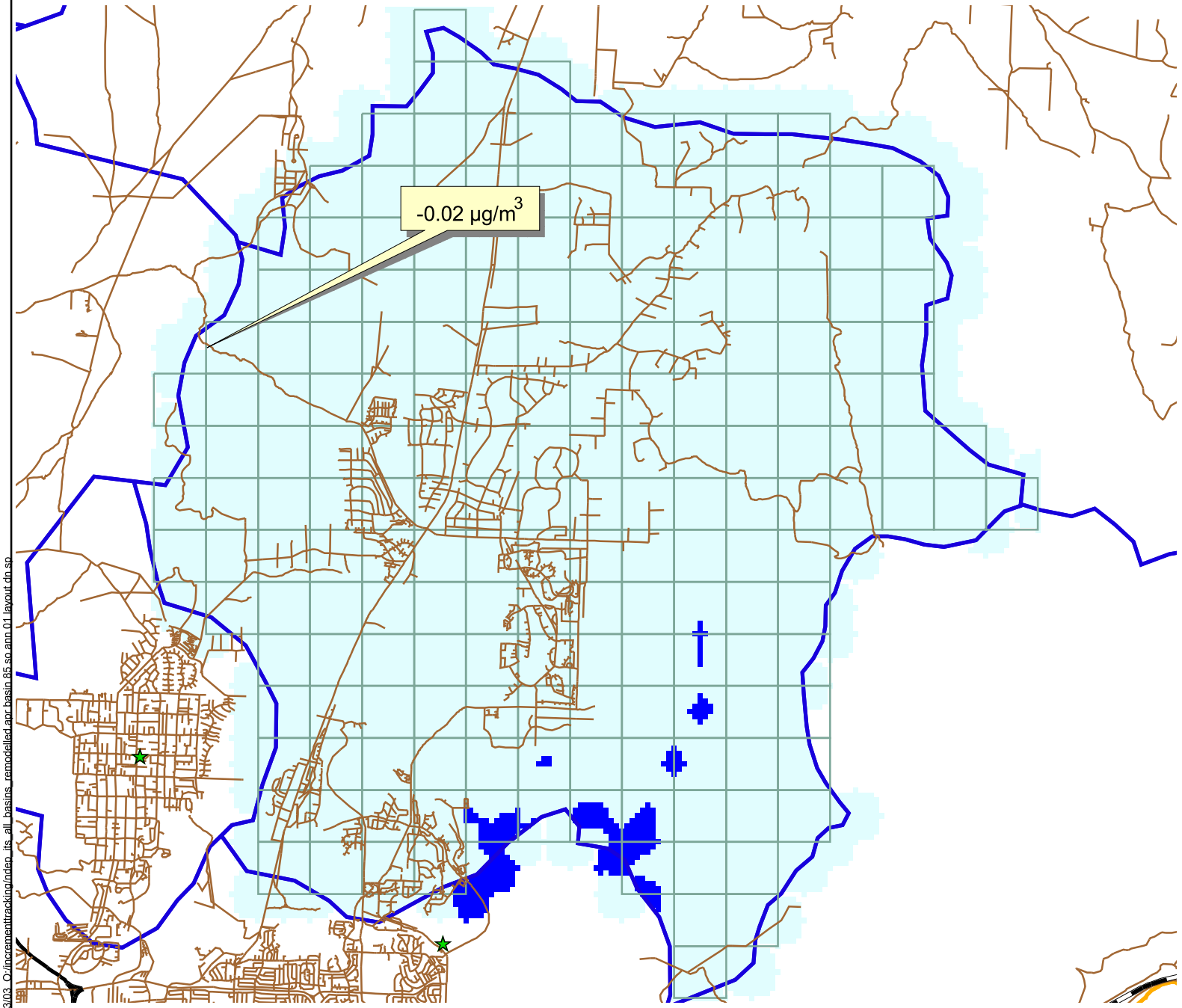
Scale

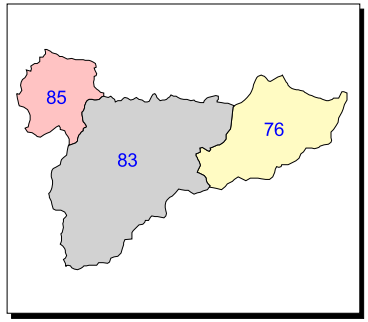
0 1 2 Miles

HA 85
Maximum
Annual SO_2 Increments
2000 Current/1995 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-13A

Nevada Division of
Environmental Protection
Increment Tracking System

04/03/03 Q:/incrementtracking/ndep_its_all_basins_remodelled.apr basin 85 so ann 00 layout dn.sp





Location Map

Legend

-3.7 - 1.8 µg/m^3

-1.8 - -0.02 µg/m^3

Populated Place

Facility

Scale

0 1 2 Miles

HA 85
Maximum
Annual SO_2 Increments
2001 Current/1995 Baseline
Meteorological Data
Unpaired in Time Analysis
Figure 4-13B

Nevada Division of
Environmental Protection
Increment Tracking System

NDEP

04/03/03 O:\increment\tracking\ndep_its_all_basins_remodelled.apr basin 85 so ann 01 layout dn.sp

APPENDIX D
POINT SOURCE DATA LISTING

NDEP PSD Summary Report

Company Name: 21ST CENTURY ENV MGMT INC OF NV

Facility ID AP49530198

FacSeq: 0198

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	1.22	LB/HR
PM	3.64	LB/HR
SO	2.17	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	ELECTROPLATING WASTE WATER TREATMENT PLANT	310730	4386520	1256

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SOLIDS HANDLING AND DRYING SYSTEM	310730	4386520	1256

Cntrol# 0198-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.89	LB/HR	30.00	3.70	102.00	6084.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	EVAPORATOR/CRYSTALIZER AND BOILER	310730	4386520	1256

Cntrol# 0198-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1.22	LB/HR	32.81	3.28	72.32	1664.16
PM	0.12	LB/HR	32.81	3.28	72.32	1664.16
SO	2.17	LB/HR	32.81	3.28	72.32	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	LIME SILO	310730	4386520	1256

Cntrol# 0198-001 **Cntrol Desc:** BAGHOUSE - LOADING

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.62	LB/HR				

Cntrol# 0198-002 **Cntrol Desc:** BAGHOUSE - DISCHARGE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR				

Company Name: A & K EARTH MOVERS INC
CLASS II GENERAL TEMPORARY

Facility ID AP14420035
FacSeq: 0035

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	14.26	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CONE CRUSHER, STANDARD 54" MODEL, S/N123K0879(AOL #1547)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** FOGGING WATER SPRAYS W/SU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.02	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	JAW CRUSHER, 32"X40" MODEL, #1446 (AOL #1547)	350900	4373400	

Cntrol# 0035-002 **Cntrol Desc:** FOGGING WATER SPRAYS W/SU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.02	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	EL JAY CONE CRUSHER S/N 2450284	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** FOGGING WATER SPRAYS W/ SU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.28	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	JAW CRUSHER / 2 DECK SCREEN	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** FOGGING WATER SPRAYS W/ SU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.88	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	SCREENING PLANT S/N 34H0185	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** FOGGING WATER SPRAYS W/ SU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.13	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	SCREENING PLANT S/N 41LB177	350900	4373400	

Cntrol# 0035-006 **Cntrol Desc:** FOGGING WATER SPRAYS W/ SU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.13	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	ASPHALT PLANT (AOL #1565)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** VENTURI WET SCRUBBER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO		LB/HR	30.00	2.46	166.40	12500.00
PM	5.48	LB/HR	30.00	2.46	166.40	12500.00
SO		LB/HR	30.00	2.46	166.40	12500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	CEMENT / LIME SILO (AOL #1565)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER SPRAYS ON SILO DISCH

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	FEEDER (PF1.001)(COLA#1586)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	CONVEYOR (PF1.003)(COLA#1586)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	STACKER (PF1.005)(COLA #1586)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	KOLBERG 271-B PORTABLE SCREEN (PF1.002)(COLA #1586)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	CONVEYOR (PF1.004)(COLA #1586)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	MATERIAL XFER TO BOEING FEEDER #1203 (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	FEEDER #1203 & XFER TO CONVEY(COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	CONVEY & XFER TO CONVEY(COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	CONVEY & XFER TO 2-DECK SCREEN #1224 (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	MATERIAL XFER TO RECYCLE BIN #1208 (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	RECYCLE BIN #1208 & XFER TO CONVEY(COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	CONVEY & XFER TO CONVEY (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	2-D SCREEN #1224 & XFER TO CONVEY OR DISCH STOCKP(COLA #1683	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	CONVEY(>PF1.008) & XFER TO BELT SCALE #1221(COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
023	BELT SCALE #1221 & XFER TO PUGMILL #1225 (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
024	PUGMILL #1225 & XFER TO INTERGRAL CONVEY #1225 (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
025	CONVEY #1225 & XFER TO CONVEY LEADING TO MIXER/ CONVEY TO ST	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
026	CONVEY & XFER TO BOEING DRUM MIXER (S2.002)(COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
027	CONVEY #1417& DISCH TO CALIBRATION STATION (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
028	LOADING OF CEMENT SILO (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
029	CEMENT/LIME SILO WITH AUGER #1219 & XFER TO PUGMILL #1225	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
030	BOEING DRUM MIXER & XFER TO CONVEY #1210 (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WET SCRUBBER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO		LB/HR	32.80	3.28	0.00	
PM		LB/HR	32.80	3.28	0.00	
SO		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
031	SLAT CONVEY #1210 & XFER TO 100 TON SILO SYSTEM (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WET SCRUBBER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
032	SILO SYSTEM #1209 & DISC TO OPEN TRUCKS (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** WET SCRUBBER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
033	GENERATOR (>600HP) USING 14 GAL/HR OF #2 DIESEL (COLA #1683)	350900	4373400	

Cntrol# 0035-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO		LB/HR	32.80	3.28	0.00	
PM		LB/HR	32.80	3.28	0.00	
SO		LB/HR	32.80	3.28	0.00	

Company Name: A & K EARTH MOVERS INC.
RUSSELL PASS PIT/STATIONARY/PORTABLE

Facility ID AP14420797
FacSeq: 0797

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	4.94	LB/HR
PM	13.30	LB/HR
SO	0.32	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CRUSH SYSTEM (PF1.001-1.005)	344000	4346000	

Cntrol# 0797-001 **Cntrol Desc:** WATER FOGGING SPRAYS WITH

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.05	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SCREENING/CRUSHING/CONVEYANCE CIRCUIT	344000	4346000	

Cntrol# 0797-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.54	LB/HR	32.80	3.30	0.00	

Cntrol# 0797-002 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.24	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	CATERPILLAR GENERATOR SET (S2.001)	344000	4346000	

Cntrol# 0797-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	4.94	LB/HR	32.80	3.30	0.00	
PM	0.35	LB/HR	32.80	3.30	0.00	
SO	0.32	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	SCREENING/CRUSHING/CONVEYANCE CIRCUIT (PF1.019-1.028)	344000	4346000	

Cntrol# 0797-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.12	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	SCREENING & CONVEYANCE (COLA #1765)	344000	4346000	

Cntrol# 0797-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	GENERATOR(COLA #1765)	363800	4355190	

Cntrol# 0797-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO		LB/HR	32.80	3.30	0.00	
PM		LB/HR	32.80	3.30	0.00	
SO		LB/HR	32.80	3.30	0.00	

Company Name: ALCOA SIERRA MICROMILLS
TRACY MICROMILL

Facility ID AP33530655
FacSeq: 0655

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	9.92	LB/HR
PM	22.45	LB/HR
SO	0.10	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PREHEAT	282480	4381537	1310

Cntrol# 0655-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.39	LB/HR	78.74	2.49	67.73	40250.00
PM	0.03	LB/HR	78.74	2.49	67.73	40250.00
SO	0.00	LB/HR	78.74	2.49	67.73	40250.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	MELTING FURNACE	282480	4381537	1310

Cntrol# 0655-001 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	4.50	LB/HR	80.48	3.50	1630.00	30833.00
PM	12.29	LB/HR	80.48	3.50	1630.00	30833.00
SO	0.05	LB/HR	80.48	3.50	1630.00	30833.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	20 MMBTU HOLDING FURNACE	282470	4381537	1310

Cntrol# 0655-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.00	LB/HR	80.31	2.50	975.00	17671.50
PM	0.45	LB/HR	80.31	2.50	975.00	17671.50

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	20 MMBTU HOLDING FURNACE	282465	4381537	1310

Cntrol# 0655-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.00	LB/HR	80.31	2.50	816.99	17671.50
PM	0.45	LB/HR	80.31	2.50	816.99	17671.50

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	DROSS ROOM	282427	4381502	1310

Cntrol# 0655-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.74	LB/HR	79.99	3.51	83.00	30017.90

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	FABRICATION LINE	282426	4381518	1310

Cntrol# 0655-001 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.38	LB/HR	120.00	2.66	96.00	24873.90

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	AGING OVEN	282380	4381569	1310

Cntrol# 0655-001 **Cntrol Desc:** INERTIAL SEPARATOR

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.05	LB/HR	42.00	1.31	320.00	2134.30
PM	0.09	LB/HR	42.00	1.31	320.00	2134.30
SO	0.05	LB/HR	42.00	1.31	320.00	2134.30

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	BELT OVEN	282380	4381569	1310

Cntrol# 0655-001 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.98	LB/HR	42.00	1.31	320.00	2127.60
PM	0.02	LB/HR	42.00	1.31	320.00	2127.60
SO	0.00	LB/HR	42.00	1.31	320.00	2127.60

Company Name: ALL LITE AGGREGATE

Facility ID AP14420175

FacSeq: 0175

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
NO	5.30	LB/HR
PM	69.36	LB/HR
SO	0.90	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	6.12	LB/HR
PM	71.62	LB/HR
SO	1.02	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CRUSHING & SCREENING CIRCUIT	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	18.21	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	IMPACT CRUSHER	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.49	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	LAND DISTURBANCE	275000	4372310	1541

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	GRIZZLY	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.13	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.13	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	JAW CRUSHER	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.40	LB/HR	12.99	6.00	0.00	10182.10

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.72	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CONVEYORS #1 AND #2	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	FEEDER	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.70	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.70	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	CONVEYOR #3	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.11	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.11	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	SINGLE DECK SCREEN #7	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	9.00	LB/HR	25.98	6.00	0.00	10182.10
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.34	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	CONVEYOR #7	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.06	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	SBM CRUSHER AND CONVEY #5 & SCREEN #2 & #9	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.40	LB/HR	20.01	6.00	0.00	10182.10
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.23	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	TRIPLE DECK SCREEN #2 & #9 & XFER TO CONVEY3	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.99	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	4.99	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	CONVEYOR #6	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	CONVEYOR #14	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	CONVEYOR #8	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.41	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.41	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	CONVEYOR #9	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	SILO DISCHARGE AND CONVEYOR	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.98	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.98	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	BARMAC CRUSHER	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	1.00	LB/HR	22.01	6.00	0.00	10182.10
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.13	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	CONVEYOR #11, #50	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.98	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.98	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	TRIPLE DECK SCREEN #3 & DISCH.TO CONVEY #50, 3-D SCREEN #9	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.36	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	2.36	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	CONVEYOR #12	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.04	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	CONVEYORS AND WASHER	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.28	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
023	CONVEYORS #16 AND #17	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.06	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
024	WASHER AND RADIAL STACKER	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WET PROCESS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.00	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
025	CONVEYOR #18	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.01	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.01	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
026	CONVEYOR #12, #19	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.34	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.34	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
027	SAND BIN AND SAND BIN BELT	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.25	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.25	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
028	CONVEYOR #20 XFER TO VIBRATORY FEEDER #1, #2	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.63	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.63	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
029	DOUBLE DECK SCREEN #4, #6	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.60	LB/HR	21.00	6.00	0.00	10182.10

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.34	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
030	CONVEYORS #39, #40, #42 AND #46	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
031	CONVEYOR #24	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
032	CONVEYORS #25	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.04	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
033	CONVEYOR #27	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
034	CONVEYOR #28	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
035	CONVEYORS #30	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.05	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
036	CONVEYOR #31	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.42	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.42	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
037	CONVEYOR XFER TO BASE BIN #1 OR #2	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.41	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.41	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
038	CONVEYORS #36, #37	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.28	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
039	CONVEYORS #38	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
040	CONVEYOR #41, #43	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.34	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.34	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
041	CONVEYOR #42	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
042	DOUBLE DECK SCREEN #1	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.00	LB/HR	32.81	3.28	0.00	1664.16

Cntrol# 0175-042 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	9.00	LB/HR	33.99	6.00	0.00	10182.10

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
043	ASPHALT PLANT	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** BAGHOUSE

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	5.30	LB/HR	22.01	5.31	300.20	7075.24
PM	7.50	LB/HR	22.01	5.31	300.20	7075.24
SO	0.90	LB/HR	22.01	5.31	300.20	7075.24
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	6.12	LB/HR	22.01	5.31	300.20	7075.24
PM	8.71	LB/HR	22.01	5.31	300.20	7075.24
SO	1.02	LB/HR	22.01	5.31	300.20	7075.24

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
044	CONVEYOR #29 XFER TO CONVEY0R #30	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.05	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.05	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
045	CONVEYOR #4 XFER TO SBM CRUSHER	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.42	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.42	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
046	WASHER AND CONVEYOR #15	275000	4372331	1541

Cntrol# 0175-001 **Cntrol Desc:** WET PROCESSING

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.01	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
047	BIN DISCHARGE/ FEEDER #2 XFER TO CONVEY #10	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
048	CONVEY #10 XFER TO REMCO VERTICAL IMPACT CRUSHER	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.49	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.49	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
049	CONVEY #13 XFER TO STOCKPILE	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
050	CONVEY #44 XFER TO CONVEY #16	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
051	CONVEY #26 XFER/BIN LOADING TO SURGE BIN	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.41	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.41	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
052	SURGE BIN AND DISCHARGE TO TRUCKS	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	1.90	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	1.90	LB/HR	32.81	3.28	0.00	1664.16

System#	**SystemDesc**	**UTME (m)**	**UTMN (m)**	**Elevation (m)**
053	CONVEYOR #21 XFER TO CONVEYOR #22	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16

System#	**SystemDesc**	**UTME (m)**	**UTMN (m)**	**Elevation (m)**
054	CONVEYOR #22 XFER TO SAND SCREW #1	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16

System#	**SystemDesc**	**UTME (m)**	**UTMN (m)**	**Elevation (m)**
055	SAND SCREW #1 AND CONVEYOR #23	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WET PROCESSING

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.00	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
056	DOUBLE DECK SCREEN #5 AND XFER TO CONVEY #32, #33	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.75	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	6.75	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
057	CONVEY #33	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
058	BASE BIN #!, #2 DISCH TO TRUCKS	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.90	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	1.90	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
059	CONVEY #34 XFER TO SAND SCREW #2 OR CONVEY #36	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.14	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
060	SAND SCREW #2 AND CONVEYOR #35	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WET PROCESSING

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.00	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
061	PUG BIN LOADING AND DISCHARGE	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	5.83	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	5.83	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
062	PUG MILL	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.94	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.94	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
063	CONVEYOR #45	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.35	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.35	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
064	SANDMAX CRUSHER & DISCH. TO CONVEY #20	275000	4372310	1541

Cntrol# 0175-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.12	LB/HR	32.81	3.28	0.00	1664.16
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.12	LB/HR	32.81	3.28	0.00	1664.16

Company Name: ALL LITE ASPHALT

Facility ID AP16110183

FacSeq: 0183

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Pollutant by system

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
NO	3.92	LB/HR
PM	43.67	LB/HR
SO	0.90	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	7.34	LB/HR
PM	28.85	LB/HR
SO	1.02	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	ASPHALT PLANT CUR	275135	4372901	1453

Cntrol# 0183-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	7.34	LB/HR	42.00	5.00	425.00	74968.20
PM	28.80	LB/HR	42.00	5.00	425.00	74968.20
SO	1.02	LB/HR	42.00	5.00	425.00	74968.20

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	LIME SILO LOADING CUR	275124	4372901	1453

Cntrol# 0183-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	19.69	0.49	73.13	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	ROM TO HOPPER CUR	275000	4372310	1541

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	HOPPER TO CONVEYOR #1 CUR	275000	4372310	1541

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	CONVEYOR #1 CUR	275000	4372310	1541

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
201	ASPHALT PLANT BAS	275053	4373107	1454

Cntrol# 0183-001 **Cntrol Desc:** BAGHOUSE

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	3.92	LB/HR	10.00	7.32	214.10	
PM	43.57	LB/HR	10.00	7.32	214.10	
SO	0.90	LB/HR	10.00	7.32	214.10	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
202	LIME SILO LOADING BAS	275018	4373089	1454

Cntrol# 0183-001 **Cntrol Desc:** BAGHOUSE

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.10	LB/HR	25.00	2.00	-459.67	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
203	ROM TO HOPPER BAS	275000	4372310	1541

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
204	HOPPER TO CONVEYOR #1 BAS	275000	4372310	1541

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
205	CONVEYOR #1 XFER TO CONVEYOR #2 BAS	275000	4372310	1541

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
206	CONVEYOR #2 XFER TO CONVEYOR #3 BAS	275000	4372310	1541

Company Name: AMERICAN READY MIX
MOUNDHOUSE

Facility ID AP32730960
FacSeq: 0960

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.92	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PORTABLE CONCRETE BATCH PLANT	268730	4343780	

Cntrol# 0960-001 **Cntrol Desc:** WATER SPRAYS TO MAINTAIN M

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.10	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	STORAGE SILOS: LOADING	268732	4343781	

Cntrol# 0960-002 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.22	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	STORAGE SILOS: DISCHARGE	268732	4343781	

Cntrol# 0960-003 **Cntrol Desc:** ENCLOSURE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.60	LB/HR	32.80	3.30	0.00	

Company Name: AMERICAN READY MIX INC
MOUNDHOUSE

Facility ID AP14420238
FacSeq: 0238

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	1.06	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	RADIAL STACKER	269000	4344000	

Cntrol# 0238-001 **Cntrol Desc:** MOISTURE CONTENT

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.50	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CEMENT SILO	269000	4344000	

Cntrol# 0238-001 **Cntrol Desc:** BAGHOUSE (LOADING)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	32.80	3.30	0.00	

Cntrol# 0238-002 **Cntrol Desc:** ENCLOSURE (DISCHARGE)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.48	LB/HR	32.80	3.30	0.00	

Company Name: AMERICAN READY MIX INC
FERNLEY FACILITY

Facility ID AP32730700
FacSeq: 0700

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	1.82	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	RADIAL STACKER	317900	4381600	

Cntrol# 0700-001 **Cntrol Desc:** SAND & GRAVEL MOISTURE CO

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.56	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CEMENT SILOS (LOADING AND DISCHARGE)	317900	4381600	

Cntrol# 0700-001 **Cntrol Desc:** DUST COLLECTOR (LOADING)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	32.80	3.30	0.00	

Cntrol# 0700-002 **Cntrol Desc:** BAGHOUSE (DISCHARGE)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	72.32	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	RADIAL STACKER XFER & LOADING OF ELEVATED BIN (PF1.002)	317900	4381600	

Cntrol# 0700-001 **Cntrol Desc:** SAND & GRAVEL MOISTURE CO

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.45	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CEMENT SILOS(LOADING & DISCHARGE)(S2.003,PF1.003)	317900	4381600	

Cntrol# 0700-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

Cntrol# 0700-002 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.70	LB/HR	32.80	3.30	0.00	

Company Name: AMOR IV CORP & STILLWATER GEOTHERMAL
STILLWATER GEOTHERMAL

Facility ID AP49110197
FacSeq: 0197

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	29.85	LB/HR
PM	0.20	LB/HR
SO	0.61	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	GEOTHERMAL POWER PLANT(PF1.001-1.007 & PF1.008-1.014)	366200	4378230	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SURFACE AREA DISTURBANCE	366330	4378570	

Cntrol# 0197-001 **Cntrol Desc:** CHEMICAL STABILIZATION, WA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	EMERGENCY GENERATOR (S2.001)	366200	4378230	

Cntrol# 0197-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	29.85	LB/HR	18.00	0.83	880.00	9600.00
PM	0.20	LB/HR	18.00	0.83	880.00	9600.00
SO	0.61	LB/HR	18.00	0.83	880.00	9600.00

Company Name: ART WILSON COMPANY
APPIAN SIDING TRANSLOADING

Facility ID AP14990210.01
FacSeq: 0210

Associated Basin

Basin	Inside	Within 50 Km
102	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.07	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	GYPSUM TRANSLOADING FACILITY	309170	4362340	

Cntrol# 0210-001 **Cntrol Desc:** PREWETTING MATERIAL IN TRU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	GYPSUM TRANSLOADING FACILITY	308170	4362340	

Cntrol# 0210-001 **Cntrol Desc:** PREWETTING MATERIAL IN TRU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

Company Name: BARRICK GOLDSTRIKE MINES
GOLDSTRIKE MINE

Facility ID 2
FacSeq: 2

Associated Basin

Basin	Inside	Within 50 Km
61	☑	☐
64	☐	☑

Facility Pollutant Total

2001	Sum Of Hr Emiss Lmt	Unit
PM	90.80	LB/HR
SO	58.47	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	Mill crushing system	554900	4536300	1702

Cntrol# 0216-001 **Cntrol Desc:** Mill crushing system

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	5.06	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	Mill Conveyor #304	554800	4536100	1702

Cntrol# 0216-001 **Cntrol Desc:** Mill Conveyor #304

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.10	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	Dump pocket, Gyratory, Conveyor #101	554900	4536200	1702

Cntrol# 0216-001 **Cntrol Desc:** Dump pocket, Gyratory, Conveyor #1

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.44	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	Shorthead cone crusher, Conveyor #301	554600	4536100	1702

Cntrol# 0216-001 **Cntrol Desc:** Shorthead cone crusher, Conveyor #30

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.22	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	Mill carbon react. kiln	554600	4536200	1702

Cntrol# 0216-001 **Cntrol Desc:** Mill carbon react. Kiln

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.78	LB/HR	60.00	0.63	460.00	645.27
SO	0.00	LB/HR	60.00	0.63	460.00	645.27

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	Mill exp. carbon react. kiln	554600	4536200	1702

Cntrol# 0216-001 **Cntrol Desc:** Mill exp. carbon react. Kiln

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.03	LB/HR	64.00	1.33	364.00	4251.23
SO	0.00	LB/HR	64.00	1.33	364.00	4251.23

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	West furnace	554500	4536200	1702

Cntrol# 0216-001 **Cntrol Desc:** West furnace

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.40	LB/HR	68.00	1.00	118.00	1932.08

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	East furnace	554500	4536200	1702

Cntrol# 0216-001 **Cntrol Desc:** East furnace

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.40	LB/HR	68.00	1.00	118.00	1932.08

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	Autoclave #1	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave #1

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.65	LB/HR	100.00	3.70	195.00	11418.73
SO	0.29	LB/HR	100.00	3.70	195.00	11418.73

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	Autoclave #2 and 3	554700	4536100	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave #2 and 3

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.48	LB/HR	100.00	6.20	195.00	71370.83
SO	0.90	LB/HR	100.00	6.20	195.00	71370.83

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	Autoclave #4	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave #4

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.24	LB/HR	100.00	4.20	196.00	46384.61
SO	0.45	LB/HR	100.00	4.20	196.00	46384.61

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	Autoclave #5 and 6	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave #5 and 6

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.48	LB/HR	100.00	6.20	196.00	71370.83
SO	0.90	LB/HR	100.00	6.20	196.00	71370.83

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	Propane vaporizers	554900	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Propane vaporizers

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	6.50	0.81	350.00	951.96
SO	0.00	LB/HR	6.50	0.81	350.00	951.96

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	Autoclave lime silo #1 (load)	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #1 (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.16	LB/HR	53.00	0.50	68.00	650.31

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	Autoclave lime silo #1 (discharge)	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #1 (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	Autoclave lime silo #2 (load)	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #2 (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	65.00	0.50	68.00	1201.66

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	Autoclave lime silo #2 (discharge)	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #2 (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	Autoclave lime silo #3 (load)	554800	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #3 (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	65.00	0.50	68.00	1201.66

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	Autoclave lime silo #3 (discharge)	554800	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #3 (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	Autoclave lime silo #4 (load)	554800	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #4 (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	106.50	0.63	68.00	1591.67

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	Autoclave lime silo #4 (discharge)	554800	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #4 (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
024	Analytical lab. (sample prep.)	554400	4535900	1692

Cntrol# 0216-001 **Cntrol Desc:** Analytical lab. (sample prep.)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	39.00	4.00	68.00	46973.09

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
025	Analytical lab. (fire assay)	554400	4535900	1692

Cntrol# 0216-001 **Cntrol Desc:** Analytical lab. (fire assay)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.11	LB/HR	39.00	4.47	68.00	40021.53

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
026	Metallurgical lab. (sample prep.)	554300	4536000	1692

Cntrol# 0216-001 **Cntrol Desc:** Metallurgical lab. (sample prep.)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	13.00	2.00	68.00	7143.98

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
027	Metallurgical lab. (fire assay)	554300	4536000	1692

Cntrol# 0216-001 **Cntrol Desc:** Metallurgical lab. (fire assay)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	23.00	2.31	100.00	7191.69

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
029	Phase 1 leach pond lime silo (load)	555100	4536000	1714

Cntrol# 0216-001 **Cntrol Desc:** Phase 1 leach pond lime silo (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.16	LB/HR	40.00	3.28	68.00	205.27

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
030	Phase 1 leach pond lime silo (discharge)	555100	4536000	1714

Cntrol# 0216-001 **Cntrol Desc:** Phase 1 leach pond lime silo (discharg

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
031	Mill 1 lime silo (load)	554600	4536200	1702

Cntrol# 0216-001 **Cntrol Desc:** Mill 1 lime silo (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.18	LB/HR	51.00	3.28	68.00	205.27

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
032	Mill 1 lime silo (discharge)	554600	4536200	1702

Cntrol# 0216-002 **Cntrol Desc:** Mill 1 lime silo (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
033	Mill 2 lime silo (load)	554600	4536100	1702

Cntrol# 0216-001 **Cntrol Desc:** Mill 2 lime silo (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.18	LB/HR	51.00	3.28	68.00	205.27

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
034	Mill 2 lime silo (discharge)	554600	4536100	1702

Cntrol# 0216-001 **Cntrol Desc:** Mill 2 lime silo (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
035	Boiler #1	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Boiler #1

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.25	LB/HR	49.00	3.50	387.00	20781.64
SO	0.01	LB/HR	49.00	3.50	387.00	20781.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
036	Boilers #2 and 3	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Boilers #2 and 3

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.14	LB/HR	49.00	4.00	370.00	51270.79
SO	0.05	LB/HR	49.00	4.00	370.00	51270.79

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
037	Boiler #4	554800	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Boiler #4

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.38	LB/HR	60.00	6.95	420.00	109257.68
SO	0.05	LB/HR	60.00	6.95	420.00	109257.68

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
038	Autoclave lime silo #5 (load)	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #5 (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.16	LB/HR	44.00	0.83	68.00	1201.15

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
039	Autoclave lime silo #5 (discharge)	554700	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Autoclave lime silo #5 (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
040	Boulder Valley lime silo (load)	547100	4533300	1554

Cntrol# 0216-001 **Cntrol Desc:** Boulder Valley lime silo (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.16	LB/HR	95.00	0.63	68.00	609.73

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
041	Boulder Valley lime silo (discharge)	547100	4533300	1554

Cntrol# 0216-001 **Cntrol Desc:** Boulder Valley lime silo (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.24	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
042	Boulder Valley MgO silo (load)	547100	4533300	1554

Cntrol# 0216-001 **Cntrol Desc:** Boulder Valley MgO silo (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.16	LB/HR	83.00	0.63	68.00	609.73

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
043	Boulder Valley MgO silo (discharge)	547100	4533300	1554

Cntrol# 0216-001 **Cntrol Desc:** Boulder Valley MgO silo (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
044	Production shaft sinking	551800	4539300	1684

Cntrol# 0216-001 **Cntrol Desc:** Production shaft sinking

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.69	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
045	Backfill Plant Sources	552000	4539200	1684

Cntrol# 0216-001 **Cntrol Desc:** Backfill Plant Sources

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	7.17	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
046	Backfill plant cement silos (load)	552000	4539200	1684

Cntrol# 0216-001 **Cntrol Desc:** Backfill plant cement silos (load)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.22	LB/HR	56.00	0.92	68.00	2074.05

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
047	Backfill plant cement silos (discharge)	552000	4539200	1684

Cntrol# 0216-001 **Cntrol Desc:** Backfill plant cement silos (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
048	heap leaching lime silo (load & discharge)	552600	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** heap leaching lime silo (load & discha

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.40	LB/HR	56.00	0.92	68.00	2074.05

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
049	Mine air heaters	551900	4539300	1684

Cntrol# 0216-001 **Cntrol Desc:** Mine air heaters

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.37	LB/HR	32.80	3.28	68.00	16.64
SO	0.01	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
050	Rodeo Shaft headframe bucket	552100	4538100	1634

Cntrol# 0216-001 **Cntrol Desc:** Rodeo Shaft headframe bucket

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
051	Rodeo Shaft headframe chute	552100	4538100	1634

Cntrol# 0216-001 **Cntrol Desc:** Rodeo Shaft headframe chute

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.18	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
052	Reactivation heater & O2 vaporizer	554600	4536000	1702

Cntrol# 0216-001 **Cntrol Desc:** Reactivation heater & O2 vaporizer

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.25	LB/HR	15.00	2.00	250.00	4146.90

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
053	Crushing and screening plant	552000	4539500	1684

Cntrol# 0216-001 **Cntrol Desc:** Crushing and screening plant

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
054	Concrete batch plant	552000	4539500	1684

Cntrol# 0216-001 **Cntrol Desc:** Concrete batch plant

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
055	primary crushing	552600	4538600	1652

Cntrol# 0216-001 **Cntrol Desc:** primary crushing

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.59	LB/HR	85.00	3.80	68.00	46271.89

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
056	secondary crushing	552500	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** secondary crushing

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.29	LB/HR	85.00	2.70	68.00	23016.72

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
057	coarse ore & aggregate belt conveyor	552400	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** coarse ore & aggregate belt conveyor

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
058	coarse ore stockpile apron feeders	552300	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** coarse ore stockpile apron feeders

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.29	LB/HR	32.80	3.28	0.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
059	emergency dump hoppers	552400	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** emergency dump hoppers

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.77	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
062	Mill No. 1 dry grinding process	552200	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** Mill No. 1 dry grinding process

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	12.60	LB/HR	230.00	9.00	200.00	280017.69
SO	4.28	LB/HR	230.00	9.00	200.00	280017.69

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
063	Mill No. 2 dry grinding process	552200	4538400	1652

Cntrol# 0216-001 **Cntrol Desc:** Mill No. 2 dry grinding process

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	12.60	LB/HR	230.00	9.00	200.00	280017.69
SO	4.28	LB/HR	230.00	9.00	200.00	280017.69

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
064	Roaster Nos. 1 & 2 pick-up point baghouses	552200	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** Roaster Nos. 1 & 2 pick-up point bagh

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.01	LB/HR	70.00	2.30	68.00	18000.90

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
065	ore roasting (2 roasters, common stack)	552100	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** ore roasting (2 roasters, common stack

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.00	LB/HR	260.00	5.00	300.00	49150.22
SO	44.90	LB/HR	260.00	5.00	300.00	49150.22

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
066	roaster quench tanks	552100	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** roaster quench tanks

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.74	LB/HR	40.00	2.50	68.00	9748.75

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
067	coal silo (loading)	552200	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** coal silo (loading)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	60.00	1.00	68.00	1220.04

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
068	coal silo (discharge)	552200	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** coal silo (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
069	propane vaporizers	552100	4538400	1646

Cntrol# 0216-001 **Cntrol Desc:** propane vaporizers

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	6.50	0.81	350.00	951.96
SO	0.01	LB/HR	6.50	0.81	350.00	951.96

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
070	lime silo (loading)	552100	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** lime silo (loading)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	98.00	1.00	68.00	1220.04

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
071	lime silo (discharge)	552100	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** lime silo (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
072	lime silo (screw conveyor transfer)	552100	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** lime silo (screw conveyor transfer)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
073	Mill lime silo (loading)	552300	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** Mill lime silo (loading)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
074	Mill lime silo (discharges)	552300	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** Mill lime silo (discharges)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
075	Mill lime silo (screw conveyors transfer)	552300	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** Mill lime silo (screw conveyors transf

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.20	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
076	soda ash silo (loading)	552100	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** soda ash silo (loading)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	98.00	1.00	68.00	1220.04

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
077	soda ash silo (discharge)	552100	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** soda ash silo (discharge)

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
078	soda ash silo (screw conveyor transfer)	552100	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** soda ash silo (screw conveyor transfer

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	32.80	3.28	68.00	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
079	oxygen plant - reactivation heaters	552100	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** oxygen plant - reactivation heaters

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	15.00	2.00	250.00	4099.78
SO	0.02	LB/HR	15.00	2.00	250.00	4099.78

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
080	oxygen plant - liquid oxygen vaporizer	552100	4538500	1646

Cntrol# 0216-001 **Cntrol Desc:** oxygen plant - liquid oxygen vaporizer

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.18	LB/HR	15.00	2.00	250.00	11807.36
SO	0.03	LB/HR	15.00	2.00	250.00	11807.36

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
081	emergency generators	552200	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** emergency generators

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.60	LB/HR	15.00	1.17	765.00	10120.00
SO	2.28	LB/HR	15.00	1.17	765.00	10120.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
082	vacuum housekeeping system	552200	4538500	1652

Cntrol# 0216-001 **Cntrol Desc:** vacuum housekeeping system

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.51	LB/HR	32.80	3.28	0.00	16.64

Company Name: BASALITE
BLOCK PLANT

Facility ID AP32710217
FacSeq: 0217

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	0.92	LB/HR
PM	0.36	LB/HR
SO	0.01	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	SAND & AGGREGATE HOPPER #1-#4/LOADING	262900	4342150	

Cntrol# 0217-001 **Cntrol Desc:** ENCLOSED SAND/ AGGREGATE L

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	33.00	3.30	68.00	253.00
SO	0.00	LB/HR	33.00	3.30	68.00	253.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SAND & AGGREGATE HOPPER#1-#4/DISCH #1-#4/DISCHARGE	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** ENCLOSED SAND/ AGGREGATE L

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	7.00	0.50	68.00	500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	CEMENT SILO #1-2	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	33.00	3.30	225.00	500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CEMENT SILO #1-2	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	33.00	3.30	225.00	500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	STEAM CURING KILN-STACK DISCHARGE	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.42	LB/HR	33.00	3.30	68.00	253.00
PM	0.05	LB/HR	33.00	3.30	68.00	253.00
SO	0.00	LB/HR	33.00	3.30	68.00	253.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CUTTING SAW	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	SAND & AGGREGATE HOPPER #5-6 /LOADING	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** ENCLOSED SAND/AGGREGATE L

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	SAND & AGGREGATE HOPPER #5-6/DISCH /DISCHARGE	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** ENCLOSED SAND/AGGREGATE L

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	SACK PLANT ROTARY DRYER CIRCUIT	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.50	LB/HR	32.80	3.30	0.00	
PM	0.11	LB/HR	32.80	3.30	0.00	
SO	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	CEMENT SILO #3-#4 /LOADING	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	CEMENT SILO #3-#4 /DISCHARGE	262950	4342150	

Cntrol# 0217-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	SURFACE AREA DISTURBANCE	262900	4342150	

Company Name: BASALITE
DAYTON/STATIONARY SOURCE/PORTABLE

Facility ID AP14420218
FacSeq: 0218

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	4.55	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	JAW CRUSHER	282760	4357400	

Cntrol# 0218-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CONVEYOR	282760	4357400	

Cntrol# 0218-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	STACKER SCREEN	282760	4357400	

Cntrol# 0218-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.60	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	SCREEN	282760	4357400	

Cntrol# 0218-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	HOPPER & CONVEYORS	282760	4357400	

Cntrol# 0218-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.15	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	IMPACT CRUSHER	282760	4357400	

Cntrol# 0218-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.71	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	3 DECK SECONDARY SCREEN	282760	4357400	

Cntrol# 0218-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.50	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	GRIZZLY	282760	4357400	

Cntrol# 0218-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	HOPPERS & CONVEYORS	282760	4357400	

Cntrol# 0218-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	SURFACE AREA DISTURBANCE	282760	4357400	

Company Name: BASALITE DAYTON
DAYTON/STATIONARY SOURCE /PORTABLE

Facility ID AP14421015
FacSeq: 1015

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	1.53	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	MATERIAL XSFER TO FEED HOPPER-TO APRON FEEDER-TO CONVEYER	282760	4357400	

Cntrol# 1015-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CONVEYOR #1 TRANSFER TO GRIZZLY TO CONVEYOR #3	282760	4357400	

Cntrol# 1015-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	JAW CRUSHER TRANSFER TO CONVEYOR #3 TO CONVEYOR #5	282760	4357400	

Cntrol# 1015-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CONVEYOR#3 ANDA #5 TRANSFER TO CONVEYOR #4	282760	4357400	

Cntrol# 1015-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.23	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	CONVEYOR #4 TO STACKER SCREEN TO IMPACT CRUSHER OR CONVEY	282760	4357400	

Cntrol# 1015-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.75	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	STACKER SCREEN TRANSFER TO IMPACT CRUSHER	282760	4357400	

Cntrol# 1015-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	MATERIAL TRANSFER BY FRONT END LOADER TO HOPPER	282760	4357400	

Cntrol# 1015-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	MATERIAL TRANSFER BY FRONT END LOADER TO HOPPER	282760	4357400	

Cntrol# 1015-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	32.80	3.30	0.00	

Company Name: BATTLE MOUNTAIN GOLD CO.
COPPER CANYON PROJECT

Facility ID 4
FacSeq: 4

Associated Basin

Basin	Inside	Within 50 Km
64	☑	☐

Pollutant by system

Facility Pollutant Total

1977	Sum Of Hr Emiss Lmt	Unit
PM	118.60	LB/HR

2001	Sum Of Hr Emiss Lmt	Unit
PM	18.22	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	Primary crushing system	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Primary Crusher

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	20.00	LB/HR	32.81	3.28	-459.65	16.64

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.87	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	Secondary Crushing System	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Secondary Crushing System

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	18.80	LB/HR	32.81	3.28	-459.65	16.64

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.00	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	Tertiary crushing system	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Two unit tertiary crushing system

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	59.90	LB/HR	32.81	3.28	-459.65	16.64
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	2.00	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	Electrowinning System	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Electrowinning System

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.25	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	Rotary Kiln	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Rotary Kiln

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	50.00	1.33	140.02	3500.00
SO		LB/HR	50.00	1.33	140.02	3500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	Fine ore bin and mill feed	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Fine ore bin and mill feed

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	19.90	LB/HR	32.81	3.28	-459.65	16.64
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.75	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	Cement bin w/ conveyor	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Cement bin w/ conveyor

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	Natural Gas-fired boiler	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Natural Gas-fired boiler

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.10	LB/HR	32.81	0.98	398.95	1497.75
SO		LB/HR	32.81	0.98	398.95	1497.75

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	Sample prep facility	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Sample prep facility

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.52	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	Induction furnaces	489741	4488091	2289

Cntrol# 0219-010 **Cntrol Desc:** Induction furnaces

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.17	LB/HR	32.81	3.28	-459.65	16.64
SO		LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	Prell storage tanks	489741	4488091	2289

Cntrol# 0219-011 **Cntrol Desc:** Prell storage tanks

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.32	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	Zinc pot	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Zinc pot

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	Labs, Copper Canyon	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Labs, Copper Canyon

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.10	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	Labs, Copper Basin	489741	4488091	2289

Cntrol# 0219-001 **Cntrol Desc:** Labs, Copper Basin

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.10	LB/HR	32.81	3.28	-459.65	16.64

Company Name: BETRA MANUFACTURING COMPANY

Facility ID AP33630225
FacSeq: 0225

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	0.29	LB/HR
PM	2.09	LB/HR
SO	0.00	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	ALUMINUM CRUCIBLE-TYPE FURNACE - 70 LB. CAPACITY	270630	4344050	

Cntrol# 0225-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.05	LB/HR	32.80	3.30	0.00	
PM	0.01	LB/HR	32.80	3.30	0.00	
SO	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	ALUMINUM CRUCIBLE-TYPE FURNACE - 100 LB. CAPACITY	270630	4344050	

Cntrol# 0225-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.06	LB/HR	32.80	3.30	0.00	
PM	0.01	LB/HR	32.80	3.30	0.00	
SO	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	ALUMINUM CRUCIBLE-TYPE FURNACE - 3450 LB. CAPACITY	270630	4344050	

Cntrol# 0225-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.09	LB/HR	32.80	3.30	0.00	
PM	0.01	LB/HR	32.80	3.30	0.00	
SO	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CRUCIBLE FURNACE #4, 400 LB.	270630	4344050	

Cntrol# 0225-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.09	LB/HR	32.80	3.30	0.00	
PM	0.00	LB/HR	32.80	3.30	0.00	
SO	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	CRUCIBLE FURNACE #5, 625 LB.	270630	4344050	

Cntrol# 0225-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.59	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CRUCIBLE FURNACE #6, 950 LB.	270630	4344050	

Cntrol# 0225-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.90	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	CRUCIBLE FURNACE #7, 600 LB.	270630	4344050	

Cntrol# 0225-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.57	LB/HR	32.80	3.30	0.00	

Company Name: BRADY POWER PARTNERS
BRADY HOT SPRING PROJECT

Facility ID AP49110229
FacSeq: 0229

Associated Basin

Basin	Inside	Within 50 Km
75	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	126.54	LB/HR
PM	0.87	LB/HR
SO	6.16	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	GEOTHERMAL ELECTRIC GENERATING FACILITY	328150	4407050	1300

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	DIESEL GENERATORS, WELL 27-1	328150	4407050	1300

Cntrol# 0229-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	126.54	LB/HR	32.81	3.28	0.00	1664.16
PM	0.87	LB/HR	32.81	3.28	0.00	1664.16
SO	6.16	LB/HR	32.81	3.28	0.00	1664.16

Company Name: C B AGGREGATES

Facility ID AP14420233.01

FacSeq: 0233

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	18.91	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CONVEY, CRUSHER #2 & BELT CONVEY	274200	4346300	

Cntrol# 0223-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.36	LB/HR	33.00	3.33	68.00	1500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SCREENING PLANT	269540	4342950	

Cntrol# 0223-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.45	LB/HR	33.00	3.33	68.00	1500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	LOADER, FEED BIN & BELT CONVEY	274200	4346300	

Cntrol# 0233-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CONVEY, SCREEN, STACKER & CONVEY	274200	4346300	

Cntrol# 0233-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.50	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	STACKER & TO STOCKPILE	274200	4346300	

Cntrol# 0233-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CONVEY, CONE CRUSHER & BELT CONVEY	274200	4346300	

Cntrol# 0233-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	12.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	CONVEY, SCREEN & BELT CONVEY	274200	4346300	

Cntrol# 0233-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.75	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	STACKER XFER TO STOCKPILES	274200	4346300	

Cntrol# 0233-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	CONVEY, CRUSHER & CONVEY	274200	4346300	

Cntrol# 0233-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.36	LB/HR	32.80	3.30	0.00	

Company Name: CANYON CREEK CONSTRUCTION INC

Facility ID AP14420761
FacSeq: 0761

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	2.44	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CEDAR RAPIDS PAN FEEDER	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESS WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	PAN FEEDER XFER TO JAW CRUSHER	706200	4345700	

Cntrol# 0761-002 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.42	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	CRUSHER	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CRUSHER XFER TO CONVEYOR	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	CONVEYOR XFER TO SCREEN	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CRUSHER XFER TO STOCKPILE	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	CRUSHING SYSTEM AT QUARRY	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.18	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	SCREEN XFER TO STOCKPILE	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	SCREEN XFER TO FINE CONE	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	SHORT HEAD CONE CRUSHER	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	SCREEN XFER TO CONE	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	SYMONS 3' CONE	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	CONE XFER TO CLASS C STOCKPILE	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** HIGH PRESSURE WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	CATERPILLAR GENERATOR	706200	4345700	

Cntrol# 0761-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.09	LB/HR	32.80	3.30	0.00	

Company Name: CAPITOL CITY CONCRETE

Facility ID AP32730533

FacSeq: 0533

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.01	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CONCRETE BATCH PLANT	266270	4340320	

Cntrol# 0533-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	15.00	0.50	70.00	12.50

Cntrol# 0533-002 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	36.00	0.50	70.00	21.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CONCRETE BATCH PLANT	266270	4340320	

Cntrol# 0533-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	37.00	0.50	70.00	16.40

Company Name: CHROMALLOY NEVADA

Facility ID AP76990534

FacSeq: 0534

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	0.20	LB/HR
PM	0.10	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	16 ACID STRIPPING TANKS	264170	4342170	

Cntrol# 0534-001 **Cntrol Desc:** WATER SPRAY FUME SCRUBBER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.20	LB/HR	30.00	4.00	70.00	26000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SIFTER, BLENDER POSITIONS, S2.002-3	246170	4342170	

Cntrol# 0534-001 **Cntrol Desc:** WATER CURTAIN DUST COLLEC

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	30.00	2.50	70.00	12000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	SIFTER, BLENDER POSITIONS, S2.004-5	264170	4342170	

Cntrol# 0534-001 **Cntrol Desc:** WATER CURTAIN DUST COLLEC

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	30.00	2.50	70.00	12000.00

Company Name: CIMCO

Facility ID AP30890250

FacSeq: 0250

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.03	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	STORAGE SILOS	273000	4347000	

Cntrol# 0250-001 **Cntrol Desc:** 8 CARTRIDGE BIN VENT

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR				

Cntrol# 0250-002 **Cntrol Desc:** 8 CARTRIDGE BIN VENT

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR				

Company Name: CINDERLITE TRUCKING INC
CINDERLITE DG PIT

Facility ID AP14420078
FacSeq: 0078

Associated Basin

Basin	Inside	Within 50 Km
105	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	28.92	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	POWER SCREEN	262960	4434160	

Cntrol# 0078-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.20	LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SURFACE AREA DISTURBANCE - GONI PIT	261010	4344300	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	SURFACE AREA DISTURBANCE - DRESSLERVILLE PIT	261010	4344300	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	SCREENING,SERIAL #FSG5162-26 (AOL #1554)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	SCREENING, #4310193 (AOL #1554)	261010	4344300	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CONVEY XFER #1, SEC3060(AOL #1554)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	CONVEY XFER #2, SEC3060(AOL #1554)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	CONVEY XFER #3, SEC3060(AOL #1554)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	CONVEY XFER #4, SEC3060(AOL #1554)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	CONVEY XFER #5, SEC3060(AOL #1554)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	CONVEY XFER #6, SEC3060(AOL #1554)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	CONVEY XFER #7, SEC3060(AOL #1554)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	HOPPER/GRIZZLY XFER SEC 3060 CONVEY (COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	SEC 3060 CONVEYOR XFER TO EIJAY 2-DECK SCREEN (COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	EI JAY 2-DECK SCREEN (SC-1)(COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	EI JAY 2-DECK SCREEN XFER TO CONVEY C-2,C-3,C-4(COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	CONVEY C-2 XFER TO STOCKPILE (S-1)(COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	CONVEY C-3 XFER TO 3-DECK SCREEN (SC-2)(COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	CONVEY C-4 XFER TO CONE CRUSHER (CR-1) (COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	SYMONS #40948 4-FT CONE CRUSHER (CR-1)(COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	SYMONS CONE CRUSHER XFER TO 3060 CONVEY (CR-1)(COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	EI JAY #4310193 3-DECK SCREEN (SC-2)(COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
023	EI JAY 3-D SCR (SC-2) TO CONVEY C-5,6,7 & STO.S-2(COLA#1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
024	SEC 3060 CONVEY C-5 XFER TO STOCKP S-3 (COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
025	SEC 3060 CONVEY C-6 XFER TO STOCKP S-4 (COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
026	SEC 3060 CONVEY C-7 XFER TO STOCKP S-5 (COLA #1620)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
027	HOPPER XFER TO CONVEY, & XFER FROM CONVEY TO SCREEN(CO#165	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
028	2-DECK SCREEN, & XFER TO 60' CONVEY TO CONE CRUSHER(COL#1651	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
029	60' CONVEY & XFER TO CONE CRUSHER(COLA #1651)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
030	4' CONE CRUSHER & XFER TO CONVEY TO 2-DECK SCREEN(COLA #1651	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
031	60' CONVEY FROM 2-DECK SCREEN,& XFER TO ROCK PILE(COLA#1651	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
032	60' CONVEY,& XFER FROM 2-DECK SCREEN TO 3-DECK SCR(COLA#1651	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
033	3-DECK SCREEN,& XFER TO CONVEY TO 3/4" ROCK PILE (COLA #1651	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
034	60' CONVEY,& XFER TO 3/4" ROCK PILE (COLA #1651)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
035	XFER FROM SCREEN TO CONVEY, CONVEY,& XFER TO PILE(COLA#1651)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
036	XFER FROM SCRE TO CONVEY, CONVEY,& XFER TO SANPILE(COLA#165	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
037	MATER XFER FR HOPPER TO FEED BELT & XFER TO SCR(COAL #1662)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.96	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
038	2-D SCREEN, & XFER TO ONE OF TWO CONVEYOR/BELT (COLA #1662	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
039	60' CONVEY, & XFER TO 1/2" ROCK PILE(COLA #1662)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.96	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
040	XFER FR 2-D SCREEN TO 60' CONVEY & XFER TO PILE (COLA #1662)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.96	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
041	FEED BELT & XFER FR BELT TO CEDAR SCREEN (COLA #1662)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.96	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
042	CEDAR 3-D SCREEN & XFER TO ONE OF THREE CONVEYS (COLA #1662)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
043	60' CONVEY & XFER TO 3/8" ROCK PILE (COLA #1662)	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.96	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
044	XFER FR 3-D SCR TO 60' CONVEY & XFER TO 3/4" PILE (COLA#1662	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.96	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
045	XFER FR 3-D SCR TO 80' CONVEY & XFER TO SAND PILE (COLA#1662	261010	4344300	

Cntrol# 0078-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.96	LB/HR	32.80	3.30	0.00	

Company Name: COASTAL CHEM, INC.
BATTLE MOUNTAIN CHEMICAL PLANT

Facility ID 3
FacSeq: 3

Associated Basin

Basin	Inside	Within 50 Km
61	☑	☐
64	☐	☑

Facility Pollutant Total

2001	Sum Of Hr Emiss Lmt	Unit
PM	23.48	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	4 CHAMBER PRILL TOWER	511316	4504096	1815

Cntrol# 0256-001 **Cntrol Desc:** PRILL TOWER 1

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.50	LB/HR	231.96	4.99	74.95	70361.41

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	4 CHAMBER PRILL TOWER	511322	4504090	1818

Cntrol# 0256-001 **Cntrol Desc:** PRILL TOWER 2

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.50	LB/HR	231.96	4.99	74.95	70361.41

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	4 CHAMBER PRILL TOWER	511312	4504090	1817

Cntrol# 0256-001 **Cntrol Desc:** PRILL TOWER 3

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.50	LB/HR	231.96	4.99	74.95	70361.41

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	4 CHAMBER PRILL TOWER	511318	4504085	1819

Cntrol# 0256-001 **Cntrol Desc:** PRILL TOWER 4

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.50	LB/HR	231.96	4.99	74.95	70361.41

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	EVAPORATOR/AMMONIUM NITRATE PREDRYER/DRYER/COOLER	511349	4504058	1828

Cntrol# 0256-001 **Cntrol Desc:** EVAPORATOR/AMMONIUM NITR

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	8.76	LB/HR	100.07	4.99	83.95	55750.84

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	BULK SOLIDS HANDLING	511369	4504003	1841

Cntrol# 0256-001 **Cntrol Desc:** BULK SOLIDS HANDLING

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.46	LB/HR	16.40	0.98	74.95	1.50

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	VOLCANO INTERNATIONAL WATER TUBE BOILER	511265	4504167	1778

Cntrol# 0256-001 **Cntrol Desc:** WATER TUBE STEAM BOILER

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.20	LB/HR	27.89	3.41	224.35	10079.78

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	SCOTCH MARINE TUBE BOILER	511260	4504165	1779

Cntrol# 0256-001 **Cntrol Desc:** FIRE TUBE STEAM BOILER

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	27.89	2.00	224.35	2538.87

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	NITRIC ACID PLANT	511256	4504131	1778

Cntrol# 0256-001 **Cntrol Desc:** NITRIC ACID PLANT

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM			200.13	2.95	535.75	56480.08

Company Name: COASTAL CHEM, INC.
PORTABLE BOILER

Facility ID 5
FacSeq: 5

Associated Basin

Basin	Inside	Within 50 Km
64	☑	☐

Facility Pollutant Total

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	Portable Boiler	511256	4504113	1778

Company Name: COFFMAN CONSTRUCTION COMPANY

Facility ID AP32730615
FacSeq: 0615

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	27.14	LB/HR
PM	2.44	LB/HR
SO	1.74	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CONCRETE BATCH PLANT	353050	4364460	

Cntrol# 0615-002 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.34	LB/HR	36.00	0.50	70.00	8000.00

Cntrol# 0615-003 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.18	LB/HR	36.00	0.50	70.00	8000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	DIESEL GENERATOR	353050	4364460	

Cntrol# 0615-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	27.14	LB/HR	13.50	0.50	1100.00	5229.00
PM	1.91	LB/HR	13.50	0.50	1100.00	5229.00
SO	1.74	LB/HR	13.50	0.50	1100.00	5229.00

Company Name: CR MINERALS -NEVADA, LLC

Facility ID AP32950188

FacSeq: 0188

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Pollutant by system

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
PM	2.52	LB/HR

1995	Sum Of Hr Emiss Lmt	Unit
PM	3.52	LB/HR

1996	Sum Of Hr Emiss Lmt	Unit
PM	4.52	LB/HR

1999	Sum Of Hr Emiss Lmt	Unit
PM	28.89	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	RAILCAR LOADING	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** BAGHOUSE

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	16.01	0.49	0.00	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	70.00	1.60	68.00	3350.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	PRODUCT STORAGE BIN	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	16.00	3.33	68.00	13440.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	WASTE HANDLING SYSTEM	306880	4415410	1403

Cntrol# 0188-002 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	11.40	LB/HR	30.00	0.33	68.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	TRUCK UNLOADING SYSTEM	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.52	LB/HR	35.00	1.50	68.00	22837.00

Cntrol# 0188-004 **Cntrol Desc:**

Year: 1996

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.52	LB/HR	16.01	3.08	0.00	22837.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	#1 FLASH DRY SYSTEM & #1 MILL	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.77	LB/HR	72.00	1.33	219.00	18800.00

Cntrol# 0188-005 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	70.01	1.64	199.40	18800.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	#2 FLASH DRY SYSTEM & #2 MILL	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.77	LB/HR	72.00	1.33	219.00	13770.00

Cntrol# 0188-006 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	70.01	1.64	199.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	CYCLONE AIR CLASSIFIER	306880	4415410	1403

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	AIR CLASSIFIER	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.44	LB/HR	60.00	1.13	68.00	4000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	AIR CLASSIFICATION SYSTEM	306880	4415410	1403

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	SURFACE AREA DISTURBANCE	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** CHEMICAL STABILIZATION, WA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	RAILCAR LOADING	306880	4386630	1403

Cntrol# 0188-001 **Cntrol Desc:** SYSTEMS ENGINEERING BAGHO

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	16.00	6.00	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	CLASSIFICATION/STORAGE SYSTEM	306880	4386630	1403

Cntrol# 0188-001 **Cntrol Desc:** CRUDE VENT/OUTSIDE BAGHOU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.24	LB/HR	16.00	2.69	72.00	18500.00

Cntrol# 0188-003 **Cntrol Desc:** FLEXCLEAN BAGHOUSE (ALTER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.02	LB/HR	50.00	0.79	72.00	1200.00

Cntrol# 0188-004 **Cntrol Desc:** RAYJET BAGHOUSE (ALTERNAT

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.71	LB/HR	50.00	1.04	72.00	3350.00

Cntrol# 0188-012 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.52	LB/HR	50.00	0.89	0.00	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.52	LB/HR	16.01	3.08	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	FISHER KLOSTERMAN AIR CLASSIFIER	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** #4 RAYJET BAGHOUSE (PRIMAR

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.71	LB/HR	50.00	1.04	72.00	4000.00

Cntrol# 0188-002 **Cntrol Desc:** MILL #2 BAGHOUSE (ALTERNAT

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.02	LB/HR	70.00	1.63	72.00	6000.00

Cntrol# 0188-003 **Cntrol Desc:** CRUDE VENT/OUTSIDE BAGHOU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.24	LB/HR	32.80	2.69	72.00	18500.00

Cntrol# 0188-013 **Cntrol Desc:** CRUDE VENT/OUTSIDE BAGHOU

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	50.00	1.18	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	RAYMOND #1 FLASH DRYER & #1 MILL SYSTEM	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** #1 MILL BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	70.00	1.63	72.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	RAYMOND #2 FLASH DRYER & #2 MILL SYSTEM	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** #2 MILL BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	70.00	1.63	72.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	PRODUCT PACKAGING	306880	4415410	1403

Cntrol# 0188-001 **Cntrol Desc:** #3 INDUSTRIAL CLEAN BAGHOU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.60	LB/HR	70.00	19.50	72.00	3207.00

Cntrol# 0188-016 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	70.01	1.64	0.00	

Company Name: DURA BOND BEARING COMPANY

Facility ID AP37141231

FacSeq: 1231

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	1.59	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	KOLENE SYSTEM	263730	4342610	

Cntrol# 1231-001 **Cntrol Desc:** ENVIROCLEAR SYSTEMS FUME S

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.38	LB/HR	30.00	2.67	70.00	11000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	FURNACE	263730	4342610	

Cntrol# 1231-001 **Cntrol Desc:** THERMAL OXIDIZER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.16	LB/HR	29.00	1.67	1600.00	2810.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	BABBIT MACHINE #1	263730	4342610	

Cntrol# 1231-001 **Cntrol Desc:** MURPHY-RODGERS CYCLONE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.35	LB/HR	11.50	0.84	70.00	3234.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	BABBIT MACHINE #2	263730	4342610	

Cntrol# 1231-001 **Cntrol Desc:** MURPHY-RODGERS CYCLONE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.35	LB/HR	11.50	0.84	70.00	3234.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	BABBIT MACHINE #3	263730	4342610	

Cntrol# 1231-001 **Cntrol Desc:** MURPHY-RODGERS CYCLONE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.35	LB/HR	11.50	0.84	70.00	3234.00

Company Name: EAGLE PICHER MINERALS INC.
CLARK MINE

Facility ID AP14990836
FacSeq: 0836

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
PM	21.34	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
PM	0.00	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CONVEYOR	294000	4381500	1648

Cntrol# 0836-001 **Cntrol Desc:** ORE MOISTURE > 20%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	-459.40	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005		286830	4381970	1298

Cntrol# 0836-005 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.27	LB/HR	41.01	2.82	71.33	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006		286846	4382047	1298

Cntrol# 0836-006 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.64	LB/HR	56.00	2.62	71.33	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007		286892	4381967	1298

Cntrol# 0836-007 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	16.20	LB/HR	58.99	3.81	250.34	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008		286889	4382041	1298

Cntrol# 0836-008 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.29	LB/HR	58.01	2.26	170.24	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009		286884	4382035	1298

Cntrol# 0836-009 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.51	LB/HR	58.01	2.26	200.30	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010		286870	4381999	1298

Cntrol# 0836-010 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.20	LB/HR	32.81	0.03	71.33	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011		286870	4381999	1298

Cntrol# 0836-011 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.23	LB/HR	39.00	1.00	250.00	

Company Name: EAGLE PICHER MINERALS INC
CLARK PLANT

Facility ID AP14990281
FacSeq: 0281

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	10.22	LB/HR
PM	20.14	LB/HR
SO	32.84	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	Flash Dry Circuit #2 (BH_2F_22)	286898	4382035	1298

Cntrol# 0281-001 **Cntrol Desc:** BAGHOUSE F-22, GAS or OIL

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1.70	LB/HR	58.00	2.33	154.13	17000.00
PM	2.09	LB/HR	58.00	2.33	154.13	17000.00
SO	0.43	LB/HR	58.00	2.33	154.13	17000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	Flash Dry Circuit #1 (BH_F_22)	286901	4382033	1298

Cntrol# 0281-001 **Cntrol Desc:** BAGHOUSE (FOR GAS or OIL)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1.70	LB/HR	58.00	2.33	148.19	17000.00
PM	2.09	LB/HR	58.00	2.33	148.19	17000.00
SO	0.43	LB/HR	58.00	2.33	148.19	17000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	Crushing & Screening (BH_A_45A)	286830	4381970	1298

Cntrol# 0281-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.36	LB/HR	44.29	2.81	70.00	16500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	Classification & Drying (BH_A_15)	286903	4381955	1298

Cntrol# 0281-001 **Cntrol Desc:** PULSE-JET BAGHOUSE A-15 (FOR

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	6.59	LB/HR	53.00	2.96	224.33	40000.00
PM	6.58	LB/HR	53.00	2.96	224.33	40000.00
SO	31.98	LB/HR	53.00	2.96	224.33	40000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	Buell Fines (BH_A_35)	286855	4381974	1298

Cntrol# 0281-001 **Cntrol Desc:** BIN VENT

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.36	LB/HR	53.25	2.43	70.00	17287.40

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	Transfer to Flash Dry (BH_A_43)	286846	4382047	1298

Cntrol# 0281-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.05	LB/HR	56.00	2.67	70.00	13189.40

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	Transfer to Flash Dry (BV_2F_31)	286869	4382036	1298

Cntrol# 0281-001 **Cntrol Desc:** BIN VENT

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	54.00	0.60	70.00	0.01

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	Packing Circuit (BH_F_51)	286910	4382033	1298

Cntrol# 0281-001 **Cntrol Desc:** BAGHOUSE F-5 (DC08)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.66	LB/HR	56.50	2.00	70.00	16200.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	Pilot Plant & Ribbon (BH_A_45B)	286767	4381889	1298

Cntrol# 0281-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.24	LB/HR	39.00	2.85	118.10	10253.00
PM	0.80	LB/HR	39.00	2.85	118.10	10253.00
SO	0.00	LB/HR	39.00	2.85	118.10	10253.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	Classification & Drying (BH_A_47)	286918	4381971	1298

Cntrol# 0281-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.00	LB/HR	51.51	2.17	70.00	8120.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	Transfer to Flash Dry (BV_F_5A)	286876	4382049	1298

Cntrol# 0281-001 **Cntrol Desc:** BIN VENT

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	56.00	0.75	70.00	26.30

Company Name: EAGLE PICHER MINERALS INC
DIATOM (HAZEN LOADING)

Facility ID AP14990273
FacSeq: 0273

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	6.59	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	DIATOM LOADING FACILITY	324333	4374333	

Cntrol# 0273-001 **Cntrol Desc:** UNDERGROUND HOPPER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.00	LB/HR	32.80	3.30	0.00	

Cntrol# 0273-002 **Cntrol Desc:** COVERED CONVEYOR

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

Cntrol# 0273-003 **Cntrol Desc:** COVERED RAILCAR

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SCREENING PLANT AT MINE LOCATIONS (PF1.001-1.004)	324000	4374000	

Cntrol# 0273-001 **Cntrol Desc:** ORE MOISTURE CONTENT OF 20

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.58	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	LOADING FACILITY AT BABGO STATION RAIL SIDING	324000	4374000	

Cntrol# 0273-001 **Cntrol Desc:** UNDERGROUND HOPPER,COVER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	SURFACE AREA DISTURBANCE	324333	4374333	

Company Name: EAGLE PICHER MINERALS INC.
PILOT PLANT

Facility ID AP14990606
FacSeq: 0606

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
PM	2.23	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
PM	0.23	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	DE PROCESSING	286030	4381520	1320

Cntrol# 0606-001 **Cntrol Desc:** FLEX KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.23	LB/HR	39.00	1.02	249.80	3204.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	DE PROCESSING	286870	4381999	1298

Cntrol# 0606-001 **Cntrol Desc:** FLEX KLEEN BAGHOUSE

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.23	LB/HR	39.01	1.01	249.80	3204.00

Company Name: FERNLEY READY MIX

Facility ID AP16110294

FacSeq: 0294

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
PM	15.60	LB/HR

1999	Sum Of Hr Emiss Lmt	Unit
PM	15.60	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	AGGREGATE BIN	307070	4383040	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	AGGREGATE BATCHER	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.94	LB/HR	33.00	3.30	68.00	168.00

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.94	LB/HR	33.00	3.30	68.00	168.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	CEMENT SILO	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	50.00	0.50	68.00	62.00

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	50.00	0.50	68.00	62.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CEMENT HOPPER	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	50.00	0.50	68.00	168.00
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.05	LB/HR	50.00	0.50	68.00	168.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	MIXER TRUCK LOAD	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.40	LB/HR	33.00	3.30	68.00	168.00
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	2.40	LB/HR	33.00	3.30	68.00	168.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	REXNORD SAND/AGGREGATE HANDLING	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.37	LB/HR	32.80	3.30	0.00	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	1.37	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	REXNORD CEMENT HANDLING	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:** BAGHOUSE (CEMENT LOADING)

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.50	LB/HR	50.00	0.50	68.00	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.50	LB/HR	50.00	0.50	68.00	

Cntrol# 0294-002 **Cntrol Desc:** BAGHOUSE (CEMENT DISCHARG

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.50	LB/HR	50.00	0.50	0.00	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.50	LB/HR	50.00	0.50	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	REXNORD AGGREGATE BATCHER	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:** WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.94	LB/HR	32.80	3.30	0.00	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.94	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	REXNORD MIXER TRUCK LOADING	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.20	LB/HR	32.80	3.30	0.00	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	1.20	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	BESSER SAND/AGGREGATE HANDLING	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.73	LB/HR	32.80	3.30	0.00	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.73	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	BESSER CEMENT HANDLING	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

Cntrol# 0294-002 **Cntrol Desc:** BAGHOUSE (DISCHARGE)

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	BESSER AGGREGATE BATCHER	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:** WATER SPRAYS

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	1.88	LB/HR	32.80	3.30	0.00	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	1.88	LB/HR	32.80	3.30	0.00	

System#	**SystemDesc**	**UTME (m)**	**UTMN (m)**	**Elevation (m)**
013	BESSER MIXER TRUCK LOADING	307070	4383040	

Cntrol# 0294-001 **Cntrol Desc:** WATER SPRAYS

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	2.40	LB/HR	32.80	3.30	0.00	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	2.40	LB/HR	32.80	3.30	0.00	

Company Name: FITZHENRYS FUNERAL HOME

Facility ID AP72610182
FacSeq: 0182

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.04	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CREMATORIUM	264620	4338640	

Cntrol# 0182-001 **Cntrol Desc:** AFTERBURNER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	8.75	1.67	800.00	3000.00

Company Name: FORTIFIBER CORPORATION

Facility ID AP26720299

FacSeq: 0299

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	0.73	LB/HR
PM	5.85	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PROCESS OIL HEATING BOILER	305000	4387000	

Cntrol# 0299-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.73	LB/HR	20.00	2.00	665.00	1522.00
PM	0.09	LB/HR	20.00	2.00	665.00	1522.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SATURATOR	305000	4387000	

Cntrol# 0299-001 **Cntrol Desc:** AUTO FILTERING SYSTEM

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.36	LB/HR	11.00	1.83	35.50	5600.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	LAMINATOR	305000	4387000	

Cntrol# 0299-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	5.40	LB/HR	38.00	3.70	110.00	7500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	REVERSE ROLL COATER LINE	305000	4387000	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	HEATED ASPHALT STORAGE TANKS	305000	4387000	

Cntrol# 0299-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	15.00	0.25	67.00	0.50

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	HEATED LAMINATING HOT MELT STORAGE TANK	305000	4387000	

Company Name: FREHNER CONSTRUCTION CO

Facility ID

FacSeq: 9000

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Pollutant by system

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
NO	0.88	LB/HR
PM	9.68	LB/HR
SO	0.78	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	3.21	LB/HR
PM	5.59	LB/HR
SO	1.98	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	Mustang Asphalt Plant	275000	4381100	1310

Cntrol# 9000-01 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.78	LB/HR	29.86	4.59		23.24
PM	4.93	LB/HR	29.86	4.59		23.24
SO	1.94	LB/HR	29.86	4.59		23.24

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	Sand & Grarel Process	275025	4381100	1310

Cntrol# 9000-02 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.43	LB/HR	32.81	0.03		
PM	0.66	LB/HR	32.81	0.03		
SO	0.04	LB/HR	32.81	0.03		

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	102 Ranch Pit Asphalt Plant	288000	4382450	1310

Cntrol# 9000-03 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.84	LB/HR	29.86	4.60	284.00	
PM	8.69	LB/HR	29.86	4.60	284.00	
SO	0.78	LB/HR	29.86	4.60	284.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	102 Ranch Pit Sand & Grarel	288025	4382450	1310

Cntrol# 9000-04 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.04	LB/HR	32.81	3.28	0.00	
PM	0.99	LB/HR	32.81	3.28	0.00	
SO	0.00	LB/HR	32.81	3.28	0.00	

Company Name: GEO NEVADA INC.

Facility ID AP10410119
FacSeq: 0119

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.23	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	ORE CRUSHER PLANT	272690	4346750	

Cntrol# 0119-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.23	LB/HR				

Company Name: GLACIER CONSTRUCTION
STATIONARY SOURCE/PORTABLE

Facility ID AP14420570
FacSeq: 0570

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	1.28	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	MATERIAL XFER TO HOPPER (COLA #1566)	323540	4378480	

Cntrol# 0570-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	HOPPER XFER TO CONVEY (COLA #1566)	323540	4378480	

Cntrol# 0570-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	CONVEY XFER TO SCREEN (COLA #1566)	323540	4378480	

Cntrol# 0570-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	SCREEN XFER TO DISCH. CONVEY OR CONE CRUSHER (COLA #1566)	323540	4378480	

Cntrol# 0570-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	CONVEY TO PRODUCT PILE (COLA #1566)	323540	4378480	

Cntrol# 0570-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CONE CRUSHER XFER TO RECIRCULATION CONVEY (COLA #1566)	323540	4378480	

Cntrol# 0570-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	AGGREGATE CRUSHING & SCREENING	323540	4378480	

Cntrol# 0570-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.28	LB/HR	32.80	3.30	0.00	

Company Name: GLAMIS MARIGOLD MINING
MARIGOLD MINE

Facility ID 6
FacSeq: 6

Associated Basin

Basin	Inside	Within 50 Km
64	☑	☐

Facility Pollutant Total

2001	Sum Of Hr Emiss Lmt	Unit
PM	15.41	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	Pioneer jaw & Symons cone crushers	487436	4510822	1373

Cntrol# 0158-001 **Cntrol Desc:** Pioneer jaw & Symons cone crushers

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.59	LB/HR	10.99	2.00	72.07	9450.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	Screening system	487486	4510785	1374

Cntrol# 0158-001 **Cntrol Desc:** Screening system

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.62	LB/HR	12.99	2.00	72.07	9450.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	Radial stacker system	487422	4510830	1373

Cntrol# 0158-001 **Cntrol Desc:** Radial stacker system

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.24	LB/HR	37.01	0.75	72.07	1400.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	Ore stockpile system	487422	4510830	1373

Cntrol# 006-005 **Cntrol Desc:** Baghouse#5 to conveyor6-Ore stockpi

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	Mill feed lime silo system	487428	4510861	1373

Cntrol# 006-08A **Cntrol Desc:** lime silo unloading

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	-459.65	16.64

Cntrol# 006-08B **Cntrol Desc:** Lime silo loading

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.27	LB/HR	35.01	0.92	72.07	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	Crushing lime silo system	487468	4510780	1374

Cntrol# 006-009 **Cntrol Desc:** Lime silo loading

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.89	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	carbon kiln system	487387	4510905	1373

Cntrol# 0158-001 **Cntrol Desc:** carbon kiln

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	1.00	1199.95	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	Retort	487387	4510905	1373

Cntrol# 006-011 **Cntrol Desc:** Retort

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	crucible tilting furnace	487387	4510905	1373

Cntrol# 0158-001 **Cntrol Desc:** crucible tilting furnace

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.87	LB/HR	29.99	1.21	1879.99	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
01A	Ore handling system	487403	4510768	1374

Cntrol# 006-01A **Cntrol Desc:** dump into hopper feeder

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
01B	Ore handling system	487447	4510787	1374

Cntrol# 006-01B **Cntrol Desc:** transfer - hopper feeder to grizzly

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
01C	Ore handling system	487456	4510824	1373

Cntrol# 006-01C **Cntrol Desc:** transfer - grizzly to jaw crusher

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
04A	Radial stacker system (alternative)	487510	4510793	1373

Cntrol# 006-04A **Cntrol Desc:** Radial stacker (alternative) conveyor5

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
06A	Mill feed system	487445	4510841	1373

Cntrol# 006-06A **Cntrol Desc:** Conveyor feeder #1

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
06B	Mill feed system	487432	4510920	1373

Cntrol# 006-06B **Cntrol Desc:** Conveyor feeder #2

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
06C	Mill feed system	487345	4511041	1372

Cntrol# 006-06C **Cntrol Desc:** Conveyor #7

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
07A	Baghouse material handling system	487436	4510822	1373

Cntrol# 006-07A **Cntrol Desc:** baghouse#2 to conveyor #2

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
07B	Baghouse material handling system	487436	4510785	1374

Cntrol# 006-07B **Cntrol Desc:** baghouse#4 to conveyor #4

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
07C	Baghouse material handling system	487422	4510830	1373

Cntrol# 006-07C **Cntrol Desc:** baghouse#5 to conveyor #6

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
2AA	Crushing system (alternative)	487473	4510848	1373

Cntrol# 006-2AA **Cntrol Desc:** transfer - conveyor8 to conveyor9

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
2AB	Crushing system (alternative)	487435	4510761	1374

Cntrol# 006-2AB **Cntrol Desc:** transfer - conveyor8 to stockpile

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
6AA	Mill feed system (alternative)	487448	4510919	1373

Cntrol# 006-6AA **Cntrol Desc:** backup hopper loading

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
6AB	Mill feed system (alternative)	487441	4510834	1373

Cntrol# 006-6AB **Cntrol Desc:** hopper to conveyor #7

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
6AC	Mill feed system (alternative)	487345	4511041	1372

Cntrol# 006-6AC **Cntrol Desc:** conveyor #7

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

Company Name: GOPHER CONSTRUCTION INC

Facility ID AP16110014
FacSeq: 0014

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
PM	10.30	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	6.55	LB/HR
PM	11.09	LB/HR
SO	1.74	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CATERPILLAR DIESEL GENERATOR	275210	4377950	1318

Cntrol# 0014-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	6.55	LB/HR	32.81	3.28	650.30	1664.16
PM	0.21	LB/HR	32.81	3.28	650.30	1664.16
SO	1.74	LB/HR	32.81	3.28	650.30	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	CEDAR RAPIDS JAW CRUSHER	276210	4377950	1318

Cntrol# 0014-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	32.81	3.28	0.00	1664.16

Cntrol# 0014-003 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.50	LB/HR	32.81	3.28	0.00	1663.31

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	CEDAR RAPIDS DOUBLE DECK SCREEN	276210	4377950	1318

Cntrol# 0014-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	EL JAY CONE CRUSHER	276210	4377950	1318

Cntrol# 0014-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.95	LB/HR	32.81	3.28	0.00	1664.16

Cntrol# 0014-006 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.20	LB/HR	32.81	3.28	0.00	1663.31

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	CEDAR RAPIDS TRIPLE DECK SCREEN	276210	4377950	1318

Cntrol# 0014-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.00	LB/HR	32.81	3.28	0.00	1664.16

Cntrol# 0014-007 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.60	LB/HR	32.81	3.28	0.00	1663.31

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	MATERIAL FEED TO HOPPER	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.56	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	JAW CRUSHER & XFER TO EITHER OF TWO CONVEYORS	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.96	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	SCREEN & XFER TO EITHER OF THREE CONVEYORS	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.34	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	CONVEY (#4) & XFER TO 3/8" STOCKPILE	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	CONVEYORS XFER	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	CONVEY (#7) & XFER TO 30"X65' CONVEY	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	CONVEY (#11) & XFER TO EIJAY 3-DECK SCREEN(#14)	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	SCREEN #14 & XFER TO 4 CONVEY#12,13,15,16	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	CONVEYORS & XFER	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.89	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	CONVEYORS & XFER	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	CONVEYORS & XFER	274940	4337721	1318

Cntrol# 0014-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.09	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	CONVEY #21 & XFER TO 1/2" STOCKPILE	274940	4377210	1318

Cntrol# 0014-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16

Company Name: GRANITE CONSTRUCTION
GRANITE LOCKWOOD

Facility ID
FacSeq: 9002

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	0.88	LB/HR
PM	0.61	LB/HR
SO	0.61	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	GRANITE LOCKWOOD	271650	4376230	1329

Cntrol# 9002-01 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.88	LB/HR	29.53	2.49		32.20
PM	0.61	LB/HR	29.53	2.49		32.20
SO	0.61	LB/HR	29.53	2.49		32.20

Company Name: GRANITE CONSTRUCTION
GRANITE PATRIC ASPHALT PLANT

Facility ID
FacSeq: 9001

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
NO	3.30	LB/HR
PM	1.75	LB/HR
SO	2.30	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001		279880	4381120	1341

Cntrol# 9001-01 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	3.30	LB/HR	34.45	2.90	300.20	
PM	1.75	LB/HR	34.45	2.90	300.20	
SO	2.30	LB/HR	34.45	2.90	300.20	

Company Name: GRANITE CONSTRUCTION COMPANY
DAYTON PIT

Facility ID AP16110196
FacSeq: 0196

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	67.53	LB/HR
PM	40.50	LB/HR
SO	30.88	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PIONEER DRUM MIX ASPHALT PLANT-AGGREGATE FEED SYSTEM	278250	4345430	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.47	LB/HR	20.00	3.27	310.00	20900.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	PRIMARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.21	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	PRIMARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	PRIMARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	PRIMARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	PRIMARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	PRIMARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	PRIMARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	PRIMARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	SECONDARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.10	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	SECONDARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	SECONDARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	SECONDARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	SECONDARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	SECONDARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	SECONDARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.08	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	TERTIARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.11	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	TERTIARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.71	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	TERTIARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	TERTIARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	TERTIARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	TERTIARY CRUSHING, SCREENING AND CONVEYANCE	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
023	DIESEL GENERATOR (S2.001)	278560	4343780	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	17.92	LB/HR	32.80	3.30	0.00	
PM	0.34	LB/HR	32.80	3.30	0.00	
SO	2.86	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
024	ASPHALT PRODUCTION-OPTION A	278250	4345430	1341

Cntrol# 0196-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	13.50	LB/HR	32.80	3.30	0.00	
PM	12.33	LB/HR	32.80	3.30	0.00	
SO	1.49	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
025	ASPHALT PRODUCTION-OPTION B	278250	4345430	1341

Cntrol# 0196-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	33.75	LB/HR	32.81	3.28	0.00	1664.16
PM	12.33	LB/HR	32.81	3.28	0.00	1664.16
SO	25.20	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
026	ASPHALT PRODUCTION LOADOUT-OPTION A	278250	4345430	1341

Cntrol# 0196-001 **Cntrol Desc:** BLUE SMOKE FILTER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.68	LB/HR	32.80	3.30	0.00	
PM	2.17	LB/HR	32.80	3.30	0.00	
SO	0.08	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
027	ASPHALT PRODUCTION LOADOUT-OPTION B	278250	4345430	1341

Cntrol# 0196-001 **Cntrol Desc:** BLUE SMOKE FILTER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1.69	LB/HR	32.80	3.30	0.00	
PM	2.17	LB/HR	32.80	3.30	0.00	
SO	1.26	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
028	ASPHALT PLANT, LIME SILO LOADING	278250	4345430	1341

Cntrol# 0196-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.81	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
029	PIONEER DRUM ASPHALT PLANT-LIME SILO DISCHARGE	278250	4345430	1341

Cntrol# 0196-001 **Cntrol Desc:** COMPLETE ENCLOSURE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
030	FINES REJECT CIRCUIT	278350	4343750	1341

Cntrol# 0196-001 **Cntrol Desc:** MOISTURE CONTENT OF THE MA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.29	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
031	SAND FEEDER TO AGGREGATE BASE PRODUCT	278500	4344000	1341

Cntrol# 0196-001 **Cntrol Desc:** FEED MATERIAL IN THIS CIRCUI

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
032	WASHED SAND CIRCUIT	278500	4344000	1341

Cntrol# 0196-001 **Cntrol Desc:** FEED MATERIAL IN THIS CIRCUI

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
033	SAND FEEDER TO CONCRETE SAND PRODUCT	278250	4345430	1341

Cntrol# 0196-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
034	MARINATION PLANT PROCESS	278500	4344900	1341

Cntrol# 0196-001 **Cntrol Desc:** THE MOISTURE CONTENT OF TH

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.26	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
035	MARINATION PLANT PROCESS-LIME SILO LOADING	278500	4344900	1341

Cntrol# 0196-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
036	MARINATION PLANT PROCESS-LIME DISCHARGE LOADING	278500	4344900	1341

Cntrol# 0196-001 **Cntrol Desc:** COMPLETE ENCLOSURE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
037	SURFACE AREA DISTURBANCE	278250	4345430	1341

Cntrol# 0196-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

Company Name: HISKETT & SONS

Facility ID AP14420324

FacSeq: 0324

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	4.86	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CRUSHING AND SCREENING	344910	4368930	

Cntrol# 0324-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.20	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SCREEN	344910	4368930	

Cntrol# 0324-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.27	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	CONCRETE BATCH PLANT	344910	4368930	

Cntrol# 0324-001 **Cntrol Desc:** BIN VENT FILTER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.39	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	SURFACE AREA DISTURBANCE	344910	4368930	

Cntrol# 0324-001 **Cntrol Desc:** WATERING/CHEMICAL STABILIZ

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR				

Company Name: HODGES TRANSPORTATION INC
NATC ROCK

Facility ID AP14420085
FacSeq: 0085

Associated Basin

Basin	Inside	Within 50 Km
102	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	7.20	LB/HR
SO	22.00	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	SCREEN	292590	4351280	

Cntrol# 0085-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	7.20	LB/HR				
SO	22.00	LB/HR				

Company Name: HODGES TRANSPORTATION, INC.
NATC ROCK QUARRY NO. 2

Facility ID AP14420550
FacSeq: 0550

Associated Basin

Basin	Inside	Within 50 Km
102	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	1.90	LB/HR
PM	10.88	LB/HR
SO	0.12	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	TRACK FEEDER	294390	4351390	

Cntrol# 0550-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.49	LB/HR	33.00	3.30	68.00	20.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CONE CRUSHER	294390	4351390	

Cntrol# 0550-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.79	LB/HR	33.00	3.30	68.00	20.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	3 DECK SCREEN	294390	4351390	

Cntrol# 0550-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	5.25	LB/HR	33.00	3.30	68.00	20.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	2 DECK SCREEN	294390	4351390	

Cntrol# 0550-002 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.63	LB/HR	33.00	3.30	68.00	20.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	RADIAL STACKER	294390	4351390	

Cntrol# 0550-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.59	LB/HR	33.00	3.30	68.00	20.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	GENERATOR	294390	4351390	

Cntrol# 0550-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1.90	LB/HR	10.00	0.50	533.00	700.00
PM	0.13	LB/HR	10.00	0.50	533.00	700.00
SO	0.12	LB/HR	10.00	0.50	533.00	700.00

Company Name: HUGHES ROCK & SAND
DAYTON PIT

Facility ID AP14420329
FacSeq: 0329

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	2.57	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	STEPHENS READY MIX PLANT	277000	4346130	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CRUSHING & SCREENING PLANT	277000	4346130	

Cntrol# 0329-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.57	LB/HR				

Company Name: JACK N TEDFORD INC
ASPHALT PLANT

Facility ID AP16110342
FacSeq: 0342

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	6.86	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	ASPHALT PLANT	339500	4373100	

Cntrol# 0342-001 **Cntrol Desc:** WET SCRUBBER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.86	LB/HR	30.00	3.00	136.10	19275.00

Company Name: KAL KAN FOODS INC
WESTERN DRY PROJECT

Facility ID AP20470590
FacSeq: 0590

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	3.89	LB/HR
PM	12.74	LB/HR
SO	0.02	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	SURFACE AREA DISTURBANCE	280000	4381270	1320

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	MAIN EXHAUST FAN	281039	4381656	1320

Cntrol# 0590-001 **Cntrol Desc:** WET SCRUBBER - BIOFILTER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.49	LB/HR	15.00	4.33	155.00	60264.97
PM	10.15	LB/HR	15.00	4.33	155.00	60264.97

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	BOILER #1, S2.008	281086	4381679	1320

Cntrol# 0590-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.70	LB/HR	50.00	1.67	500.00	2198.30
PM	0.09	LB/HR	50.00	1.67	500.00	2198.30
SO	0.01	LB/HR	50.00	1.67	500.00	2198.30

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	BOILER #2, S2.009	281088	4381675	1320

Cntrol# 0590-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.70	LB/HR	50.00	1.67	500.00	2198.30
PM	0.09	LB/HR	50.00	1.67	500.00	2198.30
SO	0.01	LB/HR	50.00	1.67	500.00	2198.30

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	Dryer Exhaust Fan	281039	4381656	1320

Cntrol# 0590-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.42	LB/HR	15.00	4.33	155.00	60264.97

Company Name: KENNAMETAL INC
FALLON PLANT

Facility ID AP33990562
FacSeq: 0562

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	10.64	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	POWDER BLENDING CIRCUITS	345620	4371280	1210

Cntrol# 0562-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.42	LB/HR	26.00	0.67	77.00	7500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	POWDER BLENDING CIRCUIT	345620	4371280	1210

Cntrol# 0562-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.48	LB/HR	28.00	0.83	77.00	1500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	POWDER BLENDING CIRCUIT	345620	4371280	1210

Cntrol# 0562-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.29	LB/HR	28.00	1.70	77.00	4000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	POWDER BLENDING CIRCUIT	345620	4371280	1210

Cntrol# 0562-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.61	LB/HR	28.00	1.50	77.00	5000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	POWDER BLENDING CIRCUIT	345620	4371280	1210

Cntrol# 0562-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.61	LB/HR	25.00	1.70	77.00	5000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	POWDER BLENDING CIRCUIT	345620	4371280	1210

Cntrol# 0562-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.81	LB/HR	23.00	0.91	77.00	2500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	WAREHOUSE BAG CUTTING	345620	4371280	1210

Cntrol# 0562-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.42	LB/HR	20.00	1.50	77.00	7500.00

Company Name: KENNAMETAL INC., ADVANCED MATERIALS GROUP
MINING & METALLURGICAL GROUP

Facility ID AP33990120
FacSeq: 0120

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	15.69	LB/HR
PM	40.51	LB/HR
SO	28.52	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	ROTARY DIGESTERS & LEACH AGITATOR	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** HORIZONTAL PACKED WET SCR

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	7.44	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	AEROMATIC PULVERIZER	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.16	LB/HR	10.00	0.67	68.00	451.95

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	ELECTROLEACHING SYSTEM	345910	4388270	1215

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	THERMIT KILN	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	5.75	LB/HR	13.00	4.00	3000.20	94363.50
PM	20.07	LB/HR	13.00	4.00	3000.20	94363.50
SO	28.36	LB/HR	13.00	4.00	3000.20	94363.50

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	THERMIT MIXING & BAGGING PROCESS	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.43	LB/HR	26.75	1.19	77.27	4648.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	ROTARY DRYING CIRCUIT	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.56	LB/HR	24.00	1.60	155.07	4513.06

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	THERMIT KILN MIXING & BAGGING, CRUSHING & SCREENING CIRCUIT	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.18	LB/HR	30.50	1.19	77.27	3427.08

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	CARBON BLACK CRUSHER	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.45	LB/HR	23.00	0.33	77.27	1290.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	CRYSTAL CRUSHER	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	10.09	LB/HR	12.00	2.66	77.27	26253.40

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	CLEANING CIRCUIT	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.16	LB/HR	29.75	1.00	77.27	3358.65

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	KENFACE CIRCUIT	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.17	LB/HR	28.50	2.00	77.27	1539.22

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	ACID LEACHING CIRCUIT	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.51	LB/HR	10.00	1.00	77.27	1490.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	COBALT POWDER WEIGHING PROCESS	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.36	LB/HR	10.00	1.00	77.27	1053.70

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	CRYSTAL MASS POWDER WEIGHING PROCESS	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.17	LB/HR	10.00	1.00	77.27	482.94

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	CARBON PLATE GRINDING PROCESS	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.54	LB/HR	10.00	1.00	77.27	1549.55

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	LIME SILO LOADING	345500	4388000	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE (LOADING)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	49.00	3.30	77.26	894.00

Cntrol# 0120-002 **Cntrol Desc:** GOOD OPERATING PRACTICES (

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	THERMIT KILN PREHEATER	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.33	LB/HR	32.80	3.30	0.00	
PM	0.01	LB/HR	32.80	3.30	0.00	
SO	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	BOILERS	435910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.17	LB/HR	32.80	3.30	0.00	
PM	0.07	LB/HR	32.80	3.30	0.00	
SO	0.14	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	LEACH AGITATOR SYSTEM	345910	4388270	1215

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	KENFACE CIRCUIT WEIGHT ROOM	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	KENFACE CIRCUIT BLENDER	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.13	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	KENFACE CIRCUIT ROLL ROOMS	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.18	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
023	LIME HANDLING SYSTEM-- DISCHARGE	345910	4388270	1215

Cntrol# 0120-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

Company Name: L MACKEDON & SONS INC
MACKEDON CONCRETE

Facility ID AP17710067
FacSeq: 0067

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.68	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CONCRETE BATCH PLANT	345670	4371090	

Cntrol# 0067-001 **Cntrol Desc:** BAGHOUSE / WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	30.00	3.00	68.00	

Company Name: L MACKEDON & SONS INC.

Facility ID AP17710068
FacSeq: 0068

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.68	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CONCRETE BATCH PLANT	350170	4364190	

Cntrol# 0068-001 **Cntrol Desc:** BAGHOUSE / WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	30.00	3.00	68.00	

Company Name: LOUISIANA PACIFIC CORPORATION
ENG WOOD PRODUCTS PLANT

Facility ID AP24390064
FacSeq: 0064

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
PM	3.03	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	LAMINATED VENEER LUMBER (LVL) MFG. LINES #1 & #2 (SRCS 1-32)	311000	4385830	

Cntrol# 0064-001 **Cntrol Desc:** PNEUMATIC DUST COLLECTION

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.52	LB/HR	28.67	10.99		
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM		LB/HR	32.00	1.50	72.00	37500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	RESIN SYSTEM FOR LVL MFG. LINE #1 & #2	311000	4385830	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	WOODEN "I"-JOIST MFG. LINE	311000	4385830	

Cntrol# 0064-001 **Cntrol Desc:** PNEUMATIC COLLECTION SYSTE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	10.00	1.00	0.00	

Cntrol# 0064-003 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.47	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	RESIN SYSTEM FOR WOODEN "I"-JOIST MFG. LINE	311000	4385830	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	SURFACE AREA DISTURBANCE	311000	4385830	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
906		311000	4385830	

Cntrol# 0064-906 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	31.99	1.51	600.80	

Company Name: LSP PRODUCTS GROUP INC

Facility ID AP30880365

FacSeq: 0365

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	1.20	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	RAW MATERIAL STORAGE SILO (S2.001)	265000	4341000	

Cntrol# 0365-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.24	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	RAW MATERIAL STORAGE SILO (S2.002)	265000	4341000	

Cntrol# 0365-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.24	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	RAW MATERIAL STORAGE SILO (S2.003)	265000	4341000	

Cntrol# 0365-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.24	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	RAW MATERIAL STORAGE SILO (S2.004)	265000	4341000	

Cntrol# 0365-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.24	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	RAW MATERIAL STORAGE SILO (S2.005)	265000	4341000	

Cntrol# 0365-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.24	LB/HR				

Company Name: MENEZES BROTHERS INC

Facility ID AP51530379

FacSeq: 0379

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
PM	4.00	LB/HR

1999	Sum Of Hr Emiss Lmt	Unit
PM	4.19	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	ALFALFA CUBER	271650	4376230	1408

Cntrol# 0379-001 **Cntrol Desc:** BUILDING ENCLOSURE & CURTA

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.00	LB/HR	32.80	3.28	0.00	1664.16
	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.00	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	FORGE GRINDING PROCESS	271645	4376230	1408

Cntrol# 0379-001 **Cntrol Desc:** MOISTURE CONTENT/ENCLOSED

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	MIXING PROCESS	271645	4376230	1408

Cntrol# 0379-001 **Cntrol Desc:** ENCLOSED CONVEY/GOOD OPER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	COMPACTION/ CUBING PROCESS	271645	4376230	1408

Cntrol# 0379-001 **Cntrol Desc:** ENCLOSED CONVEY/GOOD OPER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	AIR DRYING	271645	4376230	1408

Cntrol# 0379-001 **Cntrol Desc:** ENCLOSED CONVEY/GOOD OPER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CLAY GRINDING	271645	4376230	1408

Cntrol# 0379-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.06	LB/HR	32.81	3.28	0.00	1664.16

Company Name: M-I DRILLING FLUIDS COMPANY
CLIPPER MINE

Facility ID 1
FacSeq: 1

Associated Basin

Basin	Inside	Within 50 Km
64	☑	☐

Pollutant by system

Facility Pollutant Total

1977	Sum Of Hr Emiss Lmt	Unit
PM	23.54	LB/HR
2001	**Sum Of Hr Emiss Lmt**	**Unit**
PM	6.30	LB/HR
SO	0.14	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	System Loading	504921	4499801	1373

Cntrol# 0369-001 **Cntrol Desc:** System Loading

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.11	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	Hopper to Conveyor	504921	4499801	1373

Cntrol# 0369-002 **Cntrol Desc:** Hopper to Conveyor

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	Trommel Screen	504921	4499801	1373

Cntrol# 0369-003 **Cntrol Desc:** Trommel Screen

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	Jaw Crusher	504921	4499801	1373

Cntrol# 0369-004 **Cntrol Desc:** Crusher

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	17.11	LB/HR	32.81	3.28	-459.65	16.64

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.38	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	Cage Mill	504921	4499801	1373

Cntrol# 0369-005 **Cntrol Desc:** Cage Mill

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.47	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	Hoppers	504921	4499801	1373

Cntrol# 0369-006 **Cntrol Desc:** Hoppers

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	Bins # 1 and # 2 Load	504921	4499801	1373

Cntrol# 0369-007 **Cntrol Desc:** Bins #1 and # 2 Load

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	Glass Sand Bulk Loadout	504921	4499801	1373

Cntrol# 0369-008 **Cntrol Desc:** Glass Sand Bulk Loadout

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	Bins # 1 and # 2 Discharge	504921	4499801	1373

Cntrol# 0369-009 **Cntrol Desc:** Bins # 1 and # 2 Discharge

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	Transfer to Mills # 1, 2, 3, and 4	504921	4499801	1373

Cntrol# 0369-010 **Cntrol Desc:** Transfer to Mills # 1, 2, 3, and 4

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	#1 Raymond Mill	504921	4499801	1373

Cntrol# 0369-011 **Cntrol Desc:** # 1 Raymond Mill

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.81	3.28	-459.65	16.64

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.81	3.28	-459.65	16.64
SO	0.00	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	#2 Raymond Mill	504921	4499801	1373

Cntrol# 0369-012 **Cntrol Desc:** #2 Raymond Mill

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.25	LB/HR	32.81	3.28	-459.65	16.64

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	#3 Raymond Mill	504921	4499801	1373

Cntrol# 0369-013 **Cntrol Desc:** #3 Raymond Mill

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.25	LB/HR	32.81	3.28	-459.65	16.64

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	Raymond Mill # 4	504921	4499801	1373

Cntrol# 0369-014 **Cntrol Desc:** Raymond Mill #4

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.81	3.28	-459.65	16.64
SO	0.00	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	Load Tanks # 1 - # 4 via Screw Conveyor	504921	4499801	1373

Cntrol# 0369-015 **Cntrol Desc:** Load Tanks # 1 - # 4 via Screw Conve

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	Storage Tank # 1	504921	4499801	1373

Cntrol# 0369-016 **Cntrol Desc:** Storage Tank # 1

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	Storage Tank # 2	504921	4499801	1373

Cntrol# 0369-017 **Cntrol Desc:** Storage Tank # 2

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	Storage Tank # 3	504921	4499801	1373

Cntrol# 0369-018 **Cntrol Desc:** Storage Tank # 3

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.34	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	Blow Bottle Loadout	504921	4499801	1373

Cntrol# 0369-019 **Cntrol Desc:** Blow Bottle Loadout

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	Bulk Fines Loadout to Railcars	504921	4499801	1373

Cntrol# 0369-020 **Cntrol Desc:** Bulk Fines Loadout to Railcars

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	Packing Circuit	504921	4499801	1373

Cntrol# 0369-021 **Cntrol Desc:** Packing Circuit

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.45	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	Bulk # 2 Transfer to Loadout	504921	4499801	1373

Cntrol# 0369-022 **Cntrol Desc:** Bulk # 2 Transfer to Loadout

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	0.14	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
023	Bulk # 2 Loading	504921	4499801	1373

Cntrol# 0369-023 **Cntrol Desc:** Bulk # 2 Loading

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
024	Bulk # 2 Loadout to Trucks	504921	4499801	1373

Cntrol# 0369-024 **Cntrol Desc:** Bulk # 2 Loadout to Trucks

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
190	Jeffrey Hammer Mill/Drago Bag Collector	504921	4499801	1373

Cntrol# 0369-190 **Cntrol Desc:** Jeffrey Hammer Mill/Drago Bag Colle

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.63	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
191	Bulk Loading	504921	4499801	1373

Cntrol# 0369-191 **Cntrol Desc:** Bulk Loading

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.63	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
192	St. Regis Bag Packer/Drago Baghouse	504921	4499801	1373

Cntrol# 0369-192 **Cntrol Desc:** St. Regis Bag Packer/Drago Baghouse

Year: 1977

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	-459.65	16.64

Company Name: MISSION OF NEVADA
FERNLEY FACILITY

Facility ID AP72130698
FacSeq: 0698

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
PM	0.10	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	1.00	LB/HR
PM	0.10	LB/HR
SO	0.00	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	DIXON SCOTCH MARINE BOILER, MODEL WW6	310500	4386200	1255

Cntrol# 0698-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.10	LB/HR	32.81	3.28	71.60	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1.00	LB/HR	32.81	3.28	71.60	1664.16
PM	0.10	LB/HR	32.81	3.28	71.60	1664.16
SO	0.00	LB/HR	32.81	3.28	71.60	1664.16

Company Name: MOLTAN COMPANY

Facility ID AP14990384
FacSeq: 0384

Associated Basin

Basin	Inside	Within 50 Km
74	☑	☐
76	☐	☑
83	☐	☑

Pollutant by system

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
NO	18.38	LB/HR
PM	70.98	LB/HR
SO	13.25	LB/HR
1996	**Sum Of Hr Emiss Lmt**	**Unit**
SO	13.25	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	18.38	LB/HR
PM	71.10	LB/HR
SO	13.25	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	DIATOMACEOUS EARTH HANDLING SYSTEM	331560	4410130	1300

Cntrol# 0384-001 **Cntrol Desc:** ENCLOSURES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.50	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.50	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	BELT CONVEYOR	331560	4410130	1300

Cntrol# 0384-001 **Cntrol Desc:** ENCLOSURES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.20	LB/HR	32.81	3.28	0.00	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.20	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	TRAVELING GRATE KILN	331560	4410130	1300

Cntrol# 0384-001 **Cntrol Desc:** ELECTROSTATIC PRECIPITATOR

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	40.00	LB/HR	32.81	3.28	710.60	1664.16

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	40.00	LB/HR	32.81	3.28	710.60	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CRUSHING & SCREENING SYSTEM	331560	4410130	1300

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	DIATOMITE PROCESSING SYSTEM	331560	4410130	1300

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	LAND DISTURBANCE	331560	4410130	1300

Cntrol# 0384-001 **Cntrol Desc:** CHEMICAL STABILIZATION, WA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	ORE STORAGE (PF1.001-1.004)	331560	4410130	1300

Cntrol# 0384-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.84	LB/HR	32.80	3.30	0.00	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.84	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	CRUSHING & SCREENING SYSTEM	331560	4410130	1300

Cntrol# 0384-001 **Cntrol Desc:** FLEX KLEEN BAGHOUSE (#2)

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.43	LB/HR	24.00	1.03	0.00	2500.00
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.43	LB/HR	24.00	1.03	0.00	2500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	PRODUCT LINE	331560	4410130	1300

Cntrol# 0384-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	KILNS	331898	4410126	1300

Cntrol# 0384-001 **Cntrol Desc:** MAC BAGHOUSE (#4)

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	18.38	LB/HR	24.02	4.00	350.60	3021.87
PM	11.30	LB/HR	24.02	4.00	350.60	3021.87
SO	13.25	LB/HR	24.02	4.00	350.60	3021.87

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	13.25	LB/HR	24.02	4.00	350.60	3021.87

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	18.38	LB/HR	24.02	4.00	350.60	3021.87
PM	11.30	LB/HR	24.02	4.00	350.60	3021.87
SO	13.25	LB/HR	24.02	4.00	350.60	3021.87

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	DRY MATERIAL STORAGE (S2.013-2.018)	331898	4410126	1300

Cntrol# 0384-001 **Cntrol Desc:** COVERED CONVEYOR (VENTED

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.43	LB/HR	32.80	3.30	0.00	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.43	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	MILLING CIRCUIT	331898	4410128	1300

Cntrol# 0384-001 **Cntrol Desc:** JOY TECH ESP #3

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.05	LB/HR	65.00	4.13	71.60	3328.95

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.05	LB/HR	65.00	4.13	71.60	3328.95

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	PACKAGING SYSTEM	331898	4410126	1300

Cntrol# 0384-001 **Cntrol Desc:** MAC BAGHOUSE #5

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.16	LB/HR	40.00	4.00	0.00	35000.00

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.16	LB/HR	40.00	4.00	0.00	35000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	SURFACE AREA DISTURBANCE	331900	4416120	1300

Cntrol# 0384-001 **Cntrol Desc:** WATERING/CHEMICAL STABILIZ

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	10.00	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	TRUCK HOPPER LOADING	331898	4410126	1300

Cntrol# 0384-001 **Cntrol Desc:** BIN VENT ON THE TRUCK HOPPE

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	ORE XFER (PF1.005-1.006)	331898	4410126	1300

Cntrol# 0384-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.11	LB/HR	32.80	3.30	0.00	

Company Name: NANIWA ENERGY, LLC
NANIWA GENERATORS

Facility ID
FacSeq: 9004

Associated Basin

Basin	Inside	Within 50 Km
83	☑	☐

Facility Pollutant Total

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	Generator1	284210	4381355	1333

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	Generator2	284180	4381355	1326

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	Generator3	284149	4381355	1322

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	Generator4	284119	4381355	1319

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	Generator5	284088	4381355	1318

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	Generator6	284058	4381355	1318

Company Name: NEVADA CEMENT COMPANY
FERNLEY PLANT

Facility ID AP32410387
FacSeq: 0387

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Pollutant by system

Facility Pollutant Total

1982	Sum Of Hr Emiss Lmt	Unit
SO	91.18	LB/HR
1994	**Sum Of Hr Emiss Lmt**	**Unit**
NO	1104.80	LB/HR
PM	224.46	LB/HR
SO	91.18	LB/HR
1996	**Sum Of Hr Emiss Lmt**	**Unit**
SO	91.18	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	729.30	LB/HR
PM	31.24	LB/HR
SO	46.62	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	LIMESTONE TRUCK DUMP	350856	4388043	1261

Cntrol# 0387-001 **Cntrol Desc:** WET SUPPRESSION W/ SURFACT

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	24.90	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	PRIMARY CRUSHER CIRCUIT	305856	4388043	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 105)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.16	LB/HR	24.90	2.02	70.00	17500.00

Cntrol# 0387-002 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	21.03	LB/HR	29.86	1.97	100.13	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	SECONDARY SCREEN CIRCUIT	305869	4388004	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 108-2)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.32	LB/HR	54.10	1.92	70.00	12000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	SECONDARY CRUSHER CIRCUIT	305884	4388005	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC108-4)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.23	LB/HR	54.10	1.69	70.00	14500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	RAW MATERIAL STORAGE	305878	4387965	1261

Cntrol# 0387-001 **Cntrol Desc:** BUILDING ENCL. W/ WET DUST S

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	54.10	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	#1 RAW MILL OPERATIONS	305894	4387935	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 210)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1.14	LB/HR	69.91	2.99	179.60	1254.07
PM	6.00	LB/HR	69.91	2.99	179.60	1254.07
SO	0.01	LB/HR	69.91	2.99	179.60	1254.07

Cntrol# 0387-006 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	7.78	LB/HR	76.12	3.28	199.10	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	BLENDING OPERATIONS	305936	4387780	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 305)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.96	LB/HR	82.00	1.65	180.00	5640.00

Cntrol# 0387-007 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	20.40	LB/HR	100.07	0.98	100.10	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	#1 KILN FEED SYSTEM	305924	4387778	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 405)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.23	LB/HR	46.90	0.92	180.00	5016.00

Cntrol# 0387-008 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	10.32	LB/HR	52.82	0.98	100.10	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	#1 KILN CIRCUIT	305870	4387742	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 419)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	357.76	LB/HR	55.12	24.61	548.60	702069.38
PM	4.91	LB/HR	55.12	24.61	548.60	702069.38
SO	23.06	LB/HR	55.12	24.61	548.60	702069.38

Cntrol# 0387-009 **Cntrol Desc:**

Year: 1982

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	45.59	LB/HR	55.12	24.61	548.60	702069.38
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	552.40	LB/HR	55.12	24.61	548.60	702069.38
PM	23.11	LB/HR	55.12	24.61	548.60	702069.38
SO	45.59	LB/HR	55.12	24.61	548.60	702069.38
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
SO	45.59	LB/HR	55.12	24.61	548.60	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	#1 KILN KLINKER COOLER SYSTEM	305868	4387925	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 413)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	53.10	5.00	225.00	60000.00

Cntrol# 0387-010 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	52.13	LB/HR	42.98	4.92	199.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	#1 FINISH MILL	305844	4387929	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 510)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	65.00	2.00	160.00	18180.00

Cntrol# 0387-011 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.06	LB/HR	69.88	2.30	100.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	#2 RAW MILL OPERATIONS	305914	4387911	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 1914)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1.91	LB/HR	44.00	2.99	179.60	1254.07
PM	0.46	LB/HR	44.00	2.99	179.60	1254.07
SO	0.03	LB/HR	44.00	2.99	179.60	1254.07

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	#2 RAW MILL	305923	4387911	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC1914-2)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.23	LB/HR	29.90	2.30	180.00	16956.00

Cntrol# 0387-013 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.51	LB/HR	40.03	2.95	199.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	#2 KILN FEED SYSTEM	305891	4387772	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 2001)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.80	LB/HR	60.00	0.94	180.00	4200.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	#2 KILN CIRCUIT	305890	4387742	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 9109)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	368.49	LB/HR	83.01	7.87	500.00	23005.41
PM	4.91	LB/HR	83.01	7.87	500.00	23005.41
SO	23.52	LB/HR	83.01	7.87	500.00	23005.41

Cntrol# 0387-015 **Cntrol Desc:**

Year: 1982

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	45.59	LB/HR	83.01	7.87	500.00	23005.41

Year: 1985

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	552.40	LB/HR	83.01	7.87	500.00	23005.41
PM	14.20	LB/HR	83.01	7.87	500.00	23005.41
SO	45.59	LB/HR	83.01	7.87	500.00	23005.41

Year: 1986

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	45.59	LB/HR	83.01	7.87	500.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	#2 KILN CLINKER COOLER SYSTEM	305856	4387919	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 2021)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	64.00	3.94	225.00	60000.00

Cntrol# 0387-016 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	30.24	LB/HR	41.99	3.94	266.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	#2 KILN CLINKER COOLER HANDLING SYSTEM	305844	4387925	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 2102)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.60	LB/HR	52.00	1.67	70.00	6960.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	#2 FINISH MILL SYSTEM	305846	4387888	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 2207-1)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.50	LB/HR	65.00	3.00	160.00	35400.00

Cntrol# 0387-018 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.59	LB/HR	40.03	2.95	100.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	#3 FINISH MILL SYSTEMS	305836	4387885	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC2207-2)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.57	LB/HR	65.00	3.00	160.00	35400.00

Cntrol# 0387-019 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.59	LB/HR	40.03	2.95	100.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	CEMENT STORAGE SILO #7 TRANSFER	305799	4387841	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 601)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	119.10	0.90	180.00	3564.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	CEMENT STORAGE/LOADING SILO #1-6&8-11	305782	4387844	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 618)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.12	LB/HR	111.90	1.78	125.00	12360.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	CEMENT BULK LOADING	305707	4387823	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 618)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	117.10	0.94	180.00	3038.00

Cntrol# 0387-022 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	11.27	LB/HR	56.10	0.98	100.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
023	CEMENT BULK LOADING SILO #12 & 13	305701	4387826	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE 646-1

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.16	LB/HR	117.10	0.94	180.00	303.84

Cntrol# 0387-002 **Cntrol Desc:** BAGHOUSE 652

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.10	LB/HR	33.00	0.97	72.00	1717.20

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
024	PACKHOUSE	305704	4387843	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 710)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	48.90	0.94	70.00	4000.00

Cntrol# 0387-024 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.75	LB/HR	49.87	0.98	100.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
025	RAIL LOADOUT	305704	4387843	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 634-9)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.41	LB/HR	20.00	0.50	70.00	1000.00

Cntrol# 0387-002 **Cntrol Desc:** BAGHOUSE (DC 612)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.41	LB/HR	60.00	0.94	72.00	2000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
026	SOUTH TRUCK LOADOUT	305773	4387844	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE (DC 611)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.18	LB/HR	50.00	0.94	70.00	2000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
027	COAL/COKE STORAGE/HANDLING	305820	4387869	1261

Cntrol# 0387-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	72.00	

Cntrol# 0387-002 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	0.00	

Cntrol# 0387-003 **Cntrol Desc:** BUILDING ENCLOSURE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
028	CEMENT BULK LOADING - SILO #14 & 15	305701	4387826	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE 646-2

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.18	LB/HR	117.10	0.94	180.00	3038.40

Cntrol# 0387-002 **Cntrol Desc:** BAGHOUSE 646-3

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.52	LB/HR	117.10	0.94	180.00	3038.40

Cntrol# 0387-028 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	15.48	LB/HR	115.16	0.98	100.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
029	FLY ASH BULK LOADING	305704	4387843	1261

Cntrol# 0387-001 **Cntrol Desc:** BAGHOUSE 611

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	50.00	0.94	72.00	3000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
030	SURFACE AREA DISTURBANCE	305780	4387900	1261

Company Name: NEVADA CEMENT COMPANY.
FERNLEY CLASS I

Facility ID AP32410803
FacSeq: 0803

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	1.22	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	COAL/COKE HANDLING (RAIL UNLOADING)	305723	4387873	1255

Cntrol# 0803-001 **Cntrol Desc:** MOISTURE >=4%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	COAL/COKE HANDLING (PF 2702.1)	305741	4387880	1255

Cntrol# 0803-002 **Cntrol Desc:** MOISTURE CONTENT > 4%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	COAL/COKE HANDLING (PF 2703.1)	305752	4387857	1255

Cntrol# 0803-003 **Cntrol Desc:** MOITURE CONTENT > 4%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	COAL/COKE HANDLING (PF 2704.1)	305799	4387838	1255

Cntrol# 0803-004 **Cntrol Desc:** MOISTURE CONTENT > 4%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	COAL/COKE HANDLING (CONVEYER 2302 TO BELT TRIPPER 2303)	305800	4387830	1255

Cntrol# 0803-005 **Cntrol Desc:** MOISTURE CONTENT >4%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	COAL/COKE HANDLING (BELT TRIPPER 2303 TO INSIDE STORAGE 230)	305800	4387830	1255

Cntrol# 0803-006 **Cntrol Desc:** MOISTURE CONTENT > 4%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	COAL/COKE HANDLING (INSIDE STORAGE 2300-23A TO FEEDERS 2305)	305800	4387830	1255

Cntrol# 0803-007 **Cntrol Desc:** MOISTURE CONTENT >4%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	COAL/COKE HANDLING (FEEDERS 2305 TO CONVEYER 2306)	305800	4387830	1255

Cntrol# 0803-008 **Cntrol Desc:** MOISTURE CONTENT > 4%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	COAL/COKE HANDLING (CONVEYER 2306 TO CONVEYOR 2316)	305800	4387830	1255

Cntrol# 0803-009 **Cntrol Desc:** MOISTURE CONTENT >4%

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	COAL/COKE HANDLING (CONVEYOR 2307 TO COAL MILL#1 STORAGE BI	305800	4387830	1255

Cntrol# 0803-010 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	COAL/COKE HANDLING (STORAGE BIN 803 TO FEEDER BELT 804)	305800	4387830	1255

Cntrol# 0803-011 **Cntrol Desc:** BIN VENT FILTER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	COAL/COKE HANDLING (FEEDER BELT 804 TO COAL MILL#1 805)	305800	4387830	1255

Cntrol# 0803-012 **Cntrol Desc:** SEALED CONVEYOR ENCLOSUR

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	COAL/COKE HANDLING (CONVEYOR 2309 TO CONVEYOR 2307)	305800	4387830	1255

Cntrol# 0803-013 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	COAL/COKE HANDLING (CONVEYOR 2316 TO COAL MILL #2 2041,2307)	305800	4387830	1255

Cntrol# 0803-014 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	COAL/COKE HANDLING (STORAGE BIN2041 TO FEEDER BELT 2042)	305800	4387830	1255

Cntrol# 0803-015 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	COAL/COKE HANDLING (FEEDER BELT 2042 TO COAL MILL#1 2043)	305800	4387830	1255

Cntrol# 0803-016 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	PF 2801 - STORAGE TANK LOADING, UNLOADING	305775	4387895	1255

Cntrol# 0803-017 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.95	LB/HR	32.80	0.03	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	PF 2802 - FUGITIVE EMISSIONS	305775	4387895	1255

Cntrol# 0803-018 **Cntrol Desc:**

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	0.03	0.00	

Company Name: NEVADA THERMAL SERVICES, L.L.C.

Facility ID AP49530396

FacSeq: 0396

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Pollutant by system

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
NO	6.50	LB/HR
PM	3.44	LB/HR
SO	3.90	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	6.50	LB/HR
PM	3.87	LB/HR
SO	3.90	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	NORDBERG 3 DECK SCREEN	276020	4377690	1354

Cntrol# 0396-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.22	LB/HR	32.81	3.28	0.00	1663.31
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	0.05	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	FAB TEC SCREEN	276020	4377690	1354

Cntrol# 0396-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.72	LB/HR	32.81	3.28	0.00	1664.16

Cntrol# 0396-002 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	32.81	3.28	0.00	1663.31

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	ASTEC INCINERATOR	276020	4377690	1354

Cntrol# 0396-001 **Cntrol Desc:** CYCLONE - BAGHOUSE & AFTER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	6.50	LB/HR	27.33	7.71	320.00	21597.32
PM	3.10	LB/HR	27.33	7.71	320.00	21597.32
SO	3.90	LB/HR	27.33	7.71	320.00	21597.32

Cntrol# 0396-003 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	6.50	LB/HR	28.97	7.71	320.00	21597.32
PM	3.10	LB/HR	28.97	7.71	320.00	21597.32
SO	3.90	LB/HR	28.97	7.71	320.00	21597.32

Company Name: NEVADA WOOD PRESERVING

Facility ID AP24910095
FacSeq: 0095

Associated Basin

Basin	Inside	Within 50 Km
102	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	1.82	LB/HR
PM	0.18	LB/HR
SO	0.01	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	BOILER (MFG. BY BURNHAM) - SOURCE #1	309000	4362500	

Cntrol# 0095-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.61	LB/HR	32.80	1.00	600.00	
PM	0.05	LB/HR	32.80	1.00	600.00	
SO	0.00	LB/HR	32.80	1.00	600.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	BOILER (MFG. BY SELLERS) - SOURCE #2	309000	4362500	

Cntrol# 0095-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.47	LB/HR	26.00	1.00	600.00	
PM	0.04	LB/HR	26.00	1.00	600.00	
SO	0.00	LB/HR	26.00	1.00	600.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	BOILER (MFG BY CLEAVER BROOKS) - SOURCE #3	309000	4362500	

Cntrol# 0095-001 **Cntrol Desc:** MFG. GUIDELINES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.74	LB/HR	32.80	3.30	580.00	
PM	0.10	LB/HR	32.80	3.30	580.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	WOOD TREATING CYLINDERS & SOLUTION TANKS - SOURCES #4-7	307850	4361390	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	SURFACE AREA DISTURBANCE	309000	4362500	

Company Name: NEW AMERICAN TEC
FALLON PLATING OPERATION

Facility ID AP35440654
FacSeq: 0654

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	0.69	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CHEMICAL VAPOR DEPOSITION SYSTEM	348100	4390880	

Cntrol# 0654-001 **Cntrol Desc:** THERMAL OXIDIZER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.69	LB/HR	35.00	2.50	700.00	

Company Name: OAKLEY INC

Facility ID AP38510366

FacSeq: 0366

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	1.77	LB/HR
PM	0.21	LB/HR
SO	0.01	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PREHEAT FURNACE #1	279280	4345440	

Cntrol# 0366-001 **Cntrol Desc:** AFTERBURNER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.44	LB/HR				
PM	0.05	LB/HR				
SO	0.00	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	PREHEAT FURNACE #2	279280	4345440	

Cntrol# 0366-001 **Cntrol Desc:** AFTERBURNER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.44	LB/HR				
PM	0.05	LB/HR				
SO	0.00	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	PREHEAT FURNACE #3	279280	4345440	

Cntrol# 0366-001 **Cntrol Desc:** AFTERBURNER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.44	LB/HR				
PM	0.05	LB/HR				
SO	0.00	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	PREHEAT FURNACE #4	279280	4345440	

Cntrol# 0366-001 **Cntrol Desc:** AFTERBURNER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.44	LB/HR				
PM	0.05	LB/HR				
SO	0.00	LB/HR				

Company Name: OLIVER HILLS MINING COMPANY INC

Facility ID AP10410410
FacSeq: 0410

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	2.55	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	HAMMERMILL 4" MODEL CRUSHER & SCREEN	270480	4347600	

Cntrol# 0410-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	STATE OF MAINE MINING TILT FURNACE	270480	4347600	

Cntrol# 0410-001 **Cntrol Desc:** WET SCRUBBER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.90	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	SURFACE AREA DISTURBANCE	270480	4347600	

Cntrol# 0410-001 **Cntrol Desc:** CHEMICAL STABILIZATION, WA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CEDAR RAPIDS JAW CRUSHER (#16024)	270480	4347600	

Cntrol# 0410-001 **Cntrol Desc:** HIGH MOISTURE ORE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.54	LB/HR				

Cntrol# 0410-002 **Cntrol Desc:** FOGJET WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.54	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	EL JAY TRIPLE DECK SCREEN & CONVEYORS	270480	4347600	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	CEMENT SILO/AGGLOMORATOR/CONVEYORS	270480	4347600	

Cntrol# 0410-001 **Cntrol Desc:** BAGHOUSE (LOADING)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.25	LB/HR				

Cntrol# 0410-002 **Cntrol Desc:** GOOD OPERATING PRACTICES D

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.31	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	MARKO RADIAL STACKER	270480	4347600	

Company Name: O'SULLIVAN PLASTIC CORP

Facility ID AP30810412.01

FacSeq: 0412

Associated Basin

Basin	Inside	Within 50 Km
108	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
SO	9.00	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PLASTIC CALENDER	311670	4334970	1309

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	BULK SILOS	311670	4334870	1309

Cntrol# 0412-001 **Cntrol Desc:** GOOD OPERATING PRACTICES (L

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

Cntrol# 0412-002 **Cntrol Desc:** GOOD OPERATING PRACTICES (

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	BULK SILOS	311670	4334870	1309

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	PLASTICIZER SILO	311670	4334870	1309

Cntrol# 0412-001 **Cntrol Desc:** GOOD OPERATING PRACTICES (L

Year: 1999						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM		LB/HR	32.80	3.30	0.00	

Cntrol# 0412-002 **Cntrol Desc:** GOOD OPERATING PRACTICES (

Year: 1999						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM		LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	PLASTICIZER SILO	311670	4334870	1309

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	PLASTICIZER SILO	311670	4334870	1309

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	LAMINATOR	311670	4334870	1309

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	LEMBO 80" PRINTER	311670	4334870	1309

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	60" PRINTER	311670	4334870	1309

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	SCRAP GRINDER	311670	4334870	1309

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	KEWANEE BOILER	311670	4334870	1309

Cntrol# 0412-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO		LB/HR	32.80	3.30	0.00	
PM		LB/HR	32.80	3.30	0.00	
SO	9.00	LB/HR	32.80	3.30	0.00	

Company Name: OXBORROW TRUCKING
TRUCKEE RIVER CANYON PLANT

Facility ID AP14420413
FacSeq: 0413

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
PM	9.93	LB/HR

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.00	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	MARK II POWER SCREENPLANT (#2726793)	286840	4381770	1335

Cntrol# 0413-001 **Cntrol Desc:** WATER SPRAYS OR FUNCTIONA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.81	3.28	0.00	1664.16

Cntrol# 0413-01 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	8.73	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	HOME MADE SCREENING PLANT	281000	4381500	1320

Cntrol# 0413-002 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.20	LB/HR	32.81	3.28	0.00	1663.31

Company Name: POLYGLASS
FERNLEY FACILITY

Facility ID AP29520430
FacSeq: 0430

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	0.70	LB/HR
PM	13.28	LB/HR
SO	0.00	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	ASPHALT STORAGE & MIXING SYSTEM	310710	4386000	1256

Cntrol# 0430-001 **Cntrol Desc:** VENTURI SCRUBBER (MINERAL

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.20	LB/HR	39.60	2.64	70.00	15300.00

Cntrol# 0430-002 **Cntrol Desc:** VENTURI SCRUBBER (SMOOTH S

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.20	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	BOILERS	310710	4386000	1256

Cntrol# 0430-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.70	LB/HR	32.60	1.84	70.52	292.25
PM	0.05	LB/HR	32.60	1.84	70.52	292.25
SO	0.00	LB/HR	32.60	1.84	70.52	292.25

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	132 TON TALC/MAGNASITE SILO	310710	4386000	1256

Cntrol# 0430-001 **Cntrol Desc:** BAGHOUSE (LOADING)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.09	LB/HR	32.80	3.30	0.00	

Cntrol# 0430-002 **Cntrol Desc:** GOOD OPERATING PRACTICES (

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.11	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	TWO 12.5 TON TALC/MAGNASITE SILOS	310710	4386000	1256

Cntrol# 0430-001 **Cntrol Desc:** BAGHOUSE (LOADING)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.09	LB/HR	32.80	3.30	0.00	

Cntrol# 0430-002 **Cntrol Desc:** GOOD OPERATING PRACTICES (

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	DIATOMACEOUS EARTH STORAGE SILO	310710	4386000	1256

Cntrol# 0430-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	0.00	

Cntrol# 0430-002 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.46	LB/HR	32.80	3.30	0.00	

Company Name: QUEBECOR PRINTING FERNLEY
FERNLEY PRINTING PLANT

Facility ID AP27540726
FacSeq: 0726

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	16.58	LB/HR
PM	33.51	LB/HR
SO	0.08	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	ROTOGRAVURE PRESSES	310660	4386850	1256

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	LITHOGRAPHIC PRESSES - STACK	310660	4386850	1256

Cntrol# 0726-001 **Cntrol Desc:** THERMAL OXIDIZER (TO-001)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.51	LB/HR	32.80	3.30	0.00	
PM	0.26	LB/HR	32.80	3.30	0.00	
SO	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	LITHOGRAPHIC PRESSES - PROCESS FUG.	310660	4386850	1256

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CLEANING TANK	310660	4386850	1256

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	FINISHING TANKS #1 THROUGH #4 -STACK EMISSIONS	310660	4386855	1256

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	FINISHING TANKS #1 THROUGH #4 -PROCESS FUGITIVE EMISSIONS	310660	4386850	1256

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	PLATING TANKS #1 & #2	310660	4386850	1256

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	PAPER HANDLING (S2.014 -2.015)	310660	4386850	1256

Cntrol# 0726-001 **Cntrol Desc:** TWO BAGHOUSE(BH-001 & BH-00

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.58	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	STEAM BOILERS #1-3 (S2.016-2.018)	310660	4386850	1256

Cntrol# 0726-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	14.07	LB/HR	32.81	3.28	72.32	1664.16
PM	1.40	LB/HR	32.81	3.28	72.32	1664.16
SO	0.06	LB/HR	32.81	3.28	72.32	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	ABOVEGROUND STORAGE TANK #T1-T12(S2.026-2.038)	310660	4386850	1256

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	TOWEL DRYER	310800	4386610	1256

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	COGENERATION PLANT	310800	4386610	1256

Cntrol# 0726-001 **Cntrol Desc:** WATER INJECTION

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO		LB/HR	32.81	3.28	0.00	1664.16
PM	29.27	LB/HR	32.81	3.28	0.00	1664.16

Company Name: R MAX INC

Facility ID AP30860434

FacSeq: 0434

Associated Basin

Basin	Inside	Within 50 Km
76	☑	☐
83	☐	☑
85	☐	☑

Pollutant by system

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
NO	0.48	LB/HR
PM	0.02	LB/HR
SO	0.30	LB/HR
1996	**Sum Of Hr Emiss Lmt**	**Unit**
SO	0.03	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	0.48	LB/HR
PM	0.02	LB/HR
SO	0.03	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PROCESS HEATER	310650	4386000	1257

Cntrol# 0434-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.48	LB/HR	17.00	0.98	72.32	44.93
PM	0.02	LB/HR	17.00	0.98	72.32	44.93
SO	0.30	LB/HR	17.00	0.98	72.32	44.93
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
SO	0.03	LB/HR	17.00	0.98	72.32	44.93
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	0.48	LB/HR	17.00	0.98	72.32	44.93
PM	0.02	LB/HR	17.00	0.98	72.32	44.93
SO	0.03	LB/HR	17.00	0.98	72.32	44.93

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	PARTS CLEANING BOOTH	310660	4386000	1257

Company Name: REFUSE INC
LOCKWOOD LANDFILL/STATIONARY/PORTABLE

Facility ID AP99990180
FacSeq: 0180

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	23.82	LB/HR
PM	5.62	LB/HR
SO	2.60	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	BIOREMEDIATION - SURFACE AREA DISTURBANCE	275700	4373920	1515

Cntrol# 0180-001 **Cntrol Desc:** WATERING/CHEMICAL STABILIZ

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	WOODCHIPPER	274940	4376460	1515

Cntrol# 0180-001 **Cntrol Desc:** WATER TRUCK

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.34	LB/HR	32.80	3.28	0.00	1664.16

Cntrol# 0180-002 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	8.06	LB/HR	32.80	3.28	0.00	1664.16
PM	0.14	LB/HR	32.80	3.28	0.00	1664.16
SO	1.27	LB/HR	32.80	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	ASPHALT GRINDER	274940	4376460	1515

Cntrol# 0180-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.50	LB/HR	32.80	3.28	0.00	1664.16

Cntrol# 0180-002 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	15.76	LB/HR	32.80	3.28	0.00	1664.16
PM	1.64	LB/HR	32.80	3.28	0.00	1664.16
SO	1.33	LB/HR	32.80	3.28	0.00	1664.16

Company Name: RILITE AGGREGATE COMPANY

Facility ID

FacSeq: 9003

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
NO	36.20	LB/HR
PM	11.10	LB/HR
SO	137.70	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	RILITE_1	270000	4370000	1746

Cntrol# 9003-001 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	22.40	LB/HR	32.80	5.31	300.00	
PM	6.90	LB/HR	32.80	5.31	300.00	
SO	85.30	LB/HR	32.80	5.31	300.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	RILITE_2	270010	4370000	1746

Cntrol# 9003-002 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	13.80	LB/HR	32.80	5.31	300.00	
PM	4.20	LB/HR	32.80	5.31	300.00	
SO	52.40	LB/HR	32.80	5.31	300.00	

Company Name: RTP CO

Facility ID AP30870436

FacSeq: 0436

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	23.58	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PLASTIC EXTRUDER	279550	4347620	1310

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	DRY BLENDER & PLASTIC EXTRUDER	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX-KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	DRY BLENDER & PLASTIC EXTRUDER	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX-KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	DRY BLENDER & PLASTIC EXTRUDER	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX-KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	DRY BLENDER & PLASTIC EXTRUDER	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX-KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	DRY BLENDER & PLASTIC EXTRUDER	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX-KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	DRY BLENDER & PLASTIC EXTRUDER	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	DRY BLENDER & PLASTIC EXTRUDER	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	DRY BLENDER /BAG DUMP STATION/PLASTIC EXTRUDER CIRCUIT	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	DRY EXTRUDER/BAG UNLOADING CIRCUIT	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	AIR CLASSIFIER CIRCUIT	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.23	LB/HR	25.00	0.83	100.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	WITTE AIR CLASSIFIER	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	25.00	0.83	100.00	7200.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	PLASTIC EXTRUDER (LABORATORY) CIRCUIT	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	30 MM LAB SIZED PLASTIC EXTRUDER	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	PLASTIC LABORATORY EXTRUDER CIRCUIT	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** FLEX KLEEN BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.03	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	PYROLYSIS CLEANING FURNACE CIRCUIT	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** AFTERBURNER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	POSTBLENDERS CIRCUIT	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	8.92	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	ENVIRONMENTAL WORKSTATION CIRCUIT	279550	4347620	1310

Cntrol# 0436-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

Company Name: SIERRA METAL FINISHING

Facility ID AP34710047

FacSeq: 0047

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	0.03	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CHROME DRAGOUT TANK	264630	4338610	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	NICKEL DRAGOUT TANK	264630	4388610	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	NICKEL TANK	264630	4338610	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	BAKE OVEN	264630	4338610	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	PASSIVATE TANK	264630	4338610	

Cntrol# 0047-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.03	LB/HR	28.00	0.83	68.00	430.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	HARD CHROME PLATING TANK	264630	4338610	

Company Name: SIERRA PACIFIC POWER
TRACY

Facility ID AP49110194
FacSeq: 0194

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Pollutant by system

Facility Pollutant Total

1982	Sum Of Hr Emiss Lmt	Unit
SO	2536.97	LB/HR
1994	**Sum Of Hr Emiss Lmt**	**Unit**
NO	1936.70	LB/HR
PM	222.54	LB/HR
SO	2106.70	LB/HR
1996	**Sum Of Hr Emiss Lmt**	**Unit**
SO	2106.70	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	2029.63	LB/HR
PM	329.94	LB/HR
SO	2140.40	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	STEAM BOILER #1 (S2.001)	283256	4382309	1305

Cntrol# 0194-001 **Cntrol Desc:** GOOD COMBUSTION/OPERATING

Year: 1982

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	591.13	LB/HR	201.44	8.99	350.60	34233.23
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	461.00	LB/HR	201.44	8.99	350.60	34233.23
PM	46.00	LB/HR	201.44	8.99	350.60	34233.23
SO	527.00	LB/HR	201.44	8.99	350.60	34233.23
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
SO	527.00	LB/HR	201.44	8.99	350.60	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	461.00	LB/HR	201.44	8.99	350.60	34233.23
PM	46.00	LB/HR	201.44	8.99	350.60	34233.23
SO	527.00	LB/HR	201.44	8.99	350.60	34233.23

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	STEAM BOILER #2 (S2.002)	283230	4382314	1305

Cntrol# 0194-002 **Cntrol Desc:** GOOD COMBUSTION/OPERATING

Year: 1982

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	811.84	LB/HR	201.44	10.99	323.60	62564.88
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	634.00	LB/HR	201.44	10.99	323.60	62564.88
PM	64.00	LB/HR	201.44	10.99	323.60	62564.88
SO	724.00	LB/HR	201.44	10.99	323.60	62564.88
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
SO	724.00	LB/HR	201.44	10.99	323.60	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	634.00	LB/HR	201.44	10.99	323.60	62564.89
PM	128.00	LB/HR	201.44	10.99	323.60	62564.89
SO	724.00	LB/HR	201.44	10.99	323.60	62564.89

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	STEAM BOILER #3 (S2.003)	283198	4382273	1305

Cntrol# 0194-003 **Cntrol Desc:** GOOD COMBUSTION/OPERATING

Year: 1982

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	1134.00	LB/HR	300.20	8.99	312.80	34233.23

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	512.00	LB/HR	300.20	8.99	312.80	34233.23
PM	72.00	LB/HR	300.20	8.99	312.80	34233.23
SO	820.00	LB/HR	300.20	8.99	312.80	34233.23

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	820.00	LB/HR	300.20	8.99	312.80	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	512.00	LB/HR	300.20	8.99	312.80	34233.23
PM	72.00	LB/HR	300.20	8.99	312.80	34233.23
SO	820.00	LB/HR	300.20	8.99	312.80	34233.23

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	PT #1 & #2 (S2.004, S2.005) - EMERGENCY ONLY	283650	4382100	1305

Cntrol# 0194-004 **Cntrol Desc:** GOOD COMBUSTION/OPERATING

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	75.80	LB/HR	29.86	10.01	789.80	
PM	5.59	LB/HR	29.86	10.01	789.80	
SO	7.80	LB/HR	29.86	10.01	789.80	

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	7.80	LB/HR	29.86	10.01	789.80	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	CLARK MTN CT #3 (S2.006) "NORMAL"	283358	4382302	1305

Cntrol# 0194-005 **Cntrol Desc:** DRY LOW NOX (GAS)/WATER INJ

Year: 1994						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	124.60	LB/HR	54.99	13.85	973.40	125064.35
PM	15.00	LB/HR	54.99	13.85	973.40	125064.35
SO	16.20	LB/HR	54.99	13.85	973.40	125064.35
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
SO	16.20	LB/HR	54.99	13.85	973.40	
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	51.00	LB/HR	54.99	13.85	974.30	125064.37
PM	7.20	LB/HR	54.99	13.85	974.30	125064.37
SO	0.55	LB/HR	54.99	13.85	974.30	125064.37

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	PINION GASIFIER/CT/HRSG W/ 2 STARTUP HEATERS (SOURCE #8)	283159	4382292	1305

Cntrol# 0194-001 **Cntrol Desc:** HOT GAS CLEANUP SYSTEM

Year: 1999						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
PM	20.00	LB/HR	225.07	12.01	248.00	81590.48
SO	15.40	LB/HR	225.07	12.01	248.00	81590.48

Cntrol# 0194-002 **Cntrol Desc:** STEAM INJECTION

Year: 1999						
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
NO	141.00	LB/HR	225.07	12.01	248.00	81590.48

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	PINON PINE SULFATION COMBUSTOR (S2.013)	283159	4382309	1305

Cntrol# 0194-001 **Cntrol Desc:** IN-BED DESULFURIZATION/BAG

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	38.10	LB/HR	225.00	4.00	350.60	3021.87
PM	3.80	LB/HR	225.00	4.00	350.60	3021.87
SO	37.50	LB/HR	225.00	4.00	350.60	3021.87

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	PINON PINE COAL DRYER (S2.012)	283035	4382306	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE/GOOD OPERATING P

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.53	LB/HR	108.27	4.27	179.60	3656.17
PM	1.58	LB/HR	108.27	4.27	179.60	3656.17

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	FEED PRESSURIZATION HOPPER (S2.047)	283123	4382337	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO11A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.29	LB/HR	82.02	0.82	71.60	26.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	PINON PINE RAIL CAR UNLOADING STATION	282980	4382140	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.29	LB/HR	49.87	6.17	71.60	3250.32

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	COAL DAY BIN STORAGE SILO (S2.037)	283063	4382311	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO16A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	100.00	0.89	71.60	32.76

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	COAL PREPARATION (S2.025-S2.036)	283036	4382297	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO15A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	3.43	LB/HR	108.27	4.79	71.60	1254.07

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	RAW COAL DOME STORAGE (S2.021-S2.024)	282927	4382250	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO14A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.75	LB/HR	75.13	3.51	71.60	2038.67

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	COKE STORAGE SILO (S2.038)	283066	4382282	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO17A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	100.00	0.98	71.60	44.93

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	LIME STORAGE SILO (S2.039)	283068	4382297	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO18A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	100.07	0.98	71.60	44.93

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	SOLID WASTE STORAGE SILO (LOADING) (S2.048)	283069	4382263	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO19A-1)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.68	LB/HR	100.00	0.89	71.60	32.76

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	GASIFIER FEED VENT (SOURCE #20)	283113	4382288	1305

Cntrol# 0194-001 **Cntrol Desc:** VENT FILTER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.86	LB/HR	100.07	2.79	71.60	1022.01

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	SULFATOR DEPRESSURIZATION VENT (SOURCE #21)	283113	4382288	1305

Cntrol# 0194-001 **Cntrol Desc:** VENT FILTER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.10	LB/HR	69.88	0.82	71.60	26.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	SORBENT STORAGE HOPPER (S2.050)	283131	4382307	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO21A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	100.00	0.82	71.60	26.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	60,000 GAL DIESEL FUEL STORAGE TANK (SOURCE #23)	283300	4382100	1305

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	1,050,000 GAL DIESEL FUEL STORAGE TANK (SOURCE #24)	283300	4382100	1305

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
023	SURFACE AREA DISTURBANCE	283300	4382100	1305

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
027	CLARK MTN CT #4 (S2.007) "NORMAL"	283418	4382302	1305

Cntrol# 0194-001 **Cntrol Desc:** DRY LOW NOX (GAS)WATER INJ

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	51.00	LB/HR	55.00	13.85	806.00	125064.37
PM	14.40	LB/HR	55.00	13.85	806.00	125064.37
SO	0.55	LB/HR	55.00	13.85	806.00	125064.37

Cntrol# 0194-027 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	129.30	LB/HR	54.99	13.85	806.00	125064.35
PM	15.00	LB/HR	54.99	13.85	806.00	125064.35
SO	11.70	LB/HR	54.99	13.85	806.00	125064.35
	Hr Emiss Lmt	**Unit**	**StkHt**	**StkDiam**	**StkTemp(F)**	**StkFlow**
SO	11.70	LB/HR	54.99	13.85	973.40	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
030	PINON PINE CT #4, STARTUP HEATERS, WASTE GAS FLARE	283378	4382302	1305

Cntrol# 0194-001 **Cntrol Desc:** STEAM INJECTION(NOX), A HIGH

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	141.00	LB/HR	100.00	15.88	1800.00	4866.36
PM	0.12	LB/HR	100.00	15.88	1800.00	4866.36
SO	15.40	LB/HR	100.00	15.88	1800.00	4866.36

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
031	COAL,COKE & LIMESTONE FEEDING SYSTEM	283063	4382303	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO23A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.30	LB/HR	44.30	1.18	71.60	77.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
032	PINON PINE LIMESTONE FEED HOPPER (S2.046)	283123	4382337	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO12A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	82.00	0.49	71.60	5.62

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
033	SOLID WASTE STORAGE SILO (DISCHARGE) (S2.049)	283069	4382263	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO19A-2)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.22	LB/HR	32.81	3.28	71.60	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
034	FEED SURGE BIN (S2.051)	283123	4382337	1305

Cntrol# 0194-001 **Cntrol Desc:** BAGHOUSE (CO22A)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	82.00	0.82	71.60	26.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
035	UNITS #1 & #2 COOLING TOWER (S2.052)	282999	4382540	1305

Cntrol# 0194-001 **Cntrol Desc:** DRIFT ELIMINATORS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	9.78	LB/HR	51.84	27.99	71.60	1032864.47

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
036	UNITS #3 COOLING TOWER (S2.053)	283092	4382228	1305

Cntrol# 0194-001 **Cntrol Desc:** DRIFT ELIMINATORS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	9.92	LB/HR	54.46	24.02	71.60	652723.86

Cntrol# 0194-036 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.95	LB/HR	54.46	24.02	0.00	652724.02

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
037	UNIT #4 COOLING TOWER (S2.054)	283004	4382226	1305

Cntrol# 0194-001 **Cntrol Desc:** DRIFT ELIMINATORS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.22	LB/HR	49.87	22.01	71.60	652723.86

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
038	WASTE WATER COOLING TOWER (S2.055)	283041	4382079	1305

Cntrol# 0194-001 **Cntrol Desc:** DRIFT ELIMINATORS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.94	LB/HR	18.50	14.01	71.60	129562.66

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
039	2,200,000 GAL BLENDED FUEL STORAGE TANK (SOURCE #24)	315820	4332940	1305

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
040	2,200,000 GAL RESIDUAL OIL STORAGE TANK	283300	4382100	1305

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
041	2,200,000 GAL RESIDUAL OIL STORAGE TANK	283300	4382100	1305

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
042	2,200,000 GAL RESIDUAL OIL STORAGE TANK	283300	4382100	1305

Company Name: SIERRA PACIFIC POWER CO.
VALMY GENERATING STATION

Facility ID 7
FacSeq: 7

Associated Basin

Basin	Inside	Within 50 Km
64	☑	☐

Facility Pollutant Total

2001	Sum Of Hr Emiss Lmt	Unit
PM	981.06	LB/HR
SO	4802.93	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	Unit #1 Boiler	487130	4525593	1356

Cntrol# 0457-001 **Cntrol Desc:** Unit #1 Boiler

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	426.12	LB/HR	500.00	19.00	285.19	1119139.70
SO	3072.00	LB/HR	500.00	19.00	285.19	1119139.70

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	Unit #2 Boiler	487216	4525661	1356

Cntrol# 0457-001 **Cntrol Desc:** Unit #2 Boiler

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	466.65	LB/HR	450.13	16.99	203.00	974339.58
SO	1728.61	LB/HR	450.13	16.99	203.00	974339.58

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	Auxilliary Boiler	487101	4525463	1355

Cntrol# 0457-001 **Cntrol Desc:** Auxilliary Boiler

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.61	LB/HR	189.96	2.00	542.95	3506.39
SO	2.32	LB/HR	189.96	2.00	542.95	3506.39

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03A	Coal Handling System	487428	4525929	1357

Cntrol# 0457-001 **Cntrol Desc:** Rotary Stacker

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.13	LB/HR	11.00	1.50	-459.65	900.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03B	Coal Handling System	487429	4525867	1357

Cntrol# 0457-001 **Cntrol Desc:** Transfer tower A

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.31	LB/HR	62.99	0.90	-459.65	9000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03C	Coal Handling System	487374	4525867	1357

Cntrol# 0457-001 **Cntrol Desc:** Reclaim area hopper

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.60	LB/HR	18.01	1.30	-459.65	11000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03D	Coal Handling System	487317	4525814	1355

Cntrol# 0457-001 **Cntrol Desc:** Crusher tower

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.75	LB/HR	75.98	2.30	-459.65	12000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03E	Coal Handling System	487099	4525706	1350

Cntrol# 0457-001 **Cntrol Desc:** Transfer tower B

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.28	LB/HR	83.99	0.90	-459.65	8800.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03F	Coal Handling System	487173	4525449	1356

Cntrol# 0457-001 **Cntrol Desc:** Tripper area hopper

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.28	LB/HR	191.01	0.90	-459.65	8800.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03G	Coal Handling System	487173	4525449	1356

Cntrol# 0457-001 **Cntrol Desc:** #1 Coal Silos A & B

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.75	LB/HR	170.00	1.20	-459.65	12000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03H	Coal Handling System	487173	4525449	1356

Cntrol# 0457-001 **Cntrol Desc:** #1 Coal Silos C & D

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.75	LB/HR	170.00	1.20	-459.65	12000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03I	Coal Handling System	487173	4525449	1356

Cntrol# 0457-001 **Cntrol Desc:** #2 Coal Silos A & B

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.00	LB/HR	149.00	1.40	-459.65	13760.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
03J	Coal Handling System	487173	4525449	1356

Cntrol# 0457-001 **Cntrol Desc:** #2 Coal Silos C & D

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.00	LB/HR	149.00	1.40	-459.65	13760.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
04K	Circulating Water Treatment System	487434	4525461	1357

Cntrol# 0457-001 **Cntrol Desc:** #1 soda ash storage bin

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	74.00	0.50	-459.65	960.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
04L	Circulating Water Treatment System	487435	4525452	1357

Cntrol# 0457-001 **Cntrol Desc:** #1 magnesium oxide storage bin

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	74.00	0.50	-459.65	960.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
04M	Circulating Water Treatment System	487447	4525461	1357

Cntrol# 0457-001 **Cntrol Desc:** #2 soda ash storage bin

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	74.00	1.20	-459.65	960.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
04N	Circulating Water Treatment System	487448	4525454	1357

Cntrol# 0457-001 **Cntrol Desc:** #2 magnesium oxide storage bin

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	74.00	1.20	-459.65	960.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
05P	Fly Ash Handling System	487128	4525637	1351

Cntrol# 0457-001 **Cntrol Desc:** #1 unit fly ash silo

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.38	LB/HR	86.00	0.80	-459.65	2640.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
05Q	Fly Ash Handling System	487211	4525734	1350

Cntrol# 0457-001 **Cntrol Desc:** #2 unit fly ash silo

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.38	LB/HR	86.00	0.80	-459.65	2640.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
06R	Unit 2 Lime Scrubber System	487193	4525544	1354

Cntrol# 0457-001 **Cntrol Desc:** Scrubber - loop 1 lime day storage bin

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.41	LB/HR	77.00	1.40	-459.65	2800.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
06S	Unit 2 Lime Scrubber System	487208	4525544	1354

Cntrol# 0457-001 **Cntrol Desc:** Scrubber - loop 2 lime day storage bin

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.41	LB/HR	77.00	1.40	-459.65	2800.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
06T	Unit 2 Lime Scrubber System	487223	4525544	1355

Cntrol# 0457-001 **Cntrol Desc:** Scrubber - loop 1 recycle ash day stora

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.74	LB/HR	83.00	1.80	-459.65	5100.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
06U	Unit 2 Lime Scrubber System	487238	4525544	1355

Cntrol# 0457-001 **Cntrol Desc:** Scrubber - loop 2 recycle ash day stora

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.74	LB/HR	83.00	1.80	-459.65	5100.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
06V	Unit 2 Lime Scrubber System	487281	4525705	1351

Cntrol# 0457-001 **Cntrol Desc:** West lime storage silo

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	95.00	1.60	-459.65	960.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
06W	Unit 2 Lime Scrubber System	487288	4525709	1351

Cntrol# 0457-001 **Cntrol Desc:** East lime storage silo

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	95.00	1.60	-459.65	960.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
07X	Cooling Tower System	487288	4525709	1351

Cntrol# 0457-001 **Cntrol Desc:** Unit#1 Cooling tower

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	34.01	LB/HR	32.81	29.53	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
07Y	Cooling Tower System	487383	4525565	1356

Cntrol# 0457-001 **Cntrol Desc:** Unit#2 Cooling tower

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	33.91	LB/HR	32.81	29.53	-459.65	16.64

Company Name: SIERRA PACIFIC POWER COMPANY
FORT CHURCHILL STATION

Facility ID AP49110091
FacSeq: 0091

Associated Basin

Basin	Inside	Within 50 Km
108	☑	☐
76	☐	☑
83	☐	☑

Pollutant by system

Facility Pollutant Total

1994	Sum Of Hr Emiss Lmt	Unit
NO	1199.04	LB/HR
PM	125.28	LB/HR
SO	2135.00	LB/HR
1996	**Sum Of Hr Emiss Lmt**	**Unit**
SO	2135.00	LB/HR
1999	**Sum Of Hr Emiss Lmt**	**Unit**
NO	2111.68	LB/HR
PM	306.10	LB/HR
SO	2111.68	LB/HR

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	SURFACE AREA DISTURBANCE	315770	4332960	1313

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	BOILER #1	315770	4332960	1313

Cntrol# 0091-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1055.84	LB/HR	164.01	10.99	323.96	62564.89
PM	153.00	LB/HR	164.01	10.99	323.96	62564.89
SO	1055.84	LB/HR	164.01	10.99	323.96	62564.89

Cntrol# 0091-002 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	599.52	LB/HR	164.01	10.99	323.60	62564.88
PM	62.64	LB/HR	164.01	10.99	323.60	62564.88
SO	1067.50	LB/HR	164.01	10.99	323.60	62564.88

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	1067.50	LB/HR	164.01	10.99	323.60	62564.88

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	BOILER #2	315770	4332960	1313

Cntrol# 0091-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1055.84	LB/HR	164.01	10.99	323.96	62564.89
PM	153.10	LB/HR	164.01	10.99	323.96	62564.89
SO	1055.84	LB/HR	164.01	10.99	323.96	62564.89

Cntrol# 0091-003 **Cntrol Desc:**

Year: 1994

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	599.52	LB/HR	164.01	10.99	323.60	62564.88
PM	62.64	LB/HR	164.01	10.99	323.60	62564.88
SO	1067.50	LB/HR	164.01	10.99	323.60	62564.88

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
SO	1067.50	LB/HR	164.01	10.99	323.60	62564.88

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	COMBUSTION TURBINE #1	315770	4332960	1313

Cntrol# 0091-001 **Cntrol Desc:** MULTI-NOZZLE WATER INJECTI

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO		LB/HR	54.99	13.78	1020.47	123294.62
PM		LB/HR	54.99	13.78	1020.47	123294.62
SO		LB/HR	54.99	13.78	1020.47	123294.62

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	COMBUSTION TURBINE #2	315770	4332960	1313

Cntrol# 0091-001 **Cntrol Desc:** MULTI NOZZLE WATER INJECTI

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO		LB/HR	54.99	13.78	1020.47	123294.62
PM		LB/HR	54.99	13.78	1020.47	123294.62
SO		LB/HR	54.99	13.78	1020.47	123294.62

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	2.2 MMGAL OIL STORAGE TANK	315770	4332960	1313

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	2.2 MMGAL OIL STORAGE TANK	315770	4332960	1313

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	2.2 MMGAL OIL STORAGE TANK	315770	4332960	1313

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	1,266,070 GAL OIL STORAGE TANK	315770	4332960	1313

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	AUXILIARY BOILER	315820	4332940	1313

Cntrol# 0091-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO		LB/HR	32.80	3.30	0.00	
PM		LB/HR	32.80	3.30	0.00	
SO		LB/HR	32.80	3.30	0.00	

Company Name: SILVER SPRINGS AGGREGATES
SILVER SPRINGS/SATAIONARY/PORTABLE

Facility ID AP14420765
FacSeq: 0765

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.35	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PRIMARY CRUSHING (FEEDER & CRUSHER)	309620	4366080	

Cntrol# 0765-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CONVEYOR	309620	4366080	

Cntrol# 0765-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	2'X30' CONVEYOR TRANSFER TO HOPPER	309620	4366080	

Cntrol# 0765-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	HOPPER TO CONVEYOR TO SCREEN	309620	4366080	

Cntrol# 0765-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	SCREEN	309620	4366080	

Cntrol# 0765-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.11	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CONVEYORS TO STOCKPILES	309620	4366080	

Cntrol# 0765-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	SURFACE AREA DISTURBANCE	309620	4366080	

Cntrol# 0765-001 **Cntrol Desc:** WATERING/CHEMICAL STABILIZ

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

Company Name: SODA LAKE LIMITED PARTNERSHIP & AMOR IX
SODA LAKE GEOTHERMAL II PARTNERSHIP

Facility ID AP49110464
FacSeq: 0464

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	66.39	LB/HR
PM	7.18	LB/HR
SO	8.52	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	GEOTHERMAL POWER PLANT - SODA LAKE #2	346260	4379610	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SURFACE AREA DISTURBANCE	341260	4379610	

Cntrol# 0464-001 **Cntrol Desc:** CHEMICAL STABILIZATION, WA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	EMERGENCY GENERATOR - SODA LAKE #1	340260	4380000	

Cntrol# 0464-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	21.27	LB/HR	16.00	6.00	955.40	3602.10
PM	1.50	LB/HR	16.00	6.00	955.40	3602.10
SO	1.40	LB/HR	16.00	6.00	955.40	3602.10

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	EMERGENCY GENERATOR - SODA LAKE #2	340260	4380000	

Cntrol# 0464-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	45.12	LB/HR	32.80	3.30	0.00	
PM	0.81	LB/HR	32.80	3.30	0.00	
SO	7.12	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	FOUR-CELL COOLING TOWER - COMMON TO SODA LAKE 1 & 2	340260	4380000	

Cntrol# 0464-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.88	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	GEOTHERMAL POWER PLANT - SODA LAKE #1	340260	4380000	

Company Name: SPECIALTY CLAYS
FALLON BENTONITE PROJECT

Facility ID AP14520738
FacSeq: 0738

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	39.17	LB/HR
PM	10.59	LB/HR
SO	29.91	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PUG MILL AND SHREDDER CIRCUIT	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.17	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	GENERATOR FOR PUGMILL/SHREDDER	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	3.09	LB/HR	6.00	0.33	984.00	615.00
PM	0.00	LB/HR	6.00	0.33	984.00	615.00
SO	0.20	LB/HR	6.00	0.33	984.00	615.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	LOADOUT BIN (OPTION)	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.64	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	STOCKPILES (OPTION)	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	ROTARY DRYER & DISCH. TO CONVEYOR C-2	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.86	LB/HR	30.00	3.00	260.00	34000.00

Cntrol# 0738-002 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	7.40	LB/HR	32.80	3.30	0.00	
PM	0.74	LB/HR	32.80	3.30	0.00	
SO	26.27	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CRUSHING AND SCREENING	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	SCREENS	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** COMPLETE ENCLOSURE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	LOADOUT BIN OPTION	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.66	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	STOCKPILE OPTION	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	LOADOUT BINS OPTION	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.27	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	STOCKPILE OPTION	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** WATER FOGGING SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	DIESEL GENERATOR, 680 KW	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	16.89	LB/HR	32.80	3.30	0.00	
PM	0.02	LB/HR	32.80	3.30	0.00	
SO	2.67	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	DIESEL GENERATOR, 350 KW	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	11.79	LB/HR	32.80	3.30	0.00	
PM	0.02	LB/HR	32.80	3.30	0.00	
SO	0.78	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	LAND DISTURBANCE	365000	4362000	

Cntrol# 0738-001 **Cntrol Desc:** WATERING/CHEMICAL STABILIZ

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.30	0.00	

Company Name: SYLVAN AMERICA INC
DAYTON FACILITY

Facility ID AP01820473.01
FacSeq: 0473

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	1.81	LB/HR
PM	1.31	LB/HR
SO	0.01	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	TRUCK UNLOAD, AUGER TRANSFER, BUCKET ELEVATOR	279380	4345700	

Cntrol# 0473-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.40	LB/HR	33.00	3.30	68.00	168.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CLEAVER BROOKS NATURAL GAS FIRED BOILER	279380	4345700	

Cntrol# 0473-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1.21	LB/HR	34.00	1.33	400.00	
PM	0.09	LB/HR	34.00	1.33	400.00	
SO	0.01	LB/HR	34.00	1.33	400.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	CLEAVER BROOKS NATURAL GAS FIRED BOILER	279380	4345700	

Cntrol# 0473-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.60	LB/HR	34.00	1.33	400.00	
PM	0.00	LB/HR	34.00	1.33	400.00	
SO	0.00	LB/HR	34.00	1.33	400.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CALCIUM CARBONATE SILO	279380	4345700	

Cntrol# 0473-001 **Cntrol Desc:** ULTRA FABRI-JET BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.04	LB/HR	32.80	3.30	72.00	237.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	SILO DISCHARGE TO CHAIN CONVEY & XFER TO PRODUCTION BLENDE	279380	4345700	

Cntrol# 0473-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.78	LB/HR	38.00	1.25	72.00	5200.00

Company Name: T E BERTAGNOLLI & ASSOCIATES
OLD BRUNSWICK MILL

Facility ID AP16110083
FacSeq: 0083

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	52.90	LB/HR
PM	17.89	LB/HR
SO	3.51	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	VIBRATING GRIZZLY	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.85	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	JAW CRUSHER	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.51	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	CONE CRUSHER	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.34	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CONE CRUSHER	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.65	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	CONE CRUSHER	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.43	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	TRIPLE DECK SCREEN	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.85	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	TWO DECK SCREEN	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.85	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	CRUSHING CIRCUIT GENERATOR	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	20.65	LB/HR				
PM	1.47	LB/HR				
SO	1.37	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	ASPHALT BATCH PLANT	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** WET SCRUBBER

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.54	LB/HR	30.00	4.50	425.30	35000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	GENERATOR AT ASPHALT PLANT	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	20.65	LB/HR				
PM	1.47	LB/HR				
SO	1.37	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	LIME SILO	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** SUBMERGED VENTILATION DO

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR				

Cntrol# 0083-002 **Cntrol Desc:** WATER SPRAYS (DISCHARGING)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.11	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	CONCRETE BATCH PLANT	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** BAGHOUSE (LOADING)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR				

Cntrol# 0083-002 **Cntrol Desc:** ENCLOSURE OF CHUTE (DISCHA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.85	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	GENERATOR	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	11.60	LB/HR				
PM	0.83	LB/HR				
SO	0.77	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	LAND DISTURBANCE - 58 ACRES	279090	4346380	

Cntrol# 0083-001 **Cntrol Desc:** CHEMICAL STABILIZATION - WA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR				

Company Name: TAIYO AMERICA INC

Facility ID AP28930476

FacSeq: 0476

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.53	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	BUHLER 3 ROLL INK MILL W/ MIXERS & TUBS	267000	4340290	

Cntrol# 0476-001 **Cntrol Desc:** AMERICAN AIR FILTER, OPTIFLO

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	20.00	1.20	70.00	44.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	WEIGHING /MIXING AREA	267500	4340500	

Cntrol# 0476-001 **Cntrol Desc:** SYNDER GENERAL/AIR FILTER D

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.53	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	MILL. ADJUSTING & PACKAGING AREAS	267500	4340500	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	WEIGHING/MIXING AREA	267500	4340500	

Cntrol# 0476-001 **Cntrol Desc:** AIR FILTER DUST COLLECTOR

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	MILL, ADJUSTING & PACKAGING AREAS	267000	4340290	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	SURFACE AREA DISTURBANCE	267000	4340290	

Company Name: TALAPOOSA MINING INC.

Facility ID AP10410610

FacSeq: 0610

Associated Basin

Basin	Inside	Within 50 Km
102	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	0.52	LB/HR
PM	9.06	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	PRIMARY GYRATORY CRUSHER	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.12	LB/HR	32.80	3.30	72.00	4000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	SECONDARY CONE CRUSHER	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.25	LB/HR	32.80	3.30	72.00	4000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	VIBRATORY ROCK SCREEN	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.13	LB/HR	32.80	3.30	72.00	9000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	CONE AND SCREEN FEED BELTS	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.29	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	FINE HEAD CONE CRUSHER	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.25	LB/HR	32.80	3.30	72.00	4000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	VIBRATORY ROCK SCREEN	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.13	LB/HR	32.80	3.30	72.00	9000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	CONVEYOR TRANSFER #18-#21, #23	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.72	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	RADIAL STACKER	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	RECLAIM FEEDERS	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.29	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	IMPACT CRUSHERS	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.37	LB/HR	32.80	3.30	72.00	6000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	VIBRATORY ROCK SCREENS	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR	32.80	3.30	72.00	8000.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	CONVEYOR & STACKER	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.58	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	CONVEYORS #40 & #41	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.29	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	LIME SILO	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.22	LB/HR	32.80	3.30	0.00	

Cntrol# 0610-002 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
015	LIME SILO	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.22	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
016	AGGLOMERATOR FEED CIRCUIT	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.28	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
017	HEAP LEACH CONVEYORS AND STACKER	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	4.64	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
018	MELTING FURNACE	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** SCRUBBER SYSTEM

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.31	LB/HR	32.80	3.30	0.00	
PM	0.04	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
019	MERCURY RETORT	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** SCRUBBER SYSTEM

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.15	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
020	LABORATORY SAMPLE PREP	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
021	ASSAY LAB FURNACES	305000	4370000	

Cntrol# 0610-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.06	LB/HR	32.80	3.30	0.00	
PM	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
022	SURFACE AREA DISTURBANCE	305000	4370000	

Company Name: Test Power Plant
Barrick

Facility ID 49119999
FacSeq: 9999

Associated Basin

Basin	Inside	Within 50 Km
83	☑	☐
85	☐	☑

Facility Pollutant Total

2001	Sum Of Hr Emiss Lmt	Unit
NO	1025.00	LB/HR
PM	306.00	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	boiler_1	277215	4372259	1629

Cntrol# 001 **Cntrol Desc:** Boiler1

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	1025.00	LB/HR	164.00	11.00	324.00	52565.00
PM	153.00	LB/HR	164.00	11.00	324.00	52565.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	boiler_2	277220	4372269	1629

Cntrol# 001 **Cntrol Desc:** Boiler 2

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	153.00	LB/HR	164.00	11.00	324.00	62565.00

Company Name: THERMAL REMEDIATION SOLUTIONS LLC

Facility ID AP99990841

FacSeq: 0841

Associated Basin

Basin	Inside	Within 50 Km
76	☐	☑
83	☑	☐
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	2.33	LB/HR
PM	1.12	LB/HR
SO	0.00	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	CONTAMINATED SOIL FEED	274900	4374500	1403

Cntrol# 0841-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.72	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	THERMAL DESORPTION UNIT WITH AFTERBURNER	274900	4374500	1403

Cntrol# 0841-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.33	LB/HR	32.81	3.28	0.00	1664.16
PM	0.07	LB/HR	32.81	3.28	0.00	1664.16
SO	0.00	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	MIXER COOLER & SOIL DISCHARGE	274900	4374500	1403

Cntrol# 0841-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.34	LB/HR	32.81	3.28	0.00	1664.16

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	SURFACE AREA DISTURBANCE	274900	4374500	1403

Company Name: UNITED ENGINE & MACHINE COMPANY

Facility ID AP35920011

FacSeq: 1128

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐

Facility Pollutant Total

Pollutant by system

Company Name: UNITED GILSONITE LABORATORIES

DAYTON FACILITY

Facility ID AP28510706

FacSeq: 0706

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.96	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	MIXING TANKS	277980	4352160	

Cntrol# 0706-001 **Cntrol Desc:** DRY DUST COLLECTOR, MIKRO-

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.96	LB/HR	32.80	3.30	72.00	5600.00

Company Name: UNITED STATES NAVAL AIR STATION FALLON
NAS FALLON

Facility ID AP97110293
FacSeq: 0293

Associated Basin

Basin	Inside	Within 50 Km
101	☑	☐
76	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	13.11	LB/HR
PM	1.08	LB/HR
SO	1.59	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	INCINERATOR	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.07	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	GATX/REPUBLIC FUEL STORAGE TANK	352360	4365350	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	BURNHAM/KEWANEE BOILER	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** LOW NOX BURNER (BURNING JP

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.14	LB/HR				
PM	0.21	LB/HR				
SO	1.52	LB/HR				

Cntrol# 0293-002 **Cntrol Desc:** LOW NOX BURNER (BURNING N

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.10	LB/HR	32.80	3.30	0.00	
PM	0.21	LB/HR	32.80	3.30	0.00	
SO	0.01	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	BOILER, ENGINEERING & SUPPLY, SN 15496	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.02	LB/HR				
PM	0.09	LB/HR				
SO	0.01	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	BOILER, ENGINEERING & SUPPLY, SN 15506	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.02	LB/HR				
PM	0.09	LB/HR				
SO	0.01	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	BOILER, ENGINEERING & SUPPLY, SN 15507	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	2.02	LB/HR				
PM	0.09	LB/HR				
SO	0.01	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	BOILER, ORR & SEMBOWER, SN 5140005	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.96	LB/HR				
PM	0.10	LB/HR				
SO	0.03	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	BOILER, CLEAVER-BROOKS, SN L83652	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.50	LB/HR				
PM	0.06	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	BOILER, CLEAVER-BROOKS, SN L83651	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.50	LB/HR				
PM	0.06	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	BOILER, MUNDS "SCOTCH", SN 11736	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	0.85	LB/HR				
PM	0.10	LB/HR				

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	IN-SITU BIOREMEDIATION STUDY	352360	4365350	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	RESOURCE DEVELOPMENT FUEL STORAGE TANK	352170	4365950	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
013	STORAGE TANK FOR JP-8 JET FUEL	352360	4365350	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
014	ABRASIVE MEDIA BLAST BOOTH	352360	4365350	

Cntrol# 0293-001 **Cntrol Desc:** BAGHOUSE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

Company Name: VAQUERO SUPPLEMENT

Facility ID AP20480081.01

FacSeq: 0081

Associated Basin

Basin	Inside	Within 50 Km
102	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	1.60	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	STORAGE SILOS	309210	4365640	

Cntrol# 0081-001 **Cntrol Desc:** BAGHOUSE & CYCLONE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.24	LB/HR	24.00	0.83	500.00	46.60

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	TRUCK UNLOADING TO PIT	310130	4366330	

Cntrol# 0081-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.03	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	STORAGE BINS	310130	4366330	

Cntrol# 0081-001 **Cntrol Desc:** CECUCLING DISPLACED AIR DU

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	HAMMERMILL	310130	4366330	

Cntrol# 0081-001 **Cntrol Desc:** BAGHOUSE & CYCLONE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.62	LB/HR	32.80	3.30	72.00	3500.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	BUCKET ELEVATOR	310130	4366330	

Cntrol# 0081-001 **Cntrol Desc:** A BUILDING ENCLOSURE

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.02	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	STORAGE BINS & BULK LOADOUT, SACKER, OR MAIN MIXER	310130	4366330	

Cntrol# 0081-001 **Cntrol Desc:** DUCTED BY RECYCLING DISPLA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.41	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	STORAGE SILOS & ROOF MIXER	310130	4366330	

Cntrol# 0081-001 **Cntrol Desc:** DUCTED BY RECYCLING DISPLA

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.10	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	STORAGE SILOS & PADDLE MIXER	310130	4366330	

Cntrol# 0081-001 **Cntrol Desc:** DUCTED BY RECYCLING OF DISP

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	BULK LOADING TO TRUCKS	310130	4366330	

Cntrol# 0081-001 **Cntrol Desc:** DUCTED BY RECYCLING OF DISP

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.00	LB/HR	32.80	3.30	0.00	

Company Name: WESTERN ASH COMPANY
VALMY PLANT SITE

Facility ID 8
FacSeq: 8

Associated Basin

Basin	Inside	Within 50 Km
64	☑	☐

Facility Pollutant Total

2001	Sum Of Hr Emiss Lmt	Unit
PM	0.41	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
075	Fly Ash Handling System	488600	4525240	1359

Cntrol# 008-075 **Cntrol Desc:** transfer to trucks

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.27	LB/HR	32.81	3.28	-459.65	16.64

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
076	Railcar Loading System	488600	4525240	1359

Cntrol# 008-076 **Cntrol Desc:** railcar loading

Year: 2001

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.81	3.28	-459.65	16.64

Company Name: WESTERN STATES GEOTHERMAL COMPANY
DESERT PEAK GEOTHERMAL COMPANY

Facility ID AP49110503
FacSeq: 0503

Associated Basin

Basin	Inside	Within 50 Km
75	☑	☐
76	☐	☑
83	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.05	LB/HR
SO	0.01	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	GEOTHERMAL POWER PLANT	332800	4402000	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	GEOTHERMAL POWER PLANT	332800	4402000	

Cntrol# 0503-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.05	LB/HR	32.80	3.30	0.00	
SO	0.01	LB/HR	32.80	3.30	0.00	

Company Name: WESTERN STATES GYPSUM
ADAMS CLAIM GYPSUM MINE

Facility ID AP14990504
FacSeq: 0504

Associated Basin

Basin	Inside	Within 50 Km
103	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
NO	10.15	LB/HR
PM	114.05	LB/HR
SO	1.60	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	THREE GYPSUM STORAGE SILOS	267570	4345620	1664

Cntrol# 0504-001 **Cntrol Desc:** BAGHOUSES (LOADING)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	7.20	LB/HR	38.00	3.30	68.00	2.82

Cntrol# 0504-002 **Cntrol Desc:** BAGHOUSES (DISCHARGE)

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	5.40	LB/HR	38.00	3.30	68.00	2.82

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	CRUSHING & SCREENING CIRCUIT	267570	4345620	1664

Cntrol# 0504-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	6.16	LB/HR	33.00	3.30	68.00	2.82

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	HAMMERMILL CRUSHER	267570	4345620	1664

Cntrol# 0504-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.38	LB/HR	33.00	3.30	68.00	2.82

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	VIBRATING SCREEN	267570	4345620	1664

Cntrol# 0504-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	2.70	LB/HR	33.00	3.30	68.00	2.82

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
005	TERTIARY CRUSHER	267570	4345620	1664

Cntrol# 0504-001 **Cntrol Desc:** FOGGING WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.26	LB/HR	33.00	3.30	68.00	2.82

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
006	CRUSHING & SCREENING OPERATION	268730	4345440	1664

Cntrol# 0504-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.39	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
007	CRUSHING & SCREENING OPERATION	268730	4345440	1664

Cntrol# 0504-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	1.66	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
008	CRUSHING & SCREENING OPERATION	268730	4345440	1664

Cntrol# 0504-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.37	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
009	SCREENING OPERATION	268730	4345440	1664

Cntrol# 0504-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.21	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
010	MATERIAL XFER OPERATION	268730	4345440	1664

Cntrol# 0504-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.14	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
011	LIMESTONE HANDLING	268730	4345440	1664

Cntrol# 0504-001 **Cntrol Desc:** WATER SPRAYS

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	88.00	LB/HR	32.80	3.30	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
012	GENERATOR	268730	4345440	1664

Cntrol# 0504-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
NO	10.15	LB/HR	32.80	3.30	0.00	
PM	0.18	LB/HR	32.80	3.30	0.00	
SO	1.60	LB/HR	32.80	3.30	0.00	

Company Name: WYKLE RESEARCH INC

Facility ID AP38430051

FacSeq: 0051

Associated Basin

Basin	Inside	Within 50 Km
104	☑	☐
76	☐	☑
83	☐	☑
85	☐	☑

Facility Pollutant Total

1999	Sum Of Hr Emiss Lmt	Unit
PM	0.22	LB/HR

Pollutant by system

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
001	SILVER ALLOY FURNACE	262980	4341370	

Cntrol# 0051-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.11	LB/HR	24.00	1.00	2100.00	1100.00

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
002	"CAP" ROOM	262980	4341370	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
003	INDUCTION FURNACE	262980	4341370	

Cntrol# 0051-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM	0.11	LB/HR	32.80	3.28	0.00	

System#	SystemDesc	UTME (m)	UTMN (m)	Elevation (m)
004	SURFACE AREA DISTURBANBCE	262980	4341370	

Cntrol# 0051-001 **Cntrol Desc:** GOOD OPERATING PRACTICES

Year: 1999

	Hr Emiss Lmt	Unit	StkHt	StkDiam	StkTemp(F)	StkFlow
PM		LB/HR	32.80	3.28	0.00	

APPENDIX E
RAILROAD SOURCE EMISSIONS CALCULATIONS

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: SO2 for 1982

County	Total Rail Meters in County:	Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
CHURCHILL	129143	1330.34	0.010301294	7.87619	0.081134948	76-M24	247.54	0.186072733	0.015097002
CHURCHILL	129143	1330.34	0.010301294	7.87619	0.081134948	76-N24	1001.55	0.752852654	0.061082661
CHURCHILL	129143	1330.34	0.010301294	7.87619	0.081134948	76-N25	81.25	0.061074613	0.004955286
									0.081134948

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 76: 49619.1
NET Tier Report: NOx for 1988

County	Total Rail Meters in County:	Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
CHURCHILL	129143	1330.34	0.010301294	161	1.65850832	76-M24	247.54	0.186072733	0.308603176
CHURCHILL	129143	1330.34	0.010301294	161	1.65850832	76-N24	1001.55	0.752852654	1.248612391
CHURCHILL	129143	1330.34	0.010301294	161	1.65850832	76-N25	81.25	0.061074613	0.101292753
									1.65850832

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: NOx for 1988

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
LYON	**97236**	**314.12**	**0.003230491**	183	**0.59117981**	83-E36	314.12	1	0.59117981
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-E35	1135.66	0.05319639	0.919852405
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-E36	775.89	0.03634411	0.628448904
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-F33	930.04	0.04356478	0.753306034
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-F34	1138.06	0.05330881	0.921796337
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-F35	20.29	0.00095042	0.016434325
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-G29	283.75	0.01329137	0.229829456
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-G30	1027.11	0.04811171	0.831929982
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-G31	1736.46	0.08133896	1.406483373
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-G32	2193.59	0.10275177	1.776745714
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-G33	211.98	0.00992953	0.171697791
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-J16	1305.69	0.06116091	1.057571885
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-J17	1004.81	0.04706714	0.813867615
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-J18	1767.85	0.08280933	1.431908383
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-J19	2056.07	0.09631008	1.665358412
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-J20	541.81	0.02537937	0.43885074
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-K13	711.14	0.0333111	0.57600324
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-K14	1040.96	0.04876047	0.84314809
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-K15	1009.52	0.04728776	0.817682581
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-K16	616.58	0.02888174	0.499412321
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-O2	1168.93	0.05475482	0.946800162
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-P2	43.73	0.00204839	0.03542006
STOREY	22,223	21,348.44	**0.960646177**	18	**17.29163119**	83-P3	628.52	0.02944103	0.509083382
						Sum should match value in column F->			**17.29163119**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: NOx for 1988

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-G21	218.66	0.00782143	1.890882173
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-G22	1013.98	0.03626988	8.768483973
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-G23	5.71	0.00020425	0.049377743
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-G24	103.2	0.00369145	0.892431356
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-G25	1404.25	0.05022977	12.14337918
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-G26	636	0.0227496	5.499867657
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-G29	316.06	0.01130541	2.733157502
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-H20	468.43	0.01675566	4.050790891
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-H21	997.22	0.03567038	8.623550353
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-H23	999.33	0.03574585	8.641796769
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-H24	1899.81	0.06795586	16.4287792
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-H25	60.92	0.0021791	0.526811223
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-H26	409.01	0.01463021	3.536951054
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-H27	1016.72	0.03636789	8.792178371
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-H28	1000.79	0.03579808	8.654422252
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-H29	448.28	0.01603489	3.876541939
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-I20	1027.79	0.03676386	8.887907199
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-J20	624.44	0.02233611	5.399901509
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-K12	785.5	0.02809719	6.79268246
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-K13	542.77	0.01941478	4.69365278
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-L10	1243.19	0.04446868	10.75059823
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-L11	1708.2	0.061102	14.77181436
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-L12	1315.28	0.04704733	11.37400304
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-L9	92.68	0.00331515	0.801458702
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-M9	1323.74	0.04734994	11.44716165
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-N8	1323.51	0.04734171	11.44517271

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: NOx for 1988

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-N9	120.19	0.00429917	1.039353921
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-O2	213.66	0.00764258	1.847644219
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-O5	415.11	0.01484841	3.589701357
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-O6	1873.09	0.06700009	16.19771558
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-O7	2250.92	0.080515	19.46503476
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-O8	63.84	0.00228355	0.552062187
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-P3	403.46	0.01443169	3.488956926
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-P4	1012.46	0.03621551	8.755339635
WASHOE	287,132	27,956.53	**0.097364731**	2483	**241.7566276**	83-P5	618.33	0.02211755	5.34706473
							Sum should match value in column F->		**241.7566276**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1

NET Tier Report: NOx for 1993

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
LYON	**97236**	**314.12**	**0.003230491**	213	**0.688094533**	83-E36	314.12	1	0.688094533
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-E35	1135.66	0.05319639	1.073161139
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-E36	775.89	0.03634411	0.733190388
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-F33	930.04	0.04356478	0.87885704
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-F34	1138.06	0.05330881	1.07542906
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-F35	20.29	0.00095042	0.019173379
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-G29	283.75	0.01329137	0.268134365
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-G30	1027.11	0.04811171	0.97058498
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-G31	1736.46	0.08133896	1.640897269
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-G32	2193.59	0.10275177	2.07287
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-G33	211.98	0.00992953	0.200314089
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-J16	1305.69	0.06116091	1.233833866
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-J17	1004.81	0.04706714	0.949512217
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-J18	1767.85	0.08280933	1.67055978
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-J19	2056.07	0.09631008	1.942918148
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-J20	541.81	0.02537937	0.51199253
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-K13	711.14	0.0333111	0.67200378
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-K14	1040.96	0.04876047	0.983672771
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-K15	1009.52	0.04728776	0.953963011
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-K16	616.58	0.02888174	0.582647707
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-O2	1168.93	0.05475482	1.104600189
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-P2	43.73	0.00204839	0.041323404
STOREY	22,223	21,348.44	**0.960646177**	21	**20.17356973**	83-P3	628.52	0.02944103	0.593930612
						Sum should match value in column F->			**20.17356973**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1

NET Tier Report: NOx for 1993

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-G21	218.66	0.00782143	2.203109998
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-G22	1013.98	0.03626988	10.21636091
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-G23	5.71	0.00020425	0.057531136
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-G24	103.2	0.00369145	1.039792151
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-G25	1404.25	0.05022977	14.14852838
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-G26	636	0.0227496	6.408021398
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-G29	316.06	0.01130541	3.184464219
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-H20	468.43	0.01675566	4.719668968
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-H21	997.22	0.03567038	10.04749544
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-H23	999.33	0.03574585	10.06875475
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-H24	1899.81	0.06795586	19.1415458
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-H25	60.92	0.0021791	0.613799785
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-H26	409.01	0.01463021	4.12098244
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-H27	1016.72	0.03636789	10.24396779
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-H28	1000.79	0.03579808	10.08346499
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-H29	448.28	0.01603489	4.516647535
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-I20	1027.79	0.03676386	10.35550364
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-J20	624.44	0.02233611	6.291548556
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-K12	785.5	0.02809719	7.914309447
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-K13	542.77	0.01941478	5.468682035
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-L10	1243.19	0.04446868	12.52576749
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-L11	1708.2	0.061102	17.21097823
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-L12	1315.28	0.04704733	13.25211067
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-L9	92.68	0.00331515	0.933797835
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-M9	1323.74	0.04734994	13.33734944

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1

NET Tier Report: NOx for 1993

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-N8	1323.51	0.04734171	13.33503208
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-N9	120.19	0.00429917	1.210974987
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-O2	213.66	0.00764258	2.152732471
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-O5	415.11	0.01484841	4.182443023
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-O6	1873.09	0.06700009	18.8723283
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-O7	2250.92	0.080515	22.67915649
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-O8	63.84	0.00228355	0.643220261
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-P3	403.46	0.01443169	4.065063385
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-P4	1012.46	0.03621551	10.20104614
WASHOE	287,132	27,956.53	**0.097364731**	2893	**281.6761674**	83-P5	618.33	0.02211755	6.229987218
						Sum should match value in column F->			**281.6761674**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1

NET Tier Report: PM10 for 1993

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
LYON	**97236**	**314.12**	**0.003230491**	12	**0.038765889**	83-E36	314.12	1	0.038765889
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-E35	1135.66	0.05319639	0.051102911
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-E36	775.89	0.03634411	0.034913828
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-F33	930.04	0.04356478	0.041850335
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-F34	1138.06	0.05330881	0.051210908
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-F35	20.29	0.00095042	0.000913018
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G29	283.75	0.01329137	0.012768303
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G30	1027.11	0.04811171	0.046218332
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G31	1736.46	0.08133896	0.078137965
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G32	2193.59	0.10275177	0.098708095
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G33	211.98	0.00992953	0.009538766
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J16	1305.69	0.06116091	0.058753994
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J17	1004.81	0.04706714	0.045214867
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J18	1767.85	0.08280933	0.079550466
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J19	2056.07	0.09631008	0.092519912
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J20	541.81	0.02537937	0.024380597
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K13	711.14	0.0333111	0.03200018
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K14	1040.96	0.04876047	0.046841561
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K15	1009.52	0.04728776	0.04542681
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K16	616.58	0.02888174	0.027745129
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-O2	1168.93	0.05475482	0.052600009
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-P2	43.73	0.00204839	0.001967781
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-P3	628.52	0.02944103	0.02828241
						Sum should match value in column F->			**0.960646177**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1

NET Tier Report: PM10 for 1993

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-G21	218.66	0.00782143	0.125652661
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-G22	1013.98	0.03626988	0.582682181
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-G23	5.71	0.00020425	0.003281243
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-G24	103.2	0.00369145	0.059303735
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-G25	1404.25	0.05022977	0.806950288
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-G26	636	0.0227496	0.365476506
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-G29	316.06	0.01130541	0.181623435
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-H20	468.43	0.01675566	0.269182641
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-H21	997.22	0.03567038	0.573051071
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-H23	999.33	0.03574585	0.574263579
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-H24	1899.81	0.06795586	1.091723145
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-H25	60.92	0.0021791	0.035007592
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-H26	409.01	0.01463021	0.235037021
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-H27	1016.72	0.03636789	0.584256718
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-H28	1000.79	0.03579808	0.575102566
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-H29	448.28	0.01603489	0.257603472
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-I20	1027.79	0.03676386	0.590618078
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-J20	624.44	0.02233611	0.358833568
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-K12	785.5	0.02809719	0.45138647
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-K13	542.77	0.01941478	0.311902017
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-L10	1243.19	0.04446868	0.714397385
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-L11	1708.2	0.061102	0.981614728
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-L12	1315.28	0.04704733	0.755823802
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-L9	92.68	0.00331515	0.053258432
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-M9	1323.74	0.04734994	0.760685329

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1

NET Tier Report: PM10 for 1993

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-N8	1323.51	0.04734171	0.76055316
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-N9	120.19	0.00429917	0.069067014
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-O2	213.66	0.00764258	0.122779419
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-O5	415.11	0.01484841	0.238542378
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-O6	1873.09	0.06700009	1.076368534
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-O7	2250.92	0.080515	1.293488012
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-O8	63.84	0.00228355	0.036685566
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-P3	403.46	0.01443169	0.231847722
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-P4	1012.46	0.03621551	0.581808715
WASHOE	287,132	27,956.53	**0.097364731**	165	**16.06518065**	83-P5	618.33	0.02211755	0.355322465
						Sum should match value in column F->			**16.06518065**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1

NET Tier Report: SO_2 for 1993

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
LYON	**97236**	**314.12**	**0.003230491**	18	**0.058148834**	83-E36	314.12	1	0.058148834
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-E35	1135.66	0.05319639	0.102205823
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-E36	775.89	0.03634411	0.069827656
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-F33	930.04	0.04356478	0.08370067
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-F34	1138.06	0.05330881	0.102421815
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-F35	20.29	0.00095042	0.001826036
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-G29	283.75	0.01329137	0.025536606
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-G30	1027.11	0.04811171	0.092436665
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-G31	1736.46	0.08133896	0.15627593
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-G32	2193.59	0.10275177	0.19741619
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-G33	211.98	0.00992953	0.019077532
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-J16	1305.69	0.06116091	0.117507987
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-J17	1004.81	0.04706714	0.090429735
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-J18	1767.85	0.08280933	0.159100931
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-J19	2056.07	0.09631008	0.185039824
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-J20	541.81	0.02537937	0.048761193
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-K13	711.14	0.0333111	0.06400036
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-K14	1040.96	0.04876047	0.093683121
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-K15	1009.52	0.04728776	0.09085362
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-K16	616.58	0.02888174	0.055490258
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-O2	1168.93	0.05475482	0.105200018
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-P2	43.73	0.00204839	0.003935562
STOREY	22,223	21,348.44	**0.960646177**	2	**1.921292355**	83-P3	628.52	0.02944103	0.05656482
						Sum should match value in column F->			**1.921292355**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1

NET Tier Report: SO_2 for 1993

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-G21	218.66	0.00782143	0.180482914
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-G22	1013.98	0.03626988	0.836943496
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-G23	5.71	0.00020425	0.004713059
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-G24	103.2	0.00369145	0.085181728
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-G25	1404.25	0.05022977	1.15907405
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-G26	636	0.0227496	0.524957163
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-G29	316.06	0.01130541	0.260877297
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-H20	468.43	0.01675566	0.386644157
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-H21	997.22	0.03567038	0.82310972
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-H23	999.33	0.03574585	0.824851323
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-H24	1899.81	0.06795586	1.568111426
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-H25	60.92	0.0021791	0.050283633
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-H26	409.01	0.01463021	0.337598631
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-H27	1016.72	0.03636789	0.839205104
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-H28	1000.79	0.03579808	0.826056413
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-H29	448.28	0.01603489	0.370012259
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-I20	1027.79	0.03676386	0.84834233
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-J20	624.44	0.02233611	0.515415488
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-K12	785.5	0.02809719	0.648355112
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-K13	542.77	0.01941478	0.448004716
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-L10	1243.19	0.04446868	1.026134426
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-L11	1708.2	0.061102	1.4099557
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-L12	1315.28	0.04704733	1.085637825
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-L9	92.68	0.00331515	0.076498475
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-M9	1323.74	0.04734994	1.092620746
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-N8	1323.51	0.04734171	1.092430903
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-N9	120.19	0.00429917	0.099205348
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-O2	213.66	0.00764258	0.176355892
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-O5	415.11	0.01484841	0.342633597
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-O6	1873.09	0.06700009	1.546056622

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1

NET Tier Report: SO_2 for 1993

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-O7	2250.92	0.080515	1.857919145
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-O8	63.84	0.00228355	0.052693813
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-P3	403.46	0.01443169	0.333017636
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-P4	1012.46	0.03621551	0.835688882
WASHOE	287,132	27,956.53	**0.097364731**	237	**23.0754413**	83-P5	618.33	0.02211755	0.510372268
						Sum should match value in column F->			**23.0754413**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 76: 49619.1
NET Tier Report: NO_x for 1998

County	Total Rail Meters in County:	Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
CHURCHILL	129143	1330.34	0.010301294	192	1.977848432	76-M24	247.54	0.186072733	0.368023664
CHURCHILL	129143	1330.34	0.010301294	192	1.977848432	76-N24	1001.55	0.752852654	1.489028441
CHURCHILL	129143	1330.34	0.010301294	192	1.977848432	76-N25	81.25	0.061074613	0.120796327
							Sum should match value in column F->		**1.977848432**
LYON	97236	23799.06	0.244755646	217	53.11197519	76-H9	216.15	0.009082291	0.48237844
LYON	97236	23799.06	0.244755646	217	53.11197519	76-I10	788	0.033110551	1.758566786
LYON	97236	23799.06	0.244755646	217	53.11197519	76-I8	1555.22	0.065347959	3.470759184
LYON	97236	23799.06	0.244755646	217	53.11197519	76-I9	2921.35	0.122750646	6.51952929
LYON	97236	23799.06	0.244755646	217	53.11197519	76-J10	1300.94	0.054663504	2.903286643
LYON	97236	23799.06	0.244755646	217	53.11197519	76-J11	1714.8	0.072053266	3.826891275
LYON	97236	23799.06	0.244755646	217	53.11197519	76-J12	1039.33	0.043671053	2.31945586
LYON	97236	23799.06	0.244755646	217	53.11197519	76-J13	936.72	0.039359538	2.090462792
LYON	97236	23799.06	0.244755646	217	53.11197519	76-K13	95.54	0.004014444	0.213215064
LYON	97236	23799.06	0.244755646	217	53.11197519	76-K14	1018.91	0.042813035	2.273884878
LYON	97236	23799.06	0.244755646	217	53.11197519	76-K15	1010.38	0.042454618	2.254848616
LYON	97236	23799.06	0.244755646	217	53.11197519	76-K16	1010.36	0.042453778	2.254803982
LYON	97236	23799.06	0.244755646	217	53.11197519	76-K17	1009.81	0.042430667	2.253576556
LYON	97236	23799.06	0.244755646	217	53.11197519	76-K18	1009.59	0.042421423	2.253085586
LYON	97236	23799.06	0.244755646	217	53.11197519	76-K19	1009.59	0.042421423	2.253085586
LYON	97236	23799.06	0.244755646	217	53.11197519	76-K20	644.55	0.027083002	1.438431754
LYON	97236	23799.06	0.244755646	217	53.11197519	76-L20	365.06	0.015339261	0.814698466
LYON	97236	23799.06	0.244755646	217	53.11197519	76-L21	1010	0.042438651	2.254000576
LYON	97236	23799.06	0.244755646	217	53.11197519	76-L22	1573.27	0.066106392	3.511041075
LYON	97236	23799.06	0.244755646	217	53.11197519	76-L23	2016.49	0.084729817	4.500167942
LYON	97236	23799.06	0.244755646	217	53.11197519	76-M23	541.67	0.022760143	1.208836131
LYON	97236	23799.06	0.244755646	217	53.11197519	76-M24	1011.33	0.042494535	2.256968715
							Sum should match value in column F->		**53.11197519**

Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 76: 49619.1
NET Tier Report: NO_x for 1998

County	Total Rail Meters in County:	Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287132	1902.51	0.006625907	2950	19.54642638	76-G8	849.55	0.446541674	8.728293955
WASHOE	287132	1902.51	0.006625907	2950	19.54642638	76-H8	178.36	0.093749836	1.832474263
WASHOE	287132	1902.51	0.006625907	2950	19.54642638	76-H9	874.6	0.45970849	8.985658164
							Sum should match value in column F->		**19.54642638**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: NO_x for 1998

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
LYON	**97236**	**314.12**	**0.003230491**	217	**0.701016496**	83-E36	314.12	1	**0.701016496**
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-E35	1135.66	0.05319639	1.124264051
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-E36	775.89	0.03634411	0.768104216
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-F33	930.04	0.04356478	0.920707375
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-F34	1138.06	0.05330881	1.126639968
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-F35	20.29	0.00095042	0.020086397
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-G29	283.75	0.01329137	0.280902668
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-G30	1027.11	0.04811171	1.016803312
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-G31	1736.46	0.08133896	1.719035234
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-G32	2193.59	0.10275177	2.171578095
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-G33	211.98	0.00992953	0.209852855
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-J16	1305.69	0.06116091	1.292587859
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-J17	1004.81	0.04706714	0.994727085
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-J18	1767.85	0.08280933	1.750110246
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-J19	2056.07	0.09631008	2.03543806
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-J20	541.81	0.02537937	0.536373127
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-K13	711.14	0.0333111	0.70400396
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-K14	1040.96	0.04876047	1.030514332
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-K15	1009.52	0.04728776	0.999389821
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-K16	616.58	0.02888174	0.610392836
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-O2	1168.93	0.05475482	1.157200198
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-P2	43.73	0.00204839	0.043291185
STOREY	22,223	21,348.44	**0.960646177**	22	**21.1342159**	83-P3	628.52	0.02944103	0.622213023
						Sum should match value in column F->			**21.1342159**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: NO_x for 1998

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-G21	218.66	0.00782143	2.246517281
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-G22	1013.98	0.03626988	10.41765112
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-G23	5.71	0.00020425	0.058664656
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-G24	103.2	0.00369145	1.060278896
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-G25	1404.25	0.05022977	14.42729302
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-G26	636	0.0227496	6.534276918
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-G29	316.06	0.01130541	3.24720686
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-H20	468.43	0.01675566	4.812659334
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-H21	997.22	0.03567038	10.24545853
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-H23	999.33	0.03574585	10.26713672
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-H24	1899.81	0.06795586	19.51868653
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-H25	60.92	0.0021791	0.625893317
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-H26	409.01	0.01463021	4.202177047
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-H27	1016.72	0.03636789	10.44580193
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-H28	1000.79	0.03579808	10.28213679
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-H29	448.28	0.01603489	4.605637825
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-I20	1027.79	0.03676386	10.55953534
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-J20	624.44	0.02233611	6.415509243
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-K12	785.5	0.02809719	8.070242954
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-K13	542.77	0.01941478	5.576430004
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-L10	1243.19	0.04446868	12.77255931
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-L11	1708.2	0.061102	17.5500815
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-L12	1315.28	0.04704733	13.51321343
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-L9	92.68	0.00331515	0.952196202
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-M9	1323.74	0.04734994	13.60013165
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-N8	1323.51	0.04734171	13.59776862
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-N9	120.19	0.00429917	1.234834501

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: NO_x for 1998

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-O2	213.66	0.00764258	2.19514718
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-O5	415.11	0.01484841	4.264848571
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-O6	1873.09	0.06700009	19.2441647
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-O7	2250.92	0.080515	23.1259978
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-O8	63.84	0.00228355	0.655893457
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-P3	403.46	0.01443169	4.145156235
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-P4	1012.46	0.03621551	10.4020346
WASHOE	287,132	27,956.53	**0.097364731**	2950	**287.2259571**	83-P5	618.33	0.02211755	6.352734979
						Sum should match value in column F->			**287.2259571**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 76: 49619.1
NET Tier Report: PM_{10} for 1998

County	Total Rail Meters in County:	Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
CHURCHILL	129143	1330.34	0.010301294	5	0.05150647	76-M24	247.54	0.186072733	0.00958395
CHURCHILL	129143	1330.34	0.010301294	5	0.05150647	76-N24	1001.55	0.752852654	0.038776782
CHURCHILL	129143	1330.34	0.010301294	5	0.05150647	76-N25	81.25	0.061074613	0.003145738
							Sum should match value in column F->		**0.05150647**
LYON	97236	23799.06	0.244755646	5	1.22377823	76-H9	216.15	0.009082291	0.011114711
LYON	97236	23799.06	0.244755646	5	1.22377823	76-I10	788	0.033110551	0.040519972
LYON	97236	23799.06	0.244755646	5	1.22377823	76-I8	1555.22	0.065347959	0.07997141
LYON	97236	23799.06	0.244755646	5	1.22377823	76-I9	2921.35	0.122750646	0.150219569
LYON	97236	23799.06	0.244755646	5	1.22377823	76-J10	1300.94	0.054663504	0.066896006
LYON	97236	23799.06	0.244755646	5	1.22377823	76-J11	1714.8	0.072053266	0.088177218
LYON	97236	23799.06	0.244755646	5	1.22377823	76-J12	1039.33	0.043671053	0.053443683
LYON	97236	23799.06	0.244755646	5	1.22377823	76-J13	936.72	0.039359538	0.048167345
LYON	97236	23799.06	0.244755646	5	1.22377823	76-K13	95.54	0.004014444	0.00491279
LYON	97236	23799.06	0.244755646	5	1.22377823	76-K14	1018.91	0.042813035	0.052393661
LYON	97236	23799.06	0.244755646	5	1.22377823	76-K15	1010.38	0.042454618	0.051955037
LYON	97236	23799.06	0.244755646	5	1.22377823	76-K16	1010.36	0.042453778	0.051954009
LYON	97236	23799.06	0.244755646	5	1.22377823	76-K17	1009.81	0.042430667	0.051925727
LYON	97236	23799.06	0.244755646	5	1.22377823	76-K18	1009.59	0.042421423	0.051914414
LYON	97236	23799.06	0.244755646	5	1.22377823	76-K19	1009.59	0.042421423	0.051914414
LYON	97236	23799.06	0.244755646	5	1.22377823	76-K20	644.55	0.027083002	0.033143589
LYON	97236	23799.06	0.244755646	5	1.22377823	76-L20	365.06	0.015339261	0.018771854
LYON	97236	23799.06	0.244755646	5	1.22377823	76-L21	1010	0.042438651	0.051935497
LYON	97236	23799.06	0.244755646	5	1.22377823	76-L22	1573.27	0.066106392	0.080899564
LYON	97236	23799.06	0.244755646	5	1.22377823	76-L23	2016.49	0.084729817	0.103690506
LYON	97236	23799.06	0.244755646	5	1.22377823	76-M23	541.67	0.022760143	0.027853367
LYON	97236	23799.06	0.244755646	5	1.22377823	76-M24	1011.33	0.042494535	0.052003887
							Sum should match value in column F->		**1.22377823**

Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 76: 49619.1
NET Tier Report: PM_{10} for 1998

County	Total Rail Meters in County:	Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287132	1902.51	0.006625907	71	0.470439415	76-G8	849.55	0.446541674	0.210070804
WASHOE	287132	1902.51	0.006625907	71	0.470439415	76-H8	178.36	0.093749836	0.044103618
WASHOE	287132	1902.51	0.006625907	71	0.470439415	76-H9	874.6	0.45970849	0.216264993
							Sum should match value in column F->		**0.470439415**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: PM_{10} for 1998

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
LYON	**97236**	**314.12**	**0.003230491**	5	**0.016152454**	83-E36	314.12	1	0.016152454
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-E35	1135.66	0.05319639	0.051102911
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-E36	775.89	0.03634411	0.034913828
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-F33	930.04	0.04356478	0.041850335
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-F34	1138.06	0.05330881	0.051210908
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-F35	20.29	0.00095042	0.000913018
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G29	283.75	0.01329137	0.012768303
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G30	1027.11	0.04811171	0.046218332
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G31	1736.46	0.08133896	0.078137965
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G32	2193.59	0.10275177	0.098708095
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G33	211.98	0.00992953	0.009538766
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J16	1305.69	0.06116091	0.058753994
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J17	1004.81	0.04706714	0.045214867
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J18	1767.85	0.08280933	0.079550466
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J19	2056.07	0.09631008	0.092519912
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J20	541.81	0.02537937	0.024380597
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K13	711.14	0.0333111	0.03200018
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K14	1040.96	0.04876047	0.046841561
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K15	1009.52	0.04728776	0.04542681
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K16	616.58	0.02888174	0.027745129
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-O2	1168.93	0.05475482	0.052600009
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-P2	43.73	0.00204839	0.001967781
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-P3	628.52	0.02944103	0.02828241
						Sum should match value in column F->			**0.960646177**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: PM_{10} for 1998

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-G21	218.66	0.00782143	0.054068721
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-G22	1013.98	0.03626988	0.250729908
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-G23	5.71	0.00020425	0.001411929
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-G24	103.2	0.00369145	0.025518577
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-G25	1404.25	0.05022977	0.347233154
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-G26	636	0.0227496	0.157265648
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-G29	316.06	0.01130541	0.078153114
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-H20	468.43	0.01675566	0.115830106
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-H21	997.22	0.03567038	0.246585612
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-H23	999.33	0.03574585	0.247107358
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-H24	1899.81	0.06795586	0.469771777
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-H25	60.92	0.0021791	0.015063873
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-H26	409.01	0.01463021	0.101137142
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-H27	1016.72	0.03636789	0.251407436
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-H28	1000.79	0.03579808	0.247468377
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-H29	448.28	0.01603489	0.110847554
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-I20	1027.79	0.03676386	0.254144749
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-J20	624.44	0.02233611	0.154407172
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-K12	785.5	0.02809719	0.194232966
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-K13	542.77	0.01941478	0.134212383
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-L10	1243.19	0.04446868	0.30740736
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-L11	1708.2	0.061102	0.422391792
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-L12	1315.28	0.04704733	0.325233273
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-L9	92.68	0.00331515	0.022917265
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-M9	1323.74	0.04734994	0.327325202
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-N8	1323.51	0.04734171	0.32726833
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-N9	120.19	0.00429917	0.029719746

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: PM_{10} for 1998

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-O2	213.66	0.00764258	0.052832356
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-O5	415.11	0.01484841	0.102645508
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-O6	1873.09	0.06700009	0.463164642
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-O7	2250.92	0.080515	0.556591811
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-O8	63.84	0.00228355	0.01578591
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-P3	403.46	0.01443169	0.099764777
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-P4	1012.46	0.03621551	0.250354053
WASHOE	287,132	27,956.53	**0.097364731**	71	**6.912895915**	83-P5	618.33	0.02211755	0.152896333
						Sum should match value in column F->			**6.912895915**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 76: 49619.1
NET Tier Report: SO_2 for 1998

County	Total Rail Meters in County:	Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
CHURCHILL	129143	1330.34	0.010301294	161	1.65850832	76-M24	247.54	0.186072733	0.308603176
CHURCHILL	129143	1330.34	0.010301294	161	1.65850832	76-N24	1001.55	0.752852654	1.248612391
CHURCHILL	129143	1330.34	0.010301294	161	1.65850832	76-N25	81.25	0.061074613	0.101292753
							Sum should match value in column F->		**1.65850832**
LYON	97236	23799.06	0.244755646	14	3.426579045	76-H9	216.15	0.009082291	0.03112119
LYON	97236	23799.06	0.244755646	14	3.426579045	76-I10	788	0.033110551	0.113455922
LYON	97236	23799.06	0.244755646	14	3.426579045	76-I8	1555.22	0.065347959	0.223919947
LYON	97236	23799.06	0.244755646	14	3.426579045	76-I9	2921.35	0.122750646	0.420614793
LYON	97236	23799.06	0.244755646	14	3.426579045	76-J10	1300.94	0.054663504	0.187308816
LYON	97236	23799.06	0.244755646	14	3.426579045	76-J11	1714.8	0.072053266	0.246896211
LYON	97236	23799.06	0.244755646	14	3.426579045	76-J12	1039.33	0.043671053	0.149642314
LYON	97236	23799.06	0.244755646	14	3.426579045	76-J13	936.72	0.039359538	0.134868567
LYON	97236	23799.06	0.244755646	14	3.426579045	76-K13	95.54	0.004014444	0.013755811
LYON	97236	23799.06	0.244755646	14	3.426579045	76-K14	1018.91	0.042813035	0.14670225
LYON	97236	23799.06	0.244755646	14	3.426579045	76-K15	1010.38	0.042454618	0.145474104
LYON	97236	23799.06	0.244755646	14	3.426579045	76-K16	1010.36	0.042453778	0.145471225
LYON	97236	23799.06	0.244755646	14	3.426579045	76-K17	1009.81	0.042430667	0.145392036
LYON	97236	23799.06	0.244755646	14	3.426579045	76-K18	1009.59	0.042421423	0.14536036

Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 76: 49619.1
NET Tier Report: SO_2 for 1998

County	Total Rail Meters in County:	Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
LYON	97236	23799.06	0.244755646	14	3.426579045	76-K19	1009.59	0.042421423	0.14536036
LYON	97236	23799.06	0.244755646	14	3.426579045	76-K20	644.55	0.027083002	0.092802049
LYON	97236	23799.06	0.244755646	14	3.426579045	76-L20	365.06	0.015339261	0.052561191
LYON	97236	23799.06	0.244755646	14	3.426579045	76-L21	1010	0.042438651	0.145419392
LYON	97236	23799.06	0.244755646	14	3.426579045	76-L22	1573.27	0.066106392	0.226518779
LYON	97236	23799.06	0.244755646	14	3.426579045	76-L23	2016.49	0.084729817	0.290333416
LYON	97236	23799.06	0.244755646	14	3.426579045	76-M23	541.67	0.022760143	0.077989428
LYON	97236	23799.06	0.244755646	14	3.426579045	76-M24	1011.33	0.042494535	0.145610885
							Sum should match value in column F->		**3.426579045**
WASHOE	287132	1902.51	0.006625907	191	1.265548284	76-G8	849.55	0.446541674	0.565120049
WASHOE	287132	1902.51	0.006625907	191	1.265548284	76-H8	178.36	0.093749836	0.118644944
WASHOE	287132	1902.51	0.006625907	191	1.265548284	76-H9	874.6	0.45970849	0.581783291
							Sum should match value in column F->		**1.265548284**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: SO_2 for 1998

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
LYON	**97236**	**314.12**	**0.003230491**	14	**0.045226871**	83-E36	314.12	1	0.045226871
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-E35	1135.66	0.05319639	0.051102911
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-E36	775.89	0.03634411	0.034913828
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-F33	930.04	0.04356478	0.041850335
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-F34	1138.06	0.05330881	0.051210908
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-F35	20.29	0.00095042	0.000913018
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G29	283.75	0.01329137	0.012768303
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G30	1027.11	0.04811171	0.046218332
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G31	1736.46	0.08133896	0.078137965
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G32	2193.59	0.10275177	0.098708095
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-G33	211.98	0.00992953	0.009538766
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J16	1305.69	0.06116091	0.058753994
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J17	1004.81	0.04706714	0.045214867
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J18	1767.85	0.08280933	0.079550466
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J19	2056.07	0.09631008	0.092519912
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-J20	541.81	0.02537937	0.024380597
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K13	711.14	0.0333111	0.03200018
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K14	1040.96	0.04876047	0.046841561
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K15	1009.52	0.04728776	0.04542681
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-K16	616.58	0.02888174	0.027745129
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-O2	1168.93	0.05475482	0.052600009
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-P2	43.73	0.00204839	0.001967781
STOREY	22,223	21,348.44	**0.960646177**	1	**0.960646177**	83-P3	628.52	0.02944103	0.02828241
						Sum should match value in column F->			**0.960646177**

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: SO_2 for 1998

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-G21	218.66	0.00782143	0.145452475
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-G22	1013.98	0.03626988	0.674498767
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-G23	5.71	0.00020425	0.003798288
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-G24	103.2	0.00369145	0.068648566
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-G25	1404.25	0.05022977	0.934106091
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-G26	636	0.0227496	0.423066743
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-G29	316.06	0.01130541	0.210242885
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-H20	468.43	0.01675566	0.311599299
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-H21	997.22	0.03567038	0.663350027
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-H23	999.33	0.03574585	0.664753598
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-H24	1899.81	0.06795586	1.263752246
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-H25	60.92	0.0021791	0.04052394
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-H26	409.01	0.01463021	0.272073158
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-H27	1016.72	0.03636789	0.676321413
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-H28	1000.79	0.03579808	0.665724789
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-H29	448.28	0.01603489	0.298195534
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-I20	1027.79	0.03676386	0.683685169
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-J20	624.44	0.02233611	0.415377039
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-K12	785.5	0.02809719	0.522514035
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-K13	542.77	0.01941478	0.361050214
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-L10	1243.19	0.04446868	0.826969094
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-L11	1708.2	0.061102	1.136293412
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-L12	1315.28	0.04704733	0.874923311
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-L9	92.68	0.00331515	0.061650669
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-M9	1323.74	0.04734994	0.880550896
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-N8	1323.51	0.04734171	0.880397901
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-N9	120.19	0.00429917	0.079950302

Year Rail Data Reported: 1995
Source of Rail Data: Census Bureau
Total Rail Meters in Study Area 83: 49619.1
NET Tier Report: SO_2 for 1998

County	Total Rail Meters in County:	Total Rail Meters in Study Area for the County:	% Rail Meters in Study Area for the County:	Total Rail Emissions in County (tpy)	Total Rail Emissions in Study Area for the County (tpy)	Grid ID	Rail Length in Grid (meters)	% Rail Meters Grid per County	Total Rail Emissions in Grid (tpy)
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-O2	213.66	0.00764258	0.142126478
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-O5	415.11	0.01484841	0.276130874
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-O6	1873.09	0.06700009	1.245978122
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-O7	2250.92	0.080515	1.497310366
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-O8	63.84	0.00228355	0.042466322
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-P3	403.46	0.01443169	0.268381302
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-P4	1012.46	0.03621551	0.673487664
WASHOE	287,132	27,956.53	**0.097364731**	191	**18.59666366**	83-P5	618.33	0.02211755	0.411312672
						Sum should match value in column F->			**18.59666366**

APPENDIX F
MOBILE SOURCE EMISSIONS CALCULATIONS

Mobile Source Analysis

Determine:

• County-wide emissions for study year

County-wide total vehicle emissions (AIRSData NET Tier)

Year	Pollutant	County	Emissions
1994	NOX	Churchill	2083
1994	NOX	Lyon	2726
1994	NOX	Storey	395.209
1994	NOX	Washoe	11277
1994	PM10	Churchill	2368
1994	PM10	Lyon	2808
1994	PM10	Storey	882.154
1994	PM10	Washoe	11809
1994	SO2	Churchill	125
1994	SO2	Lyon	176
1994	SO2	Storey	18.0484
1994	SO2	Washoe	952

• Statewide vehicle miles traveled

Vehicle miles traveled (percent of road type to total state VMT)

Year	I	H	R
1994	0.323301	0.33410213	0.342597097
1996	0.3235405	0.34350278	0.332956404
1998	0.3091674	0.31438199	0.376450373
1982	0.348023331	0.307841866	0.344134802

• County-wide road miles

County-wide road miles for three road types

County	Road Type	Total Road Miles
Churchill	I	49.317
Churchill	H	174.9996
Churchill	R	4036.7016
Lyon	I	22.1644
Lyon	H	136.1098
Lyon	R	2861.6616
Storey	I	0.4273
Storey	H	0
Storey	R	473.1872
Washoe	I	73.2382
Washoe	H	54.3667
Washoe	R	6645.7165

• Hydrographic basin road miles

Basin-wide road miles for three road types

Basin	Road Type	Total Road Miles
76	I	15.55
76	H	20.0197
76	R	256.163
83	I	27.1735
83	H	2.1963
83	R	403.2905
85	I	0
85	H	0
85	R	195.3452

• Basin emissions for road types

$$E_{BIY} = E_{CY} * \frac{VMT_{IY}}{VMT_{TY}} * \frac{M_{BI}}{M_{CI}}$$

Notes: B=Basin M= Miles Y=Year
C= County I = Interstate
E=Emissions VMT=Vehicle Miles Traveled

Emissions will then be distributed over a network of 1-km by 1-km grid cells in each basin through which the roads pass

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-A21	0.5354			0.044553394	0.847882209	0.639183039	0.055970278	0.791140646	0.038005529
83-A33	2.6488			0.220420301	4.194752324	3.162248849	0.276903383	3.91403314	0.188025859
83-AA10	0.244			0.020304498	0.386408776	0.291297463	0.02550756	0.360549715	0.017320413
83-AA11	1.2684			0.105550102	2.00869218	1.514269269	0.132597497	1.874267455	0.090037753
83-AA12				0	0	0	0	0	0
83-AA13				0	0	0	0	0	0
83-AA14	0.7857			0.065382147	1.244267933	0.938001707	0.082136435	1.160999637	0.055773149
83-AA15				0	0	0	0	0	0
83-AA16	0.3747			0.031180718	0.593390855	0.44733262	0.039170831	0.553680239	0.026598191
83-AA17	1.3337			0.110984052	2.112104037	1.592227156	0.139423906	1.970758834	0.094673093
83-AA3	1.7648			0.146858105	2.79481233	2.106892468	0.184490747	2.607779253	0.125274855
83-AA4	0.8297			0.069043614	1.313948204	0.990530757	0.086736159	1.226016799	0.058896502
83-AA5	0.1737			0.014454472	0.275078707	0.207370366	0.018158456	0.256670023	0.012330146
83-AA6	0.6861			0.057093918	1.086537137	0.819095037	0.071724332	1.013824425	0.048703013
83-AA7	0.7081			0.058924651	1.121377273	0.845359563	0.074024194	1.046333006	0.05026469
83-AA8	0.9203			0.076582907	1.457426217	1.098692848	0.096207408	1.359893045	0.06532777
83-AA9				0	0	0	0	0	0
83-B10				0	0	0	0	0	0
83-B11				0	0	0	0	0	0
83-B12				0	0	0	0	0	0
83-B13				0	0	0	0	0	0
83-B14				0	0	0	0	0	0
83-B15				0	0	0	0	0	0
83-B16				0	0	0	0	0	0
83-B17				0	0	0	0	0	0
83-B18				0	0	0	0	0	0
83-B21	0.8264			0.068769004	1.308722184	0.986591078	0.086391179	1.221140511	0.058662251
83-B22	0.3555			0.029582987	0.562984918	0.424410852	0.037163679	0.525309114	0.025235274
83-B23				0	0	0	0	0	0
83-B24				0	0	0	0	0	0
83-B25				0	0	0	0	0	0
83-B26	0.1621			0.013489177	0.256708454	0.193521798	0.016945801	0.239529135	0.011506717
83-B27	0.7714			0.06419217	1.221621845	0.920929765	0.080641524	1.139869059	0.054758059

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-B28	0.5374			0.044719824	0.851049494	0.641570723	0.056179356	0.794095971	0.038147499
83-B29				0	0	0	0	0	0
83-B31	0.8217			0.068377892	1.301279064	0.980980021	0.085899845	1.214195496	0.05832862
83-B32	1.0245			0.085253926	1.622441768	1.223091191	0.107100391	1.513865506	0.072724438
83-B33	0.4274			0.035566157	0.676848816	0.510248096	0.044680046	0.631553067	0.030339117
83-B8	1.0583			0.088066598	1.675968886	1.263443052	0.110633815	1.563810507	0.075123741
83-B9	0.0714			0.005941562	0.113072076	0.085240323	0.007464098	0.105505122	0.00506835
83-BB10				0	0	0	0	0	0
83-BB11	0.9152			0.076158509	1.44934964	1.092604253	0.095674258	1.352356965	0.064965745
83-BB12				0	0	0	0	0	0
83-BB13	0.2386			0.019855136	0.377857107	0.284850716	0.024943049	0.352570336	0.016937092
83-BB14	0.563			0.046850132	0.891590742	0.67213308	0.058855559	0.831924138	0.039964723
83-BB15				0	0	0	0	0	0
83-BB16				0	0	0	0	0	0
83-BB3	1.6254			0.135257912	2.574052562	1.940470885	0.169917985	2.401793063	0.115379504
83-BB4	1.2871			0.107106225	2.038306296	1.536594116	0.13455238	1.901899749	0.091365178
83-BB5	1.269			0.105600031	2.009642366	1.514985574	0.132660221	1.875154052	0.090080344
83-BB6	1.6233			0.13508316	2.570726913	1.937963816	0.169698453	2.398689971	0.115230435
83-BB7	1.3733			0.114279372	2.174816281	1.639503301	0.143563657	2.029274279	0.09748411
83-BB8	0.0064			0.000532577	0.010135312	0.007640589	0.000669051	0.009457042	0.000454306
83-BB9				0	0	0	0	0	0
83-C10				0	0	0	0	0	0
83-C11				0	0	0	0	0	0
83-C12				0	0	0	0	0	0
83-C13				0	0	0	0	0	0
83-C14				0	0	0	0	0	0
83-C15				0	0	0	0	0	0
83-C16				0	0	0	0	0	0
83-C17				0	0	0	0	0	0
83-C18				0	0	0	0	0	0
83-C19				0	0	0	0	0	0
83-C20	0.4288			0.035682658	0.679065915	0.511919475	0.044826401	0.633621795	0.030438496
83-C21				0	0	0	0	0	0

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-C22				0	0	0	0	0	0
83-C23				0	0	0	0	0	0
83-C24				0	0	0	0	0	0
83-C25				0	0	0	0	0	0
83-C26				0	0	0	0	0	0
83-C27				0	0	0	0	0	0
83-C28	0.1417			0.011791587	0.224402146	0.16916742	0.014813202	0.209384814	0.010058617
83-C29	1.0811			0.089963904	1.712075935	1.290662651	0.113017309	1.597501218	0.076742206
83-C30	0.7003			0.058275573	1.109024861	0.836047595	0.073208788	1.034807236	0.049711005
83-C31	1.2933			0.107622159	2.048124879	1.543995936	0.135200523	1.911061258	0.091805287
83-C32	0.4552			0.037879538	0.720874078	0.543436906	0.047586235	0.672632092	0.032312508
83-C33				0	0	0	0	0	0
83-C34	0.8283			0.068927112	1.311731105	0.988859378	0.086589804	1.223948071	0.058797123
83-C35	1.3348			0.111075588	2.113846044	1.593540382	0.139538899	1.972384263	0.094751176
83-C36	4.133		0.6902	4.680031841	61.3905855	57.38412861	5.20026917	64.24237356	3.405393517
83-C8				0	0	0	0	0	0
83-C9				0	0	0	0	0	0
83-CC10				0	0	0	0	0	0
83-CC11	0.6946			0.057801246	1.099998099	0.829242695	0.072612915	1.026384559	0.049306388
83-CC12	1.0446			0.08692655	1.654272983	1.247087416	0.109201629	1.543566527	0.074151243
83-CC13	0.9746			0.08110149	1.543418006	1.163518472	0.101883886	1.440130134	0.069182272
83-CC14	0.5559			0.046259304	0.88034688	0.663656801	0.058113331	0.821432733	0.039460727
83-CC15				0	0	0	0	0	0
83-CC16				0	0	0	0	0	0
83-CC3	1.5861			0.131987557	2.511815411	1.893552892	0.165809595	2.343720916	0.112589782
83-CC4	1.8561			0.154455648	2.939398893	2.215890248	0.194035174	2.742689863	0.131755813
83-CC5	2.6654			0.221801673	4.22104079	3.182066627	0.278638733	3.938562342	0.189204215
83-CC6	2.4945			0.207580203	3.950396282	2.978039019	0.260772987	3.686029774	0.177072827
83-CC7	1.3194			0.109794075	2.089457949	1.575155214	0.137928995	1.949628256	0.093658003
83-CC8	0.0523			0.004352153	0.082824504	0.06243794	0.005467399	0.077281763	0.003712531
83-CC9				0	0	0	0	0	0
83-D10				0	0	0	0	0	0
83-D11				0	0	0	0	0	0

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-D12				0	0	0	0	0	0
83-D13				0	0	0	0	0	0
83-D14				0	0	0	0	0	0
83-D15				0	0	0	0	0	0
83-D16				0	0	0	0	0	0
83-D17				0	0	0	0	0	0
83-D18				0	0	0	0	0	0
83-D19				0	0	0	0	0	0
83-D20				0	0	0	0	0	0
83-D21				0	0	0	0	0	0
83-D22				0	0	0	0	0	0
83-D23				0	0	0	0	0	0
83-D24				0	0	0	0	0	0
83-D25				0	0	0	0	0	0
83-D26				0	0	0	0	0	0
83-D27				0	0	0	0	0	0
83-D28				0	0	0	0	0	0
83-D29	0.7568			0.062977229	1.198500664	0.903499671	0.079115252	1.118295183	0.053721674
83-D30	1.2395			0.103145184	1.962924911	1.479767234	0.129576315	1.831563001	0.087986278
83-D31	1.6336			0.135940276	2.587038431	1.950260389	0.170775206	2.413909898	0.115961584
83-D32	0.7957			0.066214298	1.260104358	0.949940127	0.083181826	1.175776264	0.056483002
83-D33	1.0707			0.089098466	1.695606053	1.278246694	0.111930101	1.582133526	0.076003959
83-D34	0.3659		0.0279	0.205727026	2.796473646	2.557015776	0.230996502	2.890679551	0.151770557
83-D35	0.2979		0.8397	5.300110281	67.19688268	64.16649412	5.832163484	71.16769769	3.807231525
83-D36	1.0708		0.0648	0.496205474	6.844969478	6.202675935	0.559607791	7.040352182	0.36818482
83-D8				0	0	0	0	0	0
83-D9				0	0	0	0	0	0
83-DD10	0.2108			0.017541755	0.333831845	0.251661906	0.022036859	0.311491311	0.014963701
83-DD11	1.6027			0.133368928	2.538103877	1.91337067	0.167544945	2.368250118	0.113768138
83-DD12	1.0806			0.089922296	1.711284114	1.29006573	0.112965039	1.596762387	0.076706714
83-DD13	0.7475			0.062203328	1.183772788	0.89239694	0.078143038	1.104552919	0.053061511
83-DD14	0.3273			0.02723632	0.518326199	0.390744506	0.034215674	0.483639024	0.023233488
83-DD15				0	0	0	0	0	0

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-DD4	3.5499			0.295405477	5.621772604	4.238019929	0.371103639	5.24555506	0.251990711
83-DD5	3.0853			0.256743716	4.886012286	3.683360908	0.322534735	4.559032938	0.219010942
83-DD6	1.222			0.101688919	1.935211167	1.458874997	0.127746879	1.805703902	0.086744035
83-DD7	1.4482			0.120512187	2.293431107	1.728922071	0.151393642	2.13995122	0.102800909
83-DD8	1.5577			0.129624246	2.466839963	1.859647777	0.162840682	2.301755294	0.1105738
83-DD9				0	0	0	0	0	0
83-E10				0	0	0	0	0	0
83-E11				0	0	0	0	0	0
83-E12				0	0	0	0	0	0
83-E13				0	0	0	0	0	0
83-E14				0	0	0	0	0	0
83-E15				0	0	0	0	0	0
83-E16				0	0	0	0	0	0
83-E17				0	0	0	0	0	0
83-E18				0	0	0	0	0	0
83-E19				0	0	0	0	0	0
83-E20				0	0	0	0	0	0
83-E21				0	0	0	0	0	0
83-E22				0	0	0	0	0	0
83-E23				0	0	0	0	0	0
83-E24				0	0	0	0	0	0
83-E25				0	0	0	0	0	0
83-E26				0	0	0	0	0	0
83-E27				0	0	0	0	0	0
83-E28				0	0	0	0	0	0
83-E29	1.3267			0.110401545	2.10101854	1.583870261	0.138692131	1.960415194	0.094176196
83-E30	1.5504			0.129016776	2.455279373	1.85093273	0.162077546	2.290968355	0.110055607
83-E31	1.5246			0.126869825	2.414421396	1.820131605	0.159380435	2.252844656	0.108224186
83-E32	0.2635			0.021927193	0.417289806	0.314577383	0.027546074	0.389364139	0.018704626
83-E33	1.7142	0.1386		2.973604486	108.1252461	55.90148693	3.215290836	58.79715891	2.370249803
83-E34	2.0547	0.8299	0.4255	19.79515718	668.2359163	357.2572268	21.33363943	375.770589	15.52819203
83-E35	0.7872	0.6251		12.8334093	476.658944	243.8312953	13.77536479	254.9202131	10.19714304
83-E36	1.1552	0.6229		12.81909665	475.5685409	243.4157879	13.76564331	254.5709113	10.1875741

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-E8				0	0	0	0	0	0
83-E9				0	0	0	0	0	0
83-EE10	2.4922			0.207388808	3.946753904	2.975293182	0.260532547	3.68263115	0.176909561
83-EE11	0.4495			0.037405212	0.711847316	0.536632006	0.046990362	0.664209414	0.031907892
83-EE12				0	0	0	0	0	0
83-EE13				0	0	0	0	0	0
83-EE14				0	0	0	0	0	0
83-EE4	1.7763			0.147815079	2.81302422	2.120621651	0.185692947	2.624772375	0.126091186
83-EE5	2.2682			0.188748613	3.592017978	2.707872561	0.23711577	3.35163469	0.161008854
83-EE6	1.8441			0.153457066	2.920395183	2.201564143	0.192780704	2.72495791	0.130903989
83-EE7	1.6259			0.13529952	2.574844384	1.941067806	0.169970254	2.402531894	0.115414997
83-EE8	0.8299			0.069060257	1.314264933	0.990769526	0.086757066	1.226312331	0.058910699
83-EE9	0.8668			0.072130896	1.372701342	1.034822298	0.090614562	1.280838087	0.061530057
83-F10				0	0	0	0	0	0
83-F11				0	0	0	0	0	0
83-F12				0	0	0	0	0	0
83-F13				0	0	0	0	0	0
83-F14				0	0	0	0	0	0
83-F15				0	0	0	0	0	0
83-F16				0	0	0	0	0	0
83-F17				0	0	0	0	0	0
83-F18				0	0	0	0	0	0
83-F19				0	0	0	0	0	0
83-F20				0	0	0	0	0	0
83-F21				0	0	0	0	0	0
83-F22				0	0	0	0	0	0
83-F23				0	0	0	0	0	0
83-F24				0	0	0	0	0	0
83-F25				0	0	0	0	0	0
83-F26				0	0	0	0	0	0
83-F27				0	0	0	0	0	0
83-F28				0	0	0	0	0	0
83-F29	0.3885			0.032329088	0.615245121	0.46380764	0.040613472	0.574071985	0.027577788

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-F30	0.8663			0.072089288	1.371909521	1.034225377	0.090562293	1.280099256	0.061494564
83-F31	1.8104	0.1344		2.895823206	105.083333	54.38436475	3.133344785	57.23433585	2.308940201
83-F32	2.1339	0.6657		13.7747454	509.669478	261.2147503	14.80550733	273.3915991	10.95141003
83-F33	3.2798	0.618		12.89581123	475.2065116	244.04826	13.88041074	255.721217	10.25889468
83-F34	1.9267			0.160330638	3.051204055	2.300175497	0.20141564	2.847012855	0.136767375
83-F35	0.6895			0.057376849	1.091921522	0.8231541	0.072079765	1.018848478	0.048944363
83-F36				0	0	0	0	0	0
83-F8				0	0	0	0	0	0
83-F9				0	0	0	0	0	0
83-FF10	0.8392			0.069834158	1.328992808	1.001872257	0.087729281	1.240054595	0.059570863
83-FF11	0.1943			0.016168705	0.307701743	0.231963512	0.020311963	0.287109876	0.013792444
83-FF12	0.7039			0.058575147	1.114725974	0.840345426	0.07358513	1.040126822	0.049966552
83-FF13	0.0783			0.006515747	0.12399921	0.093477833	0.008185418	0.115700995	0.005558149
83-FF14				0	0	0	0	0	0
83-FF4	1.9169			0.15951513	3.035684359	2.288475845	0.200391156	2.83253176	0.136071719
83-FF5	3.7973			0.315992906	6.013565765	4.533376455	0.396966632	5.611128828	0.269552474
83-FF6	2.9989			0.249553927	4.749185572	3.580212954	0.31350255	4.431362875	0.212877812
83-FF7	1.61			0.133976399	2.549664467	1.922085717	0.168308081	2.379037056	0.114286331
83-FF8	1.0395			0.086502153	1.646196406	1.240998821	0.108668479	1.536030447	0.073789218
83-FF9	1.1668			0.097095442	1.8477941	1.392974916	0.121976316	1.724136918	0.082825646
83-G10				0	0	0	0	0	0
83-G11				0	0	0	0	0	0
83-G12				0	0	0	0	0	0
83-G13				0	0	0	0	0	0
83-G14				0	0	0	0	0	0
83-G15				0	0	0	0	0	0
83-G16				0	0	0	0	0	0
83-G17				0	0	0	0	0	0
83-G18				0	0	0	0	0	0
83-G19				0	0	0	0	0	0
83-G20				0	0	0	0	0	0
83-G21		0.3057		6.244037344	232.4964651	118.7840864	6.696483717	124.0977667	4.959501242
83-G22	0.4362	0.6268		12.83892392	477.3960001	244.0728159	13.77591073	255.0916621	10.19980703

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-G23	0.1419	0.623		12.73681728	474.0398897	242.2449241	13.6619043	253.1141903	10.11726704
83-G24	0.1666	1.1169	0.0124	22.90486734	850.6940631	435.1285935	24.56923294	454.691984	18.18768013
83-G25	0.4048	0.6347		12.99767143	483.3545239	247.1049868	13.94568094	258.2522388	10.32574315
83-G26		0.539		11.00927749	409.9299793	209.4361223	11.80701578	218.8050254	8.744426462
83-G27		0.1706		3.48456909	129.7477819	66.28905836	3.737062879	69.2544292	2.767716428
83-G28		0.5009		10.23107068	380.9534817	194.6318249	10.97241967	203.3384735	8.126313942
83-G29	1.2878	0.8914		18.31434435	679.9829835	347.9035882	19.66110768	363.7634159	14.55297655
83-G30	1.8107	0.6604		13.63959578	505.1267934	258.7695101	14.6556216	270.7625034	10.84248342
83-G31	2.1989	0.5093		10.58562563	390.8242724	200.5209038	11.38629632	209.9976546	8.418680291
83-G32	1.8282			0.152133945	2.895215267	2.182582054	0.191118531	2.701463072	0.129775323
83-G33	0.8314			0.069185079	1.316640396	0.992560289	0.086913875	1.228528825	0.059017177
83-G34	1.2345			0.102729108	1.955006699	1.473798023	0.129053619	1.824174687	0.087631351
83-G35	1.1873			0.098801353	1.880258772	1.417448678	0.12411937	1.754429004	0.084280845
83-G36	0.044			0.003661467	0.069680271	0.052529051	0.004599724	0.065017162	0.003123353
83-G8				0	0	0	0	0	0
83-G9				0	0	0	0	0	0
83-GG10	1.34			0.111508307	2.122080985	1.599748361	0.140082503	1.980068109	0.0951203
83-GG11	0.6446			0.053640489	1.020815972	0.769550592	0.067385956	0.95250142	0.045757123
83-GG12				0	0	0	0	0	0
83-GG4	4.5846			0.381508197	7.260367526	5.473288309	0.479270329	6.774492726	0.3254392
83-GG5	1.0414			0.086660262	1.649205327	1.243267121	0.108867103	1.538838006	0.07392409
83-GG6	0.9739			0.081043239	1.542309456	1.162682782	0.101810708	1.43909577	0.069132582
83-GG7	0.5816			0.048397934	0.921046493	0.694338542	0.060799988	0.859408666	0.04128505
83-GG8	0.3446			0.028675942	0.545723215	0.411397974	0.036024202	0.50920259	0.024461534
83-GG9	0.2067			0.017200572	0.32733891	0.246767154	0.021608249	0.305432894	0.014672661
83-H10				0	0	0	0	0	0
83-H11				0	0	0	0	0	0
83-H12				0	0	0	0	0	0
83-H13				0	0	0	0	0	0
83-H14				0	0	0	0	0	0
83-H15				0	0	0	0	0	0
83-H16	0.1099			0.009145345	0.174042314	0.131203242	0.011488856	0.162395138	0.007801284
83-H17				0	0	0	0	0	0

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-H18				0	0	0	0	0	0
83-H19				0	0	0	0	0	0
83-H20		0.3779		7.718749467	287.4073083	146.8384241	8.278054291	153.4070855	6.130832579
83-H21		0.4438		9.064781724	337.5267622	172.4448072	9.721620784	180.158943	7.199956334
83-H22	0.6714			0.055870655	1.063257592	0.801545559	0.070187606	0.992102782	0.047659529
83-H23	1.4243			0.118523345	2.25558205	1.700389246	0.148895156	2.10463508	0.101104361
83-H24	1.3001	0.144		3.049442119	111.5763649	57.5053638	3.290290373	60.37736848	2.42846129
83-H25	0.8082			0.067254488	1.27989989	0.964863153	0.084488566	1.194247049	0.057370318
83-H26	0.9527	0.1038		2.199433073	80.45258011	41.47034085	2.373375995	43.54498943	1.751619283
83-H27	1.3292	0.8952	0.0198	18.51979715	684.5119589	350.9342076	19.88546337	367.0349307	14.70683968
83-H28	2.1393	0.1445		3.129488965	113.2856267	58.70151817	3.388972358	61.82039619	2.496143865
83-H29	1.5218	0.1409		3.004572255	109.5697907	56.56548945	3.24555994	59.44653296	2.393906111
83-H30	0.7504			0.062444652	1.188365352	0.895859082	0.078446201	1.108838141	0.053267368
83-H31	0.4613			0.038387151	0.730534297	0.550719342	0.048223924	0.681645835	0.032745518
83-H32				0	0	0	0	0	0
83-H33				0	0	0	0	0	0
83-H34	0.6332			0.052691836	1.002762448	0.755940792	0.066194209	0.935656065	0.044947891
83-H35				0	0	0	0	0	0
83-H7				0	0	0	0	0	0
83-H8				0	0	0	0	0	0
83-H9				0	0	0	0	0	0
83-HH4	0.7998			0.066555481	1.266597293	0.95483488	0.083610437	1.181834682	0.056774042
83-HH5	1.1037			0.091844566	1.747866256	1.317643482	0.115379894	1.630896397	0.078346474
83-HH6	1.6465			0.137013752	2.60746742	1.965660952	0.172123762	2.432971747	0.116877294
83-HH7	0.7535			0.062702619	1.193274644	0.899559992	0.078770273	1.113418896	0.053487422
83-HH8				0	0	0	0	0	0
83-HH9	0.4859			0.040434244	0.769491904	0.580087857	0.050795588	0.717996339	0.034491757
83-I10				0	0	0	0	0	0
83-I11				0	0	0	0	0	0
83-I12				0	0	0	0	0	0
83-I13				0	0	0	0	0	0
83-I14	0.7342			0.061096566	1.162710343	0.876518841	0.076752667	1.084900004	0.052117406
83-I15	1.4789			0.123066892	2.342048932	1.765573023	0.154602995	2.185315467	0.104980158

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-I16	0.1309			0.010892864	0.207298807	0.156273926	0.013684179	0.193426056	0.009291976
83-I17				0	0	0	0	0	0
83-I18				0	0	0	0	0	0
83-I19				0	0	0	0	0	0
83-I20		0.6357		12.98441132	483.4740034	247.0102837	13.92526889	258.0600272	10.31323173
83-I21				0	0	0	0	0	0
83-I22				0	0	0	0	0	0
83-I23				0	0	0	0	0	0
83-I24				0	0	0	0	0	0
83-I25				0	0	0	0	0	0
83-I26				0	0	0	0	0	0
83-I27				0	0	0	0	0	0
83-I28				0	0	0	0	0	0
83-I29				0	0	0	0	0	0
83-I30				0	0	0	0	0	0
83-I31	0.2907			0.024190645	0.460364882	0.347049887	0.03038954	0.429556567	0.020635426
83-I32				0	0	0	0	0	0
83-I33				0	0	0	0	0	0
83-I34	0.4275			0.035574479	0.67700718	0.510367481	0.0446905	0.631700833	0.030346215
83-I35				0	0	0	0	0	0
83-I7	0.3786			0.031505257	0.59956706	0.451988604	0.039578534	0.559443124	0.026875034
83-I8				0	0	0	0	0	0
83-I9				0	0	0	0	0	0
83-II6	0.3324			0.027660717	0.526402776	0.396833101	0.034748824	0.491175104	0.023595513
83-J10				0	0	0	0	0	0
83-J11				0	0	0	0	0	0
83-J12	0.5738			0.047748856	0.908694082	0.685026574	0.059984582	0.847882896	0.040731364
83-J13	1.2946	0.2583		5.383604876	198.4971477	101.9116896	5.793503726	106.768897	4.282408431
83-J14	1.5389	0.6784		13.98463466	518.3860433	265.4391801	15.02150522	277.667907	11.11521128
83-J15	0.0992	0.676		13.8158089	514.2807819	262.7878515	14.81842718	274.566245	10.97407753
83-J16	0.8337	0.622		12.77396014	474.3749156	242.6822598	13.71231909	253.7304911	10.15015124
83-J17	0.6271	0.7519		15.41002419	572.8416206	292.9101061	16.53623401	306.1576231	12.24290868
83-J18	1.426	0.889	0.025	18.43388346	680.3631278	349.0358339	19.79569314	365.0990951	14.63657186

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-J19	2.3098	0.6259		12.976453	479.6786285	245.9598906	13.95206047	257.4948595	10.318204
83-J20	0.0665	0.4318		8.825211024	328.5056184	167.8614269	9.465707724	175.3858527	7.009995747
83-J21				0	0	0	0	0	0
83-J22				0	0	0	0	0	0
83-J23				0	0	0	0	0	0
83-J24				0	0	0	0	0	0
83-J25				0	0	0	0	0	0
83-J26	0.4533			0.03772143	0.717865157	0.541168606	0.047387611	0.669824533	0.032177636
83-J27	0.3361			0.027968613	0.532262253	0.401250316	0.035135619	0.496642456	0.023858159
83-J28	0.3118			0.025946485	0.49377974	0.372239954	0.032595317	0.460735251	0.022133216
83-J29				0	0	0	0	0	0
83-J30				0	0	0	0	0	0
83-J31				0	0	0	0	0	0
83-J32				0	0	0	0	0	0
83-J33				0	0	0	0	0	0
83-J34				0	0	0	0	0	0
83-J6	0.1655			0.013772108	0.262092838	0.197580861	0.017301234	0.244553188	0.011748067
83-J7				0	0	0	0	0	0
83-J8				0	0	0	0	0	0
83-J9				0	0	0	0	0	0
83-K10				0	0	0	0	0	0
83-K11	0.0182	0.1438		2.938683538	109.394186	55.89726481	3.151900515	58.40196332	2.334220551
83-K12	2.3766	0.8296		17.1426608	634.7060054	325.1901738	18.42117563	340.2848172	13.62765764
83-K13	2.3895	0.4512		9.414772116	346.9388571	178.1728681	10.13351719	186.6938204	7.489629055
83-K14	1.726			0.143629357	2.733367	2.060571396	0.180434626	2.550445937	0.122520625
83-K15	0.8303			0.069093543	1.31489839	0.991247063	0.086798882	1.226903396	0.058939093
83-K16	1.3871			0.115427741	2.196670548	1.655978322	0.145006298	2.049666025	0.098463708
83-K17	0.6821			0.056761057	1.080202567	0.814319669	0.071306175	1.007913774	0.048419072
83-K18	0.8965			0.074602386	1.419735525	1.070279407	0.093719376	1.324724671	0.06363832
83-K19	3.7454			0.31167404	5.931374718	4.471416052	0.391541049	5.534438131	0.265868337
83-K20	0.6272			0.052192545	0.993260593	0.74877774	0.065566974	0.926790088	0.044521979
83-K21	0.7505			0.062452973	1.188523716	0.895978466	0.078456655	1.108985907	0.053274467
83-K22	0.6273			0.052200866	0.993418957	0.748897124	0.065577428	0.926937854	0.044529078

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-K23	1.3109			0.109086746	2.075996988	1.565007557	0.137040412	1.937068122	0.093054628
83-K24	1.2719			0.105841355	2.014234929	1.518447716	0.132963384	1.879439274	0.090286201
83-K25	1.8338			0.15259995	2.904083665	2.18926757	0.19170395	2.709737984	0.13017284
83-K26	1.6502			0.137321648	2.613326897	1.970078168	0.172510557	2.4384391	0.11713994
83-K27	1.8424			0.153315601	2.917702991	2.199534612	0.192602987	2.722445884	0.130783314
83-K28	0.9619			0.080044657	1.523305746	1.148356678	0.100556238	1.421363816	0.068280759
83-K29				0	0	0	0	0	0
83-K30				0	0	0	0	0	0
83-K31				0	0	0	0	0	0
83-K32				0	0	0	0	0	0
83-K5	0.1151			0.009578064	0.182277255	0.137411221	0.01203246	0.170078985	0.008170408
83-K6	0.89			0.074061488	1.409441848	1.062519433	0.093039871	1.315119863	0.063176916
83-K7	0.1012			0.008421374	0.160264624	0.120816816	0.010579365	0.149539472	0.007183712
83-K8				0	0	0	0	0	0
83-K9				0	0	0	0	0	0
83-L10	1.157	0.6925		14.24085259	528.5048359	270.4620075	15.29044799	282.8274297	11.3168523
83-L11	1.4582	0.5083		10.50356279	388.8907304	199.2480608	11.28695874	208.4972036	8.349878055
83-L12	1.9922			0.165781231	3.154932641	2.378372152	0.208262956	2.943799766	0.141416912
83-L13	1.5985			0.133019424	2.531452578	1.908356533	0.167105881	2.362043934	0.11347
83-L14	0.7552			0.062844085	1.195966836	0.901589524	0.07894799	1.115930922	0.053608097
83-L15				0	0	0	0	0	0
83-L16	0.7908			0.065806544	1.25234451	0.944090301	0.082669584	1.168535717	0.056135174
83-L17				0	0	0	0	0	0
83-L18	1.2463			0.103711047	1.973693681	1.48788536	0.130287181	1.841611108	0.088468978
83-L19	1.7523			0.145817915	2.775016799	2.091969442	0.183184007	2.589308468	0.124387539
83-L20	0.3086			0.025680197	0.488712084	0.36841966	0.032260791	0.45600673	0.021906063
83-L21	2.0593			0.171364968	3.261195054	2.458478954	0.215277536	3.042950938	0.146180025
83-L22	1.8314			0.152400234	2.900282923	2.186402349	0.191453056	2.706191593	0.130002476
83-L23	0.6725			0.055962191	1.064999599	0.802858785	0.070302599	0.993728211	0.047737613
83-L24	0.2425			0.020179675	0.384033313	0.2895067	0.025350751	0.358333221	0.017213935
83-L25	0.774			0.06440853	1.225739315	0.924033755	0.080913326	1.143710982	0.054942621
83-L26	0.171			0.014229791	0.270802872	0.204146992	0.0178762	0.252680333	0.012138486
83-L27				0	0	0	0	0	0

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-L28				0	0	0	0	0	0
83-L29				0	0	0	0	0	0
83-L30				0	0	0	0	0	0
83-L5	1.1603			0.096554544	1.837500423	1.385214942	0.121296812	1.71453211	0.082364242
83-L6	0.9975			0.083007117	1.57968342	1.190857455	0.104277833	1.473968611	0.070807835
83-L7	0.2909			0.024207288	0.460681611	0.347288655	0.030410448	0.429852099	0.020649623
83-L8				0	0	0	0	0	0
83-L9	0.1859	0.2707		5.544618892	206.1720344	105.4062735	5.949228215	110.1643457	4.404877509
83-M10	0.0071			0.000590828	0.011243862	0.008476279	0.000742228	0.010491406	0.000503996
83-M11	0.5578			0.046417413	0.883355801	0.665925101	0.058311955	0.824240292	0.0395956
83-M12	0.6477			0.053898456	1.025725264	0.773251502	0.067710028	0.957082175	0.045977178
83-M13				0	0	0	0	0	0
83-M14				0	0	0	0	0	0
83-M15	0.4736			0.039410697	0.7500131	0.5654036	0.049509756	0.699821087	0.033618637
83-M16	0.4801			0.039951596	0.760306777	0.573163573	0.050189261	0.709425895	0.034080042
83-M17				0	0	0	0	0	0
83-M18	0.6595			0.054880394	1.044412246	0.787338839	0.06894359	0.974518595	0.046814804
83-M19	0.9256			0.077023947	1.465819522	1.105020211	0.096761466	1.367724658	0.065703992
83-M20	0.4206			0.035000294	0.666080047	0.50212997	0.04396918	0.62150496	0.029856417
83-M21	0.7082			0.058932972	1.121535637	0.845478947	0.074034648	1.046480772	0.050271788
83-M22	1.7956			0.149421131	2.84358852	2.143662803	0.187710553	2.653291266	0.127461202
83-M23	0.5559			0.046259304	0.88034688	0.663656801	0.058113331	0.821432733	0.039460727
83-M24	0.8785			0.073104513	1.391229959	1.04879025	0.091837671	1.298126742	0.062360585
83-M25	0.0749			0.006232815	0.118614825	0.08941877	0.007829985	0.110676941	0.005316799
83-M26	0.9121			0.075900542	1.444440348	1.088903343	0.095350187	1.347776211	0.064745691
83-M27				0	0	0	0	0	0
83-M28				0	0	0	0	0	0
83-M29				0	0	0	0	0	0
83-M4	0.5408			0.045002756	0.856433878	0.645629786	0.056534789	0.799120025	0.038388849
83-M5	0.6088			0.050661386	0.96412157	0.726811046	0.063643453	0.899601093	0.04321585
83-M6	1.4191			0.118090626	2.247347109	1.694181268	0.148351552	2.096951234	0.100735237
83-M7	0.9815			0.081675674	1.55434514	1.171755982	0.102605206	1.450326007	0.069672071
83-M8	0.7179	0.1561		3.248141302	119.856878	61.51193618	3.494483118	64.42902276	2.5834371

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-M9	1.662	0.6952		14.33802476	531.358028	272.1140212	15.40238488	284.6697042	11.39650313
83-N10	0.8365			0.069609477	1.324716973	0.998648883	0.087447025	1.236064905	0.059379202
83-N11	0.2192			0.018240762	0.347134442	0.26169018	0.022914988	0.323903679	0.015559977
83-N12				0	0	0	0	0	0
83-N13				0	0	0	0	0	0
83-N14	0.8222			0.0684195	1.302070885	0.981576942	0.085952115	1.214934328	0.058364112
83-N15	0.3756			0.031255612	0.594816133	0.448407078	0.039264916	0.555010136	0.026662078
83-N16				0	0	0	0	0	0
83-N17	0.3813			0.031729938	0.603842895	0.455211978	0.03986079	0.563432813	0.027066694
83-N18	1.3			0.108179701	2.058735284	1.551994678	0.135900935	1.920961598	0.092280888
83-N19	1.3842			0.115186417	2.192077985	1.65251618	0.144703134	2.045380803	0.09825785
83-N20	0.0525			0.004368796	0.083141233	0.062676708	0.005488307	0.077577295	0.003726728
83-N21				0	0	0	0	0	0
83-N22	0.1616			0.013447569	0.255916632	0.192924877	0.016893532	0.238790303	0.011471224
83-N23	1.4609			0.121569019	2.313543367	1.744083866	0.15272129	2.158717538	0.103702423
83-N24	0.6179			0.051418644	0.978532717	0.737675009	0.06459476	0.913047824	0.043861816
83-N25				0	0	0	0	0	0
83-N26	0.1471			0.012240949	0.232953816	0.175614167	0.015377714	0.217364193	0.010441937
83-N27	0.9624			0.080086265	1.524097567	1.148953599	0.100608508	1.422102648	0.068316251
83-N28	0.0192			0.001597731	0.030405937	0.022921768	0.002007152	0.028371125	0.001362918
83-N29				0	0	0	0	0	0
83-N3				0	0	0	0	0	0
83-N4	0.4094			0.034068284	0.64834325	0.488758939	0.042798341	0.604955137	0.029061381
83-N5	1.796			0.149454417	2.844221977	2.14414034	0.187752369	2.653882331	0.127489596
83-N6	1.6114			0.1340929	2.551881567	1.923757096	0.168454436	2.381105784	0.11438571
83-N7	2.7326	0.7425		15.39323517	569.0269228	291.7712368	16.5504304	305.4529473	12.23986802
83-N8	1.1706	0.5527		11.38651679	422.2031618	216.1569638	12.22949346	226.096241	9.049782785
83-N9	0.7563			0.062935621	1.197708843	0.90290275	0.079062983	1.117556351	0.053686181
83-O10				0	0	0	0	0	0
83-O11				0	0	0	0	0	0
83-O12				0	0	0	0	0	0
83-O13	0.5723			0.047624033	0.906318618	0.683235811	0.059827773	0.845666402	0.040624886
83-O14	0.2801			0.023308565	0.443578272	0.334395161	0.029281425	0.413893341	0.019882982

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-O15				0	0	0	0	0	0
83-O16				0	0	0	0	0	0
83-O17	0.7884			0.065606828	1.248543768	0.94122508	0.08241869	1.164989326	0.055964809
83-O18				0	0	0	0	0	0
83-O19	0.8197			0.068211462	1.298111779	0.978592337	0.085690767	1.211240171	0.058186649
83-O2	0.759	1.0316		21.13397785	785.7729803	401.7489902	22.67696579	419.8956912	16.78996381
83-O20	0.6915			0.057543279	1.095088807	0.825541785	0.072288844	1.021803804	0.049086334
83-O21				0	0	0	0	0	0
83-O22				0	0	0	0	0	0
83-O23	0.261			0.021719155	0.413330699	0.311592778	0.027284726	0.385669982	0.018527163
83-O24	0.8278			0.068885505	1.310939283	0.988262457	0.086537534	1.223209239	0.05876163
83-O25				0	0	0	0	0	0
83-O26				0	0	0	0	0	0
83-O27	0.094			0.007822225	0.148862397	0.112221154	0.009826683	0.1389003	0.006672618
83-O28	0.3451			0.02871755	0.546515036	0.411994895	0.036076471	0.509941421	0.024497027
83-O29				0	0	0	0	0	0
83-O3		0.3442		7.030414307	261.7771779	133.7438094	7.539841987	139.7266971	5.584103132
83-O4				0	0	0	0	0	0
83-O5	0.3031	0.3178		6.516406903	242.1789768	123.8475672	6.993224999	129.4575959	5.177320337
83-O6	2.3164	0.9541		19.68061051	729.2976505	373.4945517	21.14210587	390.7361693	15.64320082
83-O7	2.2068	0.2705		5.708703323	209.22031	107.741196	6.156110364	113.0693652	4.545087014
83-O8	1.9331			0.160863215	3.061339368	2.307816086	0.202084691	2.856469897	0.137221681
83-O9	1.0477			0.087184517	1.659182275	1.250788326	0.1095257	1.548147282	0.074371297
83-P1				0	0	0	0	0	0
83-P10				0	0	0	0	0	0
83-P11				0	0	0	0	0	0
83-P12	0.2654			0.022085302	0.420298726	0.316845683	0.027744699	0.392171699	0.018839498
83-P13	0.8443			0.070258555	1.337069385	1.007960851	0.088262431	1.247590675	0.059932888
83-P14				0	0	0	0	0	0
83-P15				0	0	0	0	0	0
83-P16	0.4446			0.036997458	0.704087467	0.53078218	0.04647812	0.656968867	0.031560064
83-P17	0.3443			0.028650978	0.545248122	0.411039821	0.03599284	0.508759291	0.024440238
83-P18				0	0	0	0	0	0

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-P19	0.7167			0.059640301	1.134996599	0.855626604	0.074923231	1.059040906	0.050875163
83-P2	0.0776			0.006457496	0.12289066	0.092642144	0.00811224	0.114666631	0.005508459
83-P20	1.4516			0.120795118	2.298815491	1.732981134	0.151749075	2.144975274	0.103042259
83-P21	1.074			0.089373076	1.700832073	1.282186373	0.11227508	1.587009813	0.076238211
83-P22	0.6603			0.054946967	1.04567916	0.788293912	0.069027221	0.975700726	0.046871593
83-P23	1.3023			0.108371096	2.062377662	1.554740515	0.136141375	1.924360223	0.092444154
83-P24	1.1591			0.096454686	1.835600052	1.383782332	0.121171365	1.712758914	0.08227906
83-P25				0	0	0	0	0	0
83-P26				0	0	0	0	0	0
83-P27				0	0	0	0	0	0
83-P28				0	0	0	0	0	0
83-P29				0	0	0	0	0	0
83-P3	1.4846	0.3438		7.145785375	263.8240384	135.3607617	7.686278692	141.7580568	5.682998536
83-P4	2.3743	0.852		17.59999782	651.7384141	333.8912668	18.91161636	349.3746145	13.99089911
83-P5	5.9558	0.375		8.155128695	294.6336063	152.8218724	8.837143058	161.0305053	6.506558885
83-P6	2.675			0.222600538	4.236243758	3.193527511	0.279642309	3.952747904	0.189885674
83-P7	1.9046			0.158491583	3.016205556	2.273791588	0.199105324	2.814356508	0.1351986
83-P8	0.6792			0.056519733	1.075610004	0.810857527	0.071003012	1.003628552	0.048213215
83-P9				0	0	0	0	0	0
83-Q1				0	0	0	0	0	0
83-Q10				0	0	0	0	0	0
83-Q11				0	0	0	0	0	0
83-Q12	0.7481			0.062253257	1.184722974	0.893113245	0.078205761	1.105439517	0.053104102
83-Q13				0	0	0	0	0	0
83-Q14				0	0	0	0	0	0
83-Q15				0	0	0	0	0	0
83-Q16	0.7978			0.06638905	1.263430008	0.952447196	0.083401359	1.178879356	0.056632071
83-Q17				0	0	0	0	0	0
83-Q18				0	0	0	0	0	0
83-Q19	0.6493			0.0540316	1.028259092	0.77516165	0.06787729	0.959446435	0.046090754
83-Q2				0	0	0	0	0	0
83-Q20				0	0	0	0	0	0
83-Q21	0.5986			0.049812591	0.947968416	0.714633857	0.062577154	0.884528933	0.0424918

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-Q22	0.4			0.033286062	0.633457011	0.477536824	0.041815672	0.591065107	0.028394119
83-Q23	2.0083			0.167120995	3.180429286	2.397593009	0.209946037	2.967590137	0.142559775
83-Q24	1.3157			0.109486179	2.083598472	1.570737998	0.1375422	1.944160904	0.093395357
83-Q25	0.2698			0.022451449	0.427266754	0.322098588	0.028204671	0.398673415	0.019151834
83-Q26				0	0	0	0	0	0
83-Q27				0	0	0	0	0	0
83-Q28				0	0	0	0	0	0
83-Q29				0	0	0	0	0	0
83-Q3				0	0	0	0	0	0
83-Q30				0	0	0	0	0	0
83-Q31				0	0	0	0	0	0
83-Q4	0.8147			0.067795386	1.290193566	0.972623126	0.085168071	1.203851857	0.057831723
83-Q5	1.9554			0.162718913	3.096654596	2.334438764	0.204415915	2.889421776	0.138804653
83-Q6	1.1811			0.098285419	1.870440188	1.410046857	0.123471227	1.745267495	0.083840736
83-Q7	0.9146			0.07610858	1.448399455	1.091887948	0.095611535	1.351470368	0.064923154
83-Q8	0.1765			0.014687475	0.279512906	0.210713124	0.018451165	0.260807479	0.012528905
83-Q9				0	0	0	0	0	0
83-R10				0	0	0	0	0	0
83-R11				0	0	0	0	0	0
83-R12	0.6568			0.054655713	1.040136411	0.784115465	0.068661334	0.970528906	0.046623144
83-R13				0	0	0	0	0	0
83-R14				0	0	0	0	0	0
83-R15				0	0	0	0	0	0
83-R16	0.6456			0.053723704	1.022399615	0.770744434	0.067490495	0.953979083	0.045828109
83-R17				0	0	0	0	0	0
83-R18				0	0	0	0	0	0
83-R19	0.1019			0.008479624	0.161373173	0.121652506	0.010652543	0.150573836	0.007233402
83-R2	0.3968			0.033019773	0.628389354	0.473716529	0.041481147	0.586336586	0.028166966
83-R20				0	0	0	0	0	0
83-R21	0.0441			0.003669788	0.069838635	0.052648435	0.004610178	0.065164928	0.003130452
83-R22	2.1998			0.183056697	3.483696829	2.626213764	0.22996529	3.250562557	0.15615346
83-R23	0.8794			0.073179407	1.392655238	1.049864708	0.091931756	1.299456638	0.062424472
83-R24	0.7524			0.062611082	1.191532637	0.898246766	0.07865528	1.111793467	0.053409339

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-R25	1.3356			0.11114216	2.115112958	1.594495455	0.13962253	1.973566393	0.094807965
83-R26				0	0	0	0	0	0
83-R27				0	0	0	0	0	0
83-R28				0	0	0	0	0	0
83-R29				0	0	0	0	0	0
83-R3	1.7789			0.148031438	2.81714169	2.123725641	0.185964749	2.628614298	0.126275748
83-R30				0	0	0	0	0	0
83-R31				0	0	0	0	0	0
83-R4	0.783			0.065157466	1.239992098	0.934778333	0.081854179	1.157009947	0.055581489
83-R5				0	0	0	0	0	0
83-R6				0	0	0	0	0	0
83-R7	1.6013			0.133252427	2.535886777	1.911699291	0.167398591	2.36618139	0.113668759
83-R8	0.9026			0.075109998	1.429395744	1.077561843	0.094357065	1.333738414	0.06407133
83-R9	0.5121			0.042614481	0.810983338	0.611366519	0.053534515	0.756711103	0.036351571
83-S10				0	0	0	0	0	0
83-S11				0	0	0	0	0	0
83-S12	0.6708			0.055820726	1.062307407	0.800829254	0.070124883	0.991216185	0.047616938
83-S13				0	0	0	0	0	0
83-S14				0	0	0	0	0	0
83-S15	0.1363			0.011342226	0.215850476	0.162720673	0.01424869	0.201405435	0.009675296
83-S16	0.5404			0.044969469	0.855800421	0.645152249	0.056492973	0.79852896	0.038360455
83-S17				0	0	0	0	0	0
83-S18	0.4157			0.03459254	0.658320198	0.496280144	0.043456938	0.614264413	0.029508589
83-S19	0.3572			0.029724453	0.56567711	0.426440384	0.037341395	0.527821141	0.025355949
83-S2	0.3016			0.025097691	0.477626586	0.360062765	0.031529017	0.445663091	0.021409166
83-S20	0.727			0.060497417	1.151308117	0.867923178	0.075999985	1.074260832	0.051606312
83-S21	1.567			0.130398147	2.481567839	1.870750508	0.163812897	2.315497557	0.111233963
83-S22				0	0	0	0	0	0
83-S23				0	0	0	0	0	0
83-S24	0.3942			0.032803414	0.624271884	0.47061254	0.041209345	0.582494663	0.027982405
83-S25	0.7092			0.059016188	1.12311928	0.846672789	0.074139187	1.047958435	0.050342774
83-S26	0.9824			0.081750568	1.555770418	1.17283044	0.102699291	1.451655903	0.069735957
83-S27				0	0	0	0	0	0

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-S28				0	0	0	0	0	0
83-S29				0	0	0	0	0	0
83-S3	0.6688			0.055654295	1.059140122	0.79844157	0.069915804	0.988260859	0.047474968
83-S30				0	0	0	0	0	0
83-S31				0	0	0	0	0	0
83-S4				0	0	0	0	0	0
83-S5				0	0	0	0	0	0
83-S6				0	0	0	0	0	0
83-S7	1.1904			0.09905932	1.885168063	1.421149588	0.124443441	1.759009759	0.084500899
83-S8	1.1205			0.093242581	1.774471451	1.337700028	0.117136152	1.655721131	0.079539027
83-S9	1.375			0.114420837	2.177508474	1.641532833	0.143741374	2.031786306	0.097604785
83-T1	1.052			0.087542343	1.665991938	1.255921847	0.109975218	1.554501232	0.074676534
83-T10	1.1582			0.096379792	1.834174774	1.382707874	0.121077279	1.711429018	0.082215173
83-T11	0.1386			0.01153362	0.219492854	0.16546651	0.01448913	0.20480406	0.009838562
83-T12	0.5407			0.044994434	0.856275514	0.645510402	0.056524335	0.798972259	0.038381751
83-T13				0	0	0	0	0	0
83-T14				0	0	0	0	0	0
83-T15	0.8201			0.068244748	1.298745236	0.979069873	0.085732582	1.211831236	0.058215043
83-T16				0	0	0	0	0	0
83-T17	0.6988			0.05815075	1.106649397	0.834256832	0.07305198	1.032590742	0.049604527
83-T18	0.0495			0.00411915	0.078390305	0.059095182	0.005174689	0.073144307	0.003513772
83-T19	0.7199			0.05990659	1.140064255	0.859446899	0.075257756	1.063769427	0.051102316
83-T2	1.2127			0.100915018	1.920483292	1.447772266	0.126774665	1.791961639	0.086083872
83-T20				0	0	0	0	0	0
83-T21	0.7698			0.064059026	1.219088017	0.919019618	0.080474262	1.137504799	0.054644483
83-T22				0	0	0	0	0	0
83-T23				0	0	0	0	0	0
83-T24	0.6916			0.057551601	1.095247171	0.825661169	0.072299298	1.02195157	0.049093432
83-T25				0	0	0	0	0	0
83-T29				0	0	0	0	0	0
83-T3				0	0	0	0	0	0
83-T4				0	0	0	0	0	0
83-T5				0	0	0	0	0	0

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-T6	0.7892			0.0656734	1.249810682	0.942180154	0.082502322	1.166171456	0.056021598
83-T7	0.5083			0.042298263	0.804965496	0.606829919	0.053137266	0.751095985	0.036081827
83-T8				0	0	0	0	0	0
83-T9	0.2473			0.020579108	0.391634797	0.295237141	0.025852539	0.365426002	0.017554664
83-U1	1.55			0.128983489	2.454645916	1.850455193	0.162035731	2.29037729	0.110027213
83-U10	0.3974			0.033069702	0.62933954	0.474432835	0.041543871	0.587223184	0.028209558
83-U11	1.2315			0.102479463	1.950255771	1.470216497	0.128740001	1.819741699	0.087418395
83-U12	0.2632			0.021902229	0.416814713	0.31421923	0.027514712	0.388920841	0.018683331
83-U13	0.7112			0.059182618	1.126286565	0.849060473	0.074348266	1.050913761	0.050484744
83-U14	0.6487			0.053981671	1.027308907	0.774445344	0.067814567	0.958559838	0.046048163
83-U15	0.1975			0.016434993	0.312769399	0.235783807	0.020646488	0.291838397	0.014019596
83-U16	0.1966			0.016360099	0.311344121	0.234709349	0.020552403	0.2905085	0.01395571
83-U17	0.6214			0.051709897	0.984075466	0.741853456	0.064960647	0.918219644	0.044110265
83-U18	0.1556			0.012948278	0.246414777	0.185761825	0.016266297	0.229924327	0.011045312
83-U19	0.5374			0.044719824	0.851049494	0.641570723	0.056179356	0.794095971	0.038147499
83-U2	1.2213			0.101630668	1.934102617	1.458039308	0.127673702	1.804669538	0.086694345
83-U20	0.5597			0.046575522	0.886364722	0.668193401	0.05851058	0.827047851	0.039730472
83-U21	0.101			0.008404731	0.159947895	0.120578048	0.010558457	0.14924394	0.007169515
83-U22				0	0	0	0	0	0
83-U23				0	0	0	0	0	0
83-U24	0.4589			0.038187434	0.726733555	0.547854121	0.04797303	0.678099444	0.032575153
83-U3				0	0	0	0	0	0
83-U4	0.7096			0.059049474	1.123752737	0.847150326	0.074181003	1.0485495	0.050371168
83-U5	0.5176			0.043072164	0.819693372	0.61793265	0.05410948	0.764838249	0.036741991
83-U6	0.8322			0.069251652	1.31790731	0.993515362	0.086997506	1.229710955	0.059073965
83-U7				0	0	0	0	0	0
83-U8				0	0	0	0	0	0
83-U9				0	0	0	0	0	0
83-V1	0.5722			0.047615711	0.906160254	0.683116427	0.059817319	0.845518636	0.040617788
83-V10				0	0	0	0	0	0
83-V11	1.1945			0.099400502	1.891660998	1.426044341	0.124872052	1.765068176	0.084791939
83-V12	1.2327			0.102579321	1.952156142	1.471649107	0.128865448	1.821514894	0.087503578
83-V13				0	0	0	0	0	0

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-V14				0	0	0	0	0	0
83-V15	0.1197			0.009960854	0.18956201	0.142902895	0.01251334	0.176876233	0.00849694
83-V16	0.7456			0.062045219	1.180763868	0.89012864	0.077944413	1.10174536	0.052926639
83-V17				0	0	0	0	0	0
83-V18	0.1584			0.01318128	0.250848976	0.189104582	0.016559006	0.234061782	0.011244071
83-V19	0.6688			0.055654295	1.059140122	0.79844157	0.069915804	0.988260859	0.047474968
83-V2	0.7659			0.063734487	1.212911811	0.914363634	0.080066559	1.131741914	0.05436764
83-V20	0.7332			0.061013351	1.1611267	0.875324998	0.076648128	1.083422341	0.052046421
83-V21				0	0	0	0	0	0
83-V22	0.5692			0.047366066	0.901409326	0.679534901	0.059503702	0.841085647	0.040404832
83-V23	0.4904			0.040808712	0.776618295	0.585460146	0.051266014	0.724645821	0.03481119
83-V3				0	0	0	0	0	0
83-V4	1.1665			0.097070478	1.847319007	1.392616763	0.121944955	1.723693619	0.082804351
83-V5	1.2543			0.104376768	1.986362821	1.497436096	0.131123495	1.85343241	0.08903686
83-V6				0	0	0	0	0	0
83-V7	0.1866			0.015527948	0.295507695	0.222770928	0.019507011	0.275731872	0.013245857
83-V8				0	0	0	0	0	0
83-V9				0	0	0	0	0	0
83-W10				0	0	0	0	0	0
83-W11	1.4842			0.123507932	2.350442238	1.771900386	0.155157052	2.19314708	0.10535638
83-W12	1.1541			0.09603861	1.82768184	1.377813122	0.120648669	1.7053706	0.081924133
83-W13	0.7637			0.063551413	1.209427797	0.911737181	0.079836573	1.128491056	0.054211472
83-W14	0.1779			0.014803976	0.281730005	0.212384502	0.01859752	0.262876206	0.012628285
83-W15	0.8625			0.071773071	1.365891679	1.029688777	0.090165044	1.274484137	0.06122482
83-W16				0	0	0	0	0	0
83-W17	0.6743			0.056111979	1.067850156	0.805007701	0.07049077	0.996388004	0.047865387
83-W18	0.8365			0.069609477	1.324716973	0.998648883	0.087447025	1.236064905	0.059379202
83-W19	0.6975			0.05804257	1.104590662	0.832704837	0.072916079	1.030669781	0.049512246
83-W2	1.4769			0.122900462	2.338881647	1.763185339	0.154393916	2.182360142	0.104838187
83-W20				0	0	0	0	0	0
83-W21	0.1641			0.013655607	0.259875739	0.195909482	0.01715488	0.24248446	0.011648687
83-W22	0.8842			0.07357884	1.400256722	1.05559515	0.092433544	1.306549419	0.062765201
83-W23	0.9185			0.076433119	1.45457566	1.096543932	0.096019238	1.357233252	0.065199997

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-W3	0.8291			0.068993685	1.312998019	0.989814452	0.086673435	1.225130201	0.058853911
83-W4	1.5484			0.128850345	2.452112088	1.848545046	0.161868468	2.28801303	0.109913636
83-W5	0.7147			0.059473871	1.131829314	0.85323892	0.074714153	1.05608558	0.050733193
83-W6	1.5785			0.131355121	2.499779728	1.884479692	0.165015097	2.332490679	0.112050294
83-W7	0.8533			0.071007491	1.351322168	1.01870543	0.089203283	1.26088964	0.060571755
83-W8				0	0	0	0	0	0
83-W9				0	0	0	0	0	0
83-X10	1.1973			0.099633504	1.896095197	1.429387099	0.125164761	1.769205632	0.084990698
83-X11	0.8662			0.072080967	1.371751156	1.034105992	0.090551839	1.27995149	0.061487466
83-X12	0.2608			0.021702512	0.413013971	0.311354009	0.027263818	0.38537445	0.018512966
83-X13				0	0	0	0	0	0
83-X14	0.631			0.052508762	0.999278434	0.75331434	0.065964223	0.932405207	0.044791723
83-X15	0.7151			0.059507157	1.132462771	0.853716457	0.074755968	1.056676645	0.050761587
83-X16	0.7963			0.066264228	1.261054544	0.950656432	0.08324455	1.176662862	0.056525593
83-X17	0.7548			0.062810799	1.195333379	0.901111987	0.078906174	1.115339857	0.053579703
83-X18	1.0047			0.083606266	1.591085646	1.199453118	0.105030515	1.484607783	0.071318929
83-X19	0.7286			0.060630562	1.153841945	0.869833325	0.076167247	1.076625093	0.051719889
83-X20				0	0	0	0	0	0
83-X21	0.6376			0.053057983	1.009730475	0.761193698	0.066654182	0.942157781	0.045260226
83-X22				0	0	0	0	0	0
83-X23				0	0	0	0	0	0
83-X4				0	0	0	0	0	0
83-X5	0.2264			0.018839911	0.358536668	0.270285842	0.023667671	0.334542851	0.016071072
83-X6	0.3159			0.026287667	0.500272674	0.377134707	0.033023927	0.466793668	0.022424256
83-X7	0.7173			0.05969023	1.135946784	0.85634291	0.074985955	1.059927503	0.050917755
83-X8				0	0	0	0	0	0
83-X9	0.2097			0.017450218	0.332089838	0.25034868	0.021921866	0.309865882	0.014885617
83-Y10	1.1541			0.09603861	1.82768184	1.377813122	0.120648669	1.7053706	0.081924133
83-Y11	0.7529			0.06265269	1.192324458	0.898843687	0.078707549	1.112532298	0.053444831
83-Y12				0	0	0	0	0	0
83-Y13				0	0	0	0	0	0
83-Y14				0	0	0	0	0	0
83-Y15	1.0283			0.085570143	1.62845961	1.22762779	0.10749764	1.519480624	0.072994182

Mobile Source Analysis
Basin 83 Results
(all totals in tons/year)

Grid_id	Miles Road	Miles Interstate	Miles Highway	1994 SO2 Total	1994 PM10 Total	1994 NOX Total	1998 SO2 Total	1998 NOX Total	1998 PM10 Total
83-Y16	0.8596			0.071531747	1.361299116	1.026226635	0.08986188	1.270198915	0.061018963
83-Y17	0.3267			0.027186391	0.517376013	0.390028201	0.03415295	0.482752426	0.023190897
83-Y18	0.2477			0.020612394	0.392268254	0.295714678	0.025894355	0.366017068	0.017583058
83-Y19	1.0275			0.085503571	1.627192696	1.226672717	0.107414009	1.518298494	0.072937394
83-Y20	0.7122			0.059265833	1.127870207	0.850254315	0.074452805	1.052391423	0.05055573
83-Y4	1.7072			0.142064912	2.703594521	2.038127165	0.17846929	2.522665877	0.121186102
83-Y5	0.7906			0.065789901	1.252027781	0.943851533	0.082648677	1.168240184	0.056120977
83-Y6	1.57			0.130647793	2.486318766	1.874332034	0.164126514	2.319930546	0.111446919
83-Y7	1.8079			0.150444678	2.863067323	2.15834706	0.188996385	2.671466518	0.128334321
83-Y8	0.8308			0.06913515	1.315690211	0.991843984	0.086851152	1.227642228	0.058974586
83-Y9	0.8283			0.068927112	1.311731105	0.988859378	0.086589804	1.223948071	0.058797123
83-Z10	0.6784			0.056453161	1.07434309	0.809902454	0.07091938	1.002446422	0.048156427
83-Z11	0.6562			0.054605784	1.039186226	0.78339916	0.068598611	0.969642308	0.046580553
83-Z12				0	0	0	0	0	0
83-Z13				0	0	0	0	0	0
83-Z14	0.3094			0.025746769	0.489978998	0.369374733	0.032344423	0.45718886	0.021962851
83-Z15	1.5647			0.130206752	2.477925461	1.868004671	0.163572457	2.312098933	0.111070697
83-Z16	0.3497			0.02910034	0.553799791	0.417486568	0.036557352	0.51673867	0.024823559
83-Z17				0	0	0	0	0	0
83-Z18	0.5962			0.049612875	0.944167674	0.711768636	0.06232626	0.880982542	0.042321435
83-Z4	1.7377			0.144602974	2.751895618	2.074539348	0.181657735	2.567734592	0.123351153
83-Z5	1.467			0.122076632	2.323203586	1.751366302	0.153358979	2.16773128	0.104135433
83-Z6	1.4318			0.119147458	2.267459369	1.709343062	0.149679199	2.115717551	0.10163675
83-Z7	1.6327			0.135865383	2.585613153	1.949185932	0.170681121	2.412580001	0.115897697
83-Z8	0.5792			0.048198217	0.917245751	0.691473321	0.060549094	0.855862275	0.041114685
83-Z9				0	0	0	0	0	0

Grid_id	Miles Road	Miles Interstate	Miles Highway	1996 SO2 Total	1998 SO2 Total
85-A6				0	0
85-B6				0	0
85-B7	0.9697			0.010077868	0.012117786
85-B8	0.091			0.000945742	0.001137175
85-C10	0.7764			0.008068946	0.009702227
85-C11	1.1808			0.012271782	0.014755782
85-C12	0.3123			0.003245662	0.003902634
85-C13	0.4526			0.004703767	0.005655883
85-C5				0	0
85-C6	0.1131			0.001175422	0.001413346
85-C7	2.0143			0.020934154	0.025171554
85-C8	0.192			0.001995412	0.002399314
85-C9				0	0
85-D10	0.5356			0.005566367	0.006693087
85-D11	1.8284			0.019002139	0.022848469
85-D12	1.4093			0.014646529	0.017611216
85-D13	0.7846			0.008154166	0.009804697
85-D14				0	0
85-D15				0	0
85-D4	0.4711			0.004896033	0.005887067
85-D5				0	0
85-D6	0.7947			0.008259133	0.009930911
85-D7	0.8963			0.009315039	0.011200548
85-D8	0.6349			0.006598369	0.007933982
85-D9	1.4716			0.015293999	0.018389743
85-E10	0.8985			0.009337903	0.01122804
85-E11	1.1267			0.011709533	0.014079725
85-E12	0.2259			0.002347726	0.002822943
85-E13	0.4308			0.004477205	0.005383461
85-E14				0	0
85-E15				0	0
85-E3	0.6746			0.007010962	0.00843009
85-E4	0.7009			0.007284292	0.008758746
85-E5	0.2419			0.002514011	0.003022886
85-E6	0.2332			0.002423594	0.002914167
85-E7	1.2852			0.013356787	0.016060409
85-E8	0.0526			0.00054666	0.000657312
85-E9	2.0603			0.021412222	0.02574639
85-F10	2.1706			0.022558544	0.027124746
85-F11	0.6694			0.00695692	0.008365109
85-F12				0	0
85-F13	0.6344			0.006593173	0.007927734
85-F14				0	0
85-F15				0	0
85-F3				0	0
85-F4	0.184			0.001912269	0.002299343
85-F5	0.3271			0.003399475	0.004087582
85-F6				0	0
85-F7	1.2725			0.013224798	0.015901704
85-F8	0.4102			0.004263114	0.005126035

Grid_id	Miles Road	Miles Interstate	Miles Highway	1996 SO2 Total	1998 SO2 Total
85-F9	0.2552			0.002652235	0.003189088
85-G10	1.5614			0.016227269	0.019511922
85-G11	1.9713			0.020487265	0.024634208
85-G12	0.2435			0.002530639	0.00304288
85-G13	0.0038			3.94925E-05	4.74864E-05
85-G14	0.802			0.008335001	0.010022135
85-G15				0	0
85-G2	0.7487			0.007781066	0.009356075
85-G3	0.0818			0.000850128	0.001022208
85-G4				0	0
85-G5	1.2382			0.012868326	0.015473077
85-G6	0.328			0.003408828	0.004098828
85-G7	2.5589			0.026594056	0.031977109
85-G8	1.5353			0.015956018	0.019185766
85-G9	1.6646			0.017299803	0.020801554
85-H1	0.3077			0.003197855	0.003845151
85-H10	1.3208			0.013726769	0.016505282
85-H11	0.2356			0.002448536	0.002944158
85-H12				0	0
85-H13				0	0
85-H14	0.6641			0.006901838	0.008298878
85-H15				0	0
85-H2				0	0
85-H3	0.7052			0.007328981	0.008812481
85-H4	1.0961			0.011391514	0.013697334
85-H5	4.1442			0.043069713	0.051787696
85-H6	4.1309			0.042931489	0.051621493
85-H7	2.7457			0.028535426	0.034311442
85-H8	2.3269			0.024182934	0.029077938
85-H9	1.0244			0.010646352	0.012801341
85-I10	1.2732			0.013232073	0.015910452
85-I11	0.6909			0.007180364	0.008633782
85-I12	0.323			0.003356864	0.004036346
85-I13	0.1913			0.001988137	0.002390567
85-I14	1.0893			0.011320843	0.013612359
85-I15				0	0
85-I16				0	0
85-I2				0	0
85-I3				0	0
85-I4	1.3846			0.014389828	0.017302554
85-I5	3.2483			0.033758831	0.040592146
85-I6	3.3136			0.034437479	0.041408163
85-I7	2.0472			0.021276077	0.025582687
85-I8	1.3578			0.014111302	0.01696765
85-I9	1.3085			0.013598938	0.016351576
85-J1	0.8628			0.008966881	0.010781918
85-J10	0.5419			0.005631841	0.006771814
85-J11				0	0
85-J12	0.5981			0.006215915	0.007474113
85-J13	1.1481			0.011931938	0.014347149

Grid_id	Miles Road	Miles Interstate	Miles Highway	1996 SO2 Total	1998 SO2 Total
85-J14	0.8584			0.008921153	0.010726934
85-J15				0	0
85-J16				0	0
85-J17				0	0
85-J2	0.7493			0.007787302	0.009363573
85-J3	0.0593			0.000616291	0.000741038
85-J4	2.0842			0.021660609	0.026045055
85-J5	4.7098			0.048947863	0.058855676
85-J6	4.5039			0.046807992	0.056282661
85-J7	4.3633			0.045346769	0.054525663
85-J8	2.028			0.021076535	0.025342756
85-J9	1.281			0.013313137	0.016007924
85-K1	0.5993			0.006228386	0.007489109
85-K10	0.8514			0.008848403	0.010639459
85-K11				0	0
85-K12				0	0
85-K13	0.5446			0.005659902	0.006805555
85-K2	1.021			0.010611017	0.012758853
85-K3	2.3319			0.024234898	0.02914042
85-K4	1.8261			0.018978235	0.022819727
85-K5	5.1787			0.053821032	0.064715251
85-K6	0.9088			0.009444948	0.011356754
85-K7	2.8767			0.029896878	0.035948474
85-K8	5.7166			0.059411303	0.071437079
85-K9	2.2272			0.023146775	0.027832044
85-L10				0	0
85-L11				0	0
85-L12				0	0
85-L13				0	0
85-L2	1.0516			0.010929036	0.013141243
85-L3				0	0
85-L4	0.0586			0.000609016	0.000732291
85-L5	0.9947			0.010337687	0.012430197
85-L6				0	0
85-L7	1.0809			0.011233544	0.013507389
85-L8	5.5066			0.057228821	0.068812829
85-L9	2.163			0.022479559	0.027029773
85-M10				0	0
85-M11				0	0
85-M12				0	0
85-M13				0	0
85-M3				0	0
85-M4	0.68			0.007067083	0.008497571
85-M5				0	0
85-M6				0	0
85-M7	1.6716			0.017372553	0.020889029
85-M8	4.0584			0.042178013	0.050715502
85-M9	1.2816			0.013319373	0.016015422
85-N10				0	0
85-N11				0	0

Grid_id	Miles Road	Miles Interstate	Miles Highway	1996 SO2 Total	1998 SO2 Total
85-N12				0	0
85-N13				0	0
85-N3				0	0
85-N4	2.2289			0.023164443	0.027853288
85-N5	0.0632			0.000656823	0.000789774
85-N6	0.5667			0.005889582	0.007081726
85-N7	1.9513			0.02027941	0.02438428
85-N8	3.584			0.037247684	0.044787197
85-N9	1.348			0.014009452	0.016845185
85-O10				0	0
85-O11				0	0
85-O12				0	0
85-O13				0	0
85-O3	2.3133			0.024041592	0.028907986
85-O4	2.963			0.030793774	0.037026915
85-O5	1.2095			0.012570054	0.015114429
85-O6	0.3333			0.00346391	0.004165059
85-O7	0.4144			0.004306763	0.00517852
85-O8	0.2563			0.002663667	0.003202834
85-O9				0	0
85-P10				0	0
85-P11				0	0
85-P12				0	0
85-P13				0	0
85-P3	4.2279			0.043939588	0.052833647
85-P4	3.1376			0.032608352	0.039208792
85-P5	4.9553			0.051499288	0.061923549
85-P6	3.9658			0.041215643	0.049558333
85-P7	0.2009			0.002087907	0.002510532
85-P8				0	0
85-P9				0	0
85-Q10				0	0
85-Q11				0	0
85-Q12				0	0
85-Q3	1.3792			0.014333707	0.017235073
85-Q4	0.8098			0.008416064	0.010119607
85-Q5	4.8354			0.050253195	0.060425227
85-Q6	5.4905			0.057061498	0.068611637
85-R11				0	0
85-R12	0.5531			0.00574824	0.006911774
85-S11	1.5007			0.015596428	0.018753389

Mobile Source Analysis
Basin 76 Results

Grid_id	Miles Road	Miles Interstate	Miles Highway	1998 SO2 Total (tons/year)	1982 SO2 Total (tons/year)	
76-A13				0	0	
76-B12				0	0	
76-B13				0	0	
76-B14				0	0	
76-B16				0	0	
76-B17				0	0	
76-C12				0	0	
76-C13				0	0	
76-C14				0	0	
76-C15				0	0	
76-C16				0	0	
76-C17				0	0	
76-C18				0	0	
76-D12				0	0	
76-D13				0	0	
76-D14	0.2571			0.030089855	0.022443986	
76-D15	0.6909			0.080859902	0.060313301	
76-D16				0	0	
76-D17	0.4826			0.056481385	0.042129395	
76-D18	0.7379	0.079		1.883251381	1.81559761	
76-D19		1.6382		37.26160149	36.31373809	
76-D20		0.191		4.344381568	4.233868865	
76-D21				0	0	
76-E11				0	0	
76-E12				0	0	
76-E13				0	0	
76-E14				0	0	
76-E15	0.8283			0.096940595	0.07230787	
76-E16	0.5119			0.059910528	0.044687189	
76-E17	0.7478	0.1194		2.803326345	2.712002696	
76-E18		1.6562		37.67101965	36.71274144	
76-E19				0	0	
76-E20				0	0	
76-E21				0	0	
76-E22				0	0	
76-E23				0	0	
76-E29				0	0	
76-F10				0	0	
76-F11				0	0	
76-F12				0	0	
76-F13				0	0	
76-F14				0	0	
76-F15	0.968			0.113290469	0.084503221	
76-F16	0.7492	0.0738		1.766297527	1.701316429	
76-F17		1.6625		37.81431601	36.85239261	
76-F18				0	0	
76-F19				0	0	
76-F20				0	0	
76-F21				0	0	
76-F22				0	0	
76-F23				0	0	

Grid_id	Miles Road	Miles Interstate	Miles Highway	1998 SO2 Total (tons/year)	1982 SO2 Total (tons/year)	
76-F24				0	0	
76-F25				0	0	
76-F26				0	0	
76-F27				0	0	
76-F28				0	0	
76-F29				0	0	
76-G8	3.3704		0.5727	4.488787807	3.200833081	
76-G9	2.2612			0.264640919	0.197395334	
76-G10	0.5114			0.05985201	0.044643541	
76-G11				0	0	
76-G12				0	0	
76-G13				0	0	
76-G14				0	0	
76-G15	0.4065	0.3667		8.388332677	8.164070999	
76-G16	1.3008	2.0292		46.30731363	45.09453306	
76-G17	0.6538			0.076517881	0.057074593	
76-G18	0.0447			0.005231492	0.003902163	
76-G19				0	0	
76-G20				0	0	
76-G21				0	0	
76-G22				0	0	
76-G23				0	0	
76-G24	0.3341			0.039101597	0.029165833	
76-G25				0	0	
76-G26				0	0	
76-G27				0	0	
76-G28				0	0	
76-G29				0	0	
76-H8	0.8798		0.1967	1.509210125	1.075109638	
76-H9	2.7753		0.5925	4.560693528	3.249373189	
76-H10	0.8649			0.101224098	0.07550293	
76-H11	0.8019			0.093850855	0.070003236	
76-H12	0.8565			0.100240999	0.074769637	
76-H13	0.6231			0.072924888	0.054394584	
76-H14	1.1905	0.2112		4.943170616	4.78556603	
76-H15	1.1262	1.7694		40.37761046	39.32034272	
76-H16	0.0981			0.011481193	0.008563808	
76-H17				0	0	
76-H18	0.6091			0.071286389	0.05317243	
76-H19	0.6595			0.077184984	0.057572184	
76-H20	0.505			0.059102982	0.044084842	
76-H21				0	0	
76-H22				0	0	
76-H23				0	0	
76-H24	0.6709			0.07851919	0.058567367	
76-H25				0	0	
76-H26				0	0	
76-H27				0	0	
76-H28				0	0	
76-I8	0.987	0.6309		14.46562059	14.07122922	
76-I9	1.7086	1.2698	0.6235	33.53965251	31.46105677	

Grid_id	Miles Road	Miles Interstate	Miles Highway	1998 SO2 Total (tons/year)	1982 SO2 Total (tons/year)	
76-I10	0.7041	0.6232		14.25737123	13.87584822	
76-I11	1.5463	0.6248		14.39233134	13.98483648	
76-I12	2.594	0.6338		14.71965863	14.27579892	
76-I13	2.3286	1.5075		34.56129987	33.61980957	
76-I14	0.8727	0.6224		14.25890707	13.87283296	
76-I15				0	0	
76-I16				0	0	
76-I17				0	0	
76-I18				0	0	
76-I19				0	0	
76-I20	0.2184			0.025560577	0.019065603	
76-I21	0.0078			0.000912878	0.000680914	
76-I22				0	0	
76-I23				0	0	
76-I24	0.0035			0.000409625	0.000305539	
76-I25	0.0637			0.007455168	0.005560801	
76-I26				0	0	
76-I27	0.1605			0.018784215	0.014011123	
76-I28	0.3249			0.038024869	0.028362703	
76-J8	2.2323			0.26125859	0.194872459	
76-J9	2.3389		0.3938	3.089078647	2.202820372	
76-J10	6.7223		0.9787	7.783643428	5.554003343	
76-J11	4.9688		0.6457	5.197747104	3.710863002	
76-J12	4.9156		0.7854	6.190260183	4.415234304	
76-J13	2.2279		0.4164	3.237658989	2.307831582	
76-J14	1.8895			0.221138783	0.164947145	
76-J15	0.642			0.075136861	0.056044492	
76-J16	0.7785			0.091112221	0.067960493	
76-J17				0	0	
76-J18				0	0	
76-J19				0	0	
76-J20				0	0	
76-J21				0	0	
76-J22				0	0	
76-J23	0.1306			0.015284851	0.011400951	
76-J24	0.6341			0.07421228	0.055354848	
76-J25	0.6215			0.072737631	0.054254909	
76-J26	0.6234			0.072959999	0.054420773	
76-J27	0.6463			0.075640114	0.056419867	
76-J28	0.2658			0.031108065	0.023203467	
76-K8	0.1248			0.014606044	0.01089463	
76-K9	2.2974			0.268877608	0.200555475	
76-K10	2.8968		0.631	4.850156489	3.455377709	
76-K11	5.5528			0.649875329	0.484741204	
76-K12	5.3868			0.630447418	0.470249949	
76-K13	2.1711		0.5774	4.382028111	3.119991908	
76-K14	0.7016		0.6336	4.611827769	3.276939666	
76-K15	0.6279		0.6335	4.602487327	3.26999837	
76-K16	0.6275		0.6335	4.602440513	3.269963452	
76-K17	0.6278		0.5189	3.783180475	2.688363479	
76-K18	0.627			0.073381327	0.054735041	

Grid_id	Miles Road	Miles Interstate	Miles Highway	1998 SO2 Total (tons/year)	1982 SO2 Total (tons/year)	
76-K19	0.6273			0.073416437	0.05476123	
76-K20	0.3288			0.038481308	0.02870316	
76-K21				0	0	
76-K22				0	0	
76-K23				0	0	
76-K24				0	0	
76-K25				0	0	
76-K26				0	0	
76-K27	0.4373			0.051179672	0.038174854	
76-L7	1.4182			0.1659799	0.123804202	
76-L8	1.008			0.117971894	0.08799509	
76-L9	1.9889			0.232772122	0.173624438	
76-L10	3.5065		0.6459	5.028035767	3.584224069	
76-L11	1.7963			0.210231064	0.156811091	
76-L12	3.1987			0.374361802	0.279236005	
76-L13	4.2164			0.493468941	0.368077873	
76-L14	2.3467			0.274647463	0.204859203	
76-L15	1.0137			0.118638997	0.088492681	
76-L16	0.6203			0.072597188	0.054150153	
76-L17	0.2488		0.1146	0.848413608	0.603345585	
76-L18	1.757		0.6335	4.734632233	3.368565092	
76-L19	4.0691		0.6335	5.005230264	3.570403829	
76-L20	1.2925		0.6339	4.683128862	3.330045877	
76-L21	0.721		0.6598	4.801406574	3.411605346	
76-L22			0.0263	0.188023232	0.133479652	
76-L23				0	0	
76-L24				0	0	
76-L25				0	0	
76-L26				0	0	
76-M7	0.0358			0.004189875	0.003125222	
76-M8	0.8348			0.097701326	0.072875298	
76-M9	0.6399			0.074891086	0.055861168	
76-M10	1.1704		0.0303	0.353598398	0.255952816	
76-M11	1.5879		0.6203	4.620472437	3.286809628	
76-M12	3.5948			0.420719607	0.313814234	
76-M13	2.0066			0.234843653	0.17516959	
76-M14	3.6661			0.429064245	0.32003849	
76-M15	2.6077			0.305193757	0.227643646	
76-M16	2.4411			0.285695625	0.213100013	
76-M17	3.0269			0.354255084	0.264238429	
76-M18	3.3175			0.388265632	0.289606855	
76-M19	4.3956			0.514441722	0.383721444	
76-M20	3.5694			0.417746902	0.311596898	
76-M21	1.9553			0.228839726	0.170691269	
76-M22	1.0265		0.7374	5.391936725	3.832115594	
76-M23	0.5356		0.3159	2.32110781	1.650034521	
76-M24	0.5582			0.065329277	0.048729027	
76-M25	0.0607			0.007104061	0.005298911	
76-M26				0	0	
76-N6				0	0	
76-N7				0	0	

Grid_id	Miles Road	Miles Interstate	Miles Highway	1998 SO2 Total (tons/year)	1982 SO2 Total (tons/year)	
76-N8	0.4954			0.057979441	0.043246793	
76-N9	1.8245			0.213531468	0.159272858	
76-N10	1.2547			0.146844578	0.109531189	
76-N11	0.3321		0.6453	4.652228427	3.304064211	
76-N12				0	0	
76-N13				0	0	
76-N14	1.2078			0.141355608	0.105436973	
76-N15	0.6356			0.074387833	0.055485793	
76-N16	0.7732			0.090491933	0.067497821	
76-N17	0.8742			0.102312529	0.076314789	
76-N18	0.8148			0.095360614	0.071129364	
76-N19	0.9887			0.115713106	0.086310263	
76-N20	2.0635			0.241502979	0.180136773	
76-N21	2.6491			0.310039031	0.23125773	
76-N22	2.0445			0.239279302	0.178478136	
76-N23	1.6457		0.4785	3.613484459	2.57218182	
76-N24	0.7213		0.5149	3.765526615	2.676224634	
76-N25	0.7665			0.089707794	0.066912933	
76-N26	0.1761			0.020609971	0.015372952	
76-O4				0	0	
76-O5				0	0	
76-O6				0	0	
76-O7				0	0	
76-O8	0.6544			0.076588102	0.057126971	
76-O9	1.4455			0.169174973	0.126187403	
76-O10	0.8691			0.101715648	0.075869576	
76-O11	1.3169		0.6495	4.797511619	3.411350158	
76-O12				0	0	
76-O13				0	0	
76-O14				0	0	
76-O15	0.3546			0.041500827	0.030955415	
76-O16	1.6459			0.192628909	0.143681665	
76-O17				0	0	
76-O18	0.7991			0.093523155	0.069758806	
76-O19	0.3732			0.043677689	0.032579134	
76-O20	1.4787			0.173060555	0.129085654	
76-O21	1.0372			0.121389333	0.090544154	
76-O22	2.324			0.271990755	0.202877568	
76-O23	1.4016			0.164037109	0.122355077	
76-O24	0.3782		0.2842	2.076057642	1.475407898	
76-P2				0	0	
76-P3				0	0	
76-P4				0	0	
76-P5				0	0	
76-P6				0	0	
76-P7	0.854			0.09994841	0.074551395	
76-P8	1.8703			0.218891699	0.163271048	
76-P9	2.5006			0.292659243	0.218294168	
76-P10	2.0709			0.242369042	0.180782769	
76-P11	1.5213		0.5171	3.874883281	2.757227605	
76-P12	0.9625		0.1297	1.039894424	0.742285857	

Grid_id	Miles Road	Miles Interstate	Miles Highway	1998 SO2 Total (tons/year)	1982 SO2 Total (tons/year)	
76-P13	0.9523			0.11145301	0.083132663	
76-P14	0.8616			0.100837881	0.07521485	
76-P15				0	0	
76-P16	1.3417			0.157026676	0.117126004	
76-P17	1.6605			0.194337628	0.144956197	
76-P18	0.0519			0.006074148	0.0045307	
76-P19	0.6581			0.077021134	0.057449969	
76-P20	1.3982			0.163639188	0.122058268	
76-P21	1.8219			0.213227176	0.159045887	
76-Q1				0	0	
76-Q2				0	0	
76-Q3				0	0	
76-Q4				0	0	
76-Q5				0	0	
76-Q6	0.6387			0.074750643	0.055756412	
76-Q7	0.8711			0.101949719	0.076044169	
76-Q8	2.7264			0.319085884	0.238005766	
76-Q9	1.6757			0.19611657	0.146283107	
76-Q10	0.1059			0.012394071	0.009244722	
76-Q11	1.381			0.161626176	0.120556765	
76-Q12	0.9119		0.6302	4.612133171	3.27804224	
76-Q13	0.033			0.003862175	0.002880792	
76-Q14	0.4019			0.047036611	0.03508455	
76-Q15	0.8376			0.098029026	0.073119729	
76-Q16	0.9724			0.113805426	0.084887327	
76-Q17	1.3258			0.15516581	0.115737986	
76-Q18				0	0	
76-Q19	0.0434			0.005079345	0.003788677	
76-Q20	1.6513			0.193260901	0.144153067	
76-R1				0	0	
76-R2				0	0	
76-R3				0	0	
76-R4				0	0	
76-R5	0.6822			0.079841692	0.05955382	
76-R6	1.1085			0.129733972	0.09676841	
76-R7	1.3121			0.153562422	0.114542021	
76-R8	0.8921			0.104407467	0.0778774	
76-R9	0.3659			0.042823329	0.031941868	
76-R10				0	0	
76-R11	0.7929			0.092797534	0.069217566	
76-R12	2.0871		0.6297	4.746098833	3.378095705	
76-R13	0.8641			0.10113047	0.075433092	
76-R14	0.4921			0.057593223	0.042958714	
76-R15				0	0	
76-R16	0.7917			0.092657091	0.06911281	
76-R17	0.1646			0.019264061	0.014369039	
76-R18				0	0	
76-R19	0.11			0.012873917	0.009602639	
76-S1				0	0	
76-S2				0	0	
76-S3				0	0	

Grid_id	Miles Road	Miles Interstate	Miles Highway	1998 SO2 Total (tons/year)	1982 SO2 Total (tons/year)	
76-S4	0.2741			0.03207946	0.02392803	
76-S5	0.2166			0.025349913	0.018908469	
76-S6	0.6322			0.073989912	0.055188984	
76-S7	1.5389			0.180106098	0.134340916	
76-S8	1.1207			0.131161807	0.097833429	
76-S9	0.6299			0.07372073	0.054988201	
76-S10	0.44			0.051495668	0.038410555	
76-S11	0.3625			0.042425408	0.03164506	
76-S12	2.5971		0.6222	4.752168201	3.384552491	
76-S13	0.6932			0.081129084	0.060514083	
76-S14	0.647			0.075722039	0.056480975	
76-S15	0.7039			0.082381365	0.061448158	
76-T1				0	0	
76-T2				0	0	
76-T3				0	0	
76-T4				0	0	
76-T5				0	0	
76-T6	0.1405			0.016443503	0.012265189	
76-T7	0.8322			0.097397034	0.072648327	
76-T8				0	0	
76-T9				0	0	
76-T10	0.2253			0.026368123	0.01966795	
76-T11	1.1369			0.133057784	0.099247636	
76-T12	1.276		0.6306	4.657605505	3.311857083	
76-T13	0.552			0.064603656	0.048187787	
76-T14	1.3015			0.152321845	0.113616676	
76-T15	1.078			0.126164386	0.09410586	
76-U3				0	0	
76-U4				0	0	
76-U5				0	0	
76-U6	0.6116			0.071578978	0.053390671	
76-U7	0.3248			0.038013166	0.028353973	
76-U8				0	0	
76-U9				0	0	
76-U10				0	0	
76-U11	0.0301			0.003522772	0.002627631	
76-U12	2.0447		0.4134	3.194770549	2.276613007	
76-U13	2.5565			0.299201534	0.223174054	
76-U14	0.2696			0.0315528	0.023535195	
76-U15	1.0622			0.124315224	0.092726572	
76-V3				0	0	
76-V4				0	0	
76-V5				0	0	
76-V6				0	0	
76-W4	0.3499			0.04095076	0.030545121	
76-W5	0.7953			0.09307842	0.069427078	

APPENDIX G
MISCELLANEOUS SOURCE EMISSIONS CALCULATIONS

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-A21	0.000613796	0.001585115	0.00072384	0.000600501	0.001289944	0.011926406
83-A33	0	0	0	0	0	0
83-AA10	0.108776972	0.006720329	0.003265221	0.002658828	0.006290541	0.983967666
83-AA11	0.035463816	0.002190983	0.001064538	0.00086684	0.002050862	0.320796286
83-AA12	0.027240959	0.001682969	0.000817707	0.000665849	0.001575337	0.246414501
83-AA13	0.027240959	0.001682969	0.000817707	0.000665849	0.001575337	0.246414501
83-AA14	0.015887938	0.00098157	0.000476917	0.000388348	0.000918795	0.143718073
83-AA15	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-AA16	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-AA17	0.003409354	0.000210633	0.000102341	0.000083335	0.000197162	0.030840115
83-AA3	0.350976714	0.021683626	0.010535469	0.0085789	0.020296882	3.174842355
83-AA4	0.094546045	0.005841131	0.002838043	0.002310982	0.005467571	0.855238472
83-AA5	0.285510783	0.017639087	0.00857034	0.00697872	0.016511006	2.582654891
83-AA6	0.120566141	0.007448674	0.003619103	0.00294699	0.006972305	1.090609363
83-AA7	0	0	0	0	0	0
83-AA8	0.082498103	0.0050968	0.002476393	0.002016495	0.004770842	0.746255981
83-AA9	0.111463354	0.006886296	0.003345859	0.002724491	0.006445894	1.00826797
83-B10	0.002531722	0.006538118	0.00298562	0.002476883	0.005320627	0.049192793
83-B11	0.002370663	0.006122188	0.002795686	0.002319313	0.004982149	0.046063333
83-B12	0.001668589	0.004309097	0.001967741	0.001632446	0.003506681	0.03242164
83-B13	0	0	0	0	0	0
83-B14	0	0	0	0	0	0
83-B15	0	0	0	0	0	0
83-B16	0	0	0	0	0	0
83-B17	0	0	0	0	0	0
83-B18	0.000001883	0.000004862	0.00000222	0.000001842	0.000003957	0.000036585
83-B21	0.000092774	0.000239587	0.000109407	0.000090764	0.000194972	0.001802649
83-B22	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-B23	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-B24	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-B25	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-B26	0.000110158	0.00028448	0.000129907	0.000107772	0.000231506	0.00214043
83-B27	0.001962317	0.005067643	0.00231413	0.001919812	0.004123975	0.038128936
83-B28	0.002991017	0.007724239	0.003527259	0.002926229	0.006285875	0.058117161
83-B29	0.003468444	0.008957184	0.004090282	0.003393315	0.007289228	0.067393842
83-B31	0.002670845	0.0068974	0.003149685	0.002612992	0.005613005	0.05189603
83-B32	0	0	0	0	0	0
83-B33	0	0	0	0	0	0
83-B8	0.001859421	0.004801915	0.002192786	0.001819144	0.00390773	0.036129604
83-B9	0.002910904	0.007517349	0.003432783	0.002847852	0.00611751	0.056560521
83-BB10	0.111463354	0.006886296	0.003345859	0.002724491	0.006445894	1.00826797
83-BB11	0.109070612	0.006738471	0.003274035	0.002666005	0.006307522	0.986623858
83-BB12	0.027240959	0.001682969	0.000817707	0.000665849	0.001575337	0.246414501
83-BB13	0.026444696	0.001633775	0.000793806	0.000646386	0.001529289	0.239211716
83-BB14	0.00920468	0.000568673	0.000276302	0.000224989	0.000532304	0.083263097
83-BB15	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-BB16	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-BB3	0.943701852	0.058302665	0.028327638	0.023066839	0.054574006	8.536476906
83-BB4	0.529615632	0.032720083	0.015897775	0.012945358	0.030627519	4.790762676
83-BB5	0.317286509	0.019602217	0.009524171	0.007755412	0.018348587	2.870089691
83-BB6	0.12124825	0.007490815	0.003639578	0.002963663	0.007011751	1.09677954
83-BB7	0.014398097	0.000889526	0.000432196	0.000351932	0.000832638	0.130241372

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-BB8	0.103234648	0.00637792	0.003098853	0.002523357	0.00597003	0.933833271
83-BB9	0.111338706	0.006878595	0.003342118	0.002721444	0.006438685	1.007140434
83-C10	0.002369626	0.006119509	0.002794462	0.002318298	0.004979969	0.046043178
83-C11	0.002369626	0.006119509	0.002794462	0.002318298	0.004979969	0.046043178
83-C12	0.000894678	0.002310486	0.001055079	0.000875298	0.001880241	0.017384096
83-C13	0	0	0	0	0	0
83-C14	0	0	0	0	0	0
83-C15	0.000000666	0.00000172	0.000000786	0.000000652	0.0000014	0.000012943
83-C16	0.000011393	0.000029422	0.000013435	0.000011146	0.000023943	0.000221367
83-C17	0.000035271	0.000091087	0.000041595	0.000034507	0.000074125	0.000685336
83-C18	0.00008358	0.000215844	0.000098565	0.00008177	0.00017565	0.001624006
83-C19	0.000078628	0.000203056	0.000092725	0.000076925	0.000165244	0.001527794
83-C20	0.000088266	0.000227946	0.000104091	0.000086355	0.000185499	0.001715067
83-C21	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-C22	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-C23	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-C24	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-C25	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-C26	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-C27	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-C28	0.000127179	0.000328438	0.000149981	0.000124424	0.000267278	0.002471165
83-C29	0.001323673	0.003418359	0.001560987	0.001295002	0.002781811	0.025719727
83-C30	0.002510138	0.00648238	0.002960167	0.002455767	0.005275268	0.048773416
83-C31	0.001326221	0.003424939	0.001563992	0.001297494	0.002787166	0.025769233
83-C32	0	0	0	0	0	0
83-C33	0	0	0	0	0	0
83-C34	0.089793432	0.231889656	0.10589198	0.087848438	0.188708471	1.744737432
83-C35	0.268000009	0.692104403	0.316048189	0.262194924	0.563224622	5.207392525
83-C36	0.675232315	1.743773293	0.796290833	0.660606263	1.419057657	13.12014772
83-C8	0.003076614	0.007945291	0.003628202	0.003009972	0.006465764	0.059780359
83-C9	0.002815904	0.007272014	0.003320752	0.00275491	0.005917861	0.054714624
83-CC10	0.111463354	0.006886296	0.003345859	0.002724491	0.006445894	1.00826797
83-CC11	0.371222033	0.022934398	0.011143184	0.009073755	0.021467663	3.35797615
83-CC12	0.267232182	0.016509821	0.008021661	0.006531938	0.01545396	2.417311512
83-CC13	0.007631956	0.000471508	0.000229093	0.000186547	0.000441354	0.06903665
83-CC14	0.00414195	0.000255893	0.000124331	0.000101241	0.000239528	0.037466979
83-CC15	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-CC16	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-CC3	2.056859764	0.127074463	0.061741935	0.050275681	0.118947608	18.60580843
83-CC4	4.10202725	0.253426568	0.123132897	0.100265569	0.237219054	37.10585162
83-CC5	6.980867336	0.431283641	0.209548685	0.170632859	0.403701547	63.14707626
83-CC6	0.966437566	0.059707296	0.029010109	0.023622566	0.055888806	8.742138154
83-CC7	0.243146096	0.015021763	0.007298655	0.005943203	0.014061069	2.199435159
83-CC8	0.058449527	0.003611059	0.001754513	0.001428678	0.003380119	0.528718934
83-CC9	0.111463354	0.006886296	0.003345859	0.002724491	0.006445894	1.00826797
83-D10	0.002369626	0.006119509	0.002794462	0.002318298	0.004979969	0.046043178
83-D11	0.00160558	0.004146378	0.001893436	0.001570802	0.003374263	0.031197339
83-D12	0.00004409	0.000113863	0.000051995	0.000043135	0.00009266	0.000856702
83-D13	0	0	0	0	0	0
83-D14	0.000004694	0.000012121	0.000005535	0.000004592	0.000009864	0.000091198
83-D15	0.000050039	0.000129225	0.000059011	0.000048955	0.000105162	0.000972292
83-D16	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-D17	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D18	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D19	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D20	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D21	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D22	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D23	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D24	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D25	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D26	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D27	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D28	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-D29	0.00007814	0.000201796	0.00009215	0.000076448	0.000164219	0.001518314
83-D30	0	0	0	0	0	0
83-D31	0	0	0	0	0	0
83-D32	0.007018396	0.018124859	0.008276683	0.006866372	0.01474975	0.136371416
83-D33	0.036629926	0.094596015	0.043197094	0.035836493	0.076980878	0.711740277
83-D34	0.16439323	0.424542069	0.193866347	0.160832347	0.345486238	3.194253916
83-D35	0.145398963	0.375489775	0.171466708	0.142249511	0.305568185	2.825184521
83-D36	1.675338108	0.197243633	0.093028585	0.076423731	0.172887599	15.54085649
83-D8	0.002834792	0.007320792	0.003343026	0.002773388	0.005957555	0.055081625
83-D9	0.001012354	0.002614383	0.001193853	0.000990426	0.002127548	0.019670616
83-DD10	0.109796903	0.006783342	0.003295836	0.002683758	0.006349523	0.993193693
83-DD11	0.227806797	0.014074088	0.006838207	0.005568266	0.013174001	2.060679928
83-DD12	0.17571343	0.010855718	0.005274491	0.004294951	0.010161457	1.589457133
83-DD13	0.001766247	0.00010912	0.000053018	0.000043172	0.000102142	0.015976998
83-DD14	0.00452495	0.000279555	0.000135828	0.000110603	0.000261677	0.040931499
83-DD15	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-DD4	10.75126502	0.664221866	0.322726868	0.262792429	0.621742559	97.25309476
83-DD5	9.406617732	0.581148467	0.282363821	0.229925308	0.543981995	85.08977161
83-DD6	1.42955812	0.088319259	0.042911864	0.03494259	0.082670934	12.93140397
83-DD7	0.139117621	0.008594799	0.004175973	0.003400442	0.008045132	1.258421142
83-DD8	0.063581242	0.003928101	0.001908554	0.001554112	0.003676885	0.57513907
83-DD9	0.111463354	0.006886296	0.003345859	0.002724491	0.006445894	1.00826797
83-E10	0.001097691	0.002834765	0.00129449	0.001073915	0.002306891	0.021328769
83-E11	0.00008939	0.000230847	0.000105416	0.000087453	0.00018786	0.00173689
83-E12	0	0	0	0	0	0
83-E13	0	0	0	0	0	0
83-E14	0.000054668	0.000141179	0.000064469	0.000053484	0.000114889	0.00106223
83-E15	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E16	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E17	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E18	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E19	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E20	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E21	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E22	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E23	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E24	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E25	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E26	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E27	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-E28	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-E29	0.000076531	0.00019764	0.000090252	0.000074873	0.000160837	0.001487044
83-E30	0.000039215	0.000101271	0.000046245	0.000038365	0.000082413	0.000761961
83-E31	0.018111339	0.046772154	0.021358417	0.017719034	0.038062507	0.351913617
83-E32	0.068286593	0.176348696	0.080529304	0.066807454	0.143510036	1.326847332
83-E33	0.070339687	0.181650766	0.082950484	0.068816075	0.147824784	1.366740097
83-E34	0.032621279	0.084243767	0.03846976	0.031914677	0.068556368	0.63384998
83-E35	0.013588156	0.035091128	0.016024299	0.013293826	0.028556656	0.264025598
83-E36	0.003244573	0.000789702	0.000266365	0.000217782	0.000692482	0.072274165
83-E8	0.003169416	0.008184951	0.003737643	0.003100764	0.006660795	0.061583558
83-E9	0.0004167	0.001076119	0.000491408	0.000407674	0.00087573	0.008096715
83-EE10	1.734352088	0.107149677	0.052061038	0.042392649	0.100297082	15.68848944
83-EE11	0.004331201	0.000267585	0.000130012	0.000105867	0.000250472	0.039178898
83-EE12	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-EE13	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-EE14	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-EE4	3.722046213	0.229951031	0.111726789	0.090977719	0.21524486	33.66864382
83-EE5	5.406332851	0.334007625	0.162284983	0.132146621	0.312646671	48.90425449
83-EE6	2.090518936	0.129153954	0.062752302	0.05109841	0.120894108	18.91028039
83-EE7	0.106273722	0.006565677	0.003190079	0.002597641	0.006145779	0.961323933
83-EE8	0.110619976	0.006834192	0.003320543	0.002703876	0.006397121	1.000638993
83-EE9	0.111463354	0.006886296	0.003345859	0.002724491	0.006445894	1.00826797
83-F10	0	0	0	0	0	0
83-F11	0	0	0	0	0	0
83-F12	0	0	0	0	0	0
83-F13	0	0	0	0	0	0
83-F14	0.000077356	0.000199771	0.000091225	0.000075681	0.000162571	0.001503076
83-F15	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F16	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F17	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F18	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F19	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F20	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F21	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F22	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F23	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F24	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F25	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F26	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F27	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F28	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F29	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-F30	0.00007653	0.000197637	0.000090251	0.000074872	0.000160834	0.00148702
83-F31	0.049145119	0.126916239	0.057956065	0.048080598	0.103282612	0.954917598
83-F32	0.062110525	0.160399127	0.073245964	0.060765163	0.130530506	1.2068428
83-F33	0.012051233	0.031122057	0.01421183	0.011790194	0.025326683	0.234162314
83-F34	0.000433713	0.001120055	0.000511471	0.000424319	0.000911485	0.008427293
83-F35	0.000408336	0.000099385	0.000033523	0.000027408	0.00008715	0.009095842
83-F36	0.003637222	0.000885269	0.0002986	0.000244137	0.000776284	0.081020596
83-F8	0.002104178	0.005433997	0.002481424	0.0020586	0.004422108	0.040885383
83-F9	0.000087569	0.000226145	0.000103269	0.000085672	0.000184033	0.001701513
83-FF10	0.814060821	0.050293337	0.024436129	0.019898033	0.047076903	7.363778491

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-FF11	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-FF12	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-FF13	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-FF14	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-FF4	4.252361051	0.262714311	0.127645553	0.103940168	0.245912815	38.46573134
83-FF5	3.050706947	0.188475147	0.091574814	0.07456822	0.176421504	27.59588672
83-FF6	2.006444759	0.123959783	0.060228599	0.049043391	0.116032123	18.14976766
83-FF7	0.404509548	0.024990928	0.012142394	0.009887399	0.023392671	3.659086188
83-FF8	0.294041361	0.018166114	0.008826408	0.007187233	0.017004327	2.659820244
83-FF9	1.941808333	0.119966492	0.058288371	0.047463487	0.112294216	17.56508367
83-G10	0	0	0	0	0	0
83-G11	0	0	0	0	0	0
83-G12	0	0	0	0	0	0
83-G13	0	0	0	0	0	0
83-G14	0.000063505	0.000164001	0.000074891	0.00006213	0.000133462	0.001233945
83-G15	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-G16	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-G17	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-G18	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-G19	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-G20	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-G21	0.000084712	0.000218768	0.0000999	0.000082878	0.00017803	0.001646012
83-G22	0.000225153	0.000581453	0.000265519	0.000220276	0.000473178	0.004374852
83-G23	0.000086869	0.000224337	0.000102443	0.000084987	0.000182562	0.001687908
83-G24	0.000087232	0.000225276	0.000102872	0.000085343	0.000183326	0.001694976
83-G25	0.000950066	0.002453524	0.001120397	0.000929486	0.001996643	0.018460314
83-G26	0.000562483	0.001452601	0.000663327	0.000550299	0.001182106	0.010929365
83-G27	0.00008915	0.000230229	0.000105134	0.000087219	0.000187357	0.001732242
83-G28	0.000084045	0.000217044	0.000099113	0.000082224	0.000176628	0.001633041
83-G29	0.088448662	0.031103427	0.01434465	0.011864393	0.02590278	0.90571132
83-G30	0.419974117	0.0628957	0.029452994	0.024247975	0.054245119	3.951199447
83-G31	0.246287473	0.077900527	0.035972899	0.029741467	0.065066794	2.486101117
83-G32	0.057480481	0.06738903	0.030831131	0.025562853	0.055083104	0.78295387
83-G33	0	0	0	0	0	0
83-G34	0	0	0	0	0	0
83-G35	0.001933554	0.000470611	0.000158736	0.000129784	0.000412674	0.043070689
83-G36	0.005550149	0.001350859	0.000455643	0.000372536	0.001184556	0.123631805
83-G8	0.000948238	0.002448806	0.001118243	0.000927699	0.001992803	0.01842481
83-G9	0	0	0	0	0	0
83-GG10	0.008531048	0.000527055	0.000256081	0.000208524	0.000493348	0.077169601
83-GG11	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-GG12	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-GG4	1.591669553	0.098334635	0.047778055	0.038905069	0.092045793	14.39782105
83-GG5	0.089127598	0.005506375	0.002675394	0.00217854	0.005154223	0.806224634
83-GG6	0.197204846	0.012183475	0.005919611	0.004820264	0.011404299	1.783862784
83-GG7	0.393714311	0.024323989	0.011818348	0.009623532	0.022768385	3.561435336
83-GG8	0.069520892	0.004295057	0.002086848	0.001699294	0.004020373	0.628867566
83-GG9	1.402794117	0.086665757	0.042108473	0.0342884	0.08112318	12.68930389
83-H10	0	0	0	0	0	0
83-H11	0	0	0	0	0	0
83-H12	0	0	0	0	0	0
83-H13	0	0	0	0	0	0

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-H14	0.000007439	0.00001921	0.000008772	0.000007278	0.000015633	0.000144538
83-H15	0.000039355	0.000101634	0.000046411	0.000038503	0.000082708	0.00076469
83-H16	0.000083737	0.00021625	0.00009875	0.000081924	0.000175981	0.001627067
83-H17	0.000083786	0.000216375	0.000098807	0.000081971	0.000176083	0.001628005
83-H18	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-H19	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-H20	0.000082694	0.000213555	0.00009752	0.000080903	0.000173788	0.001606791
83-H21	0.000010338	0.000026698	0.000012191	0.000010114	0.000021726	0.000200873
83-H22	0.001575321	0.004068232	0.001857751	0.001541198	0.003310669	0.030609374
83-H23	0.003323443	0.008582721	0.003919284	0.003251455	0.006984495	0.064576383
83-H24	0.001211216	0.00312794	0.001428368	0.00118498	0.002545473	0.023534618
83-H25	0.000448288	0.001157695	0.000528659	0.000438578	0.000942116	0.008710498
83-H26	0.000708377	0.00182937	0.000835378	0.000693033	0.001488715	0.013764177
83-H27	0.002494171	0.006441144	0.002941336	0.002440145	0.00524171	0.048463154
83-H28	0.001532429	0.003957467	0.00180717	0.001499236	0.00322053	0.029775975
83-H29	0.002908229	0.007510439	0.003429628	0.002845234	0.006111888	0.056508535
83-H30	0	0	0	0	0	0
83-H31	0	0	0	0	0	0
83-H32	0	0	0	0	0	0
83-H33	0	0	0	0	0	0
83-H34	0.000154539	0.000037613	0.000012687	0.000010373	0.000032983	0.003442409
83-H35	0.00095196	0.000231699	0.000078152	0.000063897	0.000203175	0.021205286
83-H7	0.000130999	0.000338302	0.000154485	0.000128162	0.000275306	0.002545386
83-H8	0	0	0	0	0	0
83-H9	0	0	0	0	0	0
83-HH4	0.153549262	0.009486398	0.004609176	0.003753194	0.00887971	1.388965937
83-HH5	0.085008643	0.005251903	0.002551753	0.00207786	0.004916025	0.768965661
83-HH6	0.10411714	0.006432441	0.003125344	0.002544928	0.006021064	0.941816064
83-HH7	0.057894999	0.0035768	0.001737867	0.001415123	0.003348051	0.523702822
83-HH8	0.034586404	0.002136776	0.0010382	0.000845393	0.002000122	0.312859442
83-HH9	0.032853068	0.002029689	0.000986169	0.000803025	0.001899883	0.297180149
83-I10	0	0	0	0	0	0
83-I11	0	0	0	0	0	0
83-I12	0	0	0	0	0	0
83-I13	0	0	0	0	0	0
83-I14	0	0	0	0	0	0
83-I15	0.000969445	0.002503571	0.001143251	0.000948446	0.00203737	0.018836863
83-I16	0.000445468	0.001150413	0.000525334	0.000435819	0.000936189	0.008655703
83-I17	0.000061388	0.000158533	0.000072394	0.000060058	0.000129012	0.001192804
83-I18	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-I19	0.000089302	0.000230622	0.000105313	0.000087368	0.000187677	0.001735197
83-I20	0.000058372	0.000150746	0.000068838	0.000057108	0.000122675	0.001134211
83-I21	0	0	0	0	0	0
83-I22	0	0	0	0	0	0
83-I23	0	0	0	0	0	0
83-I24	0	0	0	0	0	0
83-I25	0	0	0	0	0	0
83-I26	0	0	0	0	0	0
83-I27	0	0	0	0	0	0
83-I28	0	0	0	0	0	0
83-I29	0	0	0	0	0	0
83-I30	0	0	0	0	0	0

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-I31	0	0	0	0	0	0
83-I32	0	0	0	0	0	0
83-I33	0	0	0	0	0	0
83-I34	0.000688339	0.000167536	0.00005651	0.000046203	0.000146911	0.01533302
83-I35	0.000969313	0.000235922	0.000079576	0.000065062	0.000206878	0.02159183
83-I7	0	0	0	0	0	0
83-I8	0	0	0	0	0	0
83-I9	0	0	0	0	0	0
83-II6	0.00353004	0.000218089	0.000105963	0.000086285	0.000204141	0.031931807
83-J10	0	0	0	0	0	0
83-J11	0	0	0	0	0	0
83-J12	0	0	0	0	0	0
83-J13	0.000174939	0.000451776	0.000206303	0.00017115	0.000367649	0.003399162
83-J14	0.000785794	0.002029297	0.000926675	0.000768773	0.001651413	0.015268425
83-J15	0.000472427	0.001220032	0.000557125	0.000462193	0.000992845	0.009179518
83-J16	0.000087064	0.000224842	0.000102674	0.000085178	0.000182973	0.001691708
83-J17	0.000007059	0.000018231	0.000008325	0.000006906	0.000014836	0.000137166
83-J18	0.000027777	0.000071733	0.000032757	0.000027175	0.000058376	0.000539723
83-J19	0.000034038	0.000087903	0.000040141	0.000033301	0.000071534	0.000661381
83-J20	0.000011775	0.000030408	0.000013886	0.00001152	0.000024746	0.00022879
83-J21	0	0	0	0	0	0
83-J22	0	0	0	0	0	0
83-J23	0	0	0	0	0	0
83-J24	0	0	0	0	0	0
83-J25	0	0	0	0	0	0
83-J26	0	0	0	0	0	0
83-J27	0	0	0	0	0	0
83-J28	0	0	0	0	0	0
83-J29	0	0	0	0	0	0
83-J30	0	0	0	0	0	0
83-J31	0	0	0	0	0	0
83-J32	0	0	0	0	0	0
83-J33	0.000270424	0.000065819	0.000022201	0.000018151	0.000057716	0.006023808
83-J34	0.000969287	0.000235916	0.000079574	0.00006506	0.000206873	0.021591262
83-J6	0.000001143	0.000002952	0.000001348	0.000001118	0.000002402	0.000022207
83-J7	0	0	0	0	0	0
83-J8	0	0	0	0	0	0
83-J9	0	0	0	0	0	0
83-K10	0	0	0	0	0	0
83-K11	0.000058657	0.000151481	0.000069173	0.000057387	0.000123273	0.001139741
83-K12	0.002657513	0.006862971	0.003133963	0.002599949	0.005584987	0.051636982
83-K13	0.002207896	0.005701844	0.002603736	0.002160071	0.004640079	0.042900666
83-K14	0.000205447	0.000012693	0.000006167	0.000005022	0.000011881	0.001858418
83-K15	0.001521988	0.00009403	0.000045686	0.000037202	0.000088016	0.013767498
83-K16	0.001282821	0.000079254	0.000038507	0.000031356	0.000074185	0.011604055
83-K17	0	0	0	0	0	0
83-K18	0	0	0	0	0	0
83-K19	0	0	0	0	0	0
83-K20	0	0	0	0	0	0
83-K21	0	0	0	0	0	0
83-K22	0	0	0	0	0	0
83-K23	0	0	0	0	0	0

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-K24	0	0	0	0	0	0
83-K25	0	0	0	0	0	0
83-K26	0	0	0	0	0	0
83-K27	0	0	0	0	0	0
83-K28	0	0	0	0	0	0
83-K29	0	0	0	0	0	0
83-K30	0	0	0	0	0	0
83-K31	0	0	0	0	0	0
83-K32	0.00001494	0.000003636	0.000001227	0.000001003	0.000003189	0.000332794
83-K5	0	0	0	0	0	0
83-K6	0	0	0	0	0	0
83-K7	0	0	0	0	0	0
83-K8	0	0	0	0	0	0
83-K9	0	0	0	0	0	0
83-L10	0.00002778	0.00007174	0.00003276	0.000027178	0.000058381	0.000539772
83-L11	0.009942344	0.025675894	0.011724849	0.009726985	0.020894674	0.193185391
83-L12	0.021114458	0.053970556	0.024645953	0.020446286	0.043922132	0.40797081
83-L13	0.003599703	0.006313592	0.002885226	0.002393052	0.005146848	0.057656628
83-L14	0.0018109	0.000111879	0.000054359	0.000044264	0.000104724	0.016380923
83-L15	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-L16	0.001973452	0.000121921	0.000059238	0.000048237	0.000114124	0.017851321
83-L17	0	0	0	0	0	0
83-L18	0	0	0	0	0	0
83-L19	0	0	0	0	0	0
83-L20	0	0	0	0	0	0
83-L21	0	0	0	0	0	0
83-L22	0	0	0	0	0	0
83-L23	0	0	0	0	0	0
83-L24	0	0	0	0	0	0
83-L25	0	0	0	0	0	0
83-L26	0	0	0	0	0	0
83-L27	0	0	0	0	0	0
83-L28	0	0	0	0	0	0
83-L29	0	0	0	0	0	0
83-L30	0	0	0	0	0	0
83-L5	0.004133766	0.010675363	0.004874885	0.004044225	0.008687457	0.080321416
83-L6	0	0	0	0	0	0
83-L7	0	0	0	0	0	0
83-L8	0	0	0	0	0	0
83-L9	0	0	0	0	0	0
83-M10	0	0	0	0	0	0
83-M11	0.000390617	0.000024133	0.000011725	0.000009548	0.000022589	0.003533416
83-M12	0.00180029	0.000111223	0.00005404	0.000044004	0.00010411	0.016284948
83-M13	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-M14	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-M15	0.001883706	0.000116377	0.000056544	0.000046043	0.000108934	0.017039507
83-M16	0.0003932	0.000024292	0.000011803	0.000009611	0.000022739	0.003556782
83-M17	0	0	0	0	0	0
83-M18	0	0	0	0	0	0
83-M19	0	0	0	0	0	0
83-M20	0	0	0	0	0	0
83-M21	0	0	0	0	0	0

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-M22	0	0	0	0	0	0
83-M23	0	0	0	0	0	0
83-M24	0	0	0	0	0	0
83-M25	0	0	0	0	0	0
83-M26	0	0	0	0	0	0
83-M27	0	0	0	0	0	0
83-M28	0	0	0	0	0	0
83-M29	0	0	0	0	0	0
83-M4	0.00604087	0.01560042	0.007123903	0.00591002	0.012695397	0.117377534
83-M5	0.008315296	0.021474078	0.009806098	0.00813518	0.017475296	0.161570929
83-M6	0.003025386	0.007812995	0.00356779	0.002959854	0.006358103	0.058784964
83-M7	0.0002452	0.000633224	0.00028916	0.000239889	0.000515308	0.004764375
83-M8	0	0	0	0	0	0
83-M9	0	0	0	0	0	0
83-N10	0.000918821	0.000056766	0.000027581	0.000022459	0.000053135	0.008311411
83-N11	0.002128539	0.000131503	0.000063894	0.000052028	0.000123093	0.019254196
83-N12	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-N13	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-N14	0.001798558	0.000111116	0.000053988	0.000043962	0.00010401	0.016269275
83-N15	0.000202416	0.000012505	0.000006076	0.000004948	0.000011706	0.001831
83-N16	0	0	0	0	0	0
83-N17	0	0	0	0	0	0
83-N18	0	0	0	0	0	0
83-N19	0	0	0	0	0	0
83-N20	0	0	0	0	0	0
83-N21	0	0	0	0	0	0
83-N22	0	0	0	0	0	0
83-N23	0	0	0	0	0	0
83-N24	0	0	0	0	0	0
83-N25	0	0	0	0	0	0
83-N26	0	0	0	0	0	0
83-N27	0	0	0	0	0	0
83-N28	0	0	0	0	0	0
83-N29	0	0	0	0	0	0
83-N3	0.009175386	0.023695242	0.010820388	0.00897664	0.019282847	0.178282964
83-N4	0.009547791	0.024656969	0.011259559	0.009340978	0.020065487	0.185518998
83-N5	0.009547791	0.024656969	0.011259559	0.009340978	0.020065487	0.185518998
83-N6	0.009547791	0.024656969	0.011259559	0.009340978	0.020065487	0.185518998
83-N7	0.006112522	0.015785461	0.007208401	0.00598012	0.012845981	0.118769783
83-N8	0	0	0	0	0	0
83-N9	0.000000122	0.000000008	0.000000004	0.000000003	0.000000007	0.000001099
83-O10	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-O11	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-O12	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-O13	0.001735298	0.000107208	0.000052089	0.000042416	0.000100352	0.015697048
83-O14	0.000064308	0.000003973	0.00000193	0.000001572	0.000003719	0.000581717
83-O15	0	0	0	0	0	0
83-O16	0	0	0	0	0	0
83-O17	0	0	0	0	0	0
83-O18	0	0	0	0	0	0
83-O19	0	0	0	0	0	0
83-O2	0.005684042	0.014678918	0.006703101	0.005560921	0.011945493	0.11044416

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-O20	0	0	0	0	0	0
83-O21	0	0	0	0	0	0
83-O22	0	0	0	0	0	0
83-O23	0	0	0	0	0	0
83-O24	0	0	0	0	0	0
83-O25	0	0	0	0	0	0
83-O26	0	0	0	0	0	0
83-O27	0	0	0	0	0	0
83-O28	0	0	0	0	0	0
83-O29	0	0	0	0	0	0
83-O3	0.009467534	0.024449709	0.011164914	0.00926246	0.019896822	0.183959576
83-O4	0.009547791	0.024656969	0.011259559	0.009340978	0.020065487	0.185518998
83-O5	0.049132781	0.026727872	0.012276971	0.010166759	0.022050881	0.542050681
83-O6	0.008260111	0.021331564	0.009741019	0.008081191	0.01735932	0.160498656
83-O7	1.513703985	0.093805218	0.045568734	0.037108106	0.087770053	13.69374904
83-O8	0.32543222	0.020105466	0.009768685	0.007954517	0.018819652	2.943773638
83-O9	0.001196824	0.000073941	0.000035926	0.000029254	0.000069212	0.010826151
83-P1	0	0	0	0	0	0
83-P10	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-P11	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-P12	0.002108885	0.000130289	0.000063304	0.000051547	0.000121956	0.019076412
83-P13	0.000466625	0.000028828	0.000014007	0.000011406	0.000026985	0.00422097
83-P14	0	0	0	0	0	0
83-P15	0	0	0	0	0	0
83-P16	0	0	0	0	0	0
83-P17	0	0	0	0	0	0
83-P18	0	0	0	0	0	0
83-P19	0	0	0	0	0	0
83-P2	0	0	0	0	0	0
83-P20	0	0	0	0	0	0
83-P21	0	0	0	0	0	0
83-P22	0	0	0	0	0	0
83-P23	0	0	0	0	0	0
83-P24	0	0	0	0	0	0
83-P25	0	0	0	0	0	0
83-P26	0	0	0	0	0	0
83-P27	0	0	0	0	0	0
83-P28	0	0	0	0	0	0
83-P29	0	0	0	0	0	0
83-P3	0.001533135	0.003959289	0.001808002	0.001499926	0.003222012	0.029789681
83-P4	0.006013939	0.015530869	0.007092142	0.005883671	0.012638798	0.116854236
83-P5	17.4491611	1.101228029	0.534361214	0.435289898	1.027894094	157.9360873
83-P6	12.7326111	0.78663103	0.382202066	0.311222337	0.736323233	115.1758264
83-P7	4.335145499	0.267828802	0.13013054	0.105963663	0.250700216	39.21457754
83-P8	0.145544223	0.00899184	0.004368884	0.003557527	0.00841678	1.316554475
83-P9	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-Q1	0	0	0	0	0	0
83-Q10	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-Q11	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-Q12	0.001168968	0.00007222	0.00003509	0.000028573	0.000067601	0.010574174
83-Q13	0	0	0	0	0	0
83-Q14	0	0	0	0	0	0

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-Q15	0	0	0	0	0	0
83-Q16	0	0	0	0	0	0
83-Q17	0	0	0	0	0	0
83-Q18	0	0	0	0	0	0
83-Q19	0	0	0	0	0	0
83-Q2	0	0	0	0	0	0
83-Q20	0	0	0	0	0	0
83-Q21	0	0	0	0	0	0
83-Q22	0	0	0	0	0	0
83-Q23	0	0	0	0	0	0
83-Q24	0	0	0	0	0	0
83-Q25	0	0	0	0	0	0
83-Q26	0	0	0	0	0	0
83-Q27	0	0	0	0	0	0
83-Q28	0	0	0	0	0	0
83-Q29	0.000256995	0.00006255	0.000021098	0.00001725	0.00005485	0.005724661
83-Q3	0	0	0	0	0	0
83-Q30	0.00096897	0.000235839	0.000079548	0.000065039	0.000206805	0.021584196
83-Q31	0.000969313	0.000235922	0.000079576	0.000065062	0.000206878	0.02159183
83-Q4	0	0	0	0	0	0
83-Q5	0.17912367	0.011066405	0.005376858	0.004378308	0.01035867	1.620305262
83-Q6	0.143001157	0.008834727	0.004292547	0.003495367	0.008269716	1.293550575
83-Q7	0.009492464	0.000586452	0.000284941	0.000232024	0.000548946	0.08586631
83-Q8	0.002191164	0.000135372	0.000065773	0.000053558	0.000126714	0.019820692
83-Q9	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-R10	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-R11	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-R12	0.001014841	0.000062698	0.000030463	0.000024806	0.000058688	0.009179985
83-R13	0	0	0	0	0	0
83-R14	0	0	0	0	0	0
83-R15	0	0	0	0	0	0
83-R16	0	0	0	0	0	0
83-R17	0	0	0	0	0	0
83-R18	0	0	0	0	0	0
83-R19	0	0	0	0	0	0
83-R2	0	0	0	0	0	0
83-R20	0	0	0	0	0	0
83-R21	0	0	0	0	0	0
83-R22	0	0	0	0	0	0
83-R23	0	0	0	0	0	0
83-R24	0	0	0	0	0	0
83-R25	0	0	0	0	0	0
83-R26	0	0	0	0	0	0
83-R27	0	0	0	0	0	0
83-R28	0.000011122	0.000002707	0.000000913	0.000000747	0.000002374	0.000247743
83-R29	0.000795223	0.00019355	0.000065284	0.000053377	0.000169723	0.017713902
83-R3	0	0	0	0	0	0
83-R30	0.000969313	0.000235922	0.000079576	0.000065062	0.000206878	0.02159183
83-R31	0.000969313	0.000235922	0.000079576	0.000065062	0.000206878	0.02159183
83-R4	0	0	0	0	0	0
83-R5	0	0	0	0	0	0
83-R6	0	0	0	0	0	0

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-R7	0.000048695	0.000003008	0.000001462	0.00000119	0.000002816	0.000440479
83-R8	0.000540506	0.000033393	0.000016225	0.000013212	0.000031257	0.00488927
83-R9	0.001986695	0.00012274	0.000059636	0.000048561	0.00011489	0.017971115
83-S10	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-S11	0.002198096	0.0001358	0.000065981	0.000053728	0.000127115	0.019883391
83-S12	0.000709534	0.000043836	0.000021298	0.000017343	0.000041032	0.006418255
83-S13	0	0	0	0	0	0
83-S14	0	0	0	0	0	0
83-S15	0	0	0	0	0	0
83-S16	0	0	0	0	0	0
83-S17	0	0	0	0	0	0
83-S18	0	0	0	0	0	0
83-S19	0	0	0	0	0	0
83-S2	0	0	0	0	0	0
83-S20	0	0	0	0	0	0
83-S21	0	0	0	0	0	0
83-S22	0	0	0	0	0	0
83-S23	0	0	0	0	0	0
83-S24	0	0	0	0	0	0
83-S25	0	0	0	0	0	0
83-S26	0	0	0	0	0	0
83-S27	0	0	0	0	0	0
83-S28	0.000383459	0.000093331	0.00003148	0.000025738	0.000081841	0.008541708
83-S29	0.000969313	0.000235922	0.000079576	0.000065062	0.000206878	0.02159183
83-S3	0	0	0	0	0	0
83-S30	0.000969313	0.000235922	0.000079576	0.000065062	0.000206878	0.02159183
83-S31	0.000969313	0.000235922	0.000079576	0.000065062	0.000206878	0.02159183
83-S4	0	0	0	0	0	0
83-S5	0	0	0	0	0	0
83-S6	0	0	0	0	0	0
83-S7	0	0	0	0	0	0
83-S8	0	0	0	0	0	0
83-S9	0.000832928	0.000051459	0.000025002	0.000020359	0.000048168	0.007534444
83-T1	0.011679183	0.030161244	0.013773076	0.011426203	0.024544787	0.226933158
83-T10	0.001261521	0.000077938	0.000037868	0.000030835	0.000072953	0.011411386
83-T11	0.002190018	0.000135301	0.000065739	0.00005353	0.000126648	0.019810324
83-T12	0.000232265	0.00001435	0.000006972	0.000005677	0.000013432	0.002101006
83-T13	0	0	0	0	0	0
83-T14	0	0	0	0	0	0
83-T15	0	0	0	0	0	0
83-T16	0	0	0	0	0	0
83-T17	0	0	0	0	0	0
83-T18	0	0	0	0	0	0
83-T19	0	0	0	0	0	0
83-T2	0	0	0	0	0	0
83-T20	0	0	0	0	0	0
83-T21	0	0	0	0	0	0
83-T22	0	0	0	0	0	0
83-T23	0	0	0	0	0	0
83-T24	0	0	0	0	0	0
83-T25	0	0	0	0	0	0
83-T29	0.000969313	0.000235922	0.000079576	0.000065062	0.000206878	0.02159183

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-T3	0	0	0	0	0	0
83-T4	0	0	0	0	0	0
83-T5	0	0	0	0	0	0
83-T6	0	0	0	0	0	0
83-T7	0	0	0	0	0	0
83-T8	0	0	0	0	0	0
83-T9	0.000052703	0.000003256	0.000001582	0.000001288	0.000003048	0.000476736
83-U1	0.007441322	0.019217058	0.008775434	0.007280137	0.015638566	0.144589119
83-U10	0.000218981	0.000013529	0.000006573	0.000005353	0.000012664	0.001980846
83-U11	0.001352513	0.000083559	0.000040599	0.000033059	0.000078215	0.012234478
83-U12	0	0	0	0	0	0
83-U13	0	0	0	0	0	0
83-U14	0	0	0	0	0	0
83-U15	0	0	0	0	0	0
83-U16	0	0	0	0	0	0
83-U17	0	0	0	0	0	0
83-U18	0	0	0	0	0	0
83-U19	0	0	0	0	0	0
83-U2	0	0	0	0	0	0
83-U20	0	0	0	0	0	0
83-U21	0	0	0	0	0	0
83-U22	0	0	0	0	0	0
83-U23	0	0	0	0	0	0
83-U24	0	0	0	0	0	0
83-U3	0	0	0	0	0	0
83-U4	0	0	0	0	0	0
83-U5	0	0	0	0	0	0
83-U6	0	0	0	0	0	0
83-U7	0	0	0	0	0	0
83-U8	0	0	0	0	0	0
83-U9	0	0	0	0	0	0
83-V1	0.00145959	0.003769361	0.001721272	0.001427974	0.003067452	0.028360666
83-V10	0.001210718	0.000074799	0.000036343	0.000029593	0.000070015	0.010951834
83-V11	0.316443	0.019550105	0.00949885	0.007734794	0.018299808	2.862459532
83-V12	0.40720317	0.025157342	0.01222325	0.009953239	0.023548442	3.683451978
83-V13	0.376781895	0.023277891	0.011310078	0.009209654	0.021789188	3.408269186
83-V14	0	0	0	0	0	0
83-V15	0	0	0	0	0	0
83-V16	0	0	0	0	0	0
83-V17	0	0	0	0	0	0
83-V18	0	0	0	0	0	0
83-V19	0	0	0	0	0	0
83-V2	0	0	0	0	0	0
83-V20	0	0	0	0	0	0
83-V21	0	0	0	0	0	0
83-V22	0	0	0	0	0	0
83-V23	0	0	0	0	0	0
83-V3	0	0	0	0	0	0
83-V4	0	0	0	0	0	0
83-V5	0	0	0	0	0	0
83-V6	0	0	0	0	0	0
83-V7	0	0	0	0	0	0

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-V8	0	0	0	0	0	0
83-V9	0	0	0	0	0	0
83-W10	0.073330299	0.004530405	0.002201197	0.001792407	0.00424067	0.663326451
83-W11	0.059083048	0.003650199	0.00177353	0.001444163	0.003416756	0.534449599
83-W12	0.123771447	0.0076467	0.003715318	0.003025337	0.007157667	1.119603716
83-W13	0.690543251	0.042662322	0.020728432	0.016878901	0.039933917	6.246471285
83-W14	0.351061686	0.021688875	0.010538019	0.008580977	0.020301796	3.175610996
83-W15	0	0	0	0	0	0
83-W16	0	0	0	0	0	0
83-W17	0	0	0	0	0	0
83-W18	0	0	0	0	0	0
83-W19	0	0	0	0	0	0
83-W2	0	0	0	0	0	0
83-W20	0	0	0	0	0	0
83-W21	0	0	0	0	0	0
83-W22	0	0	0	0	0	0
83-W23	0	0	0	0	0	0
83-W3	0	0	0	0	0	0
83-W4	0	0	0	0	0	0
83-W5	0	0	0	0	0	0
83-W6	0	0	0	0	0	0
83-W7	0	0	0	0	0	0
83-W8	0	0	0	0	0	0
83-W9	0.006803928	0.000420352	0.000204237	0.000166308	0.000393469	0.061546528
83-X10	0.120245255	0.007428849	0.003609471	0.002939146	0.006953748	1.087706715
83-X11	0.028588613	0.001766228	0.000858161	0.00069879	0.001653271	0.25860502
83-X12	0.026904244	0.001662166	0.0008076	0.000657619	0.001555865	0.243368659
83-X13	0.027240959	0.001682969	0.000817707	0.000665849	0.001575337	0.246414501
83-X14	0.078298833	0.004837365	0.002350341	0.001913853	0.004527999	0.708270497
83-X15	0	0	0	0	0	0
83-X16	0	0	0	0	0	0
83-X17	0.000376978	0.00002329	0.000011316	0.000009214	0.000021801	0.003410046
83-X18	0.002427722	0.000149987	0.000072874	0.000059341	0.000140394	0.021960531
83-X19	0.001538856	0.000095072	0.000046193	0.000037614	0.000088992	0.013920086
83-X20	0	0	0	0	0	0
83-X21	0	0	0	0	0	0
83-X22	0	0	0	0	0	0
83-X23	0	0	0	0	0	0
83-X4	0	0	0	0	0	0
83-X5	0	0	0	0	0	0
83-X6	0	0	0	0	0	0
83-X7	0.005866633	0.000362445	0.000176102	0.000143398	0.000339266	0.05306801
83-X8	0.068989816	0.004262247	0.002070907	0.001686313	0.003989661	0.624063592
83-X9	0.125994691	0.007784054	0.003782055	0.00307968	0.007286237	1.139714589
83-Y10	0.085862884	0.005304679	0.002577395	0.002098741	0.004965426	0.776692901
83-Y11	0.013416236	0.000828866	0.000402723	0.000327932	0.000775857	0.121359717
83-Y12	0.027240959	0.001682969	0.000817707	0.000665849	0.001575337	0.246414501
83-Y13	0.027240959	0.001682969	0.000817707	0.000665849	0.001575337	0.246414501
83-Y14	0.026350328	0.001627945	0.000790973	0.000644079	0.001523832	0.238358089
83-Y15	0.011891436	0.000734663	0.000356952	0.000290662	0.000687678	0.107566781
83-Y16	0.003299761	0.000203862	0.000099051	0.000080656	0.000190824	0.029848763
83-Y17	0.004711309	0.000291068	0.000141422	0.000115158	0.000272454	0.042617249

Grid_id	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-Y18	0.004751812	0.000293571	0.000142638	0.000116148	0.000274796	0.042983628
83-Y19	0.002298867	0.000142026	0.000069006	0.000056191	0.000132943	0.020794938
83-Y20	0	0	0	0	0	0
83-Y4	0	0	0	0	0	0
83-Y5	0	0	0	0	0	0
83-Y6	0.001229572	0.000075964	0.000036909	0.000030054	0.000071106	0.011122384
83-Y7	0.04995492	0.003086255	0.001499525	0.001221045	0.002888879	0.451878969
83-Y8	0.125760425	0.007769581	0.003775023	0.003073953	0.007272689	1.13759548
83-Y9	0.114410911	0.007068399	0.003434338	0.002796538	0.00661635	1.03493079
83-Z10	0.091701751	0.005665409	0.002752664	0.00224146	0.005303086	0.829509746
83-Z11	0.005585841	0.000345098	0.000167673	0.000136534	0.000323028	0.050528035
83-Z12	0.027240959	0.001682969	0.000817707	0.000665849	0.001575337	0.246414501
83-Z13	0.027240959	0.001682969	0.000817707	0.000665849	0.001575337	0.246414501
83-Z14	0.025760145	0.001591483	0.000773257	0.000629653	0.001489702	0.23301945
83-Z15	0.012660875	0.000782199	0.000380049	0.000309469	0.000732175	0.114526923
83-Z16	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-Z17	0.00492206	0.000304089	0.000147748	0.00012031	0.000284641	0.044523649
83-Z18	0.003781701	0.000233637	0.000113517	0.000092436	0.000218695	0.034208265
83-Z4	0	0	0	0	0	0
83-Z5	0.023171096	0.001431529	0.00069554	0.000566369	0.001339978	0.209599591
83-Z6	0.008679877	0.00053625	0.000260549	0.000212162	0.000501955	0.078515866
83-Z7	0.001217955	0.000075246	0.00003656	0.00002977	0.000070434	0.0110173
83-Z8	0.088563137	0.005471502	0.00265845	0.002164743	0.005121581	0.801118671
83-Z9	0.111463354	0.006886296	0.003345859	0.002724491	0.006445894	1.00826797

Grid_id	1982 so2 misc.	1998 so2 misc.
76-A13	0	0
76-B12	0	0
76-B13	0	0
76-B14	0	0
76-B16	0.001756635	0.001272764
76-B17	0.001647395	0.001193615
76-C12	0	0
76-C13	0	0
76-C14	0	0
76-C15	0.000032181	0.000023317
76-C16	0.003215655	0.002329892
76-C17	0.003215655	0.002329892
76-C18	0.003215655	0.002329892
76-D12	0	0
76-D13	0	0
76-D14	0	0
76-D15	0.000065718	0.000047616
76-D16	0.003215655	0.002329892
76-D17	0.003215655	0.002329892
76-D18	0.003034435	0.00219859
76-D19	0.00145172	0.001051839
76-D20	0.00000108	0.000000783
76-D21	0	0
76-E11	0	0
76-E12	0	0
76-E13	0	0
76-E14	0	0
76-E15	0.000099121	0.000071818
76-E16	0.003132136	0.002269379
76-E17	0.00134786	0.000976588
76-E18	0.000781295	0.000566085
76-E19	0	0
76-E20	0	0
76-E21	0	0
76-E22	0	0
76-E23	0	0
76-E29	0	0
76-F10	0	0
76-F11	0	0
76-F12	0	0
76-F13	0	0
76-F14	0	0
76-F15	0.000082334	0.000059655
76-F16	0.000900274	0.000652291
76-F17	0	0
76-F18	0	0
76-F19	0	0
76-F20	0	0
76-F21	0	0
76-F22	0	0
76-F23	0	0

Grid_id	1982 so2 misc.	1998 so2 misc.
76-F24	0	0
76-F25	0	0
76-F26	0	0
76-F27	0	0
76-F28	0	0
76-F29	0	0
76-G10	0	0
76-G11	0	0
76-G12	0	0
76-G13	0	0
76-G14	0	0
76-G15	0	0
76-G16	0	0
76-G17	0	0
76-G18	0	0
76-G19	0	0
76-G20	0	0
76-G21	0	0
76-G22	0	0
76-G23	0	0
76-G24	0	0
76-G25	0	0
76-G26	0	0
76-G27	0	0
76-G28	0	0
76-G29	0	0
76-G8	0.445961462	0.265903994
76-G9	0	0
76-H10	0	0
76-H11	0	0
76-H12	0	0
76-H13	0	0
76-H14	0.000103393	0.00005617
76-H15	0.000073185	0.000039759
76-H16	0	0
76-H17	0	0
76-H18	0	0
76-H19	0	0
76-H20	0	0
76-H21	0	0
76-H22	0	0
76-H23	0	0
76-H24	0	0
76-H25	0	0
76-H26	0	0
76-H27	0	0
76-H28	0	0
76-H8	0.033063349	0.019713983
76-H9	0	0
76-I10	0.078578162	0.042689049
76-I11	0.134161998	0.072886002

Grid_id	1982 so2 misc.	1998 so2 misc.
76-I12	0.256387766	0.139287425
76-I13	0.184060289	0.099994177
76-I14	0.000562111	0.000305377
76-I15	0	0
76-I16	0	0
76-I17	0	0
76-I18	0	0
76-I19	0	0
76-I20	0	0
76-I21	0	0
76-I22	0	0
76-I23	0	0
76-I24	0	0
76-I25	0	0
76-I26	0	0
76-I27	0	0
76-I28	0	0
76-I8	0.11979259	0.065079553
76-I9	0.094652609	0.051421791
76-J10	1.47924282	0.803626186
76-J11	1.705133161	0.926345316
76-J12	1.379764254	0.749582604
76-J13	0.256249893	0.139212522
76-J14	0.036869786	0.020030197
76-J15	0.001069744	0.000581159
76-J16	0.000058166	0.0000316
76-J17	0	0
76-J18	0	0
76-J19	0	0
76-J20	0	0
76-J21	0	0
76-J22	0	0
76-J23	0	0
76-J24	0	0
76-J25	0	0
76-J26	0	0
76-J27	0	0
76-J28	0	0
76-J8	0.089395915	0.048565994
76-J9	0.22270408	0.120988135
76-K10	0.467513368	0.253985335
76-K11	1.521073275	0.826351359
76-K12	1.467535023	0.797265707
76-K13	0.144721824	0.078622824
76-K14	0.046792488	0.02542089
76-K15	0.032466205	0.01763787
76-K16	0.015426669	0.008380825
76-K17	0.004625277	0.002512768
76-K18	0	0
76-K19	0	0
76-K20	0	0

Grid_id	1982 so2 misc.	1998 so2 misc.
76-K21	0	0
76-K22	0	0
76-K23	0	0
76-K24	0	0
76-K25	0	0
76-K26	0	0
76-K27	0	0
76-K8	0.000686445	0.000372924
76-K9	0.183327733	0.099596202
76-L10	0.189368341	0.102877875
76-L11	0.17298854	0.093979243
76-L12	0.322832527	0.175384777
76-L13	0.477625919	0.259479168
76-L14	0.109533747	0.059506246
76-L15	0.06720183	0.036508644
76-L16	0.068724221	0.037335712
76-L17	0.069217494	0.037603691
76-L18	0.068865501	0.037412465
76-L19	0.381437961	0.207223271
76-L20	0.08545898	0.046427181
76-L21	0.009394964	0.005103989
76-L22	0.000016597	0.000009016
76-L23	0	0
76-L24	0	0
76-L25	0	0
76-L26	0	0
76-L7	0.001890736	0.001027178
76-L8	0.006135524	0.003333238
76-L9	0.042656293	0.023173825
76-M10	0.013458276	0.007311459
76-M11	0.011639366	0.006323302
76-M12	0.545506514	0.296356563
76-M13	0.157878401	0.085770379
76-M14	0.094180525	0.051165323
76-M15	0.014833326	0.008058481
76-M16	0.018483003	0.010041236
76-M17	0.014770789	0.008024506
76-M18	0.039172563	0.021281224
76-M19	0.089458708	0.048600108
76-M20	0.079739133	0.043319768
76-M21	0.039729795	0.021583951
76-M22	0.028033602	0.015229776
76-M23	0.001289991	0.000700811
76-M24	0	0
76-M25	0	0
76-M26	0	0
76-M7	0.000125683	0.00006828
76-M8	0.00450725	0.002448647
76-M9	0.006978126	0.003790997
76-N10	0.005117921	0.002780406
76-N11	0.007996049	0.004344002

Grid_id	1982 so2 misc.	1998 so2 misc.
76-N12	0.002331515	0.001266639
76-N13	0.002331515	0.001266639
76-N14	0.011867191	0.006447073
76-N15	0.002331515	0.001266639
76-N16	0.002308383	0.001254072
76-N17	0.002290768	0.001244503
76-N18	0.001490323	0.000809646
76-N19	0.002206411	0.001198674
76-N20	0.011043733	0.005999713
76-N21	0.007635169	0.004147948
76-N22	0.002457229	0.001334935
76-N23	0.000177061	0.000096192
76-N24	0	0
76-N25	0	0
76-N26	0	0
76-N6	0.00011976	0.000065062
76-N7	0.00011976	0.000065062
76-N8	0.000191222	0.000103885
76-N9	0.001805475	0.000980858
76-O10	0.00018027	0.000097935
76-O11	0.008519256	0.004628244
76-O12	0.002331515	0.001266639
76-O13	0.002331515	0.001266639
76-O14	0.002331515	0.001266639
76-O15	0.002331515	0.001266639
76-O16	0.001883691	0.00102335
76-O17	0.000935872	0.00050843
76-O18	0.001671934	0.000908309
76-O19	0.002491086	0.001353329
76-O20	0.00191784	0.001041902
76-O21	0	0
76-O22	0.001073859	0.000583394
76-O23	0.000744568	0.000404501
76-O24	0	0
76-O4	0.000099699	0.000054163
76-O5	0.00011976	0.000065062
76-O6	0.00011976	0.000065062
76-O7	0.00011976	0.000065062
76-O8	0.00011162	0.00006064
76-O9	0.000002109	0.000001146
76-P10	0	0
76-P11	0.000921022	0.000500363
76-P12	0.002319409	0.001260062
76-P13	0.002331515	0.001266639
76-P14	0.002331515	0.001266639
76-P15	0.002331515	0.001266639
76-P16	0.001228156	0.000667218
76-P17	0.000906465	0.000492454
76-P18	0.002489422	0.001352425
76-P19	0.002491086	0.001353329
76-P2	0	0

Grid_id	1982 so2 misc.	1998 so2 misc.
76-P20	0.001964661	0.001067339
76-P21	0	0
76-P3	0.000049942	0.000027132
76-P4	0.00011976	0.000065062
76-P5	0.00011976	0.000065062
76-P6	0.00011976	0.000065062
76-P7	0.00009242	0.000050209
76-P8	0.000025181	0.00001368
76-P9	0	0
76-Q1	0	0
76-Q10	0	0
76-Q11	0	0
76-Q12	0.002011493	0.001092781
76-Q13	0.002331515	0.001266639
76-Q14	0.002080531	0.001130287
76-Q15	0.000876597	0.000476228
76-Q16	0.000129108	0.000070141
76-Q17	0.001264794	0.000687123
76-Q18	0.002491086	0.001353329
76-Q19	0.002491086	0.001353329
76-Q2	0.000007712	0.00000419
76-Q20	0.001628754	0.000884851
76-Q3	0.000110391	0.000059972
76-Q4	0.00011976	0.000065062
76-Q5	0.00011976	0.000065062
76-Q6	0.000086045	0.000046746
76-Q7	0.000012102	0.000006575
76-Q8	0	0
76-Q9	0	0
76-R1	0	0
76-R10	0	0
76-R11	0	0
76-R12	0.00061086	0.000331861
76-R13	0.000989956	0.000537812
76-R14	0.000262934	0.000142844
76-R15	0	0
76-R16	0.000332413	0.00018059
76-R17	0.002454476	0.00133344
76-R18	0.002491086	0.001353329
76-R19	0.002478785	0.001346646
76-R2	0.000066549	0.000036154
76-R3	0.00011976	0.000065062
76-R4	0.00011976	0.000065062
76-R5	0.00011976	0.000065062
76-R6	0.000035968	0.000019541
76-R7	0	0
76-R8	0	0
76-R9	0	0
76-S1	0.000017689	0.00000961
76-S10	0.000008224	0.000004468
76-S11	0	0

Grid_id	1982 so2 misc.	1998 so2 misc.
76-S12	0.000132924	0.000072213
76-S13	0.000174521	0.000094812
76-S14	0.00021778	0.000118313
76-S15	0.0001537	0.0000835
76-S2	0.000117087	0.00006361
76-S3	0.00011976	0.000065062
76-S4	0.00011976	0.000065062
76-S5	0.00011976	0.000065062
76-S6	0.000118445	0.000064348
76-S7	0.00008321	0.000045205
76-S8	0.000049712	0.000027007
76-S9	0.000029526	0.000016041
76-T1	0.000083243	0.000045223
76-T10	0.000116412	0.000063243
76-T11	0.000051834	0.00002816
76-T12	0.000151364	0.000082231
76-T13	0.000289557	0.000157307
76-T14	0.000257295	0.00013978
76-T15	0.000277087	0.000150533
76-T2	0.00011976	0.000065062
76-T3	0.00011976	0.000065062
76-T4	0.00011976	0.000065062
76-T5	0.00011976	0.000065062
76-T6	0.00011976	0.000065062
76-T7	0.00011976	0.000065062
76-T8	0.00011976	0.000065062
76-T9	0.00011976	0.000065062
76-U10	0.00011976	0.000065062
76-U11	0.000119691	0.000065024
76-U12	0.00007999	0.000043456
76-U13	0.000107325	0.000058307
76-U14	0.000253852	0.00013791
76-U15	0.0002474	0.000134405
76-U3	0.00011976	0.000065062
76-U4	0.00011976	0.000065062
76-U5	0.00011976	0.000065062
76-U6	0.00011976	0.000065062
76-U7	0.00011976	0.000065062
76-U8	0.00011976	0.000065062
76-U9	0.00011976	0.000065062
76-V3	0.00011976	0.000065062
76-V4	0.00011976	0.000065062
76-V5	0.00011976	0.000065062
76-V6	0.00011976	0.000065062
76-W4	0.00011976	0.000065062
76-W5	0.00011976	0.000065062

Grid_id	1996 so2 misc.	1998 so2 misc.
85-A6	0.012013071	0.01046191
85-B6	0.019824138	0.01726439
85-B7	0.026140619	0.022765269
85-B8	0.031627207	0.027543413
85-C10	0.023611546	0.020562757
85-C11	0.023464641	0.020434821
85-C12	0.019841293	0.01727933
85-C13	0.006041783	0.005261651
85-C5	0.014659747	0.01276684
85-C6	0.022981037	0.020013661
85-C7	0.027951198	0.024342061
85-C8	0.028264258	0.024614698
85-C9	0.028246524	0.024599254
85-D10	0.035277701	0.030722546
85-D11	0.050638291	0.044099733
85-D12	0.059134812	0.051499159
85-D13	0.001943147	0.001692243
85-D14	0.003463633	0.003016399
85-D15	0.003460678	0.003013826
85-D4	0.004384703	0.003818538
85-D5	0.02262118	0.01970027
85-D6	0.022981037	0.020013661
85-D7	0.036861515	0.032101853
85-D8	0.037530854	0.032684765
85-D9	0.03267262	0.02845384
85-E10	0.049086305	0.042748144
85-E11	0.069728869	0.060725283
85-E12	0.036411107	0.031709604
85-E13	0.00343445	0.002990985
85-E14	0.003463633	0.003016399
85-E15	0.003398393	0.002959583
85-E3	0	0
85-E4	0.010648132	0.009273216
85-E5	0.022981037	0.020013661
85-E6	0.022981037	0.020013661
85-E7	0.031645834	0.027559635
85-E8	0.042097344	0.036661618
85-E9	0.041332446	0.035995485
85-F10	0.126264397	0.109960786
85-F11	0.057418041	0.050004063
85-F12	0.005675393	0.004942571
85-F13	0.003463633	0.003016399
85-F14	0.003463633	0.003016399
85-F15	0.003352379	0.00291951
85-F3	0.018377408	0.016004465
85-F4	0.020421418	0.017784547
85-F5	0.022981037	0.020013661
85-F6	0.022981037	0.020013661
85-F7	0.026950132	0.023470256
85-F8	0.037806615	0.03292492
85-F9	0.02859269	0.024900722

Grid_id	1996 so2 misc.	1998 so2 misc.
85-G10	0.091892165	0.080026792
85-G11	0.068655795	0.059790767
85-G12	0.032803482	0.028567804
85-G13	0.023320827	0.020309576
85-G14	0.00522878	0.004553625
85-G15	0.00333643	0.002905621
85-G2	0.011763692	0.010244731
85-G3	0.02290153	0.019944421
85-G4	0.022981037	0.020013661
85-G5	0.022816772	0.019870607
85-G6	0.022981037	0.020013661
85-G7	0.170188485	0.148213273
85-G8	0.143235878	0.124740863
85-G9	0.106441942	0.092697861
85-H1	0	0
85-H10	0.033914258	0.029535154
85-H11	0.015641582	0.013621897
85-H12	0.011595262	0.01009805
85-H13	0.045935513	0.040004191
85-H14	0.022434039	0.019537293
85-H15	0.003076116	0.002678919
85-H2	0	0
85-H3	0.006750094	0.005878503
85-H4	0.079407926	0.069154553
85-H5	1.914686249	1.667456619
85-H6	1.570535591	1.367743652
85-H7	1.069199542	0.931141512
85-H8	1.297650634	1.130094363
85-H9	0.212234783	0.184830435
85-I10	0.017236715	0.015011063
85-I11	0.011662162	0.010156311
85-I12	0.008648018	0.007531362
85-I13	0.008259451	0.007192968
85-I14	0.017851787	0.015546714
85-I15	0.003315658	0.002887531
85-I16	0.002813278	0.00245002
85-I2	0.007534629	0.006561736
85-I3	0.004977932	0.004335168
85-I4	1.060657881	0.923702775
85-I5	2.273316733	1.979779731
85-I6	1.673818863	1.457690699
85-I7	0.883222183	0.769178069
85-I8	0.733261282	0.638580539
85-I9	0.141995176	0.123660363
85-J1	0	0
85-J10	0.019329051	0.01683323
85-J11	0.01271752	0.011075399
85-J12	0.006787467	0.005911051
85-J13	0.001390136	0.001210638
85-J14	0.000942564	0.000820857
85-J15	0.003463633	0.003016399

Grid_id	1996 so2 misc.	1998 so2 misc.
85-J16	0.003462925	0.003015782
85-J17	0.002958299	0.002576315
85-J2	0.02967395	0.025842367
85-J3	0.119849101	0.104373851
85-J4	1.355539319	1.180508299
85-J5	3.41450232	2.97361225
85-J6	1.767984622	1.539697512
85-J7	2.121531134	1.847593113
85-J8	1.002381425	0.872951138
85-J9	0.206366211	0.17971963
85-K1	0	0
85-K10	0.005935356	0.005168966
85-K11	0.003811845	0.003319649
85-K12	0.003811845	0.003319649
85-K13	0.003165079	0.002756395
85-K2	0.026667641	0.02322424
85-K3	0.140871838	0.122682073
85-K4	0.903856641	0.787148148
85-K5	4.078798088	3.552132292
85-K6	0.306335745	0.266780819
85-K7	0.831582409	0.724206167
85-K8	2.677519731	2.331790908
85-K9	0.5519723	0.480700097
85-L10	0.003811845	0.003319649
85-L11	0.003811845	0.003319649
85-L12	0.003811845	0.003319649
85-L13	0.003811845	0.003319649
85-L2	0.053207499	0.046337198
85-L3	0.067235418	0.058553793
85-L4	0.065610912	0.057139048
85-L5	0.051577968	0.044918077
85-L6	0.00000558	0.00000486
85-L7	0.201648003	0.175610649
85-L8	1.971329971	1.716786341
85-L9	0.551885498	0.480624502
85-M10	0.003811845	0.003319649
85-M11	0.003811845	0.003319649
85-M12	0.003811845	0.003319649
85-M13	0.003811845	0.003319649
85-M3	0.160417943	0.13970433
85-M4	0.173125367	0.150770936
85-M5	0.062579144	0.05449875
85-M6	0.346890313	0.302098867
85-M7	0.578208246	0.503548384
85-M8	1.094082324	0.95281136
85-M9	0.307462001	0.267761649
85-N10	0.0037087	0.003229823
85-N11	0.003811845	0.003319649
85-N12	0.003811845	0.003319649
85-N13	0.003811845	0.003319649
85-N3	0.083071575	0.072345141

Grid_id	1996 so2 misc.	1998 so2 misc.
85-N4	0.96019778	0.836214361
85-N5	0.026913211	0.023438102
85-N6	0.211594819	0.184273105
85-N7	0.246081299	0.214306596
85-N8	0.478586709	0.416790257
85-N9	0.163819914	0.14266703
85-O10	0.003712507	0.003233138
85-O11	0.003811845	0.003319649
85-O12	0.003811845	0.003319649
85-O13	0.003811845	0.003319649
85-O3	1.325155398	1.154047635
85-O4	2.419281013	2.106896696
85-O5	0.382216652	0.332863771
85-O6	0	0
85-O7	0.009529926	0.008299395
85-O8	0.005017822	0.004369907
85-O9	0.003568629	0.003107838
85-P10	0.003811845	0.003319649
85-P11	0.003811845	0.003319649
85-P12	0.003811845	0.003319649
85-P13	0.003139814	0.002734393
85-P3	1.980349382	1.724641142
85-P4	1.695553081	1.476618538
85-P5	3.347719451	2.915452569
85-P6	3.299329623	2.873310972
85-P7	0.762479929	0.664026392
85-P8	0.000793169	0.000690753
85-P9	0.003609575	0.003143497
85-Q10	0.003811845	0.003319649
85-Q11	0.003811845	0.003319649
85-Q12	0.002324529	0.002024379
85-Q3	0.062835679	0.05472216
85-Q4	0.608091465	0.529572997
85-Q5	3.389407216	2.951757496
85-Q6	4.811392401	4.190131984
85-R11	0.003811845	0.003319649
85-R12	0.000380293	0.000331188
85-S11	0.000975176	0.000849259

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-A13	0	0	0	0	0	0	0	0
76-B12	0	0	0	0	0	0	0	0
76-B13	0	0	0	0	0	0	0	0
76-B14	0	0	0	0	0	0	0	0
76-B16	0.001381369	0.012333468	0.005869268	0.001427827	0.001756635	0.001272764	0.00272557	0.128947296
76-B17	0.001295466	0.011566492	0.005504278	0.001339035	0.001647395	0.001193615	0.002556076	0.120928501
76-C12	0	0	0	0	0	0	0	0
76-C13	0	0	0	0	0	0	0	0
76-C14	0	0	0	0	0	0	0	0
76-C15	0.000025306	0.000225947	0.000107524	0.000026158	0.000032181	0.000023317	0.000049932	0.002362293
76-C16	0.002528701	0.022577361	0.010744145	0.002613747	0.003215655	0.002329892	0.004989366	0.236047936
76-C17	0.002528701	0.022577361	0.010744145	0.002613747	0.003215655	0.002329892	0.004989366	0.236047936
76-C18	0.002528701	0.022577361	0.010744145	0.002613747	0.003215655	0.002329892	0.004989366	0.236047936
76-D12	0	0	0	0	0	0	0	0
76-D13	0	0	0	0	0	0	0	0
76-D14	0	0	0	0	0	0	0	0
76-D15	0.000051679	0.000461411	0.000219577	0.000053417	0.000065718	0.000047616	0.000101967	0.004824085
76-D16	0.002528701	0.022577361	0.010744145	0.002613747	0.003215655	0.002329892	0.004989366	0.236047936
76-D17	0.002528701	0.022577361	0.010744145	0.002613747	0.003215655	0.002329892	0.004989366	0.236047936
76-D18	0.002386195	0.021305002	0.010138653	0.002466448	0.003034435	0.00219859	0.004708187	0.222745323
76-D19	0.001141592	0.010192639	0.004850487	0.001179987	0.00145172	0.001051839	0.002252469	0.106564775
76-D20	0.00000085	0.000007586	0.00000361	0.000000878	0.00000108	0.000000783	0.000001676	0.000079312
76-D21	0	0	0	0	0	0	0	0
76-E11	0	0	0	0	0	0	0	0
76-E12	0	0	0	0	0	0	0	0
76-E13	0	0	0	0	0	0	0	0
76-E14	0	0	0	0	0	0	0	0
76-E15	0.000077946	0.000695937	0.000331184	0.000080568	0.000099121	0.000071818	0.000153795	0.007276076
76-E16	0.002463025	0.021990972	0.010465093	0.002545862	0.003132136	0.002269379	0.00485978	0.22991719
76-E17	0.00105992	0.009463433	0.004503471	0.001095567	0.00134786	0.000976588	0.002091322	0.098940868
76-E18	0.000614389	0.005485533	0.002610463	0.000635052	0.000781295	0.000566085	0.001212247	0.057351642
76-E19	0	0	0	0	0	0	0	0
76-E20	0	0	0	0	0	0	0	0
76-E21	0	0	0	0	0	0	0	0
76-E22	0	0	0	0	0	0	0	0
76-E23	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-E29	0	0	0	0	0	0	0	0
76-F10	0	0	0	0	0	0	0	0
76-F11	0	0	0	0	0	0	0	0
76-F12	0	0	0	0	0	0	0	0
76-F13	0	0	0	0	0	0	0	0
76-F14	0	0	0	0	0	0	0	0
76-F15	0.000064745	0.000578076	0.000275096	0.000066923	0.000082334	0.000059655	0.000127749	0.006043829
76-F16	0.000707951	0.006320897	0.003007997	0.000731761	0.000900274	0.000652291	0.001396853	0.066085432
76-F17	0	0	0	0	0	0	0	0
76-F18	0	0	0	0	0	0	0	0
76-F19	0	0	0	0	0	0	0	0
76-F20	0	0	0	0	0	0	0	0
76-F21	0	0	0	0	0	0	0	0
76-F22	0	0	0	0	0	0	0	0
76-F23	0	0	0	0	0	0	0	0
76-F24	0	0	0	0	0	0	0	0
76-F25	0	0	0	0	0	0	0	0
76-F26	0	0	0	0	0	0	0	0
76-F27	0	0	0	0	0	0	0	0
76-F28	0	0	0	0	0	0	0	0
76-F29	0	0	0	0	0	0	0	0
76-G10	0	0	0	0	0	0	0	0
76-G11	0	0	0	0	0	0	0	0
76-G12	0	0	0	0	0	0	0	0
76-G13	0	0	0	0	0	0	0	0
76-G14	0	0	0	0	0	0	0	0
76-G15	0	0	0	0	0	0	0	0
76-G16	0	0	0	0	0	0	0	0
76-G17	0	0	0	0	0	0	0	0
76-G18	0	0	0	0	0	0	0	0
76-G19	0	0	0	0	0	0	0	0
76-G20	0	0	0	0	0	0	0	0
76-G21	0	0	0	0	0	0	0	0
76-G22	0	0	0	0	0	0	0	0
76-G23	0	0	0	0	0	0	0	0
76-G24	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-G25	0	0	0	0	0	0	0	0
76-G26	0	0	0	0	0	0	0	0
76-G27	0	0	0	0	0	0	0	0
76-G28	0	0	0	0	0	0	0	0
76-G29	0	0	0	0	0	0	0	0
76-G8	0.305328916	0.271791201	0.701895075	0.320519082	0.445961462	0.265903994	0.57119213	5.281057533
76-G9	0	0	0	0	0	0	0	0
76-H10	0	0	0	0	0	0	0	0
76-H11	0	0	0	0	0	0	0	0
76-H12	0	0	0	0	0	0	0	0
76-H13	0	0	0	0	0	0	0	0
76-H14	0.000063089	0.000836842	0.00020368	0.000068701	0.000103393	0.00005617	0.000178605	0.018641003
76-H15	0.000044656	0.000592344	0.000144172	0.000048629	0.000073185	0.000039759	0.000126423	0.013194704
76-H16	0	0	0	0	0	0	0	0
76-H17	0	0	0	0	0	0	0	0
76-H18	0	0	0	0	0	0	0	0
76-H19	0	0	0	0	0	0	0	0
76-H20	0	0	0	0	0	0	0	0
76-H21	0	0	0	0	0	0	0	0
76-H22	0	0	0	0	0	0	0	0
76-H23	0	0	0	0	0	0	0	0
76-H24	0	0	0	0	0	0	0	0
76-H25	0	0	0	0	0	0	0	0
76-H26	0	0	0	0	0	0	0	0
76-H27	0	0	0	0	0	0	0	0
76-H28	0	0	0	0	0	0	0	0
76-H8	0.022636925	0.020150457	0.052038133	0.023763117	0.033063349	0.019713983	0.042347885	0.391534835
76-H9	0	0	0	0	0	0	0	0
76-I10	0.047947045	0.635993432	0.154795417	0.052212273	0.078578162	0.042689049	0.135738673	14.16701002
76-I11	0.081863347	1.085876121	0.264293055	0.08914567	0.134161998	0.072886002	0.231756141	24.18832825
76-I12	0.156443412	2.075143155	0.505072276	0.170360157	0.256387766	0.139287425	0.442893219	46.22465014
76-I13	0.112310428	1.489741321	0.362590425	0.122301232	0.184060289	0.099994177	0.317952198	33.18458835
76-I14	0.00034299	0.004549595	0.001107333	0.000373502	0.000562111	0.000305377	0.00097101	0.101344067
76-I15	0	0	0	0	0	0	0	0
76-I16	0	0	0	0	0	0	0	0
76-I17	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-I18	0	0	0	0	0	0	0	0
76-I19	0	0	0	0	0	0	0	0
76-I20	0	0	0	0	0	0	0	0
76-I21	0	0	0	0	0	0	0	0
76-I22	0	0	0	0	0	0	0	0
76-I23	0	0	0	0	0	0	0	0
76-I24	0	0	0	0	0	0	0	0
76-I25	0	0	0	0	0	0	0	0
76-I26	0	0	0	0	0	0	0	0
76-I27	0	0	0	0	0	0	0	0
76-I28	0	0	0	0	0	0	0	0
76-I8	0.073095381	0.96957346	0.235985972	0.079597731	0.11979259	0.065079553	0.206933921	21.5976396
76-I9	0.057755396	0.76609628	0.186461349	0.062893147	0.094652609	0.051421791	0.163506236	17.0651034
76-J10	0.902608562	11.97264854	2.914041299	0.982901965	1.47924282	0.803626186	2.555295924	266.6955718
76-J11	1.040442974	13.80095263	3.359035033	1.132997717	1.705133161	0.926345316	2.945506824	307.4217822
76-J12	0.841908451	11.1674921	2.718073036	0.916802151	1.379764254	0.749582604	2.383453162	248.7603874
76-J13	0.156359284	2.074027242	0.504800673	0.170268546	0.256249893	0.139212522	0.442655051	46.19979274
76-J14	0.02249731	0.298415498	0.072631806	0.024498605	0.036869786	0.020030197	0.063690161	6.647325502
76-J15	0.00065274	0.008658263	0.002107348	0.000710805	0.001069744	0.000581159	0.001847914	0.192866287
76-J16	0.000035492	0.000470783	0.000114585	0.000038649	0.000058166	0.0000316	0.000100478	0.010486874
76-J17	0	0	0	0	0	0	0	0
76-J18	0	0	0	0	0	0	0	0
76-J19	0	0	0	0	0	0	0	0
76-J20	0	0	0	0	0	0	0	0
76-J21	0	0	0	0	0	0	0	0
76-J22	0	0	0	0	0	0	0	0
76-J23	0	0	0	0	0	0	0	0
76-J24	0	0	0	0	0	0	0	0
76-J25	0	0	0	0	0	0	0	0
76-J26	0	0	0	0	0	0	0	0
76-J27	0	0	0	0	0	0	0	0
76-J28	0	0	0	0	0	0	0	0
76-J8	0.054547852	0.72354982	0.176105901	0.059400269	0.089395915	0.048565994	0.154425639	16.11736387
76-J9	0.135890205	1.802515205	0.438716941	0.147978598	0.22270408	0.120988135	0.384706837	40.15175268
76-K10	0.285268628	3.783944849	0.920980141	0.310645286	0.467513368	0.253985335	0.807598988	84.28889657
76-K11	0.928132792	12.31121457	2.996445401	1.010696752	1.521073275	0.826351359	2.627555321	274.2372664

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-K12	0.89546467	11.87788837	2.890977474	0.975122569	1.467535023	0.797265707	2.535071468	264.5847507
76-K13	0.088306771	1.171344901	0.285095433	0.096162282	0.144721824	0.078622824	0.249997554	26.09217978
76-K14	0.028551973	0.378727556	0.092179081	0.031091872	0.046792488	0.02542089	0.080830985	8.436308954
76-K15	0.019810321	0.262773936	0.063956951	0.021572588	0.032466205	0.01763787	0.05608326	5.853395337
76-K16	0.009413089	0.124859887	0.03038984	0.010250449	0.015426669	0.008380825	0.02664857	2.781304316
76-K17	0.002822265	0.037435921	0.009111586	0.003073325	0.004625277	0.002512768	0.007989866	0.833900236
76-K18	0	0	0	0	0	0	0	0
76-K19	0	0	0	0	0	0	0	0
76-K20	0	0	0	0	0	0	0	0
76-K21	0	0	0	0	0	0	0	0
76-K22	0	0	0	0	0	0	0	0
76-K23	0	0	0	0	0	0	0	0
76-K24	0	0	0	0	0	0	0	0
76-K25	0	0	0	0	0	0	0	0
76-K26	0	0	0	0	0	0	0	0
76-K27	0	0	0	0	0	0	0	0
76-K8	0.000418857	0.00555593	0.001352266	0.000456117	0.000686445	0.000372924	0.00118579	0.123760588
76-K9	0.111863434	1.483812182	0.361147323	0.121814476	0.183327733	0.099596202	0.316686755	33.05251439
76-L10	0.115549309	1.532703466	0.373047048	0.125828237	0.189368341	0.102877875	0.327121514	34.14158744
76-L11	0.105554636	1.400129149	0.340779581	0.114944466	0.17298854	0.093979243	0.298826471	31.18844109
76-L12	0.196986864	2.612931649	0.635965442	0.214510235	0.322832527	0.175384777	0.557672228	58.20410559
76-L13	0.291439135	3.8657935	0.94090141	0.317364701	0.477625919	0.259479168	0.825067764	86.11210824
76-L14	0.066835611	0.886540763	0.215776516	0.072781111	0.109533747	0.059506246	0.189212436	19.74805279
76-L15	0.041005402	0.543916034	0.132384558	0.044653122	0.06720183	0.036508644	0.116086797	12.11594888
76-L16	0.04193434	0.55623792	0.135383601	0.045664695	0.068724221	0.037335712	0.11871663	12.39042385
76-L17	0.042235326	0.560230352	0.136355325	0.045992456	0.069217494	0.037603691	0.119568726	12.47935689
76-L18	0.042020545	0.557381403	0.135661914	0.04575857	0.068865501	0.037412465	0.118960681	12.4158954
76-L19	0.232746892	3.087270451	0.751415491	0.253451372	0.381437961	0.207223271	0.65890931	68.77019357
76-L20	0.052145602	0.691685181	0.168350316	0.056784321	0.08545898	0.046427181	0.147624839	15.40756617
76-L21	0.005732646	0.076040659	0.018507653	0.006242605	0.009394964	0.005103989	0.01622919	1.693836336
76-L22	0.000010127	0.000134329	0.000032695	0.000011028	0.000016597	0.000009016	0.00002867	0.002992241
76-L23	0	0	0	0	0	0	0	0
76-L24	0	0	0	0	0	0	0	0
76-L25	0	0	0	0	0	0	0	0
76-L26	0	0	0	0	0	0	0	0
76-L7	0.001153695	0.015303182	0.003724665	0.001256324	0.001890736	0.001027178	0.003266124	0.340884548

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-L8	0.003743792	0.049659511	0.012086704	0.004076828	0.006135524	0.003333238	0.01059872	1.106185614
76-L9	0.026028137	0.345250144	0.084030962	0.028343524	0.042656293	0.023173825	0.073685975	7.690586113
76-M10	0.008212009	0.108928167	0.026512194	0.008942525	0.013458276	0.007311459	0.023248298	2.426418817
76-M11	0.007102141	0.094206329	0.022929023	0.007733927	0.011639366	0.006323302	0.020106249	2.098483948
76-M12	0.332858707	4.415203294	1.074623103	0.362468838	0.545506514	0.296356563	0.942327084	98.35043288
76-M13	0.096334689	1.277831188	0.311013293	0.10490434	0.157878401	0.085770379	0.272724687	28.46420473
76-M14	0.057467339	0.76227534	0.185531364	0.062579464	0.094180525	0.051165323	0.162690741	16.97999042
76-M15	0.009051041	0.120057504	0.02922098	0.009856195	0.014833326	0.008058481	0.025623608	2.674329283
76-M16	0.011278012	0.149597147	0.036410679	0.01228127	0.018483003	0.010041236	0.031928189	3.332336755
76-M17	0.009012882	0.119551344	0.029097785	0.009814641	0.014770789	0.008024506	0.025515579	2.663054369
76-M18	0.023902425	0.317053647	0.077168174	0.026028715	0.039172563	0.021281224	0.06766806	7.062497779
76-M19	0.054586168	0.724058052	0.1762296	0.059441992	0.089458708	0.048600108	0.154534111	16.12868493
76-M20	0.04865545	0.645390066	0.157082478	0.052983695	0.079739133	0.043319768	0.137744176	14.37632383
76-M21	0.024242439	0.321563755	0.078265896	0.026398975	0.039729795	0.021583951	0.068630642	7.162962252
76-M22	0.017105623	0.226897482	0.055224926	0.018627289	0.028033602	0.015229776	0.048426228	5.054232854
76-M23	0.00078713	0.010440885	0.002541223	0.000857151	0.001289991	0.000700811	0.002228375	0.232574921
76-M24	0	0	0	0	0	0	0	0
76-M25	0	0	0	0	0	0	0	0
76-M26	0	0	0	0	0	0	0	0
76-M7	0.00007669	0.001017252	0.00024759	0.000083512	0.000125683	0.00006828	0.00021711	0.02265969
76-M8	0.002750247	0.036480638	0.008879079	0.002994901	0.00450725	0.002448647	0.007785982	0.812620925
76-M9	0.004257933	0.056479337	0.013746592	0.004636706	0.006978126	0.003790997	0.01205426	1.258099988
76-N10	0.003122868	0.041423268	0.010082073	0.003400669	0.005117921	0.002780406	0.008840877	0.92271998
76-N11	0.004879052	0.064718164	0.015751853	0.005313078	0.007996049	0.004344002	0.013812655	1.441623191
76-N12	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-N13	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-N14	0.007241156	0.096050296	0.023377829	0.007885308	0.011867191	0.006447073	0.020499802	2.139559055
76-N15	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-N16	0.001408536	0.018683516	0.00454741	0.001533835	0.002308383	0.001254072	0.003987582	0.416182853
76-N17	0.001397787	0.018540948	0.004512709	0.00152213	0.002290768	0.001244503	0.003957154	0.413007095
76-N18	0.000909369	0.012062326	0.002935868	0.000990264	0.001490323	0.000809646	0.002574436	0.268693176
76-N19	0.001346314	0.017858183	0.004346531	0.001466079	0.002206411	0.001198674	0.003811433	0.39779823
76-N20	0.006738696	0.089385411	0.021755653	0.007338151	0.011043733	0.005999713	0.019077331	1.991096064
76-N21	0.004658849	0.061797289	0.015040937	0.005073287	0.007635169	0.004147948	0.013189259	1.376559542
76-N22	0.001499359	0.019888239	0.004840629	0.001632737	0.002457229	0.001334935	0.004244703	0.443018549
76-N23	0.00010804	0.001433092	0.000348802	0.000117651	0.000177061	0.000096192	0.000305862	0.031922706

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-N24	0	0	0	0	0	0	0	0
76-N25	0	0	0	0	0	0	0	0
76-N26	0	0	0	0	0	0	0	0
76-N6	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-N7	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-N8	0.00011668	0.001547707	0.000376699	0.00012706	0.000191222	0.000103885	0.000330324	0.034475794
76-N9	0.00110167	0.014613097	0.003556704	0.001199671	0.001805475	0.000980858	0.003118841	0.325512614
76-O10	0.000109998	0.001459066	0.000355124	0.000119783	0.00018027	0.000097935	0.000311405	0.032501289
76-O11	0.005198304	0.068952881	0.016782548	0.005660729	0.008519256	0.004628244	0.014716461	1.535953223
76-O12	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-O13	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-O14	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-O15	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-O16	0.001149396	0.015246162	0.003710787	0.001251643	0.001883691	0.00102335	0.003253955	0.339614399
76-O17	0.000571053	0.007574729	0.001843625	0.000621852	0.000935872	0.00050843	0.001616658	0.168730147
76-O18	0.001020185	0.013532245	0.003293634	0.001110938	0.001671934	0.000908309	0.002888157	0.301436218
76-O19	0.001520018	0.020162276	0.004907327	0.001655234	0.002491086	0.001353329	0.00430319	0.449122816
76-O20	0.001170233	0.015522553	0.003778058	0.001274334	0.00191784	0.001041902	0.003312944	0.345771131
76-O21	0	0	0	0	0	0	0	0
76-O22	0.00065525	0.008691568	0.002115454	0.00071354	0.001073859	0.000583394	0.001855022	0.193608191
76-O23	0.000454323	0.006026365	0.001466766	0.000494738	0.000744568	0.000404501	0.001286194	0.134239705
76-O24	0	0	0	0	0	0	0	0
76-O4	0.000060834	0.000806938	0.000196402	0.000066246	0.000099699	0.000054163	0.000172223	0.017974876
76-O5	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-O6	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-O7	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-O8	0.000068109	0.000903427	0.000219886	0.000074167	0.00011162	0.00006064	0.000192816	0.020124195
76-O9	0.000001287	0.000017071	0.000004155	0.000001401	0.000002109	0.000001146	0.000003643	0.000380269
76-P10	0	0	0	0	0	0	0	0
76-P11	0.000561992	0.007454543	0.001814373	0.000611985	0.000921022	0.000500363	0.001591007	0.166052939
76-P12	0.001415264	0.018772762	0.004569131	0.001541161	0.002319409	0.001260062	0.004006629	0.418170833
76-P13	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-P14	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-P15	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-P16	0.000749399	0.009940408	0.002419411	0.000816064	0.001228156	0.000667218	0.002121559	0.221426585
76-P17	0.000553109	0.007336717	0.001785695	0.000602312	0.000906465	0.000492454	0.001565859	0.163428328

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-P18	0.001519002	0.020148802	0.004904048	0.001654128	0.002489422	0.001352425	0.004300314	0.448822675
76-P19	0.001520018	0.020162276	0.004907327	0.001655234	0.002491086	0.001353329	0.00430319	0.449122816
76-P2	0	0	0	0	0	0	0	0
76-P20	0.001198802	0.015901511	0.003870293	0.001305444	0.001964661	0.001067339	0.003393824	0.354212555
76-P21	0	0	0	0	0	0	0	0
76-P3	0.000030474	0.000404219	0.000098384	0.000033185	0.000049942	0.000027132	0.000086272	0.009004151
76-P4	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-P5	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-P6	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-P7	0.000056393	0.000748029	0.000182064	0.00006141	0.00009242	0.000050209	0.00015965	0.016662651
76-P8	0.000015365	0.000203805	0.000049605	0.000016732	0.000025181	0.00001368	0.000043498	0.004539849
76-P9	0	0	0	0	0	0	0	0
76-Q1	0	0	0	0	0	0	0	0
76-Q10	0	0	0	0	0	0	0	0
76-Q11	0	0	0	0	0	0	0	0
76-Q12	0.001227379	0.016280561	0.003962551	0.001336563	0.002011493	0.001092781	0.003474724	0.362656048
76-Q13	0.001422651	0.018870744	0.004592979	0.001549205	0.002331515	0.001266639	0.004027541	0.420353421
76-Q14	0.001269504	0.016839337	0.004098552	0.001382436	0.002080531	0.001130287	0.003593982	0.375103021
76-Q15	0.000534884	0.007094973	0.001726856	0.000582466	0.000876597	0.000476228	0.001514264	0.158043385
76-Q16	0.00007878	0.001044973	0.000254338	0.000085788	0.000129108	0.000070141	0.000223026	0.023277193
76-Q17	0.000771755	0.010236948	0.002491586	0.000840409	0.001264794	0.000687123	0.002184849	0.22803214
76-Q18	0.001520018	0.020162276	0.004907327	0.001655234	0.002491086	0.001353329	0.00430319	0.449122816
76-Q19	0.001520018	0.020162276	0.004907327	0.001655234	0.002491086	0.001353329	0.00430319	0.449122816
76-Q2	0.000004706	0.000062419	0.000015192	0.000005124	0.000007712	0.00000419	0.000013322	0.001390411
76-Q20	0.000993838	0.013182756	0.003208571	0.001082246	0.001628754	0.000884851	0.002813566	0.293651197
76-Q3	0.000067358	0.000893476	0.000217464	0.00007335	0.000110391	0.000059972	0.000190693	0.01990253
76-Q4	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-Q5	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-Q6	0.000052503	0.000696431	0.000169505	0.000057174	0.000086045	0.000046746	0.000148638	0.015513275
76-Q7	0.000007384	0.000097952	0.000023841	0.000008041	0.000012102	0.000006575	0.000020906	0.002181911
76-Q8	0	0	0	0	0	0	0	0
76-Q9	0	0	0	0	0	0	0	0
76-R1	0	0	0	0	0	0	0	0
76-R10	0	0	0	0	0	0	0	0
76-R11	0	0	0	0	0	0	0	0
76-R12	0.000372736	0.004944157	0.001203366	0.000405894	0.00061086	0.000331861	0.001055221	0.110133095

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-R13	0.000604054	0.008012472	0.001950168	0.000657789	0.000989956	0.000537812	0.001710084	0.17848105
76-R14	0.000160438	0.002128129	0.000517968	0.00017471	0.000262934	0.000142844	0.000454202	0.047404921
76-R15	0	0	0	0	0	0	0	0
76-R16	0.000202833	0.002690475	0.000654839	0.000220876	0.000332413	0.00018059	0.000574222	0.059931419
76-R17	0.001497679	0.019865963	0.004835207	0.001630908	0.002454476	0.00133344	0.004239949	0.442522329
76-R18	0.001520018	0.020162276	0.004907327	0.001655234	0.002491086	0.001353329	0.00430319	0.449122816
76-R19	0.001512512	0.020062715	0.004883095	0.001647061	0.002478785	0.001346646	0.004281941	0.446905053
76-R2	0.000040607	0.00053863	0.000131098	0.000044219	0.000066549	0.000036154	0.000114959	0.011998207
76-R3	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-R4	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-R5	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-R6	0.000021947	0.00029112	0.000070856	0.0000239	0.000035968	0.000019541	0.000062133	0.006484818
76-R7	0	0	0	0	0	0	0	0
76-R8	0	0	0	0	0	0	0	0
76-R9	0	0	0	0	0	0	0	0
76-S1	0.000010793	0.000143167	0.000034846	0.000011753	0.000017689	0.00000961	0.000030556	0.00318911
76-S10	0.000005018	0.000066563	0.000016201	0.000005465	0.000008224	0.000004468	0.000014206	0.001482725
76-S11	0	0	0	0	0	0	0	0
76-S12	0.000081108	0.001075854	0.000261854	0.000088323	0.000132924	0.000072213	0.000229617	0.023965083
76-S13	0.00010649	0.001412536	0.000343799	0.000115963	0.000174521	0.000094812	0.000301474	0.031464808
76-S14	0.000132886	0.001762661	0.000429017	0.000144707	0.00021778	0.000118313	0.000376201	0.039263993
76-S15	0.000093785	0.001244011	0.000302782	0.000102128	0.0001537	0.0000835	0.000265507	0.027710845
76-S2	0.000071445	0.000947679	0.000230657	0.0000778	0.000117087	0.00006361	0.000202261	0.021109924
76-S3	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-S4	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-S5	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-S6	0.000072273	0.000958669	0.000233332	0.000078702	0.000118445	0.000064348	0.000204607	0.02135473
76-S7	0.000050773	0.000673484	0.00016392	0.00005529	0.00008321	0.000045205	0.00014374	0.015002118
76-S8	0.000030334	0.00040236	0.000097931	0.000033032	0.000049712	0.000027007	0.000085875	0.008962739
76-S9	0.000018016	0.000238977	0.000058165	0.000019619	0.000029526	0.000016041	0.000051004	0.005323317
76-T1	0.000050793	0.000673749	0.000163985	0.000055312	0.000083243	0.000045223	0.000143797	0.01500803
76-T10	0.000071033	0.000942215	0.000229327	0.000077352	0.000116412	0.000063243	0.000201095	0.020988217
76-T11	0.000031628	0.000419533	0.000102111	0.000034442	0.000051834	0.00002816	0.00008954	0.009345271
76-T12	0.00009236	0.001225107	0.000298181	0.000100576	0.000151364	0.000082231	0.000261472	0.027289762
76-T13	0.000176682	0.002343604	0.000570413	0.0001924	0.000289557	0.000157307	0.00050019	0.052204719
76-T14	0.000156997	0.002082487	0.00050686	0.000170963	0.000257295	0.00013978	0.000444461	0.046388245

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
76-T15	0.000169074	0.00224268	0.000545849	0.000184114	0.000277087	0.000150533	0.00047865	0.049956607
76-T2	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-T3	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-T4	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-T5	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-T6	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-T7	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-T8	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-T9	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-U10	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-U11	0.000073034	0.000968753	0.000235786	0.00007953	0.000119691	0.000065024	0.000206759	0.021579363
76-U12	0.000048808	0.000647419	0.000157576	0.00005315	0.00007999	0.000043456	0.000138177	0.01442151
76-U13	0.000065488	0.000868667	0.000211426	0.000071314	0.000107325	0.000058307	0.000185398	0.019349913
76-U14	0.000154896	0.002054617	0.000500076	0.000168675	0.000253852	0.00013791	0.000438512	0.045767411
76-U15	0.000150959	0.002002398	0.000487367	0.000164388	0.0002474	0.000134405	0.000427367	0.044604223
76-U3	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-U4	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-U5	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-U6	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-U7	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-U8	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-U9	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-V3	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-V4	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-V5	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-V6	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-W4	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
76-W5	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
83-A21	0.000689535	0.000613796	0.001585115	0.00072384	0.001007131	0.000600501	0.001289944	0.011926406
83-A33	0	0	0	0	0	0	0	0
83-AA10	0.003046419	0.108776972	0.006720329	0.003265221	0.003808953	0.002658828	0.006290541	0.983967666
83-AA11	0.000993203	0.035463816	0.002190983	0.001064538	0.001241807	0.00086684	0.002050862	0.320796286
83-AA12	0.000762913	0.027240959	0.001682969	0.000817707	0.000953874	0.000665849	0.001575337	0.246414501
83-AA13	0.000762913	0.027240959	0.001682969	0.000817707	0.000953874	0.000665849	0.001575337	0.246414501
83-AA14	0.000444959	0.015887938	0.00098157	0.000476917	0.000556335	0.000388348	0.000918795	0.143718073
83-AA15	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-AA16	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-AA17	0.000095483	0.003409354	0.000210633	0.000102341	0.000119383	0.000083335	0.000197162	0.030840115
83-AA3	0.00982949	0.350976714	0.021683626	0.010535469	0.012289859	0.0085789	0.020296882	3.174842355
83-AA4	0.002647866	0.094546045	0.005841131	0.002838043	0.00331064	0.002310982	0.005467571	0.855238472
83-AA5	0.007996045	0.285510783	0.017639087	0.00857034	0.009997493	0.00697872	0.016511006	2.582654891
83-AA6	0.003376588	0.120566141	0.007448674	0.003619103	0.004221764	0.00294699	0.006972305	1.090609363
83-AA7	0	0	0	0	0	0	0	0
83-AA8	0.00231045	0.082498103	0.0050968	0.002476393	0.002888767	0.002016495	0.004770842	0.746255981
83-AA9	0.003121654	0.111463354	0.006886296	0.003345859	0.003903019	0.002724491	0.006445894	1.00826797
83-B10	0.002844124	0.002531722	0.006538118	0.00298562	0.004154109	0.002476883	0.005320627	0.049192793
83-B11	0.002663191	0.002370663	0.006122188	0.002795686	0.00388984	0.002319313	0.004982149	0.046063333
83-B12	0.001874485	0.001668589	0.004309097	0.001967741	0.002737861	0.001632446	0.003506681	0.03242164
83-B13	0	0	0	0	0	0	0	0
83-B14	0	0	0	0	0	0	0	0
83-B15	0	0	0	0	0	0	0	0
83-B16	0	0	0	0	0	0	0	0
83-B17	0	0	0	0	0	0	0	0
83-B18	0.000002115	0.000001883	0.000004862	0.00000222	0.000003089	0.000001842	0.000003957	0.000036585
83-B21	0.000104222	0.000092774	0.000239587	0.000109407	0.000152226	0.000090764	0.000194972	0.001802649
83-B22	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-B23	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-B24	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-B25	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-B26	0.000123751	0.000110158	0.00028448	0.000129907	0.00018075	0.000107772	0.000231506	0.00214043
83-B27	0.002204457	0.001962317	0.005067643	0.00231413	0.003219816	0.001919812	0.004123975	0.038128936
83-B28	0.003360094	0.002991017	0.007724239	0.003527259	0.004907732	0.002926229	0.006285875	0.058117161
83-B29	0.003896433	0.003468444	0.008957184	0.004090282	0.005691106	0.003393315	0.007289228	0.067393842
83-B31	0.003000414	0.002670845	0.0068974	0.003149685	0.004382385	0.002612992	0.005613005	0.05189603
83-B32	0	0	0	0	0	0	0	0
83-B33	0	0	0	0	0	0	0	0
83-B8	0.002088864	0.001859421	0.004801915	0.002192786	0.003050982	0.001819144	0.00390773	0.036129604
83-B9	0.003270095	0.002910904	0.007517349	0.003432783	0.004776281	0.002847852	0.00611751	0.056560521
83-BB10	0.003121654	0.111463354	0.006886296	0.003345859	0.003903019	0.002724491	0.006445894	1.00826797
83-BB11	0.003054643	0.109070612	0.006738471	0.003274035	0.003819235	0.002666005	0.006307522	0.986623858
83-BB12	0.000762913	0.027240959	0.001682969	0.000817707	0.000953874	0.000665849	0.001575337	0.246414501
83-BB13	0.000740613	0.026444696	0.001633775	0.000793806	0.000925992	0.000646386	0.001529289	0.239211716

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-BB14	0.000257787	0.00920468	0.000568673	0.000276302	0.000322313	0.000224989	0.000532304	0.083263097
83-BB15	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-BB16	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-BB3	0.026429412	0.943701852	0.058302665	0.028327638	0.033044822	0.023066839	0.054574006	8.536476906
83-BB4	0.01483247	0.529615632	0.032720083	0.015897775	0.01854511	0.012945358	0.030627519	4.790762676
83-BB5	0.008885959	0.317286509	0.019602217	0.009524171	0.011110158	0.007755412	0.018348587	2.870089691
83-BB6	0.003395691	0.12124825	0.007490815	0.003639578	0.004245649	0.002963663	0.007011751	1.09677954
83-BB7	0.000403235	0.014398097	0.000889526	0.000432196	0.000504166	0.000351932	0.000832638	0.130241372
83-BB8	0.0028912	0.103234648	0.00637792	0.003098853	0.003614882	0.002523357	0.00597003	0.933833271
83-BB9	0.003118163	0.111338706	0.006878595	0.003342118	0.003898655	0.002721444	0.006438685	1.007140434
83-C10	0.002662026	0.002369626	0.006119509	0.002794462	0.003888138	0.002318298	0.004979969	0.046043178
83-C11	0.002662026	0.002369626	0.006119509	0.002794462	0.003888138	0.002318298	0.004979969	0.046043178
83-C12	0.001005077	0.000894678	0.002310486	0.001055079	0.001468008	0.000875298	0.001880241	0.017384096
83-C13	0	0	0	0	0	0	0	0
83-C14	0	0	0	0	0	0	0	0
83-C15	0.000000748	0.000000666	0.00000172	0.000000786	0.000001093	0.000000652	0.0000014	0.000012943
83-C16	0.000012799	0.000011393	0.000029422	0.000013435	0.000018693	0.000011146	0.000023943	0.000221367
83-C17	0.000039623	0.000035271	0.000091087	0.000041595	0.000057874	0.000034507	0.000074125	0.000685336
83-C18	0.000093893	0.00008358	0.000215844	0.000098565	0.00013714	0.00008177	0.00017565	0.001624006
83-C19	0.000088331	0.000078628	0.000203056	0.000092725	0.000129015	0.000076925	0.000165244	0.001527794
83-C20	0.000099158	0.000088266	0.000227946	0.000104091	0.00014483	0.000086355	0.000185499	0.001715067
83-C21	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-C22	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-C23	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-C24	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-C25	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-C26	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-C27	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-C28	0.000142873	0.000127179	0.000328438	0.000149981	0.000208679	0.000124424	0.000267278	0.002471165
83-C29	0.001487008	0.001323673	0.003418359	0.001560987	0.002171915	0.001295002	0.002781811	0.025719727
83-C30	0.002819877	0.002510138	0.00648238	0.002960167	0.004118695	0.002455767	0.005275268	0.048773416
83-C31	0.001489871	0.001326221	0.003424939	0.001563992	0.002176095	0.001297494	0.002787166	0.025769233
83-C32	0	0	0	0	0	0	0	0
83-C33	0	0	0	0	0	0	0	0
83-C34	0.100873506	0.089793432	0.231889656	0.10589198	0.147335197	0.087848438	0.188708471	1.744737432
83-C35	0.301069911	0.268000009	0.692104403	0.316048189	0.439740783	0.262194924	0.563224622	5.207392525

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-C36	0.758552709	0.675232315	1.743773293	0.796290833	1.107937227	0.660606263	1.419057657	13.12014772
83-C8	0.003456253	0.003076614	0.007945291	0.003628202	0.005048181	0.003009972	0.006465764	0.059780359
83-C9	0.003163373	0.002815904	0.007272014	0.003320752	0.004620403	0.00275491	0.005917861	0.054714624
83-CC10	0.003121654	0.111463354	0.006886296	0.003345859	0.003903019	0.002724491	0.006445894	1.00826797
83-CC11	0.010396483	0.371222033	0.022934398	0.011143184	0.012998773	0.009073755	0.021467663	3.35797615
83-CC12	0.007484132	0.267232182	0.016509821	0.008021661	0.009357447	0.006531938	0.01545396	2.417311512
83-CC13	0.000213741	0.007631956	0.000471508	0.000229093	0.000267242	0.000186547	0.000441354	0.06903665
83-CC14	0.000116	0.00414195	0.000255893	0.000124331	0.000145035	0.000101241	0.000239528	0.037466979
83-CC15	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-CC16	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-CC3	0.057604627	2.056859764	0.127074463	0.061741935	0.072023346	0.050275681	0.118947608	18.60580843
83-CC4	0.114881799	4.10202725	0.253426568	0.123132897	0.143637274	0.100265569	0.237219054	37.10585162
83-CC5	0.195506892	6.980867336	0.431283641	0.209548685	0.244443221	0.170632859	0.403701547	63.14707626
83-CC6	0.02706615	0.966437566	0.059707296	0.029010109	0.03384094	0.023622566	0.055888806	8.742138154
83-CC7	0.006809575	0.243146096	0.015021763	0.007298655	0.008514044	0.005943203	0.014061069	2.199435159
83-CC8	0.001636943	0.058449527	0.003611059	0.001754513	0.002046678	0.001428678	0.003380119	0.528718934
83-CC9	0.003121654	0.111463354	0.006886296	0.003345859	0.003903019	0.002724491	0.006445894	1.00826797
83-D10	0.002662026	0.002369626	0.006119509	0.002794462	0.003888138	0.002318298	0.004979969	0.046043178
83-D11	0.001803701	0.00160558	0.004146378	0.001893436	0.002634474	0.001570802	0.003374263	0.031197339
83-D12	0.000049531	0.00004409	0.000113863	0.000051995	0.000072345	0.000043135	0.00009266	0.000856702
83-D13	0	0	0	0	0	0	0	0
83-D14	0.000005273	0.000004694	0.000012121	0.000005535	0.000007701	0.000004592	0.000009864	0.000091198
83-D15	0.000056214	0.000050039	0.000129225	0.000059011	0.000082106	0.000048955	0.000105162	0.000972292
83-D16	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D17	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D18	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D19	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D20	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D21	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D22	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D23	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D24	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D25	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D26	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D27	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-D28	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-D29	0.000087783	0.00007814	0.000201796	0.00009215	0.000128215	0.000076448	0.000164219	0.001518314
83-D30	0	0	0	0	0	0	0	0
83-D31	0	0	0	0	0	0	0	0
83-D32	0.007884432	0.007018396	0.018124859	0.008276683	0.01151595	0.006866372	0.01474975	0.136371416
83-D33	0.041149881	0.036629926	0.094596015	0.043197094	0.060103252	0.035836493	0.076980878	0.711740277
83-D34	0.184678558	0.16439323	0.424542069	0.193866347	0.269740319	0.160832347	0.345486238	3.194253916
83-D35	0.163340491	0.145398963	0.375489775	0.171466708	0.238574075	0.142249511	0.305568185	2.825184521
83-D36	0.08765509	1.675338108	0.197243633	0.093028585	0.118380797	0.076423731	0.172887599	15.54085649
83-D8	0.003184592	0.002834792	0.007320792	0.003343026	0.004651395	0.002773388	0.005957555	0.055081625
83-D9	0.001137274	0.001012354	0.002614383	0.001193853	0.001661095	0.000990426	0.002127548	0.019670616
83-DD10	0.003074983	0.109796903	0.006783342	0.003295836	0.003844667	0.002683758	0.006349523	0.993193693
83-DD11	0.006379981	0.227806797	0.014074088	0.006838207	0.007976921	0.005568266	0.013174001	2.060679928
83-DD12	0.004921049	0.17571343	0.010855718	0.005274491	0.006152811	0.004294951	0.010161457	1.589457133
83-DD13	0.000049466	0.001766247	0.00010912	0.000053018	0.000061847	0.000043172	0.000102142	0.015976998
83-DD14	0.000126726	0.00452495	0.000279555	0.000135828	0.000158446	0.000110603	0.000261677	0.040931499
83-DD15	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-DD4	0.301101039	10.75126502	0.664221866	0.322726868	0.376468098	0.262792429	0.621742559	97.25309476
83-DD5	0.263442709	9.406617732	0.581148467	0.282363821	0.329383703	0.229925308	0.543981995	85.08977161
83-DD6	0.040036353	1.42955812	0.088319259	0.042911864	0.050057647	0.03494259	0.082670934	12.93140397
83-DD7	0.003896142	0.139117621	0.008594799	0.004175973	0.004871366	0.003400442	0.008045132	1.258421142
83-DD8	0.001780663	0.063581242	0.003928101	0.001908554	0.002226371	0.001554112	0.003676885	0.57513907
83-DD9	0.003121654	0.111463354	0.006886296	0.003345859	0.003903019	0.002724491	0.006445894	1.00826797
83-E10	0.001233141	0.001097691	0.002834765	0.00129449	0.001801118	0.001073915	0.002306891	0.021328769
83-E11	0.00010042	0.00008939	0.000230847	0.000105416	0.000146672	0.000087453	0.00018786	0.00173689
83-E12	0	0	0	0	0	0	0	0
83-E13	0	0	0	0	0	0	0	0
83-E14	0.000061414	0.000054668	0.000141179	0.000064469	0.0000897	0.000053484	0.000114889	0.00106223
83-E15	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E16	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E17	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E18	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E19	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E20	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E21	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E22	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E23	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-E24	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E25	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E26	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E27	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E28	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-E29	0.000085975	0.000076531	0.00019764	0.000090252	0.000125574	0.000074873	0.000160837	0.001487044
83-E30	0.000044053	0.000039215	0.000101271	0.000046245	0.000064344	0.000038365	0.000082413	0.000761961
83-E31	0.020346191	0.018111339	0.046772154	0.021358417	0.029717516	0.017719034	0.038062507	0.351913617
83-E32	0.076712828	0.068286593	0.176348696	0.080529304	0.112046266	0.066807454	0.143510036	1.326847332
83-E33	0.079019263	0.070339687	0.181650766	0.082950484	0.115415029	0.068816075	0.147824784	1.366740097
83-E34	0.036646586	0.032621279	0.084243767	0.03846976	0.053525769	0.031914677	0.068556368	0.63384998
83-E35	0.015264869	0.013588156	0.035091128	0.016024299	0.022295769	0.013293826	0.028556656	0.264025598
83-E36	0.000244606	0.003244573	0.000789702	0.000266365	0.000400873	0.000217782	0.000692482	0.072274165
83-E8	0.003560507	0.003169416	0.008184951	0.003737643	0.005200453	0.003100764	0.006660795	0.061583558
83-E9	0.000468119	0.0004167	0.001076119	0.000491408	0.000683731	0.000407674	0.00087573	0.008096715
83-EE10	0.048572444	1.734352088	0.107149677	0.052061038	0.060730364	0.042392649	0.100297082	15.68848944
83-EE11	0.0001213	0.004331201	0.000267585	0.000130012	0.000151662	0.000105867	0.000250472	0.039178898
83-EE12	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-EE13	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-EE14	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-EE4	0.104240011	3.722046213	0.229951031	0.111726789	0.130331794	0.090977719	0.21524486	33.66864382
83-EE5	0.151410316	5.406332851	0.334007625	0.162284983	0.189309057	0.132146621	0.312646671	48.90425449
83-EE6	0.05854729	2.090518936	0.129153954	0.062752302	0.073201961	0.05109841	0.120894108	18.91028039
83-EE7	0.002976313	0.106273722	0.006565677	0.003190079	0.003721298	0.002597641	0.006145779	0.961323933
83-EE8	0.003098034	0.110619976	0.006834192	0.003320543	0.003873488	0.002703876	0.006397121	1.000638993
83-EE9	0.003121654	0.111463354	0.006886296	0.003345859	0.003903019	0.002724491	0.006445894	1.00826797
83-F10	0	0	0	0	0	0	0	0
83-F11	0	0	0	0	0	0	0	0
83-F12	0	0	0	0	0	0	0	0
83-F13	0	0	0	0	0	0	0	0
83-F14	0.000086902	0.000077356	0.000199771	0.000091225	0.000126928	0.000075681	0.000162571	0.001503076
83-F15	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F16	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F17	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F18	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F19	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-F20	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F21	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F22	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F23	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F24	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F25	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F26	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F27	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F28	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F29	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-F30	0.000085973	0.00007653	0.000197637	0.000090251	0.000125572	0.000074872	0.000160834	0.00148702
83-F31	0.055209388	0.049145119	0.126916239	0.057956065	0.080638479	0.048080598	0.103282612	0.954917598
83-F32	0.069774662	0.062110525	0.160399127	0.073245964	0.101912425	0.060765163	0.130530506	1.2068428
83-F33	0.013538297	0.012051233	0.031122057	0.01421183	0.01977395	0.011790194	0.025326683	0.234162314
83-F34	0.000487231	0.000433713	0.001120055	0.000511471	0.000711647	0.000424319	0.000911485	0.008427293
83-F35	0.000030784	0.000408336	0.000099385	0.000033523	0.000050451	0.000027408	0.00008715	0.009095842
83-F36	0.000274207	0.003637222	0.000885269	0.0002986	0.000449386	0.000244137	0.000776284	0.081020596
83-F8	0.002363824	0.002104178	0.005433997	0.002481424	0.003452586	0.0020586	0.004422108	0.040885383
83-F9	0.000098374	0.000087569	0.000226145	0.000103269	0.000143685	0.000085672	0.000184033	0.001701513
83-FF10	0.022798671	0.814060821	0.050293337	0.024436129	0.02850529	0.019898033	0.047076903	7.363778491
83-FF11	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-FF12	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-FF13	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-FF14	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-FF4	0.119092063	4.252361051	0.262714311	0.127645553	0.148901387	0.103940168	0.245912815	38.46573134
83-FF5	0.085438414	3.050706947	0.188475147	0.091574814	0.106824065	0.07456822	0.176421504	27.59588672
83-FF6	0.0561927	2.006444759	0.123959783	0.060228599	0.070258006	0.049043391	0.116032123	18.14976766
83-FF7	0.011328736	0.404509548	0.024990928	0.012142394	0.014164374	0.009887399	0.023392671	3.659086188
83-FF8	0.008234953	0.294041361	0.018166114	0.008826408	0.010296202	0.007187233	0.017004327	2.659820244
83-FF9	0.054382485	1.941808333	0.119966492	0.058288371	0.067994686	0.047463487	0.112294216	17.56508367
83-G10	0	0	0	0	0	0	0	0
83-G11	0	0	0	0	0	0	0	0
83-G12	0	0	0	0	0	0	0	0
83-G13	0	0	0	0	0	0	0	0
83-G14	0.000071342	0.000063505	0.000164001	0.000074891	0.000104201	0.00006213	0.000133462	0.001233945
83-G15	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-G16	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-G17	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-G18	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-G19	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-G20	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-G21	0.000095166	0.000084712	0.000218768	0.0000999	0.000138998	0.000082878	0.00017803	0.001646012
83-G22	0.000252936	0.000225153	0.000581453	0.000265519	0.000369436	0.000220276	0.000473178	0.004374852
83-G23	0.000097588	0.000086869	0.000224337	0.000102443	0.000142536	0.000084987	0.000182562	0.001687908
83-G24	0.000097997	0.000087232	0.000225276	0.000102872	0.000143133	0.000085343	0.000183326	0.001694976
83-G25	0.001067299	0.000950066	0.002453524	0.001120397	0.00155889	0.000929486	0.001996643	0.018460314
83-G26	0.000631891	0.000562483	0.001452601	0.000663327	0.000922936	0.000550299	0.001182106	0.010929365
83-G27	0.000100151	0.00008915	0.000230229	0.000105134	0.00014628	0.000087219	0.000187357	0.001732242
83-G28	0.000094416	0.000084045	0.000217044	0.000099113	0.000137903	0.000082224	0.000176628	0.001633041
83-G29	0.013618728	0.088448662	0.031103427	0.01434465	0.019430424	0.011864393	0.02590278	0.90571132
83-G30	0.02781847	0.419974117	0.0628957	0.029452994	0.038244426	0.024247975	0.054245119	3.951199447
83-G31	0.034137671	0.246287473	0.077900527	0.035972899	0.048557243	0.029741467	0.065066794	2.486101117
83-G32	0.029351034	0.057480481	0.06738903	0.030831131	0.04268056	0.025562853	0.055083104	0.78295387
83-G33	0	0	0	0	0	0	0	0
83-G34	0	0	0	0	0	0	0	0
83-G35	0.000145769	0.001933554	0.000470611	0.000158736	0.000238894	0.000129784	0.000412674	0.043070689
83-G36	0.000418421	0.005550149	0.001350859	0.000455643	0.000685731	0.000372536	0.001184556	0.123631805
83-G8	0.001065246	0.000948238	0.002448806	0.001118243	0.001555892	0.000927699	0.001992803	0.01842481
83-G9	0	0	0	0	0	0	0	0
83-GG10	0.000238921	0.008531048	0.000527055	0.000256081	0.000298725	0.000208524	0.000493348	0.077169601
83-GG11	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-GG12	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-GG4	0.044576462	1.591669553	0.098334635	0.047778055	0.055734169	0.038905069	0.092045793	14.39782105
83-GG5	0.002496117	0.089127598	0.005506375	0.002675394	0.003120907	0.00217854	0.005154223	0.806224634
83-GG6	0.005522939	0.197204846	0.012183475	0.005919611	0.006905358	0.004820264	0.011404299	1.783862784
83-GG7	0.011026404	0.393714311	0.024323989	0.011818348	0.013786366	0.009623532	0.022768385	3.561435336
83-GG8	0.001947009	0.069520892	0.004295057	0.002086848	0.002434355	0.001699294	0.004020373	0.628867566
83-GG9	0.039286797	1.402794117	0.086665757	0.042108473	0.049120474	0.0342884	0.08112318	12.68930389
83-H10	0	0	0	0	0	0	0	0
83-H11	0	0	0	0	0	0	0	0
83-H12	0	0	0	0	0	0	0	0
83-H13	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-H14	0.000008357	0.000007439	0.00001921	0.000008772	0.000012206	0.000007278	0.000015633	0.000144538
83-H15	0.000044211	0.000039355	0.000101634	0.000046411	0.000064575	0.000038503	0.000082708	0.00076469
83-H16	0.00009407	0.000083737	0.00021625	0.00009875	0.000137398	0.000081924	0.000175981	0.001627067
83-H17	0.000094125	0.000083786	0.000216375	0.000098807	0.000137478	0.000081971	0.000176083	0.001628005
83-H18	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-H19	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-H20	0.000092898	0.000082694	0.000213555	0.00009752	0.000135686	0.000080903	0.000173788	0.001606791
83-H21	0.000011614	0.000010338	0.000026698	0.000012191	0.000016963	0.000010114	0.000021726	0.000200873
83-H22	0.001769708	0.001575321	0.004068232	0.001857751	0.002584823	0.001541198	0.003310669	0.030609374
83-H23	0.00373354	0.003323443	0.008582721	0.003919284	0.005453184	0.003251455	0.006984495	0.064576383
83-H24	0.001360674	0.001211216	0.00312794	0.001428368	0.001987392	0.00118498	0.002545473	0.023534618
83-H25	0.000503605	0.000448288	0.001157695	0.000528659	0.000735562	0.000438578	0.000942116	0.008710498
83-H26	0.000795788	0.000708377	0.00182937	0.000835378	0.001162323	0.000693033	0.001488715	0.013764177
83-H27	0.002801939	0.002494171	0.006441144	0.002941336	0.004092495	0.002440145	0.00524171	0.048463154
83-H28	0.001721524	0.001532429	0.003957467	0.00180717	0.002514447	0.001499236	0.00322053	0.029775975
83-H29	0.00326709	0.002908229	0.007510439	0.003429628	0.004771891	0.002845234	0.006111888	0.056508535
83-H30	0	0	0	0	0	0	0	0
83-H31	0	0	0	0	0	0	0	0
83-H32	0	0	0	0	0	0	0	0
83-H33	0	0	0	0	0	0	0	0
83-H34	0.000011651	0.000154539	0.000037613	0.000012687	0.000019094	0.000010373	0.000032983	0.003442409
83-H35	0.000071767	0.00095196	0.000231699	0.000078152	0.000117616	0.000063897	0.000203175	0.021205286
83-H7	0.000147164	0.000130999	0.000338302	0.000154485	0.000214946	0.000128162	0.000275306	0.002545386
83-H8	0	0	0	0	0	0	0	0
83-H9	0	0	0	0	0	0	0	0
83-HH4	0.004300317	0.153549262	0.009486398	0.004609176	0.005376707	0.003753194	0.00887971	1.388965937
83-HH5	0.002380761	0.085008643	0.005251903	0.002551753	0.002976677	0.00207786	0.004916025	0.768965661
83-HH6	0.002915915	0.10411714	0.006432441	0.003125344	0.003645783	0.002544928	0.006021064	0.941816064
83-HH7	0.001621413	0.057894999	0.0035768	0.001737867	0.002027261	0.001415123	0.003348051	0.523702822
83-HH8	0.00096863	0.034586404	0.002136776	0.0010382	0.001211083	0.000845393	0.002000122	0.312859442
83-HH9	0.000920086	0.032853068	0.002029689	0.000986169	0.001150389	0.000803025	0.001899883	0.297180149
83-I10	0	0	0	0	0	0	0	0
83-I11	0	0	0	0	0	0	0	0
83-I12	0	0	0	0	0	0	0	0
83-I13	0	0	0	0	0	0	0	0
83-I14	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-I15	0.00108907	0.000969445	0.002503571	0.001143251	0.001590688	0.000948446	0.00203737	0.018836863
83-I16	0.000500437	0.000445468	0.001150413	0.000525334	0.000730935	0.000435819	0.000936189	0.008655703
83-I17	0.000068963	0.000061388	0.000158533	0.000072394	0.000100727	0.000060058	0.000129012	0.001192804
83-I18	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-I19	0.000100322	0.000089302	0.000230622	0.000105313	0.00014653	0.000087368	0.000187677	0.001735197
83-I20	0.000065575	0.000058372	0.000150746	0.000068838	0.000095779	0.000057108	0.000122675	0.001134211
83-I21	0	0	0	0	0	0	0	0
83-I22	0	0	0	0	0	0	0	0
83-I23	0	0	0	0	0	0	0	0
83-I24	0	0	0	0	0	0	0	0
83-I25	0	0	0	0	0	0	0	0
83-I26	0	0	0	0	0	0	0	0
83-I27	0	0	0	0	0	0	0	0
83-I28	0	0	0	0	0	0	0	0
83-I29	0	0	0	0	0	0	0	0
83-I30	0	0	0	0	0	0	0	0
83-I31	0	0	0	0	0	0	0	0
83-I32	0	0	0	0	0	0	0	0
83-I33	0	0	0	0	0	0	0	0
83-I34	0.000051893	0.000688339	0.000167536	0.00005651	0.000085046	0.000046203	0.000146911	0.01533302
83-I35	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
83-I7	0	0	0	0	0	0	0	0
83-I8	0	0	0	0	0	0	0	0
83-I9	0	0	0	0	0	0	0	0
83-II6	0.000098863	0.00353004	0.000218089	0.000105963	0.000123608	0.000086285	0.000204141	0.031931807
83-J10	0	0	0	0	0	0	0	0
83-J11	0	0	0	0	0	0	0	0
83-J12	0	0	0	0	0	0	0	0
83-J13	0.000196525	0.000174939	0.000451776	0.000206303	0.000287044	0.00017115	0.000367649	0.003399162
83-J14	0.000882757	0.000785794	0.002029297	0.000926675	0.00128935	0.000768773	0.001651413	0.015268425
83-J15	0.000530722	0.000472427	0.001220032	0.000557125	0.000775169	0.000462193	0.000992845	0.009179518
83-J16	0.000097808	0.000087064	0.000224842	0.000102674	0.000142857	0.000085178	0.000182973	0.001691708
83-J17	0.00000793	0.000007059	0.000018231	0.000008325	0.000011583	0.000006906	0.000014836	0.000137166
83-J18	0.000031205	0.000027777	0.000071733	0.000032757	0.000045577	0.000027175	0.000058376	0.000539723
83-J19	0.000038238	0.000034038	0.000087903	0.000040141	0.000055851	0.000033301	0.000071534	0.000661381
83-J20	0.000013228	0.000011775	0.000030408	0.000013886	0.00001932	0.00001152	0.000024746	0.00022879

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-J21	0	0	0	0	0	0	0	0
83-J22	0	0	0	0	0	0	0	0
83-J23	0	0	0	0	0	0	0	0
83-J24	0	0	0	0	0	0	0	0
83-J25	0	0	0	0	0	0	0	0
83-J26	0	0	0	0	0	0	0	0
83-J27	0	0	0	0	0	0	0	0
83-J28	0	0	0	0	0	0	0	0
83-J29	0	0	0	0	0	0	0	0
83-J30	0	0	0	0	0	0	0	0
83-J31	0	0	0	0	0	0	0	0
83-J32	0	0	0	0	0	0	0	0
83-J33	0.000020387	0.000270424	0.000065819	0.000022201	0.000033411	0.000018151	0.000057716	0.006023808
83-J34	0.000073074	0.000969287	0.000235916	0.000079574	0.000119757	0.00006506	0.000206873	0.021591262
83-J6	0.000001284	0.000001143	0.000002952	0.000001348	0.000001875	0.000001118	0.000002402	0.000022207
83-J7	0	0	0	0	0	0	0	0
83-J8	0	0	0	0	0	0	0	0
83-J9	0	0	0	0	0	0	0	0
83-K10	0	0	0	0	0	0	0	0
83-K11	0.000065895	0.000058657	0.000151481	0.000069173	0.000096246	0.000057387	0.000123273	0.001139741
83-K12	0.002985437	0.002657513	0.006862971	0.003133963	0.00436051	0.002599949	0.005584987	0.051636982
83-K13	0.002480339	0.002207896	0.005701844	0.002603736	0.003622767	0.002160071	0.004640079	0.042900666
83-K14	0.000005754	0.000205447	0.000012693	0.000006167	0.000007194	0.000005022	0.000011881	0.001858418
83-K15	0.000042625	0.001521988	0.00009403	0.000045686	0.000053294	0.000037202	0.000088016	0.013767498
83-K16	0.000035927	0.001282821	0.000079254	0.000038507	0.000044919	0.000031356	0.000074185	0.011604055
83-K17	0	0	0	0	0	0	0	0
83-K18	0	0	0	0	0	0	0	0
83-K19	0	0	0	0	0	0	0	0
83-K20	0	0	0	0	0	0	0	0
83-K21	0	0	0	0	0	0	0	0
83-K22	0	0	0	0	0	0	0	0
83-K23	0	0	0	0	0	0	0	0
83-K24	0	0	0	0	0	0	0	0
83-K25	0	0	0	0	0	0	0	0
83-K26	0	0	0	0	0	0	0	0
83-K27	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-K28	0	0	0	0	0	0	0	0
83-K29	0	0	0	0	0	0	0	0
83-K30	0	0	0	0	0	0	0	0
83-K31	0	0	0	0	0	0	0	0
83-K32	0.000001126	0.00001494	0.000003636	0.000001227	0.000001846	0.000001003	0.000003189	0.000332794
83-K5	0	0	0	0	0	0	0	0
83-K6	0	0	0	0	0	0	0	0
83-K7	0	0	0	0	0	0	0	0
83-K8	0	0	0	0	0	0	0	0
83-K9	0	0	0	0	0	0	0	0
83-L10	0.000031207	0.00002778	0.00007174	0.00003276	0.000045581	0.000027178	0.000058381	0.000539772
83-L11	0.01116918	0.009942344	0.025675894	0.011724849	0.016313634	0.009726985	0.020894674	0.193185391
83-L12	0.023477792	0.021114458	0.053970556	0.024645953	0.034290211	0.020446286	0.043922132	0.40797081
83-L13	0.002747792	0.003599703	0.006313592	0.002885226	0.004006439	0.002393052	0.005146848	0.057656628
83-L14	0.000050716	0.0018109	0.000111879	0.000054359	0.000063411	0.000044264	0.000104724	0.016380923
83-L15	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-L16	0.000055269	0.001973452	0.000121921	0.000059238	0.000069103	0.000048237	0.000114124	0.017851321
83-L17	0	0	0	0	0	0	0	0
83-L18	0	0	0	0	0	0	0	0
83-L19	0	0	0	0	0	0	0	0
83-L20	0	0	0	0	0	0	0	0
83-L21	0	0	0	0	0	0	0	0
83-L22	0	0	0	0	0	0	0	0
83-L23	0	0	0	0	0	0	0	0
83-L24	0	0	0	0	0	0	0	0
83-L25	0	0	0	0	0	0	0	0
83-L26	0	0	0	0	0	0	0	0
83-L27	0	0	0	0	0	0	0	0
83-L28	0	0	0	0	0	0	0	0
83-L29	0	0	0	0	0	0	0	0
83-L30	0	0	0	0	0	0	0	0
83-L5	0.004643852	0.004133766	0.010675363	0.004874885	0.006782781	0.004044225	0.008687457	0.080321416
83-L6	0	0	0	0	0	0	0	0
83-L7	0	0	0	0	0	0	0	0
83-L8	0	0	0	0	0	0	0	0
83-L9	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-M10	0	0	0	0	0	0	0	0
83-M11	0.00001094	0.000390617	0.000024133	0.000011725	0.000013678	0.000009548	0.000022589	0.003533416
83-M12	0.000050419	0.00180029	0.000111223	0.00005404	0.000063039	0.000044004	0.00010411	0.016284948
83-M13	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-M14	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-M15	0.000052755	0.001883706	0.000116377	0.000056544	0.00006596	0.000046043	0.000108934	0.017039507
83-M16	0.000011012	0.0003932	0.000024292	0.000011803	0.000013768	0.000009611	0.000022739	0.003556782
83-M17	0	0	0	0	0	0	0	0
83-M18	0	0	0	0	0	0	0	0
83-M19	0	0	0	0	0	0	0	0
83-M20	0	0	0	0	0	0	0	0
83-M21	0	0	0	0	0	0	0	0
83-M22	0	0	0	0	0	0	0	0
83-M23	0	0	0	0	0	0	0	0
83-M24	0	0	0	0	0	0	0	0
83-M25	0	0	0	0	0	0	0	0
83-M26	0	0	0	0	0	0	0	0
83-M27	0	0	0	0	0	0	0	0
83-M28	0	0	0	0	0	0	0	0
83-M29	0	0	0	0	0	0	0	0
83-M4	0.006786284	0.00604087	0.01560042	0.007123903	0.009912003	0.00591002	0.012695397	0.117377534
83-M5	0.009341363	0.008315296	0.021474078	0.009806098	0.013643935	0.00813518	0.017475296	0.161570929
83-M6	0.003398704	0.003025386	0.007812995	0.00356779	0.004964125	0.002959854	0.006358103	0.058784964
83-M7	0.000275456	0.0002452	0.000633224	0.00028916	0.00040233	0.000239889	0.000515308	0.004764375
83-M8	0	0	0	0	0	0	0	0
83-M9	0	0	0	0	0	0	0	0
83-N10	0.000025733	0.000918821	0.000056766	0.000027581	0.000032174	0.000022459	0.000053135	0.008311411
83-N11	0.000059612	0.002128539	0.000131503	0.000063894	0.000074533	0.000052028	0.000123093	0.019254196
83-N12	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-N13	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-N14	0.000050371	0.001798558	0.000111116	0.000053988	0.000062979	0.000043962	0.00010401	0.016269275
83-N15	0.000005669	0.000202416	0.000012505	0.000006076	0.000007088	0.000004948	0.000011706	0.001831
83-N16	0	0	0	0	0	0	0	0
83-N17	0	0	0	0	0	0	0	0
83-N18	0	0	0	0	0	0	0	0
83-N19	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-N20	0	0	0	0	0	0	0	0
83-N21	0	0	0	0	0	0	0	0
83-N22	0	0	0	0	0	0	0	0
83-N23	0	0	0	0	0	0	0	0
83-N24	0	0	0	0	0	0	0	0
83-N25	0	0	0	0	0	0	0	0
83-N26	0	0	0	0	0	0	0	0
83-N27	0	0	0	0	0	0	0	0
83-N28	0	0	0	0	0	0	0	0
83-N29	0	0	0	0	0	0	0	0
83-N3	0.010307584	0.009175386	0.023695242	0.010820388	0.015055191	0.00897664	0.019282847	0.178282964
83-N4	0.010725942	0.009547791	0.024656969	0.011259559	0.015666242	0.009340978	0.020065487	0.185518998
83-N5	0.010725942	0.009547791	0.024656969	0.011259559	0.015666242	0.009340978	0.020065487	0.185518998
83-N6	0.010725942	0.009547791	0.024656969	0.011259559	0.015666242	0.009340978	0.020065487	0.185518998
83-N7	0.006866778	0.006112522	0.015785461	0.007208401	0.010029572	0.00598012	0.012845981	0.118769783
83-N8	0	0	0	0	0	0	0	0
83-N9	0.000000003	0.000000122	0.000000008	0.000000004	0.000000004	0.000000003	0.000000007	0.000001099
83-O10	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-O11	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-O12	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-O13	0.000048599	0.001735298	0.000107208	0.000052089	0.000060763	0.000042416	0.000100352	0.015697048
83-O14	0.000001801	0.000064308	0.000003973	0.00000193	0.000002252	0.000001572	0.000003719	0.000581717
83-O15	0	0	0	0	0	0	0	0
83-O16	0	0	0	0	0	0	0	0
83-O17	0	0	0	0	0	0	0	0
83-O18	0	0	0	0	0	0	0	0
83-O19	0	0	0	0	0	0	0	0
83-O2	0.006385425	0.005684042	0.014678918	0.006703101	0.009326511	0.005560921	0.011945493	0.11044416
83-O20	0	0	0	0	0	0	0	0
83-O21	0	0	0	0	0	0	0	0
83-O22	0	0	0	0	0	0	0	0
83-O23	0	0	0	0	0	0	0	0
83-O24	0	0	0	0	0	0	0	0
83-O25	0	0	0	0	0	0	0	0
83-O26	0	0	0	0	0	0	0	0
83-O27	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-O28	0	0	0	0	0	0	0	0
83-O29	0	0	0	0	0	0	0	0
83-O3	0.010635782	0.009467534	0.024449709	0.011164914	0.015534556	0.00926246	0.019896822	0.183959576
83-O4	0.010725942	0.009547791	0.024656969	0.011259559	0.015666242	0.009340978	0.020065487	0.185518998
83-O5	0.011671739	0.049132781	0.026727872	0.012276971	0.016813661	0.010166759	0.022050881	0.542050681
83-O6	0.009279369	0.008260111	0.021331564	0.009741019	0.013553387	0.008081191	0.01735932	0.160498656
83-O7	0.042517825	1.513703985	0.093805218	0.045568734	0.053187175	0.037108106	0.087770053	13.69374904
83-O8	0.009114088	0.32543222	0.020105466	0.009768685	0.011395389	0.007954517	0.018819652	2.943773638
83-O9	0.000033518	0.001196824	0.000073941	0.000035926	0.000041908	0.000029254	0.000069212	0.010826151
83-P1	0	0	0	0	0	0	0	0
83-P10	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-P11	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-P12	0.000059062	0.002108885	0.000130289	0.000063304	0.000073845	0.000051547	0.000121956	0.019076412
83-P13	0.000013068	0.000466625	0.000028828	0.000014007	0.000016339	0.000011406	0.000026985	0.00422097
83-P14	0	0	0	0	0	0	0	0
83-P15	0	0	0	0	0	0	0	0
83-P16	0	0	0	0	0	0	0	0
83-P17	0	0	0	0	0	0	0	0
83-P18	0	0	0	0	0	0	0	0
83-P19	0	0	0	0	0	0	0	0
83-P2	0	0	0	0	0	0	0	0
83-P20	0	0	0	0	0	0	0	0
83-P21	0	0	0	0	0	0	0	0
83-P22	0	0	0	0	0	0	0	0
83-P23	0	0	0	0	0	0	0	0
83-P24	0	0	0	0	0	0	0	0
83-P25	0	0	0	0	0	0	0	0
83-P26	0	0	0	0	0	0	0	0
83-P27	0	0	0	0	0	0	0	0
83-P28	0	0	0	0	0	0	0	0
83-P29	0	0	0	0	0	0	0	0
83-P3	0.001722316	0.001533135	0.003959289	0.001808002	0.002515604	0.001499926	0.003222012	0.029789681
83-P4	0.006756029	0.006013939	0.015530869	0.007092142	0.009867813	0.005883671	0.012638798	0.116854236
83-P5	0.4987668	17.4491611	1.101228029	0.534361214	0.625785286	0.435289898	1.027894094	157.9360873
83-P6	0.356590823	12.7326111	0.78663103	0.382202066	0.445847245	0.311222337	0.736323233	115.1758264
83-P7	0.121410533	4.335145499	0.267828802	0.13013054	0.151800181	0.105963663	0.250700216	39.21457754

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-P8	0.004076127	0.145544223	0.00899184	0.004368884	0.005096401	0.003557527	0.00841678	1.316554475
83-P9	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-Q1	0	0	0	0	0	0	0	0
83-Q10	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-Q11	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-Q12	0.000032738	0.001168968	0.00007222	0.00003509	0.000040933	0.000028573	0.000067601	0.010574174
83-Q13	0	0	0	0	0	0	0	0
83-Q14	0	0	0	0	0	0	0	0
83-Q15	0	0	0	0	0	0	0	0
83-Q16	0	0	0	0	0	0	0	0
83-Q17	0	0	0	0	0	0	0	0
83-Q18	0	0	0	0	0	0	0	0
83-Q19	0	0	0	0	0	0	0	0
83-Q2	0	0	0	0	0	0	0	0
83-Q20	0	0	0	0	0	0	0	0
83-Q21	0	0	0	0	0	0	0	0
83-Q22	0	0	0	0	0	0	0	0
83-Q23	0	0	0	0	0	0	0	0
83-Q24	0	0	0	0	0	0	0	0
83-Q25	0	0	0	0	0	0	0	0
83-Q26	0	0	0	0	0	0	0	0
83-Q27	0	0	0	0	0	0	0	0
83-Q28	0	0	0	0	0	0	0	0
83-Q29	0.000019375	0.000256995	0.00006255	0.000021098	0.000031752	0.00001725	0.00005485	0.005724661
83-Q3	0	0	0	0	0	0	0	0
83-Q30	0.00007305	0.00096897	0.000235839	0.000079548	0.000119718	0.000065039	0.000206805	0.021584196
83-Q31	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
83-Q4	0	0	0	0	0	0	0	0
83-Q5	0.005016556	0.17912367	0.011066405	0.005376858	0.006272224	0.004378308	0.01035867	1.620305262
83-Q6	0.004004905	0.143001157	0.008834727	0.004292547	0.005007352	0.003495367	0.008269716	1.293550575
83-Q7	0.000265847	0.009492464	0.000586452	0.000284941	0.00033239	0.000232024	0.000548946	0.08586631
83-Q8	0.000061366	0.002191164	0.000135372	0.000065773	0.000076726	0.000053558	0.000126714	0.019820692
83-Q9	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-R10	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-R11	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-R12	0.000028422	0.001014841	0.000062698	0.000030463	0.000035536	0.000024806	0.000058688	0.009179985

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-R13	0	0	0	0	0	0	0	0
83-R14	0	0	0	0	0	0	0	0
83-R15	0	0	0	0	0	0	0	0
83-R16	0	0	0	0	0	0	0	0
83-R17	0	0	0	0	0	0	0	0
83-R18	0	0	0	0	0	0	0	0
83-R19	0	0	0	0	0	0	0	0
83-R2	0	0	0	0	0	0	0	0
83-R20	0	0	0	0	0	0	0	0
83-R21	0	0	0	0	0	0	0	0
83-R22	0	0	0	0	0	0	0	0
83-R23	0	0	0	0	0	0	0	0
83-R24	0	0	0	0	0	0	0	0
83-R25	0	0	0	0	0	0	0	0
83-R26	0	0	0	0	0	0	0	0
83-R27	0	0	0	0	0	0	0	0
83-R28	0.000000838	0.000011122	0.000002707	0.000000913	0.000001374	0.000000747	0.000002374	0.000247743
83-R29	0.000059951	0.000795223	0.00019355	0.000065284	0.000098251	0.000053377	0.000169723	0.017713902
83-R3	0	0	0	0	0	0	0	0
83-R30	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
83-R31	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
83-R4	0	0	0	0	0	0	0	0
83-R5	0	0	0	0	0	0	0	0
83-R6	0	0	0	0	0	0	0	0
83-R7	0.000001364	0.000048695	0.000003008	0.000001462	0.000001705	0.00000119	0.000002816	0.000440479
83-R8	0.000015137	0.000540506	0.000033393	0.000016225	0.000018926	0.000013212	0.000031257	0.00488927
83-R9	0.00005564	0.001986695	0.00012274	0.000059636	0.000069566	0.000048561	0.00011489	0.017971115
83-S10	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-S11	0.00006156	0.002198096	0.0001358	0.000065981	0.000076969	0.000053728	0.000127115	0.019883391
83-S12	0.000019871	0.000709534	0.000043836	0.000021298	0.000024845	0.000017343	0.000041032	0.006418255
83-S13	0	0	0	0	0	0	0	0
83-S14	0	0	0	0	0	0	0	0
83-S15	0	0	0	0	0	0	0	0
83-S16	0	0	0	0	0	0	0	0
83-S17	0	0	0	0	0	0	0	0
83-S18	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-S19	0	0	0	0	0	0	0	0
83-S2	0	0	0	0	0	0	0	0
83-S20	0	0	0	0	0	0	0	0
83-S21	0	0	0	0	0	0	0	0
83-S22	0	0	0	0	0	0	0	0
83-S23	0	0	0	0	0	0	0	0
83-S24	0	0	0	0	0	0	0	0
83-S25	0	0	0	0	0	0	0	0
83-S26	0	0	0	0	0	0	0	0
83-S27	0	0	0	0	0	0	0	0
83-S28	0.000028909	0.000383459	0.000093331	0.00003148	0.000047377	0.000025738	0.000081841	0.008541708
83-S29	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
83-S3	0	0	0	0	0	0	0	0
83-S30	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
83-S31	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
83-S4	0	0	0	0	0	0	0	0
83-S5	0	0	0	0	0	0	0	0
83-S6	0	0	0	0	0	0	0	0
83-S7	0	0	0	0	0	0	0	0
83-S8	0	0	0	0	0	0	0	0
83-S9	0.000023327	0.000832928	0.000051459	0.000025002	0.000029166	0.000020359	0.000048168	0.007534444
83-T1	0.013120337	0.011679183	0.030161244	0.013773076	2.468722934	0.011426203	0.024544787	0.226933158
83-T10	0.00003533	0.001261521	0.000077938	0.000037868	0.000044174	0.000030835	0.000072953	0.011411386
83-T11	0.000061334	0.002190018	0.000135301	0.000065739	0.000076686	0.00005353	0.000126648	0.019810324
83-T12	0.000006505	0.000232265	0.00001435	0.000006972	0.000008133	0.000005677	0.000013432	0.002101006
83-T13	0	0	0	0	0	0	0	0
83-T14	0	0	0	0	0	0	0	0
83-T15	0	0	0	0	0	0	0	0
83-T16	0	0	0	0	0	0	0	0
83-T17	0	0	0	0	0	0	0	0
83-T18	0	0	0	0	0	0	0	0
83-T19	0	0	0	0	0	0	0	0
83-T2	0	0	0	0	0	0	0	0
83-T20	0	0	0	0	0	0	0	0
83-T21	0	0	0	0	0	0	0	0
83-T22	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-T23	0	0	0	0	0	0	0	0
83-T24	0	0	0	0	0	0	0	0
83-T25	0	0	0	0	0	0	0	0
83-T29	0.000073076	0.000969313	0.000235922	0.000079576	0.00011976	0.000065062	0.000206878	0.02159183
83-T3	0	0	0	0	0	0	0	0
83-T4	0	0	0	0	0	0	0	0
83-T5	0	0	0	0	0	0	0	0
83-T6	0	0	0	0	0	0	0	0
83-T7	0	0	0	0	0	0	0	0
83-T8	0	0	0	0	0	0	0	0
83-T9	0.000001476	0.000052703	0.000003256	0.000001582	0.000001845	0.000001288	0.000003048	0.000476736
83-U1	0.008359545	0.007441322	0.019217058	0.008775434	1.572932213	0.007280137	0.015638566	0.144589119
83-U10	0.000006133	0.000218981	0.000013529	0.000006573	0.000007668	0.000005353	0.000012664	0.001980846
83-U11	0.000037879	0.001352513	0.000083559	0.000040599	0.00004736	0.000033059	0.000078215	0.012234478
83-U12	0	0	0	0	0	0	0	0
83-U13	0	0	0	0	0	0	0	0
83-U14	0	0	0	0	0	0	0	0
83-U15	0	0	0	0	0	0	0	0
83-U16	0	0	0	0	0	0	0	0
83-U17	0	0	0	0	0	0	0	0
83-U18	0	0	0	0	0	0	0	0
83-U19	0	0	0	0	0	0	0	0
83-U2	0	0	0	0	0	0	0	0
83-U20	0	0	0	0	0	0	0	0
83-U21	0	0	0	0	0	0	0	0
83-U22	0	0	0	0	0	0	0	0
83-U23	0	0	0	0	0	0	0	0
83-U24	0	0	0	0	0	0	0	0
83-U3	0	0	0	0	0	0	0	0
83-U4	0	0	0	0	0	0	0	0
83-U5	0	0	0	0	0	0	0	0
83-U6	0	0	0	0	0	0	0	0
83-U7	0	0	0	0	0	0	0	0
83-U8	0	0	0	0	0	0	0	0
83-U9	0	0	0	0	0	0	0	0
83-V1	0.001639696	0.00145959	0.003769361	0.001721272	0.308525321	0.001427974	0.003067452	0.028360666

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-V10	0.000033907	0.001210718	0.000074799	0.000036343	0.000042395	0.000029593	0.000070015	0.010951834
83-V11	0.008862335	0.316443	0.019550105	0.00949885	0.011080621	0.007734794	0.018299808	2.862459532
83-V12	0.011404174	0.40720317	0.025157342	0.01222325	0.014258694	0.009953239	0.023548442	3.683451978
83-V13	0.010552193	0.376781895	0.023277891	0.011310078	0.013193458	0.009209654	0.021789188	3.408269186
83-V14	0	0	0	0	0	0	0	0
83-V15	0	0	0	0	0	0	0	0
83-V16	0	0	0	0	0	0	0	0
83-V17	0	0	0	0	0	0	0	0
83-V18	0	0	0	0	0	0	0	0
83-V19	0	0	0	0	0	0	0	0
83-V2	0	0	0	0	0	0	0	0
83-V20	0	0	0	0	0	0	0	0
83-V21	0	0	0	0	0	0	0	0
83-V22	0	0	0	0	0	0	0	0
83-V23	0	0	0	0	0	0	0	0
83-V3	0	0	0	0	0	0	0	0
83-V4	0	0	0	0	0	0	0	0
83-V5	0	0	0	0	0	0	0	0
83-V6	0	0	0	0	0	0	0	0
83-V7	0	0	0	0	0	0	0	0
83-V8	0	0	0	0	0	0	0	0
83-V9	0	0	0	0	0	0	0	0
83-W10	0.002053696	0.073330299	0.004530405	0.002201197	0.002567746	0.001792407	0.00424067	0.663326451
83-W11	0.001654686	0.059083048	0.003650199	0.00177353	0.002068862	0.001444163	0.003416756	0.534449599
83-W12	0.003466356	0.123771447	0.0076467	0.003715318	0.004334002	0.003025337	0.007157667	1.119603716
83-W13	0.019339426	0.690543251	0.042662322	0.020728432	0.024180178	0.016878901	0.039933917	6.246471285
83-W14	0.00983187	0.351061686	0.021688875	0.010538019	0.012292835	0.008580977	0.020301796	3.175610996
83-W15	0	0	0	0	0	0	0	0
83-W16	0	0	0	0	0	0	0	0
83-W17	0	0	0	0	0	0	0	0
83-W18	0	0	0	0	0	0	0	0
83-W19	0	0	0	0	0	0	0	0
83-W2	0	0	0	0	0	0	0	0
83-W20	0	0	0	0	0	0	0	0
83-W21	0	0	0	0	0	0	0	0
83-W22	0	0	0	0	0	0	0	0

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-W23	0	0	0	0	0	0	0	0
83-W3	0	0	0	0	0	0	0	0
83-W4	0	0	0	0	0	0	0	0
83-W5	0	0	0	0	0	0	0	0
83-W6	0	0	0	0	0	0	0	0
83-W7	0	0	0	0	0	0	0	0
83-W8	0	0	0	0	0	0	0	0
83-W9	0.000190552	0.006803928	0.000420352	0.000204237	0.000238247	0.000166308	0.000393469	0.061546528
83-X10	0.003367601	0.120245255	0.007428849	0.003609471	0.004210528	0.002939146	0.006953748	1.087706715
83-X11	0.000800656	0.028588613	0.001766228	0.000858161	0.001001064	0.00069879	0.001653271	0.25860502
83-X12	0.000753483	0.026904244	0.001662166	0.0008076	0.000942084	0.000657619	0.001555865	0.243368659
83-X13	0.000762913	0.027240959	0.001682969	0.000817707	0.000953874	0.000665849	0.001575337	0.246414501
83-X14	0.002192845	0.078298833	0.004837365	0.002350341	0.002741725	0.001913853	0.004527999	0.708270497
83-X15	0	0	0	0	0	0	0	0
83-X16	0	0	0	0	0	0	0	0
83-X17	0.000010558	0.000376978	0.00002329	0.000011316	0.0000132	0.000009214	0.000021801	0.003410046
83-X18	0.000067991	0.002427722	0.000149987	0.000072874	0.00008501	0.000059341	0.000140394	0.021960531
83-X19	0.000043097	0.001538856	0.000095072	0.000046193	0.000053885	0.000037614	0.000088992	0.013920086
83-X20	0	0	0	0	0	0	0	0
83-X21	0	0	0	0	0	0	0	0
83-X22	0	0	0	0	0	0	0	0
83-X23	0	0	0	0	0	0	0	0
83-X4	0	0	0	0	0	0	0	0
83-X5	0	0	0	0	0	0	0	0
83-X6	0	0	0	0	0	0	0	0
83-X7	0.000164302	0.005866633	0.000362445	0.000176102	0.000205427	0.000143398	0.000339266	0.05306801
83-X8	0.001932136	0.068989816	0.004262247	0.002070907	0.002415759	0.001686313	0.003989661	0.624063592
83-X9	0.00352862	0.125994691	0.007784054	0.003782055	0.004411851	0.00307968	0.007286237	1.139714589
83-Y10	0.002404685	0.085862884	0.005304679	0.002577395	0.003006589	0.002098741	0.004965426	0.776692901
83-Y11	0.000375736	0.013416236	0.000828866	0.000402723	0.000469785	0.000327932	0.000775857	0.121359717
83-Y12	0.000762913	0.027240959	0.001682969	0.000817707	0.000953874	0.000665849	0.001575337	0.246414501
83-Y13	0.000762913	0.027240959	0.001682969	0.000817707	0.000953874	0.000665849	0.001575337	0.246414501
83-Y14	0.00073797	0.026350328	0.001627945	0.000790973	0.000922688	0.000644079	0.001523832	0.238358089
83-Y15	0.000333033	0.011891436	0.000734663	0.000356952	0.000416393	0.000290662	0.000687678	0.107566781
83-Y16	0.000092413	0.003299761	0.000203862	0.000099051	0.000115545	0.000080656	0.000190824	0.029848763
83-Y17	0.000131945	0.004711309	0.000291068	0.000141422	0.000164972	0.000115158	0.000272454	0.042617249

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
83-Y18	0.00013308	0.004751812	0.000293571	0.000142638	0.00016639	0.000116148	0.000274796	0.042983628
83-Y19	0.000064382	0.002298867	0.000142026	0.000069006	0.000080497	0.000056191	0.000132943	0.020794938
83-Y20	0	0	0	0	0	0	0	0
83-Y4	0	0	0	0	0	0	0	0
83-Y5	0	0	0	0	0	0	0	0
83-Y6	0.000034436	0.001229572	0.000075964	0.000036909	0.000043055	0.000030054	0.000071106	0.011122384
83-Y7	0.001399043	0.04995492	0.003086255	0.001499525	0.00174923	0.001221045	0.002888879	0.451878969
83-Y8	0.003522059	0.125760425	0.007769581	0.003775023	0.004403648	0.003073953	0.007272689	1.13759548
83-Y9	0.003204204	0.114410911	0.007068399	0.003434338	0.004006232	0.002796538	0.00661635	1.03493079
83-Z10	0.002568209	0.091701751	0.005665409	0.002752664	0.003211044	0.00224146	0.005303086	0.829509746
83-Z11	0.000156438	0.005585841	0.000345098	0.000167673	0.000195595	0.000136534	0.000323028	0.050528035
83-Z12	0.000762913	0.027240959	0.001682969	0.000817707	0.000953874	0.000665849	0.001575337	0.246414501
83-Z13	0.000762913	0.027240959	0.001682969	0.000817707	0.000953874	0.000665849	0.001575337	0.246414501
83-Z14	0.000721441	0.025760145	0.001591483	0.000773257	0.000902022	0.000629653	0.001489702	0.23301945
83-Z15	0.000354582	0.012660875	0.000782199	0.000380049	0.000443335	0.000309469	0.000732175	0.114526923
83-Z16	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-Z17	0.000137848	0.00492206	0.000304089	0.000147748	0.000172352	0.00012031	0.000284641	0.044523649
83-Z18	0.000105911	0.003781701	0.000233637	0.000113517	0.000132421	0.000092436	0.000218695	0.034208265
83-Z4	0	0	0	0	0	0	0	0
83-Z5	0.000648932	0.023171096	0.001431529	0.00069554	0.000811363	0.000566369	0.001339978	0.209599591
83-Z6	0.00024309	0.008679877	0.00053625	0.000260549	0.000303936	0.000212162	0.000501955	0.078515866
83-Z7	0.00003411	0.001217955	0.000075246	0.00003656	0.000042648	0.00002977	0.000070434	0.0110173
83-Z8	0.002480308	0.088563137	0.005471502	0.00265845	0.003101142	0.002164743	0.005121581	0.801118671
83-Z9	0.003121654	0.111463354	0.006886296	0.003345859	0.003903019	0.002724491	0.006445894	1.00826797
85-A6	0.012013071	0.01069354	0.027615842	0.012610723	0.017546214	0.01046191	0.022473376	0.207781559
85-B6	0.019824138	0.017646629	0.04557205	0.020810392	0.028955008	0.01726439	0.037085879	0.342884036
85-B7	0.026140619	0.0232693	0.06009248	0.027441119	0.038180821	0.022765269	0.048902397	0.452135729
85-B8	0.031627207	0.028153234	0.072705137	0.033200666	0.046194496	0.027543413	0.059166396	0.547033342
85-C10	0.023611546	0.021018023	0.054278605	0.024786224	0.034486873	0.020562757	0.04417115	0.408392148
85-C11	0.023464641	0.020887255	0.053940898	0.024632011	0.034272304	0.020434821	0.043896328	0.40585124
85-C12	0.019841293	0.0176619	0.045611487	0.020828401	0.028980066	0.01727933	0.037117973	0.343180762
85-C13	0.006041783	0.005378146	0.013888948	0.006342362	0.008824589	0.005261651	0.011302627	0.104500428
85-C5	0.014659747	0.013049502	0.033700066	0.015389072	0.021411933	0.01276684	0.027424629	0.253559245
85-C6	0.022981037	0.020456771	0.052829182	0.024124348	0.033565956	0.020013661	0.042991629	0.397486686
85-C7	0.027951198	0.024881003	0.064254669	0.029341775	0.040825341	0.024342061	0.052289526	0.483452035
85-C8	0.028264258	0.025159676	0.064974335	0.029670409	0.041282594	0.024614698	0.05287518	0.488866799

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
85-C9	0.028246524	0.02514389	0.064933568	0.029651793	0.041256692	0.024599254	0.052842005	0.488560074
85-D10	0.035277701	0.031402753	0.081096952	0.037032773	0.051526384	0.030722546	0.065995535	0.610173352
85-D11	0.050638291	0.045076116	0.116408125	0.053157554	0.073961963	0.044099733	0.09473126	0.875854564
85-D12	0.059134812	0.052639369	0.135940065	0.062076778	0.086371927	0.051499159	0.110626072	1.022812851
85-D13	0.001943147	0.001729709	0.004466938	0.002039819	0.002838148	0.001692243	0.00363513	0.033609239
85-D14	0.003463633	0.003083183	0.007962256	0.00363595	0.005058961	0.003016399	0.00647957	0.059908006
85-D15	0.003460678	0.003080553	0.007955464	0.003632848	0.005054645	0.003013826	0.006474042	0.059856897
85-D4	0.004384703	0.003903082	0.010079626	0.004602843	0.006404269	0.003818538	0.008202655	0.075839095
85-D5	0.02262118	0.020136441	0.052001937	0.023746588	0.033040351	0.01970027	0.042318429	0.391262499
85-D6	0.022981037	0.020456771	0.052829182	0.024124348	0.033565956	0.020013661	0.042991629	0.397486686
85-D7	0.036861515	0.0328126	0.08473785	0.038695382	0.053839693	0.032101853	0.068958445	0.637567461
85-D8	0.037530854	0.033408417	0.086276537	0.03939802	0.054817325	0.032684765	0.070210606	0.649144535
85-D9	0.03267262	0.029083818	0.075108351	0.034298089	0.04772142	0.02845384	0.061122097	0.56511512
85-E10	0.049086305	0.043694603	0.112840396	0.051528357	0.071695143	0.042748144	0.091827893	0.849010974
85-E11	0.069728869	0.062069762	0.160293858	0.073197893	0.10184554	0.060725283	0.13044484	1.206050758
85-E12	0.036411107	0.032411665	0.083702445	0.038222566	0.05318183	0.031709604	0.068115848	0.629777077
85-E13	0.00343445	0.003057206	0.007895171	0.003605315	0.005016336	0.002990985	0.006424976	0.059403252
85-E14	0.003463633	0.003083183	0.007962256	0.00363595	0.005058961	0.003016399	0.00647957	0.059908006
85-E15	0.003398393	0.003025109	0.00781228	0.003567463	0.00496367	0.002959583	0.006357521	0.058779583
85-E3	0	0	0	0	0	0	0	0
85-E4	0.010648132	0.009478528	0.024478099	0.011177879	0.015552594	0.009273216	0.019919926	0.184173184
85-E5	0.022981037	0.020456771	0.052829182	0.024124348	0.033565956	0.020013661	0.042991629	0.397486686
85-E6	0.022981037	0.020456771	0.052829182	0.024124348	0.033565956	0.020013661	0.042991629	0.397486686
85-E7	0.031645834	0.028169815	0.072747957	0.033220219	0.046221702	0.027559635	0.059201243	0.547355523
85-E8	0.042097344	0.037473318	0.096774059	0.044191694	0.061487111	0.036661618	0.078753339	0.728127877
85-E9	0.041332446	0.036792437	0.095015698	0.043388742	0.060369906	0.035995485	0.07732241	0.714897976
85-F10	0.126264397	0.112395354	0.290258648	0.132546072	0.18442097	0.109960786	0.236208319	2.183905642
85-F11	0.057418041	0.05111117	0.131993526	0.060274598	0.083864423	0.050004063	0.107414435	0.993119095
85-F12	0.005675393	0.005052001	0.013046687	0.005957745	0.008289443	0.004942571	0.010617206	0.098163251
85-F13	0.003463633	0.003083183	0.007962256	0.00363595	0.005058961	0.003016399	0.00647957	0.059908006
85-F14	0.003463633	0.003083183	0.007962256	0.00363595	0.005058961	0.003016399	0.00647957	0.059908006
85-F15	0.003352379	0.002984149	0.007706503	0.00351916	0.004896463	0.00291951	0.006271441	0.057983715
85-F3	0.018377408	0.01635881	0.042246283	0.019291687	0.026841924	0.016004465	0.034379418	0.317860974
85-F4	0.020421418	0.018178303	0.046945087	0.021437387	0.029827392	0.017784547	0.038203237	0.353214765
85-F5	0.022981037	0.020456771	0.052829182	0.024124348	0.033565956	0.020013661	0.042991629	0.397486686
85-F6	0.022981037	0.020456771	0.052829182	0.024124348	0.033565956	0.020013661	0.042991629	0.397486686

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
85-F7	0.026950132	0.023989895	0.061953401	0.028290906	0.03936319	0.023470256	0.050416788	0.466137301
85-F8	0.037806615	0.033653888	0.086910461	0.039687501	0.0552201	0.03292492	0.070726485	0.653914185
85-F9	0.02859269	0.025452033	0.065729341	0.030015181	0.0417623	0.024900722	0.053489593	0.494547465
85-G10	0.091892165	0.081798612	0.211243201	0.096463815	0.134217107	0.080026792	0.171906683	1.589393539
85-G11	0.068655795	0.061114555	0.157827056	0.072071432	0.100278214	0.059790767	0.128437391	1.187490542
85-G12	0.032803482	0.029200305	0.075409176	0.03443546	0.047912555	0.028567804	0.061366904	0.567378534
85-G13	0.023320827	0.020759237	0.053610295	0.024481042	0.03406225	0.020309576	0.043627288	0.403363785
85-G14	0.00522878	0.004654444	0.012020003	0.005488912	0.007637122	0.004553625	0.009781706	0.090438488
85-G15	0.00333643	0.002969952	0.00766984	0.003502418	0.004873169	0.002905621	0.006241606	0.057707865
85-G2	0.011763692	0.010471553	0.027042567	0.012348938	0.017181974	0.010244731	0.022006852	0.203468233
85-G3	0.02290153	0.020385997	0.05264641	0.024040885	0.033449828	0.019944421	0.042842892	0.396111511
85-G4	0.022981037	0.020456771	0.052829182	0.024124348	0.033565956	0.020013661	0.042991629	0.397486686
85-G5	0.022816772	0.020310549	0.052451567	0.02395191	0.033326031	0.019870607	0.042684331	0.394645511
85-G6	0.022981037	0.020456771	0.052829182	0.024124348	0.033565956	0.020013661	0.042991629	0.397486686
85-G7	0.170188485	0.151494766	0.391232055	0.178655391	0.248576211	0.148213273	0.318379027	2.943629416
85-G8	0.143235878	0.127502667	0.329272964	0.150361887	0.209209407	0.124740863	0.267957608	2.477449307
85-G9	0.106441942	0.094750223	0.244690465	0.111737446	0.155468419	0.092697861	0.199125586	1.841050706
85-H1	0	0	0	0	0	0	0	0
85-H10	0.033914258	0.030189072	0.077962647	0.035601498	0.049534948	0.029535154	0.063444882	0.586590841
85-H11	0.015641582	0.013923491	0.035957123	0.016419753	0.022845994	0.013621897	0.02926139	0.270541339
85-H12	0.011595262	0.010321624	0.026655378	0.012172129	0.016935966	0.01009805	0.021691764	0.200555023
85-H13	0.045935513	0.040889898	0.105597303	0.048220812	0.067093116	0.040004191	0.085933569	0.794513956
85-H14	0.022434039	0.019969855	0.051571732	0.023550136	0.032767013	0.019537293	0.041968335	0.388025638
85-H15	0.003076116	0.002738231	0.007071424	0.003229153	0.004492955	0.002678919	0.005754624	0.053205387
85-H2	0	0	0	0	0	0	0	0
85-H3	0.006750094	0.006008655	0.015517226	0.007085912	0.009859144	0.005878503	0.012627696	0.116751587
85-H4	0.079407926	0.070685658	0.18254423	0.083358483	0.115982708	0.069154553	0.148551872	1.373462521
85-H5	1.914686249	1.704374676	4.401511862	2.009942212	2.796578475	1.667456619	3.581887132	33.11696887
85-H6	1.570535591	1.398025964	3.610372733	1.64867	2.293914225	1.367743652	2.938069472	27.16443922
85-H7	1.069199542	0.951757304	2.457893279	1.122392398	1.561666004	0.931141512	2.000198246	18.49318547
85-H8	1.297650634	1.155115037	2.983060363	1.362208971	1.895340205	1.130094363	2.427571677	22.44454185
85-H9	0.212234783	0.188922644	0.487888768	0.222793499	0.309988765	0.184830435	0.397036871	3.670874383
85-I10	0.017236715	0.015343413	0.039624042	0.018094245	0.025175836	0.015011063	0.032245476	0.298131233
85-I11	0.011662162	0.010381175	0.026809168	0.012242357	0.01703368	0.010156311	0.021816916	0.201712143
85-I12	0.008648018	0.007698109	0.019880205	0.009078259	0.01263124	0.007531362	0.016178225	0.14957863
85-I13	0.008259451	0.007352222	0.018986961	0.00867036	0.012063701	0.007192968	0.015451316	0.142857863

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
85-I14	0.017851787	0.015890924	0.041037978	0.018739916	0.026074206	0.015546714	0.033396117	0.308769686
85-I15	0.003315658	0.002951462	0.007622089	0.003480613	0.004842829	0.002887531	0.006202746	0.057348586
85-I16	0.002813278	0.002504264	0.00646721	0.002953239	0.004109056	0.00245002	0.005262922	0.048659276
85-I2	0.007534629	0.006707015	0.017320727	0.007909478	0.01100503	0.006561736	0.014095358	0.130321121
85-I3	0.004977932	0.00443115	0.011443352	0.005225585	0.007270736	0.004335168	0.009312436	0.086099764
85-I4	1.060657881	0.944153871	2.438257571	1.113425788	1.549190109	0.923702775	1.984218989	18.34544643
85-I5	2.273316733	2.02361273	5.225937442	2.38641462	3.32039186	1.979779731	4.252792828	39.31994575
85-I6	1.673818863	1.48996447	3.847802	1.757091632	2.444769111	1.457690699	3.131285999	28.95085667
85-I7	0.883222183	0.786207935	2.030365506	0.927162635	1.290028664	0.769178069	1.652282285	15.27646712
85-I8	0.733261282	0.652718929	1.685632949	0.769741153	1.070996732	0.638580539	1.371743882	12.68269986
85-I9	0.141995176	0.126398245	0.326420818	0.14905946	0.207397245	0.123660363	0.265636573	2.455989765
85-J1	0	0	0	0	0	0	0	0
85-J10	0.019329051	0.017205923	0.044433936	0.020290674	0.028231888	0.01683323	0.036159699	0.33432087
85-J11	0.01271752	0.011320612	0.029235242	0.013350219	0.018575129	0.011075399	0.02379122	0.219965921
85-J12	0.006787467	0.006041923	0.015603141	0.007125145	0.009913732	0.005911051	0.012697612	0.117398007
85-J13	0.001390136	0.001237442	0.003195667	0.001459295	0.002030424	0.001210638	0.002600588	0.024044195
85-J14	0.000942564	0.000839031	0.002166781	0.000989456	0.001376702	0.000820857	0.001763295	0.016302855
85-J15	0.003463633	0.003083183	0.007962256	0.00363595	0.005058961	0.003016399	0.00647957	0.059908006
85-J16	0.003462925	0.003082553	0.007960627	0.003635206	0.005057926	0.003015782	0.006478244	0.05989575
85-J17	0.002958299	0.002633356	0.006800586	0.003105475	0.004320873	0.002576315	0.005534219	0.051167601
85-J2	0.02967395	0.026414525	0.068214958	0.031150234	0.043341581	0.025842367	0.055512353	0.513249243
85-J3	0.119849101	0.106684724	0.275511061	0.125811614	0.17505083	0.104373851	0.224206944	2.072944827
85-J4	1.355539319	1.206645157	3.116135812	1.422977627	1.979892049	1.180508299	2.535866565	23.44580134
85-J5	3.41450232	3.03944904	7.849313413	3.584374381	4.987200222	2.97361225	6.387658512	59.05822275
85-J6	1.767984622	1.573786943	4.064271777	1.855942154	2.582307016	1.539697512	3.307445995	30.57957496
85-J7	2.121531134	1.888499455	4.877010243	2.227077663	3.098694786	1.847593113	3.968840885	36.694618
85-J8	1.002381425	0.892278574	2.304290707	1.05225007	1.46407189	0.872951138	1.87519868	17.33747994
85-J9	0.206366211	0.183698683	0.474397999	0.216632965	0.301417166	0.17971963	0.386058277	3.569369855
85-K1	0	0	0	0	0	0	0	0
85-K10	0.005935356	0.005283409	0.013644292	0.00623064	0.008669142	0.005168966	0.011103529	0.102659631
85-K11	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-K12	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-K13	0.003165079	0.002817423	0.007275935	0.003322542	0.004622894	0.002756395	0.005921052	0.054744127
85-K2	0.026667641	0.023738433	0.061304006	0.02799436	0.038950585	0.02322424	0.049888319	0.461251252
85-K3	0.140871838	0.125398297	0.323838471	0.147880236	0.205756505	0.122682073	0.263535096	2.436560185
85-K4	0.903856641	0.804575877	2.07780033	0.948823659	1.32016722	0.787148148	1.690884064	15.63336667

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
85-K5	4.078798088	3.630777715	9.376407313	4.281718973	5.957466362	3.552132292	7.630385593	70.54807504
85-K6	0.306335745	0.272687438	0.704209589	0.321576	0.447432028	0.266780819	0.573075649	5.298471927
85-K7	0.831582409	0.74024034	1.911655155	0.872953773	1.214603943	0.724206167	1.555677506	14.38329061
85-K8	2.677519731	2.383417553	6.155125856	2.810726783	3.910768167	2.331790908	5.008953015	46.31115802
85-K9	0.5519723	0.491342961	1.268882892	0.579433015	0.806207208	0.480700097	1.032598673	9.547073048
85-L10	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-L11	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-L12	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-L13	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-L2	0.053207499	0.04736312	0.122314264	0.055854581	0.077714533	0.046337198	0.099537591	0.920292344
85-L3	0.067235418	0.059850194	0.154561872	0.070580392	0.098203621	0.058553793	0.125780232	1.162923303
85-L4	0.065610912	0.058404126	0.15082743	0.068875065	0.095830877	0.057139048	0.122741196	1.134825363
85-L5	0.051577968	0.045912578	0.118568271	0.05414398	0.07533445	0.044918077	0.096489155	0.892107494
85-L6	0.00000558	0.000004967	0.000012828	0.000005858	0.00000815	0.00000486	0.000010439	0.000096517
85-L7	0.201648003	0.17949873	0.463551704	0.211680024	0.294525782	0.175610649	0.377231719	3.487762354
85-L8	1.971329971	1.754796576	4.531725366	2.069403967	2.879311928	1.716786341	3.687853011	34.09669508
85-L9	0.551885498	0.491265693	1.26868335	0.579341894	0.806080424	0.480624502	1.032436288	9.54557169
85-M10	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-M11	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-M12	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-M13	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-M3	0.160417943	0.142797432	0.368771374	0.168398762	0.23430542	0.13970433	0.300100847	2.774635282
85-M4	0.173125367	0.154109056	0.397983406	0.181738383	0.252865802	0.150770936	0.32387318	2.994426572
85-M5	0.062579144	0.055705371	0.143857953	0.065692467	0.091402697	0.05449875	0.117069536	1.082387029
85-M6	0.346890313	0.30878744	0.797437088	0.364148164	0.506665769	0.302098867	0.648942848	5.999915491
85-M7	0.578208246	0.514697117	1.329194511	0.606974204	0.844527261	0.503548384	1.081679401	10.00085757
85-M8	1.094082324	0.973906929	2.515094222	1.148513102	1.598009635	0.95281136	2.046747554	18.92356528
85-M9	0.307462001	0.273689983	0.706798643	0.322758287	0.449077029	0.267761649	0.575182584	5.317951965
85-N10	0.0037087	0.003301332	0.008525621	0.003893209	0.005416904	0.003229823	0.006938028	0.064146758
85-N11	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-N12	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-N13	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-N3	0.083071575	0.073946887	0.190966286	0.0872044	0.12133381	0.072345141	0.155405621	1.43683006
85-N4	0.96019778	0.854728433	2.207318255	1.007967779	1.402458726	0.836214361	1.796283891	16.60785935
85-N5	0.026913211	0.02395703	0.061868528	0.028252148	0.039309264	0.023438102	0.050347719	0.465498713
85-N6	0.211594819	0.188352975	0.486417608	0.222121697	0.309054038	0.184273105	0.395839663	3.659805378

Grid_id	1996 so2 misc.	1994 pm10 misc.	1994 no2 misc.	1994 so2 misc.	1982 so2 misc.	1998 so2 misc.	1998 no2 misc.	1998 pm10 misc.
85-N7	0.246081299	0.219051416	0.56569569	0.258323886	0.35942477	0.214306596	0.460355027	4.256293548
85-N8	0.478586709	0.426018135	1.100182901	0.502396477	0.699020681	0.416790257	0.895313043	8.277774551
85-N9	0.163819914	0.145825726	0.37659188	0.171969983	0.239274317	0.14266703	0.306465063	2.833476758
85-O10	0.003712507	0.00330472	0.008534371	0.003897205	0.005422464	0.003233138	0.006945148	0.064212593
85-O11	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-O12	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-O13	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-O3	1.325155398	1.179598642	3.046288759	1.3910821	1.935513487	1.154047635	2.479026037	22.92027221
85-O4	2.419281013	2.153544106	5.5614825	2.539640648	3.533586353	2.106896696	4.525854576	41.84458627
85-O5	0.382216652	0.340233489	0.87864585	0.401231995	0.558263195	0.332863771	0.715029373	6.610930108
85-O6	0	0	0	0	0	0	0	0
85-O7	0.009529926	0.008483146	0.021907548	0.010004041	0.013919348	0.008299395	0.017828048	0.164832357
85-O8	0.005017822	0.004466658	0.01153505	0.005267459	0.007328999	0.004369907	0.009387058	0.086789702
85-O9	0.003568629	0.003176646	0.008203622	0.003746169	0.005212317	0.003107838	0.00667599	0.06172404
85-P10	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-P11	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-P12	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-P13	0.003139814	0.002794933	0.007217856	0.003296021	0.004585993	0.002734393	0.005873788	0.054307138
85-P3	1.980349382	1.762825285	4.552459336	2.078872094	2.892485625	1.724641142	3.704726017	34.25269744
85-P4	1.695553081	1.509311374	3.897764977	1.779907133	2.476513974	1.476618538	3.17194515	29.32677802
85-P5	3.347719451	2.980001684	7.695791864	3.51426905	4.889657587	2.915452569	6.262724879	57.90312683
85-P6	3.299329623	2.936927058	7.584552542	3.463471822	4.818979716	2.873310972	6.172199919	57.06616234
85-P7	0.762479929	0.678728164	1.75280125	0.800413433	1.113673301	0.664026392	1.426404481	13.18807406
85-P8	0.000793169	0.000706046	0.001823349	0.000832629	0.001158497	0.000690753	0.001483815	0.013718877
85-P9	0.003609575	0.003213095	0.00829775	0.003789152	0.005272122	0.003143497	0.00675259	0.06243226
85-Q10	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-Q11	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-Q12	0.002324529	0.002069199	0.005343664	0.002440174	0.003395191	0.002024379	0.004348597	0.04020572
85-Q3	0.062835679	0.055933728	0.144447679	0.065961764	0.09177739	0.05472216	0.117549446	1.086824128
85-Q4	0.608091465	0.541297925	1.39789054	0.638344117	0.888174499	0.529572997	1.137583242	10.51772639
85-Q5	3.389407216	3.017110415	7.791624381	3.558030793	4.950546472	2.951757496	6.340712004	58.62417055
85-Q6	4.811392401	4.282902938	11.06050703	5.050759979	7.027488926	4.190131984	9.000881752	83.21923886
85-R11	0.003811845	0.003393147	0.008762731	0.004001485	0.005567556	0.003319649	0.007130985	0.065930775
85-R12	0.000380293	0.000338521	0.000874223	0.000399212	0.000555453	0.000331188	0.00071143	0.006577654
85-S11	0.000975176	0.000868062	0.002241751	0.001023691	0.001424336	0.000849259	0.001824305	0.01686693

APPENDIX H
POST PROCESSING ROUTINE

```
C-----------------------------------------------------------------------
C PURPOSE: Combine two binary output files from AERMOD or ISC, representing
current
C impacts and baseline impacts into a single increment impact output file.
This is
C accomplished by reading the following input files:
C
C    1) A receptor file that represents the receptor set exactly as used in
the
C       AERMOD or ISC modeling for both current and baseline impacts,
C    2) A current impact file that is a binary output file from AERMOD or ISC
for
C       a single averaging period of 1-hour to 24-hours or 1-year representing
the
C       current impacts at receptors in the exact same order as those in the
C       receptor and baseline impact file,
C    3) A baseline impact file that is a binary output file from AERMOD or ISC
for
C       a single averaging period of 1-hour to 24-hours or 1-year representing
the
C       current impacts at receptors in the exact same order as those in the
C       receptor and current impact file.
C
C The program first reads all of the x and y coordinates from the receptor
file to
C be used during output of results.  This is done because the binary files
from the
C AERMOD and ISC files does not retain receptor location information from the
modeling
C that produced those files.
C
C After the receptor information is gathered, the program chronologically
reads the
C predicted current and baseline impacts from the two binary files for every
receptor,
C one averaging period at a time.  The program performs two read functions for
a
C single averaging period in gathering the impact results for every receptor,
reading
C from both the current and baseline files.  The baseline result is subtracted
from
C the current result to determine the net increment impact, which is repeated
for each
C receptor for the period being processed.
C
C The program keeps track of the highest increment impact and the second
highest
C increment impact at each receptor as the program works chronologically
through each
C of the current and baseline files in parallel.  The high and second high
value for
C each receptor are stored in a two dimensional variable with the first
dimension
C representing what receptor (in sequence) it represents and the second
dimension
C representing whether it is the high or the second high.
C
C For each receptor and period of the year, the newly calculated increment
impact
C is compared to the stored highest impact for that receptor.  If the new
increment
C impact is higher than the stored high, then the information for the new
increment
C impact replaces that for the existing high which is in turn used to replace
that
C of the existing second high.
C
```

```
C If the new increment impact is not higher than the stored high for that
receptor,
C then it is compared to the second high for that receptor.  If the increment
impact
C is higher than the stored second high for the given receptor, then the data
for
C the new increment impact replaces that for the stored second high
concentration.
C
C These calculations and comparisons are repeated until every averaging period
of
C the binary files is processed.  In the end, a high value and a second high
value
C is stored for every receptor.  An output file is generated showing the
second high
C concentration, receptor location and elevation, averaging period, source
group,
C rank and date for each receptor.  The receptor location and elevation are
obtained
C from the receptor set file processed at the beginning of the program.  It is
C imperitive that the oder of receptors in the receptor set file be identical
to that
C used to generate the binary files, both of which must also be the same.  It
is best
C to use the same receptor file for current impact and baseline impact
modeling as
C well as for post-processing in this program.
C
C ARGUMENTS:
C   PASSED:
C     File unit 5, current.dat = binary data for current impacts
C     File unit 6, baseline.dat = binary data for baseline impacts
C     conc(i,1) = initialized (-9999) variable for high impact at receptor i
C     conc(i,2) = initialized (-9999) variable for second high impact at
receptor i
C     idateh(i) = initialized (-9999) variable for date of high impact at
receptor i
C     idate2h(i) = initialized (-9999) variable for date of second high impact
at
C                  receptor i
C     ir = number of receptors in the receptor file
C
C   RETURNED:
C     ir = number of receptors in the receptor file
C     x(i) = x coordinate of receptor i
C     y(i) = y coordinate of receptor i
C     e(i) = elevation of receptor i
C     srcid = source group identifier
C     conc(i,1) = high impact at receptor i
C     conc(i,2) = second high impact at receptor i
C     idateh(i) = date of high impact at receptor i
C     idate2h(i) = date of second high impact at receptor i
C     istep = averaging period
C
C LIMITATIONS: NONE
C
C I/O:
C   INPUT:
C     File units 1 through 30 binary data impacts
C     File unit 33, receptor.dat = receptor set from the dispersion modeling
C
C   OUTPUT:
C     File unit 31, incremnt.dat = ascii file of increment consumption at each
receptor
C
C EXTERNALS: NONE
C
```

```
C (ORIGINALLY WRITTEN BY:   Robert J. Hammer)
C------------------------------------------------------------------------
C***  OPEN THE INPUT CONC FILE FOR THE CURRENT PROCESSING YEAR
C

       integer idateh(5000),idate2h(5000)
       real conc(5000,2),x(5000),y(5000),e(5000),factor(30)
       character*8 srcid
       character*12 filenm(30),infile

       open(32,file='getincss.inp',status='old')
       read(32,*)inumfil
       if(inumfil.gt.30) go to 1051
       open(31,file='incremnt.dat',status='new')
       do 10 i101 = 1,inumfil
         read(32,*) filenm(i101),factor(i101)
         print*,filenm(i101),factor(i101)
         infile=filenm(i101)
         open(i101,file=infile,form='unformatted',status='old',
     &        err=1050)
         rewind(i101)
10     continue

       read(32,*)inumdays

       infile='receptor.dat'
       open(33,file=infile,status='old',err=1050)

       call getrec(ir,x,y,e)

C       write(*,*) 'Enter number of receptors: '
C       read(*,*) ir

       do 100 i=1,5000
          conc(i,1) = -9999.
          conc(i,2) = -9999.
          idateh(i) = -9999
          idate2h(i) = -9999
  100  continue

       do 210 m=1,inumdays

C         print*,' Entering do 210 m=1,365'

          call getconc(srcid,conc,idateh,idate2h,istep,ir,
     +                 inumfil,factor)

          if (istep.gt.24) go to 230

          if (istep.le.24) then

C            print*,'Entering if (istep.le.24) then'

C            print*,' ISTEP = ',istep

             i1 = istep + 1

             do 220 n=i1,24,istep

C               print*,'Entering do 220 n=i1,24,istep'

                call getconc(srcid,conc,idateh,idate2h,istep,ir,
     +                       inumfil,factor)


220          continue
```

```
          end if

210    continue

230   continue

C       print*,' ir = ',ir

       do 310 iline=1,6

          write(31,1030)

310    continue


       if(istep.le.24) then

          write(31,1040)
          write(31,1045)

       else

          write(31,1060)
          write(31,1065)

       endif


       do 400 k=1,ir

          if(istep.le.24) then

             write(31,1010) x(k),y(k),conc(k,2),e(k),istep,srcid,
     +                      idate2h(k)

          else

             write(31,1020) x(k),y(k),conc(k,1),e(k),srcid,istep

          endif

  400  continue

1010  format(3(1X,F13.5),1X,F8.2,I5,'-HR',2X,A8,'  2ND       ',I8)
1020  format(3(1X,F13.5),1X,F8.2,'     0.00  PERIOD  ',A8,I10)
1030  format('*',71X,' ')
1040  format('*        X             Y          CONC       ZELEV    ',
     +       ' AVE     GRP       HIVAL     DATE')
1045  format('*  _____________   _____________   _____________   ______   ',
     +       '_____  ________  ________  ________')
1060  format('*        X             Y          CONC       ZELEV    ',
     +       'ZFLAG    AVE     GRP      NUM HRS')
1065  format('*  _____________   _____________   _____________   ______   ',
     +       '______  ______  ________  ________')

      goto 999

C***  PROCESS ERROR MESSAGES
C
1050  write(*,*)    'ERROR OPENING INPUT CONC FILE :',infile
      STOP

1051  write(*,*) 'Error: Number of input conc files exceeds 30'
      stop

999   stop
      end
```

```
C
C#########################################################################
      SUBROUTINE GETCONC(s,c,ih,i2h,is,ircps,inf,fac)
C-------------------------------------------------------------------------
C PURPOSE: Read binary concentration records to get the current and baseline
impacts
C for each receptor for the averaging period being processed.  For each
receptor,
C subtract the baseline impact from the current to get the increment impact at
each
C receptor for the current averaging period.  For each receptor, determine if
the
C new increment impact is now higher than the recorded high increment impact
and if
C so then:
C
C 1) Make the second high concentration what was the high concentration
C 2) Make the high concentration the new calculated increment impact.
C
C For each receptor, if the new calculated increment impact is less than the
C present high concentration and more than the second high concentration then:
C
C 1) Make the second high concentration the new calculated increment impact.
C
C For each receptor, if the new calculated increment impact is less than the
C present second high concentration then no changes are made to the present
high
C or second high concentrations.
C
C ARGUMENTS:
C   PASSED:
C     ircps = number of receptors in the receptor file
C
C
C
C
C   RETURNED:
C     s = source group identifier
C     c(i,1) = high impact at receptor i
C     c(i,2) = second high impact at receptor i
C     ih(i) = date of high impact at receptor i
C     i2h(i) = date of second high impact at receptor i
C     is = averaging period
C     conca(i) = current impact at receptor i
C     concb(i) = baseline impact at recptor i
C     idate = time and date of present averaging period
C     conctst(i) = calculated increment impact at receptor i
C
C LIMITATIONS: NONE
C
C I/O:
C   INPUT:
C     File units 1 through 30, binary data impacts
C
C   OUTPUT: NONE
C
C EXTERNALS: NONE
C
C (ORIGINALLY WRITTEN BY:   Robert J. Hammer)
C-------------------------------------------------------------------------
C

       integer ubin,ih(5000),i2h(5000)
       real conca(30,5000),c(5000,2),conctst(5000),fac(30)
       real conctst1(5000)
       character*8 s
```

```
C      print*,' Entering GETCONC'

       do 1010 i102 = 1,inf
         ubin = i102
         call getbin(idate,is,s,conca,ubin,ircps,i102)
1010   continue

C      print*,' ircps = ',ircps
C      print*,' is = ',is

       do 1020 j1=1,ircps
         conctst1(j1) = 0.0
1020   continue

       do 300 j=1,ircps
          do 1030 j2 = 1,inf
            conctst(j) = conctst1(j) + (conca(j2,j)*fac(j2))
            conctst1(j) = conctst(j)
1030      continue
          if ((conctst(j).lt.0.00001)
     &       .and.(conctst(j).gt.(-0.00001))) then
             conctst(j) = 0.0
          endif

          if (conctst(j).gt.c(j,1)) then

             if (is.le.24) then
                c(j,2) = c(j,1)
                i2h(j) = ih(j)
             end if
             c(j,1) = conctst(j)
             ih(j) = idate

          else if ((conctst(j).gt.c(j,2)).and.
     &             (conctst(j).lt.c(j,1)).and.
     &             (is.le.24)) then
             c(j,2) = conctst(j)
             i2h(j) = idate

          end if
  300  continue

       iyy = (idate-mod(idate,1000000))/1000000
       imm = (idate-iyy*1000000-mod(idate,10000))/10000
       idd = (idate-iyy*1000000-imm*10000-mod(idate,100))/100
       ihh = idate-iyy*1000000-imm*10000-idd*100

       write(*,121) iyy,imm,idd,ihh

121    format(' Reading Binary Year:',i3,' Month:',i3,' Day:',i3,
     +        ' Hour:',i3)

C      print*,' Leaving GETCONC'

       return
       end

C#########################################################################
      SUBROUTINE GETBIN(D,H,S,C,U,K,IN)
C-------------------------------------------------------------------------
C PURPOSE: READ BINARY CONCENTRATION RECORD.
C
C ARGUMENTS:
C   PASSED:
C     U = File unit being read
C     K = number of receptors in the receptor file
C
```

```
C   RETURNED:
C     S = source group identifier
C     H = averaging period
C     C = impact at receptor i
C     D = time and date of present averaging period
C
C LIMITATIONS: NONE
C
C I/O:
C   INPUT: NONE
C   OUTPUT: CONCENTRATION RECORD
C
C EXTERNALS: NONE
C
C (ORIGINALLY WRITTEN BY:   Robert J. Hammer)
C-----------------------------------------------------------------------
C
      integer d,h,u
      real c(30,5000)
      character*8 s

C     print*,' Entering GETBIN'

      read(u) d,h,s,(c(in,i),i=1,k)

C     print*,' Leaving GETBIN'



      return
      end


C#######################################################################
      SUBROUTINE GETREC(jr,xcoord,ycoord,elev)
C-----------------------------------------------------------------------
C PURPOSE: READ THE RECEPTOR FILE.
C
C ARGUMENTS:
C   PASSED:
C
C
C
C
C   RETURNED:
C     jr = number of receptors in the receptor file
C     xcoord(i) = x coordinate of receptor i
C     ycoord(i) = y coordinate of receptor i
C     elev(i) = elevation of receptor i
C
C LIMITATIONS: NONE
C
C I/O:
C   INPUT:
C     File unit 33, receptor.dat = receptor set from the dispersion modeling
C
C   OUTPUT: NONE
C
C EXTERNALS: NONE
C
C (ORIGINALLY WRITTEN BY:   Robert J. Hammer)
C-----------------------------------------------------------------------
C
C***  Read the receptor file
C

       character*80 dataline,data1,data2
```

```
       real xcoord(5000),ycoord(5000),elev(5000)
       rewind(33)
       jr = 0
100    read(33,10,end=999,err=1050) dataline
       write(*,*) dataline
       if((dataline(1:2).eq.'re').or.(dataline(1:2).eq.'RE')) then
          jr = jr + 1
          backspace(33)
          read(33,*,end=999,err=1050)data1,data2,xcoord(jr),ycoord(jr)
     +                               ,elev(jr)
          write(*,20) xcoord(jr),ycoord(jr),elev(jr)
       else
          go to 100
       endif
       go to 100
10     format(a80)
20     format(3f13.4)
       goto 999
C***  PROCESS ERROR MESSAGES
C
1050  write(*,*)    'READ/WRITE ERROR WITH INPUT FILE :'
      STOP
999   return
      end
```

APPENDIX I
MODELING FILES