# KERN COUNTY
# AIR POLLUTION CONTROL DISTRICT

## $PM_{10}$ (RESPIRABLE DUST)
## ATTAINMENT DEMONSTRATION, MAINTENANCE PLAN, AND REDESIGNATION REQUEST

**KERN COUNTY PORTION OF**
**INDIAN WELLS VALLEY**
**SEGMENT OF "SEARLES VALLEY"**
**FEDERAL PLANNING AREA**

**SEPTEMBER 5, 2002**

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# KERN COUNTY

# AIR POLLUTION CONTROL DISTRICT

# SERVING EASTERN KERN COUNTY

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# EXECUTIVE SUMMARY

## EXECUTIVE SUMMARY

The United States Environmental Protection Agency (U.S. EPA) designated the Searles Valley Planning Area "moderate" nonattainment for the $PM_{10}$ National Ambient Air Quality Standards (NAAQS's) pursuant to the 1990 amendments to the Federal Clean Air Act (FCAA). This nonattainment designation required adoption of a $PM_{10}$ attainment plan for the area, showing how attainment would be achieved by year end 1994. The Kern County Air Pollution Control District Board of Directors adopted the Kern County portion of the "$PM_{10}$ State Implementation Plan for the Searles Valley Planning Area" (Plan) in December 1991 to satisfy this requirement. Rule 402 (Fugitive Dust) was adopted on November 29, 1993 to implement the Reasonably Available Control Measures (RACM) identified in the attainment plan.

All control measures identified in this Plan have been implemented, and the Kern County portion of the Indian Wells Valley segment of the Searles Valley Federal $PM_{10}$ Nonattainment Area has attained the annual and 24-hour $PM_{10}$ NAAQS's. Additionally, a linear model demonstrates emission reductions obtained in the area will guarantee attainment of the $PM_{10}$ NAAQS's in the future (through 2013).

A forecast emission inventory has been prepared for the area, using local industry and regional and state planning entity estimates of future activity. This forecast inventory has been analyzed with a linear model to estimate future ambient $PM_{10}$ concentrations. This analysis shows ambient concentrations will not exceed 136 $ug/m^3$ through the year 2013. No additional control measures or contingency measures beyond those already in place for the area will be required to maintain attainment of the $PM_{10}$ NAAQS's through 2013. The forecast inventory and linear analysis form a maintenance plan for the region, a FCAA requirement for the region to be redesignated to attainment.

U.S. EPA's approval of the data, findings and forecasts presented in this document will provide that agency with all elements required by the Federal Clean Air Act to redesignate the Kern County portion of the Searles Valley Federal $PM_{10}$ Nonattainment Area to attainment.

This document consists of an introduction, three sections, and appendices. Section I presents an attainment demonstration, including Chapter 2 which describes ambient monitoring data and emission reductions, and Chapter 3 which describes the linear rollback model used to predict the relationship between emissions and ambient concentrations. Section II presents a maintenance plan, including Chapter 4 which describes the regional forecast in terms of expected emissions and ambient concentrations, and Chapter 5 which describes $PM_{10}$ control measure needs. Section III presents a redesignation request, including Chapter 6 which discusses statutory requirements for a redesignation request. Appendix A presents Rule 402 (Fugitive Dust). Appendix B presents ambient $PM_{10}$ monitoring results for the area. Appendix C presents emission inventories for the area, including a forecast through the year 2013. And Appendix D presents documentation of control measure implementation in the area. Appendix E contains supplemental information pertinent to the request for redesignation.

# CHAPTER 1

## INTRODUCTION AND BACKGROUND

### PURPOSE OF DOCUMENT

### REGULATORY BACKGROUND

### SETTING

## PURPOSE OF DOCUMENT

The Kern County portion of the Searles Valley Federal $PM_{10}$ Nonattainment Area has experienced only a few exceedances of the 24 hour Federal $PM_{10}$ National Ambient Air Quality Standard (NAAQS) since May 30, 1991, two or three caused by "Owens Lake events," and one or two due to "natural events". Such exceedances qualify for exclusion per U.S. EPA policy. This document: 1) demonstrates this air quality improvement is due to successful implementation of the $PM_{10}$ control strategy contained in the region's State Implementation Plan (SIP); 2) demonstrates the significant $PM_{10}$ emission reductions generated in the region are permanent and enforceable; and 3) contains a maintenance plan to ensure the region will not experience any exceedances through the year 2013. This document concludes by requesting a redesignation of the Kern County portion of the Searles Valley Federal $PM_{10}$ Nonattainment Area from "nonattainment" to "attainment" for the $PM_{10}$ NAAAQ's. Furthermore, this document satisfies 42 U.S.C. §§7407(d)(3), 7505a, and 7513a(c)(2) (Federal Clean Air Act (FCAA) §§107(d)(3), 175A, and 189(c)(2)) regarding milestone information, maintenance plan contents and redesignation requests.

## REGULATORY BACKGROUND

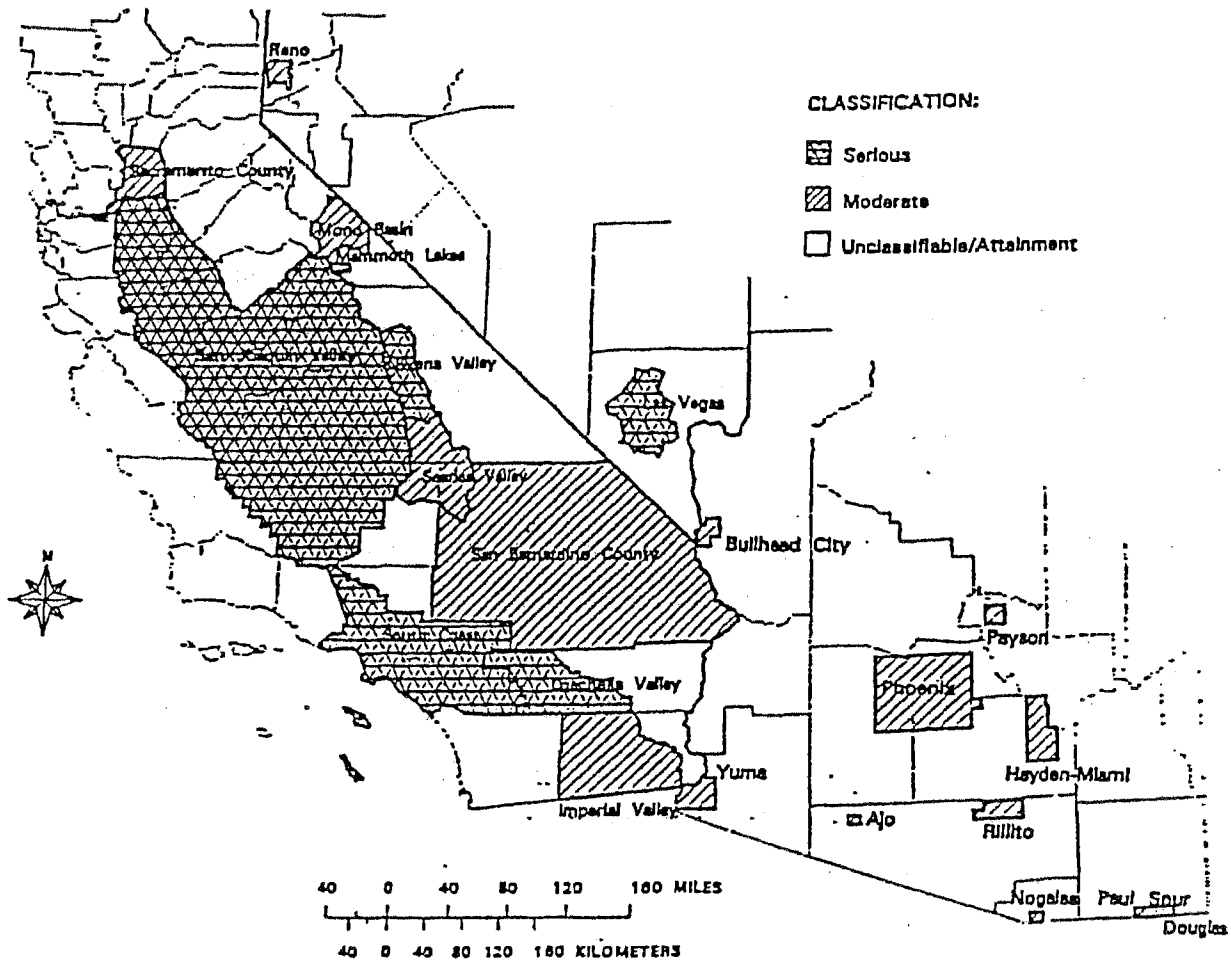
The 1970 Federal Clean Air Act required the U.S. EPA to develop health-based National Ambient Air Quality Standards for several categories of air pollutants, including finely-divided particulates. A standard for total suspended particulate was adopted, and then changed in 1985 to a "$PM_{10}$" standard. ("Total suspended" refers to all particulates with aerometric diameters of about 30 microns or less. One micron is one millionth of a meter. "$PM_{10}$" refers to particulates less than 10 microns, i.e., respirable particulates.)

Section 110 (a)(1) of the 1977 Federal Clean Air Act amendments required U.S. EPA to divide the United States into "Planning Areas" and designate these areas "attainment", "nonattainment", or "unclassified" within 3 years of adopting an Ambient Air Quality Standard. Figure 1-1, Page 1-3, shows U.S. EPA's Region IX Federal $PM_{10}$ nonattainment areas. (The Searles Valley Planning Area is near the center of Page 1-3.) U.S. EPA now considers the Searles Valley Planning Area as three

separate planning areas delineated by the boundaries of the three separate air districts with parts of the original planning area. KCAPCD's portion of the larger area is knows as the Indian Wells Valley Planning area.

## Figure 1-1

## U.S. EPA Region IX Federal $PM_{10}$ Non-Attainment Areas



Originally, Section 110 (a)(1) required a $PM_{10}$ attainment plan be submitted to U.S. EPA by 1988 for each area exceeding a NAAQS, but in 1988, U.S. EPA granted an extension, making the due date November 20, 1991.

As part of its $PM_{10}$ designation process, U.S. EPA developed three categories for areas without a history of $PM_{10}$ monitoring: **Group I** (areas with "95% probability of exceeding the NAAQS's"); **Group II** (areas with "a probability between 20 - 95% of exceeding the NAAQS's"); and **Group III** (areas with "less than 20% probability of exceeding the NAAQS's").

U.S. EPA used, in the "Searles Valley" area, an "hydrological area" to define the $PM_{10}$ planning area. Hence, hydrological unit number 18090205 was used to define the "Searles Valley" Planning Area. This hydrological unit includes the Searles Valley and the Indian Wells Valley. (See Figure 1-2, Page 1-5.) U.S. EPA considers $PM_{10}$ a "localized" pollutant as opposed to a "regional" pollutant like ozone. Consequently, attainment/nonattainment designations can apply to limited areas such as the "Searles Valley" instead of the whole district, or air basin.

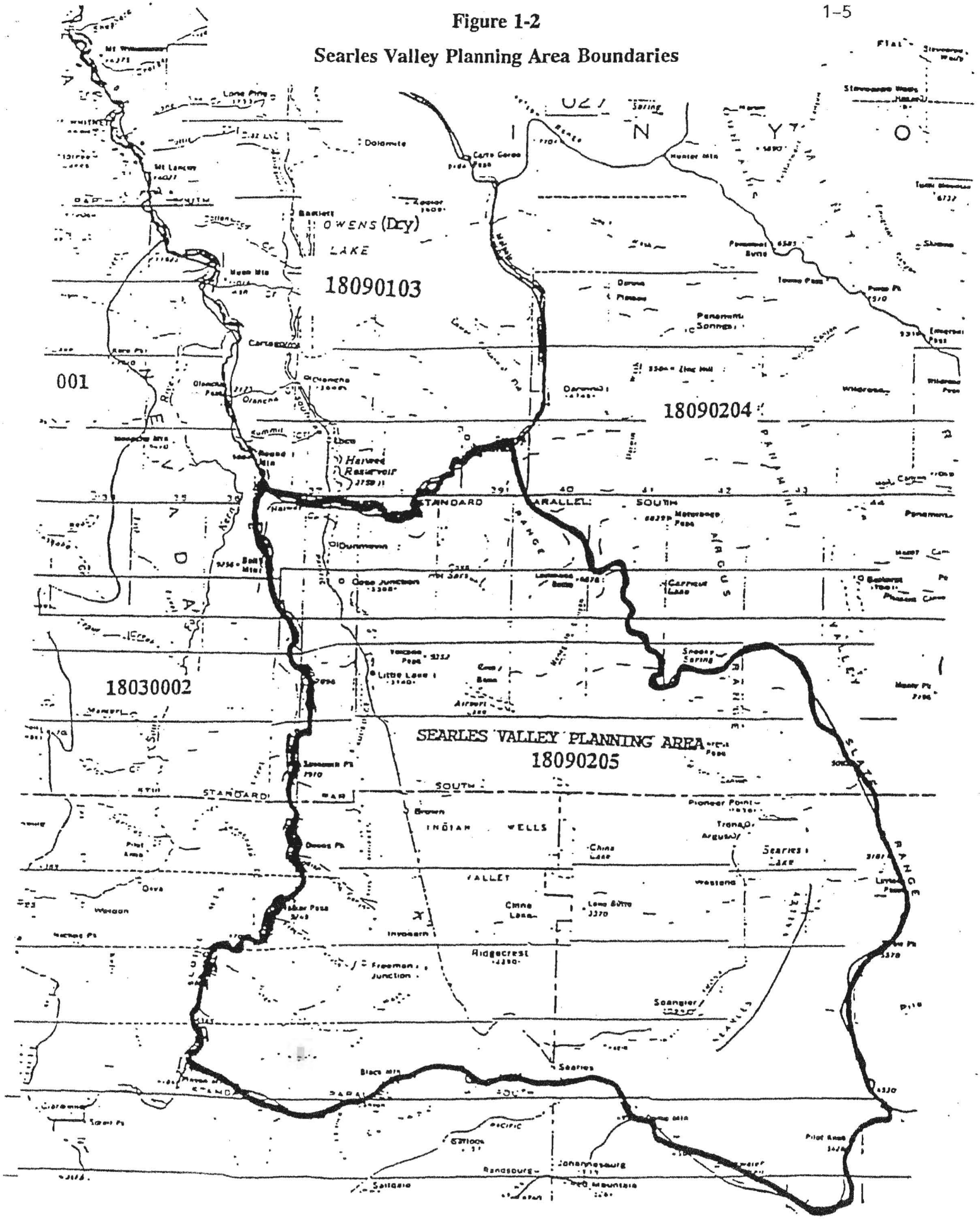
The Searles Valley Planning Area was identified in 52 Federal Register 29383 (August 7, 1987) as a Group I area. In 1987, $PM_{10}$ monitoring was being conducted in the Searles Valley at Trona, and in the Indian Wells Valley at Coso Junction (Inyo County), but $PM_{10}$ monitoring at China Lake in Kern County was not started until 1989. The 1977 Federal Clean Air Act Amendments (FCAAA's) required U.S. EPA to use 1987 $PM_{10}$ monitoring data to establish probability of nonattainment.

In 1990, the Searles Valley Planning Area became, by operation of law and pursuant to Section 107 (d)(4)(b) of the 1990 FCAAA's, a "moderate" $PM_{10}$ nonattainment area.

As shown in Figure 1-2, the Searles Valley Planning Area includes parts of three local air districts: Kern County APCD, Great Basin Unified APCD, and Mojave Desert AQMD. Note: U.S. EPA approved, on January 31, 2001, division of the Searles Valley Planning Area into three "subareas," Indian Wells Valley (KCAPCD), Trona (MDAQMD), and Coso Junction (GBUAPCD).

**Figure 1-2**

**Searles Valley Planning Area Boundaries**



U.S. EPA identified the Searles Valley as an area with high probability of $PM_{10}$ exceedances by listing it in the Federal Register (52 FR 29383 August 7, 1987) as a Group I $PM_{10}$ area. 42 U.S.C. §7407(d)(4)(B) (FCAA 107(d)(4)(B)) designated the Searles Valley a nonattainment area for the $PM_{10}$ NAAQS's as of November 15, 1990. This designation was based on many $PM_{10}$ NAAQS exceedances monitored after 1985 at the official Trona monitoring site and several industry-operated monitoring sites in this vicinity. The three air districts with jurisdiction over the planning area (San Bernardino APCD now Mojave Desert AQMD, Great Basin Unified APCD, and Kern County APCD) jointly prepared a $PM_{10}$ attainment plan for the region and adopted it on November 25, 1991.

As part of the Searles Valley Planning Area, the Indian Wells Valley, located in the Northeast corner of Kern County, was designated "moderate" nonattainment with respect to the 24 hour National Ambient Air Quality Standard for $PM_{10}$. This area was, in 1990, and still is, attainment for the Annual National Standard. Intermittent 24 hour exceedances and no annual exceedances indicates the area does not have constant and significant $PM_{10}$ sources and/or long term air mass stagnation, but, rather, has had very short periods of poorer air quality caused by high winds and/or intermittent $PM_{10}$ sources.

The Kern County Air Pollution Control District prepared amendments to the region's $PM_{10}$ attainment plan to improve the emission inventory. These amendments were adopted on July 6, 1993. On November 29, 1993, the KCAPCD Board of Directors adopted Rule 402 (Fugitive Dust); this Rule implements control measures identified in the attainment plan.

In 1994, U.S. EPA and the California Air Resources Board (CARB) notified KCAPCD the attainment plan contained insufficient contingency measures. On September 7, 1995, KCAPCD's Board adopted a revised attainment plan that included enhanced contingency measures. KCAPCD Rule 402 was also amended on this date to incorporate contingency measures. On March 29, 1994, CARB forwarded Rule 402 to U.S. EPA for approval and subsequent inclusion in the SIP.

## SETTING

The Kern County portion of the Searles Valley Federal $PM_{10}$ Nonattainment Area is that portion of the nonattainment area that comprises the southern half of the Indian Wells Valley. (See Figure 1-2.) This area covers approximately 300 square miles and is populated by about 30,000 persons. The area is an arid valley with several dry lakes and some farming. Average precipitation is four inches per year. The area features one community of significant size, Ridgecrest. The main base of the Naval Air Weapons Station (NAWS), China Lake is located in the area.

Primary roadways traversing the area are State Route 178 and Highways 14 and 395. The area is dominated by military activities related to NAWS. Other sources of pollution are those associated with a community of 30,000 inhabitants: service industries, and infrastructure and vehicular activities. There are no large stationary sources of $PM_{10}$.

# SECTION I

## ATTAINMENT DEMONSTRATION

# CHAPTER 2

## ATTAINMENT PLAN AND AMENDMENTS

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### INTRODUCTION

### PLAN AMENDMENTS

### PLAN COMPLETENESS

## INTRODUCTION

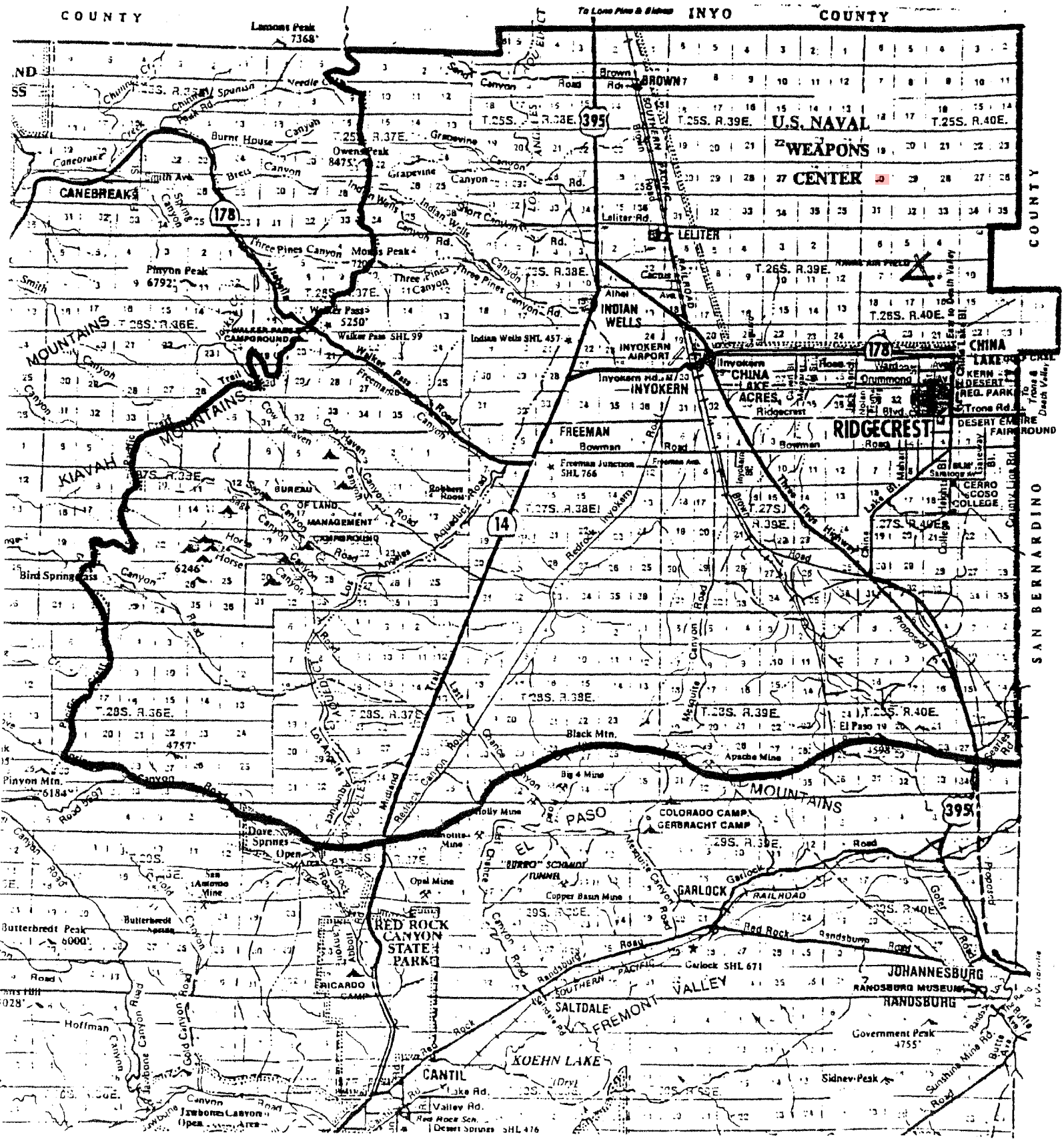
On December 2, 1991, KCAPCD's Board of Directors adopted, in response to Section 110 (A)(1) of the 1990 FCAAA's, KCAPCD's portion of the Searles Valley $PM_{10}$ Attainment Plan. This Plan targeted control of several $PM_{10}$ sources: industrial processes, construction and demolition activity, wind erosion sources, unpaved roadways, and open area sources. Kern County's portion of the Searles Valley Planning Area, shown in Figure 2-1, Page 2-2, has a "design value" of 166 ug/$m^3$ (micrograms per cubic meter) recorded on March 13, 1991. A "design valuc" is supposed to reflect an area's representative level of exceedance. A $PM_{10}$ Attainment Plan is required to identify a design value from the nonattainment area's 1988, 1989, and 1990 ambient air quality monitoring data, but KCAPCD was unable to do this for two reasons:

1) $PM_{10}$ monitoring was not initiated until 1989, and
2) No NAAQS exceedances were recorded in 1989 or 1990.

A design value of 166 ug/$m^3$ is only 11% above the 24 hour NAAQS of 150 ug/$m^3$. Consequently, the $PM_{10}$ control efficiency for each source targeted to reduce ambient $PM_{10}$ concentrations sufficiently to attain the standard, is modest. KCAPCD's Attainment Plan was designed to achieve the $PM_{10}$ NAAQS (24 hour standard) by the mandatory date of December 31, 1994. It succeeded. (Note: Since inception of monitoring, the Indian Wells Valley has never exceeded the annual standard of 50 ug/$m^3$.)

Figure 2-2

KERN COUNTY PORTION OF SEARLES VALLEY
PLANNING AREA (18090205)



## PLAN AMENDMENTS

On July 6, 1993, KCAPCD's Governing Board amended KCAPCD's portion of the Searles Valley $PM_{10}$ Attainment Plan. Amendments were necessary to clarify, amplify, and correct certain parts of the Plan. KCAPCD's portion of the Plan committed to development of a $PM_{10}$ control rule requiring Reasonably Available Control Measures (RACM's) to the extent that $PM_{10}$ emissions from unpaved roadways in the Kern County part of the Indian Wells Valley would be reduced 25%; $PM_{10}$ from construction and demolition would be reduced 25%; and $PM_{10}$ from wind erosion would be reduced 15%.

Then, on September 7, 1995, KCAPCD's Governing Board again amended the Attainment Plan and Rule 402 to include contingency measures. These measures consisted of increasing the Plan's unpaved roadways $PM_{10}$ control efficiency from 25% to 35% in the event attainment is not achieved and "tightening up" on unpaved roadways exemption conditions in Rule 402. Contingency measures are automatically "triggered" in the event the area again becomes nonattainment.

## PLAN COMPLETENESS

On February 22, 1994, KCAPCD was informed by the Region IX office of U.S. EPA, that KCAPCD's portion of the Searles Valley $PM_{10}$ Attainment Plan had satisfied completeness criteria of 40 CFR Part 51, Appendix V.

# CHAPTER 3

## PLAN IMPLEMENTATION

## RULE DEVELOPMENT

## RULE IMPLEMENTATION

## RULE DEVELOPMENT

To fulfill commitments made in its portion of the Searles Valley $PM_{10}$ Attainment Plan, KCAPCD's Governing Board adopted, on November 29, 1993, Rule 402 (Fugitive Dust). (See Appendix A, Page A-1.) This Rule had a final compliance date of June 1, 1994 and requires control of certain new and existing unpaved roadways, large construction activities, demolition projects, and significant wind erosion sources.

## RULE IMPLEMENTATION

Rule 402 compliance plans have been prepared and implemented by several $PM_{10}$ sources, for example the Naval Air Weapons Station, China Lake, and the City of Ridgecrest.

Kern County APCD has effected significant $PM_{10}$ reductions from unpaved residential roadways subject to Rule 402. U.S. EPA 105 Grant pass-through monies for $PM_{10}$ were used as well as AB2766 (DMV registration surcharge) funds to implement Project DUST (Dusty Unpaved Surfaces Treatment) west of Ridgecrest. Funds were used to improve roadbeds, apply dust palliatives, and place dust control speed limit signs. (See Appendix D for a Project DUST Status Report.)

Recently, several unpaved roadways in the Project DUST area were paved with hot mix asphalt using federal CMAQ funds. The City of Ridgecrest has also paved, and continues to pave, roadways in this vicinity.

Several private parties have applied for, and received, AB2766 funds for unpaved residential roadway surfacing projects.

# CHAPTER 4

## EMISSION REDUCTIONS

## KCAPCD RULE 402 EMISSION REDUCTIONS
## SUMMARY OF FACTORS CONTRIBUTING TO ATTAINMENT

## KCAPCD RULE 402 EMISSION REDUCTIONS

The Searles Valley $PM_{10}$ Plan identified several $PM_{10}$ control measures for implementation within the Kern County portion of the Planning Area to generate emission reductions sufficient to bring the area into attainment with the $PM_{10}$ NAAQS. These control measures have been implemented by enforcement of KCAPCD's fugitive dust rule, Rule 402. Chapter 4 of the Searles Valley $PM_{10}$ Plan identified three control measure categories: construction/demolition, public unpaved roads, and public disturbed areas to be implemented in KCAPCD's sector. Full implementation occurred by year end 1998.

Rule 402 appears in Appendix A and applies to "active operations", i.e., open storage piles, earth moving activities, construction/demolition activities, disturbed surface areas, and movement of motor vehicles on unpaved roadways and parking lots.

Subsection V.A. restricts visible fugitive dust emissions to the property upon which the activity occurs, except for unpaved roadways.

Subsection V.B. requires use of at least one fugitive dust Reasonably Available Control Measure (RACM) for an active operation.

Subsection V.C. requires an RACM dust control plan (or limits ambient air quality impact) for large operations.

Table 4-1 presents a summary of these control measures and their implementation status. Table 4-2 presents a summary of emission reductions generated by each control measure, and a comparison to emission reductions planned for each control measure by KCAPCD's $PM_{10}$ Attainment Plan. Table 4-3 lists all factors contributing to attainment. Appendix D provides implementation documentation.

## TABLE 4-1

## $PM_{10}$ Attainment Plan (AP) and

## Rule 402 Control Measures Summary and Implementation Status

| Control Measure | Implementation Status |
|---|---|
| Control of Process Fugitives (AP) | Rule 201 (Permits to Operate) has been used to maintain control of existing sources; Rule 210.1 (New and Modified Stationary Source Review) has been used to establish control new and modified sources. |
| Control of Construction/Demolition Activities (Rule 402) | Persons responsible for such activities must limit visible emissions to property. |
| Control of Unpaved Roadways (Rule 402) | "Project DUST" (See Appendix D), DMV Funds (AB2766), City of Ridgecrest and CMAQ monies have been used to control primary sources of roadway dust. |
| Control of Wind Erosion (Rule 402) | Persons responsible for larger disturbed areas have submitted and implemented dust control plans, e.g., Naval Air Weapons Station, China Lake, and City of Ridgecrest. |

# TABLE 4-2

## Rule 402 Control Measures Emission Reductions Summary
## (Based on 1990 Emission Inventory)

| CONTROL MEASURE | PLANNED REDUCTION (tons/day) | ACTUAL REDUCTION (tons/day) | PERCENTAGE OF EXPECTED REDUCTION |
|---|---|---|---|
| Control of process fugitives | 0.06 (25% control of category) | 0.06 | 100% |
| Control of wind erosion | 0.08 (15% control of category) | 0.08 | 100% |
| Control of unpaved roadways | 0.41 (25% control of category) | 0.41 | 100% |

## SUMMARY OF FACTORS CONTRIBUTING TO ATTAINMENT

All of the following factors contributed to attainment by year end 1998.

* Implementation of new Rule 402 (Fugitive Dust) - this Rule, since 1993, has controlled $PM_{10}$ from four sources: unpaved roadways, disturbed areas, construction/demolition activities, and earth moving/open storage piles. Both the Naval Air Weapons Station and the City of Ridgecrest prepared, submitted, and implemented fugitive dust emission control plans. The County of Kern Ridgecrest Landfill controls fugitive dust pursuant to the California Code of Regulations, Sections 20540 and 20800.
* Rigorous implementation of existing Rules 401 (Visible Emissions), 404.1 (Particulate Matter Concentration), 405 (Particulate Matter Emission Rate), 409 (Fuel Burning Equipment Combustion Contaminants), 416 (Open Burning), 417 (Agricultural Burning), 418 (Incinerator Burning) and 425.1 (Asphalt Batch Plants - Clean Fuels).
* Rigorous implementation of Rule 210.1 (New and Modified Source Review) - this Rule requires BACT for any new or modified stationary source, regardless of emission rate.
* Paving, surfacing and treating of numerous unpaved roadways, including:
    - 1992, 1993 - Use of U.S. EPA pass through funds to treat five miles of residential roadways.
    - 1994 - Use of DMV Funds to surface two miles of roadway. (Public road to landfill.)
    - 1998 - City of Ridgecrest and DMV Funds used to pave one mile of residential roadway.
    - 2000 - Use of CMAQ Funds to pave three miles of residential roadways.
    - 2001 - Use of DMV Funds to surface one mile of residential roadway.

    (See Appendix E for map of roadways paved)
* Requirements by the County of Kern (1990 Land Use Ordinance) to pave new streets for new subdivisions. (See Appendix E)

* Requirements by the City of Ridgecrest Municipal Code to pave new streets for new subdivisions. (See Appendix E)

* Bureau of Land Management has closed several off highway vehicle (OHV) roads and trails. (See Appendix E)

* Negative growth (population reduction) for the IWV between 1990 and 2001.

# CHAPTER 5

## AIR QUALITY ANALYSIS ATTAINMENT DEMONSTRATION

## AIR QUALITY ANALYSIS ATTAINMENT DEMONSTRATION

KCAPCD started monitoring total suspended particulate (TSP) monitor in the Ridgecrest vicinity in 1971; $PM_{10}$ in 1989 and $PM_{2.5}$ in 2000.

KCAPCD's monitors are located 1) downwind of the City of Ridgecrest and the "main base" of the Naval Air Weapons Station, and 2) in downtown Ridgecrest at City Hall. These locations are believed to be representative of the most populated part of the Searles Valley Planning Area, the City of Ridgecrest. (Population - about 29,000) and are believed to represent the sites of highest $PM_{10}$ concentrations.

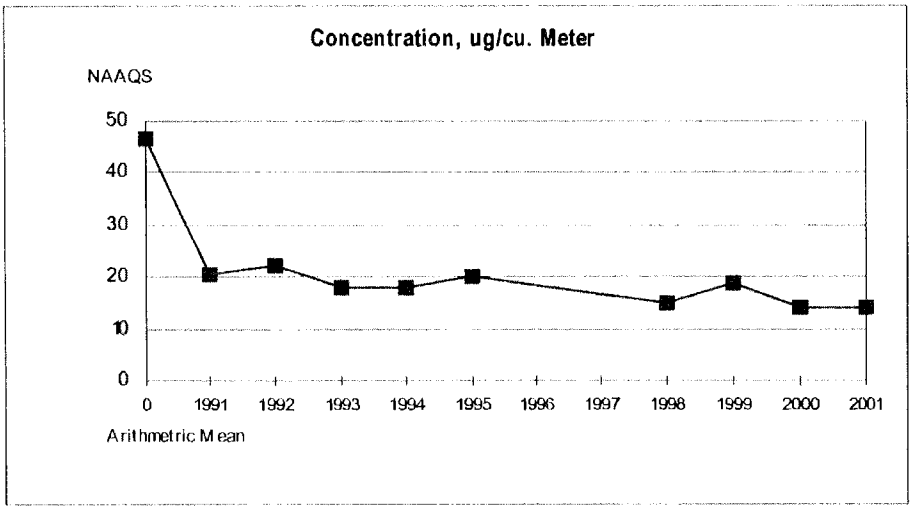
$PM_{10}$ data collected at these sites, referred to by the California Air Resources Board as sites #06-029-1001 and #06-029-0015, show few exceedances of the 24 hour National Ambient Air Quality Standard (NAAQS) of 150 ug/m$^3$, and show no exceedances of the annual arithmetic mean of 50 ug/m$^3$ during the last 10 years. All but two, were due to Owens Lake events*, one was due to a "natural event" (wind storm), and the third was 165 ug/m$^3$ on March 24, 1995. The highest annual arithmetic mean was 23.0 ug/m$^3$. Data collected during 1999, 2000 and 2001 demonstrate attainment of $PM_{10}$ National Ambient Air Quality Standards, and, in fact, nearly show attainment of the California $PM_{10}$ Ambient Air Quality Standards of 50 ug/m$^3$ (24 hr.) and 30 ug/m$^3$ (annual). Attainment was actually demonstrated by the mandatory attainment date for a "moderate area" (December 31, 1994), although minimum required data collection of 75% was not achieved.

Both the typical 24 hour concentration and the typical annual arithmetic mean are very low, i.e., only about one third and less than one half, respectively, of the NAAQS's. The complete set of monitoring data appears in Appendix B. Year by year annual arithmetic means are shown on Figure 5-1, Page 5-2.

* An "Owens Lake" event occurs when a strong north wind lifts finely-divided particulate from the dry Owens Lake bed in Inyo County and transports it across the Indian Wells Valley.

# FIGURE 5-1

## $PM_{10}$ ANNUAL ARITHMETIC MEANS



# CHAPTER 6

## LINEAR ROLLBACK MODEL ATTAINMENT DEMONSTRATION

## LINEAR ROLLBACK MODEL ATTAINMENT DEMONSTRATION

The 1991 Searles Valley $PM_{10}$ Attainment Plan identified several control measures designed to generate $PM_{10}$ emission reductions in the planning area. KCAPCD's measures have been implemented and have resulted in emission reductions. The effect these measures have had on $PM_{10}$ concentrations can be estimated through use of a "linear rollback" model. The rollback analysis is conducted for the FCAA mandatory period 1991-94. Chapter 7, Regional Forecast, serves to show $PM_{10}$ emissions (and thus, $PM_{10}$ concentrations) will continue to decrease between now until 2013.

A linear rollback model assumes a linear relationship between pollutant emissions and ambient concentrations of those pollutants. Such a model does this by assuming concentrations measured on a design day are the direct result of emissions on that design day. The design day is, by definition, the day with the highest ambient concentration determined to be the result of local effects, i.e., a worst case day. In the Kern sector of the Planning area, March 13, 1991 was selected as the design day, thus, a concentration of 166 $ug/m^3$ was used as the design value. April 6 and May 30, 1991, both had higher concentrations, but these exceedances were determined to not to be representative of the Ridgecrest area (they were, most probably, Owens Lake events.) By establishing a relationship between emissions and concentrations on the design day, a rollback model can translate real emission reductions into theoretical concentration reductions.

Table 6-1 presents the linear rollback model forecast for the Kern County portion of the Searles Valley Planning Area for 1999-2001. The right hand column shows emission reductions occurring in the region have resulted in an emission level corresponding to an ambient concentration of 149 $ug/m^3$ under worst case conditions similar to those experienced on the design day. This worst case ambient concentration does not exceed the $PM_{10}$ NAAQS. Based on the fact this area's monitoring data are, over 99% of the year, only 10 to 20% of the 24 hour standard, this worst case estimate is very conservative.

**TABLE 6-1**
**Linear Rollback Model Attainment Demonstration**
**1999-2001**

| Emission Source Category | 1999 Emissions Tons/Day | $PM_{10}$ Conc. Contribution ($ug/m^3$) | 2001 Emissions Tons/Day | Attainment $ug/m^3$ |
|---|---|---|---|---|
| Stationary Sources | 0.16 | 4.1 | 0.16 | 4.1 |
| Construction/Demolition | 0.36 | 9.3 | 0.36 | 9.3 |
| Paved Roads | 0.27 | 7.0 | 0.27 | 7.0 |
| Unpaved Roads | 0.93 | 23.9 | 0.93 | 23.9 |
| Area Sources | 2.89 | 74.4 | 2.89 | 74.4 |
| Natural (wind erosion) Sources | 0.64 | 16.5 | 0.64 | 16.5 |
| On Road Mobile Sources | 0.10 | 2.6 | 0.10 | 2.6 |
| Off Road Mobile Sources | 0.41 | 10.6 | 0.33 | 8.5 |
| Background | --- | 3.0 | --- | 3.0 |
| Totals | 5.76 TPD | 151 $ug/m^3$ | 5.68 TPD | 149 $ug/m^3$ |

# SECTION II

## MAINTENANCE PLAN

# CHAPTER 7

## REGIONAL FORECAST

FORECAST EMISSION INVENTORY

GROWTH CODES

EMISSION INVENTORY

LINEAR MODEL FORECAST

TRANSPORTATION CONFORMITY

## FORECAST EMISSION INVENTORY

42 U.S.C. §7505a (FCAA §175A) requires a maintenance plan to include an emission inventory extending at least 10 years beyond the redesignation date. The Searles Valley $PM_{10}$ Attainment Plan was required to forecast regional emissions through 1994, the mandatory moderate classification attainment date. An emission inventory has been prepared by CARB for the Kern County portion of the Indian Wells Valley that forecasts emissions through the year 2013, including 1997 and 2001 as milestone years. This forecast inventory covers 19 years beyond the attainment date, and 10 years beyond the expected redesignation date, i.e., 2003.

Figure 7-1 shows the actual emission inventory for 1990 through 1994, and the forecast emission inventories for 1997, 2001 and 2013. The region's $PM_{10}$ emission inventory declines and then remains approximately constant through the year 2013.

## GROWTH CODES

Forecast inventories are estimated by multiplying a base year value for each category by a "growth code" for a given future year. The "growth code" is indexed to the base year (1990 for this document), so its value is 1.00. This allows the growth code to estimate future emissions; for example, if the growth code for the year 2001 is 1.50, activity in that category (and resulting emissions) is expected to be 50 percent greater than in 1990.

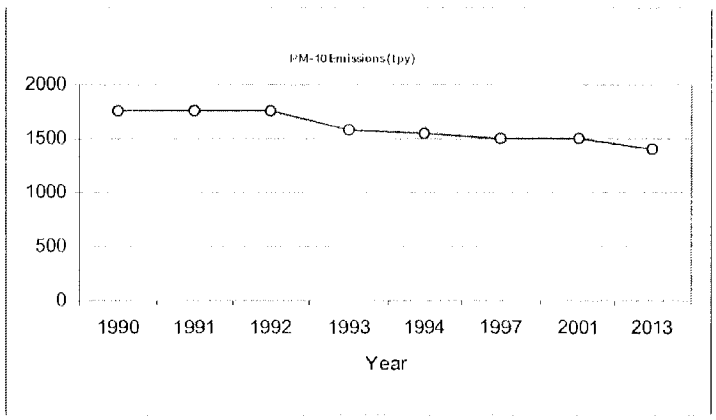
Growth codes used for the Kern County portion of the Indian Wells Valley area reflect lack of significant historical change since 1990 and lack of significant future expected change in the region. No significant population increase in the area is expected. The Kern County portion of the Indian Wells Valley has about 30,000 residents. The economy is heavily dependent upon Naval Air Weapon Station activities which have declined in recent years with Department of Defense reductions. Related private industry aerospace activities have correspondingly decreased. A number of residents commute to the Trona area East of Ridgecrest. A small amount of farming is conducted in the Valley, but is limited by groundwater supplies and weather.

## EMISSION INVENTORY

Appendix C contains a detailed breakdown of the region's emission inventories. This inventory uses a 1990 base year.

**Figure 7-1**

**Kern County Portion Of Indian Wells Valley $PM_{10}$ Emission Inventory Trend**




**Year**

## LINEAR MODEL FORECAST

42 U.S.C. §7505a (FCAA §175A) requires a maintenance plan to demonstrate ambient concentrations will not exceed $PM_{10}$ NAAQS's for at least ten years after the redesignation date. The same linear model used to demonstrate attainment in the region can be used to predict future ambient concentrations. This is done by comparing the forecast emission inventory to the base year emission inventory, and proportioning ambient concentration to forecast emission rates. (Refer to Chapter 6 for details on the calculation and analysis procedures.)

The results of the linear model forecast are presented in Table 7-1. As the emission inventory decreases from the attainment year, 1994, through 2013, ambient concentrations are expected to decline over the same period. Thus, the linear model forecasts the region will not experience any exceedances of the NAAQS's through the year 2013.

# Table 7-1
## Linear Model Forecast (1990-2013)
## (Emissions and Concentrations)

| | ACTUAL | | | | | | | | FORECAST | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1991 | | 1994 | | 1999 | | 2001 | | 2013 | |
| | tpd | ug/m$^3$ | tpd | ug/m$^3$ | tpd | ug/m$^3$ | tpd | ug/m$^3$ | tpd | ug/m$^3$ |
| Stationary Sources | 0.17 | 4.4 | 0.17 | 4.4 | 0.16 | 4.1 | 0.16 | 4.1 | 0.21 | 5.4 |
| Construction/Demolition | 0.47 | 12.1 | 0.47 | 12.1 | 0.36 | 9.3 | 0.36 | 9.3 | 0.39 | 10.0 |
| Paved Roads | 0.27 | 7.0 | 0.27 | 7.0 | 0.27 | 7.0 | 0.27 | 7.0 | 0.36 | 9.3 |
| Unpaved Roads | 1.26 | 32.4 | 1.26 | 32.4 | 0.93 | 23.9 | 0.93 | 23.9 | 0.93 | 23.9 |
| Area Sources | 2.89 | 74.4 | 2.89 | 74.4 | 2.89 | 74.4 | 2.89 | 74.4 | 2.26 | 58.2 |
| Natural (wind erosion) Sources | 0.76 | 19.6 | 0.76 | 19.6 | 0.64 | 16.5 | 0.64 | 16.5 | 0.57 | 14.7 |
| On Road Mobile Sources | 0.10 | 2.6 | 0.10 | 2.6 | 0.10 | 2.6 | 0.10 | 2.6 | 0.12 | 3.1 |
| Off Road Mobile Sources | 0.41 | 10.6 | 0.41 | 10.6 | 0.41 | 10.6 | 0.33 | 8.5 | 0.33 | 8.5 |
| Background/Transport* | --- | 3.0 | --- | 3.0 | --- | 3.0 | --- | 3.0 | --- | 3.0 |
| Totals | 6.33 | 166 | 6.33 | 166 | 5.76 | 151 | 5.68 | 149 | 5.18 | 136 |

**NOTE**: 24 hour National Ambient Air Quality Standard is 150 ug/m$^3$

* Excluding Owens Lake Events

## TRANSPORTATION CONFORMITY

To ensure future changes to a region's transportation system, e.g., new roads, will not conflict with attainment or maintenance of air quality standards, the local Metropolitan Planning Organization (Kern Council of Governments) must make a determination regional transportation plans (RTP) and transportation improvement plans (TIP) conform to the SIP. This conformity finding is submitted along with the RTP and TIP to the Federal Highways Administration for approval. Kern COG has done this for East Kern. One element of a conformity finding is a demonstration emissions associated with the RTP and TIP do not exceed "emission budgets" contained in the State Implementation Plan (SIP).

For the Indian Wells Valley, the emission budget is the projected vehicle-related $PM_{10}$ emissions contained in the SIP. This includes dust from paved and unpaved roads (dust blown into the air as a vehicle drives by), dust from construction activities, and vehicle exhaust $PM_{10}$. The budget is displayed in Table 7-2.

Within the Kern County portion of the Searles Valley nonattainment region, $PM_{10}$ in vehicle exhaust is a very small portion of the total $PM_{10}$ inventory, i.e., approximately 2 percent over the life of the SIP. In contrast, dust from paved and unpaved roads and construction activities is approximately 30 percent of the inventory. As a result, it can be concluded vehicle exhaust $PM_{10}$ is not a significant factor in ensuring the RTP and TIP will not interfere with maintenance of the $PM_{10}$ standard. Accordingly, directly emitted $PM_{10}$ in vehicle exhaust is not included in the budget.

**Table 7-2**

**Transportation Conformity Budget**

| | $PM_{10}$ (tons per day) |
|---|---|
| 2001 | 1.6 |
| 2013 | 1.7 |

Source: California Air Resources Board, August 2002

# CHAPTER 8

## EMISSION CONTROL MEASURES

## ADDITIONAL MEASURES

## CONTINGENCY MEASURES

## ADDITIONAL MEASURES

42 U.S.C. §7505a(a) (FCAA §175A(a)) requires a maintenance plan to include sufficient additional emission control measures to ensure attainment with the NAAQS's. The Kern County portion of the Indian Wells Valley is forecast to have a decreasing emission inventory through the year 2013. Linear analysis of this emission inventory forecast under "design day," or worst case conditions indicates ambient concentrations will not exceed the $PM_{10}$ NAAQS's. Accordingly, no additional control measures are required to maintain ambient concentrations below the $PM_{10}$ NAAQS's.

## CONTINGENCY MEASURES

42 U.S.C. §7505a(a) (FCAA §175A(a)) requires a maintenance plan to include contingency measures sufficient to insure any exceedance of the NAAQS's that occurs after redesignation will be corrected. KCAPCD's portion of the Searles Valley $PM_{10}$ Plan and Rule 402 (Fugitive Dust) were revised on September 7, 1995 to incorporate automatically-triggered, federally-enforceable contingency measures.

To assure KCAPCD's ability to maintain the $PM_{10}$ NAAQS's, in conformance with Section 172 (c)(9) of the CAA, Rule 402 (Fugitive Dust) requires increasing required control of unpaved roadways from 25% to 35%. This additional $PM_{10}$ emission reduction would amount to 0.16 tons per day or 31% more than required to attain. A 31% contingency emission reduction exceeds U.S. EPA's minimum requirement of 25%.

If necessary, Rule 402 can be amended to include additional control measures, for example, control of truck tire carryout onto paved roads and/or removing or reducing exemptions from the Rule. To date, monitoring has shown these contingency measures will not be necessary.

# SECTION III

## REDESIGNATION REQUEST

# CHAPTER 9

## REQUIREMENTS

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## REDESIGNATION REQUIREMENTS

## REDESIGNATION

The Kern County portion of the Indian Wells Valley has attained the $PM_{10}$ NAAQS's as shown by 1999, 2000 and 2001 monitoring data. Contingency measures are in place to insure no future exceedances will persist.

Accordingly, Kern County Air Pollution Control District hereby requests the Indian Wells Valley $PM_{10}$ Planning Area (formerly a sector of the Searles Valley Federal $PM_{10}$ Nonattainment Area) be redesignated from "nonattainment" to "attainment" for the Federal $PM_{10}$ NAAQS's.

## REQUIREMENTS

42 U.S.C. §7407(d)(3)(E) (FCAA §107(d)(3)(E)) presents requirements which must be met to be redesignated to attainment. All requirements have been satisfied by previous actions and this document. These requirements are:

1. The area shall have attained the NAAQS's (refer to Chapter 5). [42 U.S.C. §7407 (d)(3)(E)(i)(FCAA §107(d)(3)(E)(i))]

2. An implementation plan shall have been approved for the area (refer to Chapter 2). [42 U.S.C. §7407(d)(3)(E)(ii) (FCAA §107(d)(3)(E)(ii))]

3. The area's improvement in air quality shall be determined to be the result of permanent and enforceable emission reductions resulting from implementation of the applicable implementation plan and other permanent and enforceable mechanisms (refer to Chapters 3 and 4). [42 U.S.C. §7407(d)(3)(E)(iii) (FCAA §107(d)(3)(E)(iii))]

4. A maintenance plan shall have been approved for the area (this document in Section II contains a maintenance plan for the area; approval of this document constitutes approval of a maintenance

plan for the area). [42 U.S.C. §7407(d)(3)(E)(iv) (FCAA §107 (d)(3)(E)(iv))]

5. All implementation plan and nonattainment area requirements shall have been met for the area (refer to Chapter 1). [42 U.S.C. §7407(d)(3)(E)(v) (FCAA §107 (d)(3)(E)(v))]

# APPENDIX A

## RULE 402 (FUGITIVE DUST)

**RULE 402 Fugitive Dust** - Adopted 11/29/93, Amended 3/07/94, 9/7/95

## I. Purpose

The purpose of this Rule is to reduce the amount of respirable particulate matter ($PM_{10}$) emitted from significant man-made fugitive dust sources in the Indian Wells Valley portion of Kern County and in an amount sufficient to attain National Ambient Air Quality Standards. Rule 419 shall still be used to prevent/correct specific public nuisances and health hazards.

## II. Applicability

The provisions of this Rule shall apply to specified bulk storage, earthmoving, construction and demolition, man-made conditions resulting in wind erosion, and unpaved roadways located in the Kern County portion of the "Searles Valley Planning Area" shown on Page 402-11.

## III. Definitions

A. Active Operation - activity capable of generating fugitive dust, including any open storage pile, earth-moving activity, construction/demolition activity, disturbed surface area, and non-emergency movement of motor vehicles on unpaved roadways and any parking lot served by an unpaved road subject to this Rule.

B. Bulk Material - sand, gravel, soil, aggregate, and any other organic or inorganic solid matter capable of releasing dust.

C. Calendar Quarter - consecutive three month period and each consecutive three-month period thereafter, beginning on the first day of the calendar month in which an activity qualifies as a large operation.

D. Construction and Demolition Activity - any on-site mechanical activity preparatory to or related to building, alteration, rehabilitation, demolition or improvement of property, including the following activities: grading, excavation, loading, crushing, cutting, planing, shaping or ground breaking.

E. Contractor - any person or company, or licensed construction contractor having a contractual arrangement to conduct an active operation subject to this Rule for another person.

F. Contingency Measure - additional $PM_{10}$ control requirements automatically triggered in the event of lack of Reasonable Further Progress to attain or failure to attain or maintain the National Ambient Air Quality Standards for $PM_{10}$.

G. Disturbed Surface Area - portion of the earth's surface having been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed natural condition, thereby increasing the potential for emission of fugitive dust. Disturbed surface area does not include areas restored to a natural state with vegetative ground cover and soil characteristics similar to adjacent or nearby natural conditions.

H. Dust Suppressant - water, hygroscopic materials, or non-toxic chemical stabilizers used as treatment to reduce fugitive dust emissions. A suppressant shall not be used if prohibited by the Regional Water Quality Control Board, the California Air Resources Board, the Environmental Protection Agency, or any other applicable law, rule or regulation. All suppressants shall meet all specifications, criteria, or tests required by any federal, state, or local water agency. The use of dust suppressants shall be of sufficient concentration and application frequency to maintain a stabilized surface.

I. Earth-Moving Activity - grading, earth cutting and filling, loading or unloading of dirt or bulk material, adding to or removing from open storage piles of bulk material, landfilling, or soil mulching.

J. Fugitive Dust - any particulate matter becoming airborne, other than being emitted from an exhaust stack, directly or indirectly as a result of human activity.

K. Inactive Disturbed Surface Area - any disturbed surface area upon which an active operation has not occurred for a period of at least ten consecutive days.

L. Large Operation - any active operation, excluding vehicle movement on roadways, on property involving in excess of 100 acres of disturbed surface area, or any earth-moving activity exceeding a daily volume of 7,700 cubic meters (10,000 cubic yards) three times during the most recent 365-day period.

M. Motor vehicle - any engine-powered device used to convey people, or freight and registered for use on public highways.

N. Non-Routine - non-periodic active operation occurring no more than three times per year, lasting less than 30 cumulative days per year, and scheduled less than 30 days in advance.

O. Open Storage Pile - any accumulation of bulk material with 5 percent or greater silt content not fully enclosed, covered or chemically stabilized, and attaining a height of three feet or more and a total surface area of 500 or more square feet. Silt content level shall be assumed to be 5 percent or greater unless a person shows, by sampling and analysis in accordance with ASTM Method C-136, the silt content is less. Results of ASTM Method C-136 are valid for 60 days from the date the sample was taken.

P. Particulate Matter - any solid material, existing in finely divided form.

Q. PM10 - particulate matter with an aerodynamic diameter smaller than or equal to 10 microns as measured by California Air Resources Board Test Method 501.

R. Prevailing Wind Direction - from Southwest to Northeast or as specified by the Control Officer as being more representative of local conditions.

S. Property Line - boundaries of an area in which either a person causing fugitive dust emissions or a person allowing fugitive dust emissions has ownership or legal right to use the property.

T. Reasonably Available Control Measure (RACM) - any technique or procedure used to prevent or reduce the emission and airborne transport of fugitive dust. RACM's

RACM's include, but are not limited to, application of dust suppressants, use of coverings or enclosures, paving, enshrouding, planting, control of vehicle speeds, and any other measure recognized by the Control Officer as providing equivalent dust control. Table I (Page 402-4) and U.S. EPA's reference document "Control of Open Fugitive Dust Sources", Midwest Research Institute, September 1988 shall be used for guidance.

U. Simultaneous Sampling - operation of two $PM_{10}$ samplers such that one sampler is started within five minutes of the other, and each sampler is operated for a consecutive period of not less than 290 minutes and not more than 310 minutes.

V. Stabilized surface - previously disturbed surface area showing visual or other evidence of surface particle conglomeration after application of a dust suppressant.

W. Unpaved Road - any straight or curved length of well-defined travel way for motor vehicles not covered by one or the following: concrete, asphaltic concrete, or asphalt.

X. Wind Gust - maximum instantaneous wind speed, as measured by an anemometer or as provided by the nearest local meteorological station.

IV. **Exemptions**

A. Provisions of this Rule shall not apply to:

1. Agricultural operations;

2. Actions required by federal or state endangered species legislation;

3. Any disturbed surface area less than three acres on residential property;

4. Active operations conducted during emergency life-threatening situations, or in conjunction with any officially-declared disaster or state of emergency;

5. Active operations conducted by essential service utilities to provide electricity, natural gas, telephone, water and sewer during periods of service outages and emergency disruptions;

6. Unpaved roads, provided such roads:

   a. are less than 75 (50, if contingency measure triggered) feet long or,

   b. have a motor vehicle traffic volume less than 25 (15, if contingency measure triggered) vehicle-trips per day, or

   c. have a motor vehicle traffic volume of 25 (15, if contingency measure triggered) vehicle-trips per day or more, not more than six times per year, or

   d. provide access to not more than 10 residences;

   Contingency measure is triggered if U.S. EPA publishes a finding in the Federal Register that KCAPCD's portion of the Searles Valley Planning Area (see Page 402-11) has failed to make reasonable further progress to attain or has failed to attain or maintain National Ambient Air Quality Standards for $PM_{10}$.

7. Restorative grading of unpaved shoulders of paved roads;

8. Non-routine or emergency maintenance of flood control channels and water spreading basins;

9. Weed and dried vegetation removal required by a fire prevention/control agency;

10. Active operations conducted during freezing weather if applicable RACM involves application of water;

11. County sanitary landfill disposal sites provided such sites conform to California Code of Regulations Sections 17659 and 17706;

12. Blasting operations permitted by the California Division of Industrial Safety;

13. Motion picture, television, and video production activities when dust emissions are required for visual effects. This exemption shall be obtained from the Control Officer;

14. Officially-designated public parks and recreational areas, including national parks, national monuments, national forests, state parks, state recreational areas, and County regional parks;

15. Any contractor subsequent to a contract termination date, provided such contractor implemented Reasonably Available Control Measures during the contractual period; and

16. Any grading contractor, for a phase of active operations conducted after his completion of earth-moving activities, provided such contractor implemented Reasonably Available Control Measures during the entire phase of earth-moving activities and until the final grading inspection.

B. Provisions of Subsection V.A. (visible emissions limit) shall not apply when wind gusts exceed 25 miles per hour, provided:

1. Table I (Page 402-4) Reasonably Available Control Measures are implemented for each applicable fugitive dust source type, or;

2. A person has on file with the District an approved "High Wind Fugitive Dust Control Plan" indicating technical reasons why any Reasonably Available Control Measure cannot be implemented. Such Plan shall provide an alternative measure of fugitive dust control, if technically feasible, and shall be subject to the same approval conditions as specified in Section V.

C. If applicable, provisions of Subsection V.D.2. (large operation $PM_{10}$ monitoring) shall not apply for a period of:

a. One calendar quarter for each new large operation,

b. Fourteen calendar days after approval or conditional approval of a fugitive dust emission control plan.

## V. Requirements

A. A person shall not cause or allow emissions of fugitive dust from any active operation to remain visible in the atmosphere beyond the property line of the emission source. This Subsection shall not apply to unpaved roadways.

B. A person shall utilize one or more Reasonably Available Control Measures to minimize fugitive dust emissions from each fugitive dust source type which is part of any active operation subject to this Rule, including unpaved roadways.

C. For any large operation, except those satisfying Subsection V.D.3. (implementation of RACM's), a person shall not cause or allow downwind $PM_{10}$ ambient concentrations to increase more than 50 micrograms per cubic meter above upwind concentrations as determined by simultaneous upwind and downwind sampling. High-volume particulate matter samplers, or other EPA-approved equivalent method(s) for $PM_{10}$ monitoring shall be used. Samplers shall be:

a. Operated, maintained, and calibrated in accordance with 40 Code of Federal Regulations (CFR), Part 50, Appendix J, or appropriate EPA-published documents

for EPA-approved equivalent methods(s) for $PM_{10}$ sampling;

b. Reasonably placed upwind and downwind of the large operation based on prevailing wind direction and as close to the property line as feasible, such that other sources of fugitive dust between the sampler and the property line are minimized; and

c. Operated during active operations.

D. Special Requirements for Large Operations

1. No person shall conduct or authorize conducting a large operation subject to requirements of this Rule without either: 1) conducting on-site $PM_{10}$ air quality monitoring and associated recordkeeping, or 2) filing for and obtaining an approved fugitive dust emissions control plan pursuant to Subsection V.D.3.

2. Any person subject to Subsection V.D.1. electing to conduct on-site $PM_{10}$ monitoring and recordkeeping shall take the following actions:

   a. Notify the Control Officer of intent to monitor $PM_{10}$ at least seven days prior to initiating such monitoring. Notification shall contain, at a minimum, the person's name, address, telephone number, brief description and location of the operation(s), and anticipated first date of sampling.

   b. Be responsible for acquisition, calibration and operation of $PM_{10}$ samplers.

   c. Collect samples on four separate days during each calendar quarter. Sampling shall be conducted during typical operations, and during prevailing wind direction conditions. All other provisions of this Rule shall continue to be applicable on days when monitoring is not conducted.

   d. Collect samples on four additional days during one calendar quarter if requested by the Control Officer based on receipt of complaints from the public, visible dust emissions, or other determinations by District personnel indicating violations of conditions specified in Subsection V. C. may be occurring. Each sampling day shall be conducted during typical operations, and during prevailing wind direction conditions.

   e. Conduct laboratory analyses in accordance with 40 CFR, Part 50, Appendix J, for all samples collected as required by Subsections V.D.2.c and V.D.2.d.

   f. Compile and submit records to the District on a quarterly basis, not later than 30 days after the end of each calendar quarter. Such records shall include:

      1) Brief description and location of the operation(s);

      2) Hours of active operations on days when particulate sampling occurred;

      3) Location, vendor, model, and serial number of $PM_{10}$ samplers used on each sampling day;

      4) Date, start and end times of all $PM_{10}$ sampling;

5) Laboratory results (measured ambient concentrations) of all $PM_{10}$ samples;

6) List of consultants, laboratories, and other groups of individuals responsible for collection, analysis, evaluation and validation of each $PM_{10}$ sample; and

7) Documentation of any maintenance and calibration actions performed on each $PM_{10}$ sampler conducted in accordance with 40 CFR, Part 50, Appendix J.

3. Any person subject to Subsection V.D.1. electing to obtain an approved fugitive dust emissions control plan shall take the following actions:

   a. At least 45 calendar days prior to a calendar quarter during which air monitoring would be conducted in accordance with Subsection V.D.2. submit to the Control Officer a fugitive dust emissions control plan, including at least:

      1) Name(s), address(es), and phone number(s) of person(s) responsible for the preparation, submission, and implementation of the plan;

      2) Description and location of operation(s);

      3) Listing of all fugitive dust emissions sources within property lines;

      4) Description of Reasonably Available Control Measures to be applied to each source identified in Subsection V.D.3.a.3). Such description must be sufficiently detailed to demonstrate Reasonably Available Control Measures will be utilized and/or installed during all periods of active operations.

   b. If there are special technical, e.g. non-economic, circumstances preventing use of Reasonably Available Control Measures for any source identified in Subsection V.D.3.a.3), justification shall be provided in lieu of the description required in Subsection V.D.3.a.4). A justification statement shall explain reason(s) why Reasonably Available Control Measures cannot be implemented.

4. The Control Officer shall either approve, conditionally approve, or disapprove the plan, in writing, within 30 calendar days of receipt of the plan. For a plan to be approved or conditionally approved, three conditions shall be satisfied:

   a. All sources of fugitive dust emissions shall be identified, e.g. earth-moving, storage piles, vehicular traffic on unpaved roads, etc.;

   b. For each source identified, at least one Reasonably Available Control Measure shall be implemented; and

   c. If, after implementation of control measures, visible dust emissions cross property line(s), standby control measures, e.g., increased watering, shall be specified for immediate implementation.

5. If a plan can be conditionally approved with actions not specified in the plan, the applicant shall be notified in writing. Such modifications shall be incorporated into the plan within 30 days of receipt of the notice of conditional approval, or the plan shall be disapproved. A letter to the Control Officer stating such modifications

will be incorporated into the plan shall be used as a basis to approve the plan.

6. Any plan disapproved by the Control Officer shall require air monitoring and recordkeeping in accordance with Subsection V.D.2.

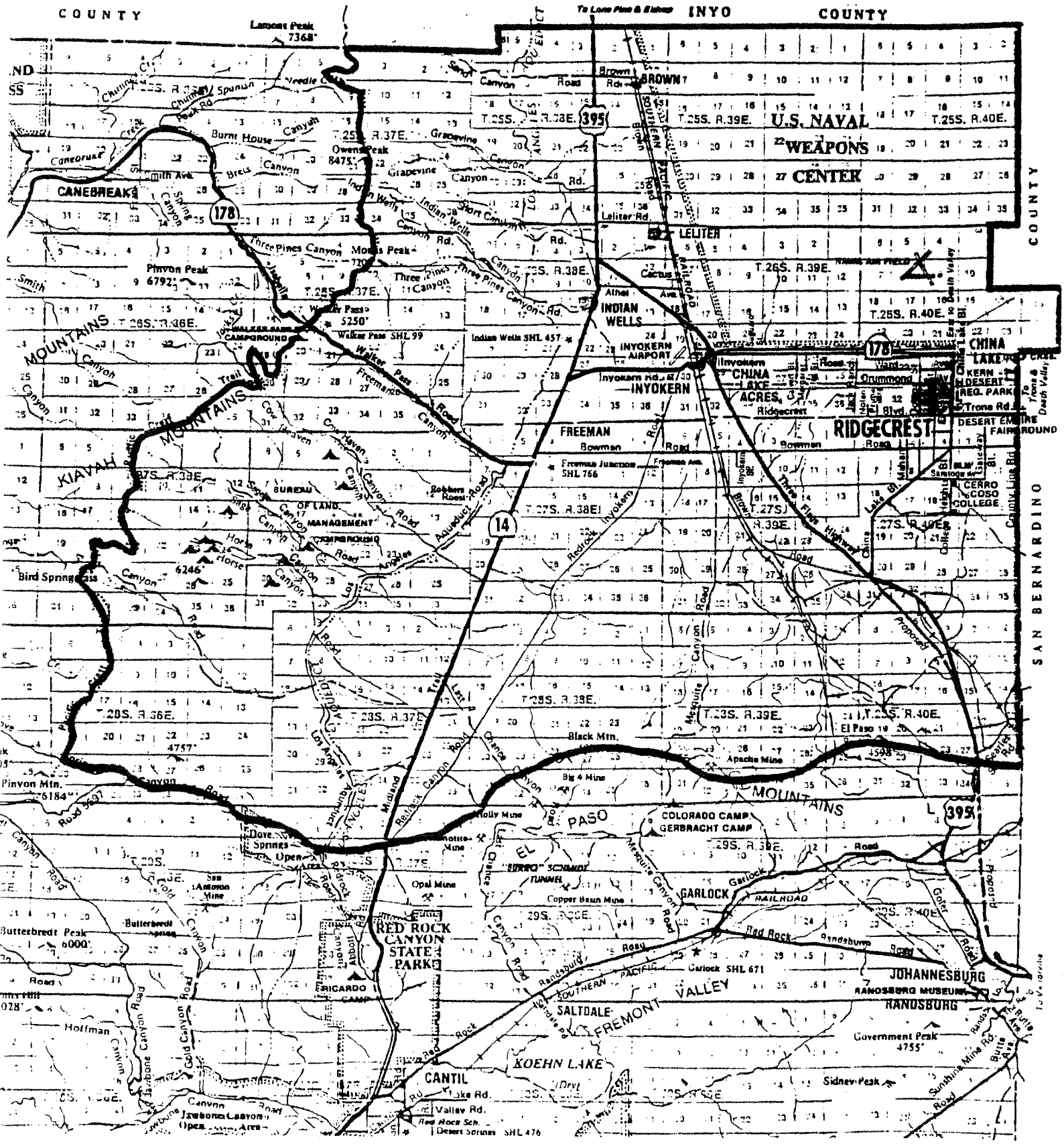
7. Failure to comply with any provisions in an approved or conditionally approved plan shall result in a violation of Subsection V.D.1.

8. An approved plan for a specific project shall be valid for a period of one year from date of approval or conditional approval. Plans shall be resubmitted, annually, at least 60 days prior to expiration date, or the plan shall be disapproved as of the expiration date. If all fugitive dust sources and corresponding Reasonably Available Control Measures or special circumstances remain identical to those identified in the previously approved plan, the resubmittal may contain a simple statement of "no-change". Otherwise a resubmittal shall contain all items specified in Subsections V.D.3.a.and V.D.3.b.

9. A contractor may have on file with the District a pre-approved plan or plans for one or more types of large projects subject to Subsection V.D.3. Prior to initiation of any project, one or more applicable pre-approved plans may be specified by the contractor in lieu of filing a new plan or plans.

10. Any person subject to requirements of Subsection V.D.1. making changes to an active operation resulting in it not fitting the definition for a large operation for a period of at least one year, may request reclassification as a non-large operation. To obtain this reclassification, a person shall submit a request in writing to the Control Officer specifying actions having taken place to reduce disturbed surface area and/or earth-moving process rate to levels below criteria for large operations. A person shall also indicate criteria for a large operation will not to be exceeded during the subsequent 12-month period. The Control Officer shall either approve or disapprove reclassification within 60 days from receipt of a reclassification request. The Control Officer shall disapprove the request if indicated changes cannot be verified. If approved, a person shall be relieved of all requirements under Subsections V.D.1, V.D.2, and V.D.3. Any person so reclassified shall again be subject to requirements of Subsection V.D.1. if, at any time subsequent to reclassification, criteria for large operations are met.

KERN COUNTY PORTION OF SEARLES VALLEY
PLANNING AREA (18090205)



# APPENDIX B

## AIR QUALITY DATA

## Kern County APCD

## China Lake-Powerline Road $PM_{10}$ Monitoring Schedule and Data Collected*

| STATION NAME | ARB SITE | Abbrev | Date | Conc |
|---|---|---|---|---|
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/6/99 | 11 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/12/99 | 13 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/18/99 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/24/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/30/99 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/5/99 | 20 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/11/99 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/17/99 | 8 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/23/99 | |
| **China Lake-Powerline Road** | **1500211** | **$PM_{10}$** | **2/25/99** | **10** |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/1/99 | 8 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/7/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/13/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/19/99 | 13 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/25/99 | 27 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/31/99 | 6 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/6/99 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/12/99 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/18/99 | 11 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/24/99 | 6 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/30/99 | 4 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/6/99 | 17 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/12/99 | 21 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/18/99 | 21 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/24/99 | 17 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/30/99 | 14 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/5/99 | 14 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/11/99 | 23 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/17/99 | 19 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/23/99 | 28 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/29/99 | 24 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/5/99 | 15 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/11/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/17/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/23/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/29/99 | 20 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/4/99 | 17 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/10/99 | 18 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/16/99 | 18 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/22/99 | 19 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/28/99 | |

*BOLD ENTRIES ARE MAKEUP RUNS - ITALICS ENTRIES ARE EXTRA RUNS

| STATION NAME | ARB SITE | Abbrev | Date | Conc |
|---|---|---|---|---|
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/3/99 | 24 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/9/99 | 22 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/15/99 | 17 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/21/99 | 18 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/27/99 | 23 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/3/99 | 18 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/9/99 | 12 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/15/99 | 23 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/21/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/27/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/2/99 | 17 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/8/99 | 8 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/14/99 | 19 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/20/99 | 18 |
| *China Lake-Powerline Road* | *1500211* | *$PM_{10}$* | *11/25/99* | *20* |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/26/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/2/99 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/8/99 | 28 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/14/99 | 12 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/20/99 | 13 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/26/99 | 5 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/1/00 | 38 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/7/00 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/13/00 | 6 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/19/00 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/25/00 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/31/00 | 5 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/6/00 | 7 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/12/00 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/18/00 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/24/00 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/1/00 | 4 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/7/00 | 6 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/13/00 | 6 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/19/00 | 53 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/25/00 | 12 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/31/00 | 17 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/6/00 | 12 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/12/00 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/18/00 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/24/00 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/30/00 | 13 |
| *China Lake-Powerline Road* | *1500211* | *$PM_{10}$* | *5/2/00* | *17* |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/6/00 | 16 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/12/00 | 9 |

***BOLD ENTRIES ARE MAKEUP RUNS - ITALICS ENTRIES ARE EXTRA RUNS**

| STATION NAME | ARB SITE | Abbrev | Date | Conc |
|---|---|---|---|---|
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/18/00 | 12 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/24/00 | 24 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/30/00 | 18 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/5/00 | 12 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/11/00 | 13 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/17/00 | 34 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/23/00 | 18 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/29/00 | 19 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/5/00 | 11 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/11/00 | 20 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/17/00 | 10 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/23/00 | 18 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/29/00 | 30 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/4/00 | 21 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/10/00 | 12 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/16/00 | 19 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/22/00 | 19 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/28/00 | 25 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/3/00 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/9/00 | 17 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/15/00 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/21/00 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/27/00 | 17 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/3/00 | 17 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/9/00 | 20 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/15/00 | 12 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/21/00 | 20 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/27/00 | 8 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/2/00 | 11 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/8/00 | 7 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/14/00 | 14 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/20/00 | 19 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/26/00 | 19 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/2/00 | 18 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/8/00 | 9 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/14/00 | 7 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/20/00 | 21 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/26/00 | 8 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/1/01 | 15 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/7/01 | 13 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/13/01 | 7 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/19/01 | 8 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/25/01 | 4 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 1/31/01 | 4 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/6/01 | |

***BOLD ENTRIES ARE MAKEUP RUNS - ITALICS ENTRIES ARE EXTRA RUNS**

| STATION NAME | ARB SITE | Abbrev | Date | Conc |
|---|---|---|---|---|
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/12/01 | 1 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/18/01 | 6 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 2/24/01 | 3 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/2/01 | 8 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/8/01 | 5 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/14/01 | 10 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/20/01 | |
| **China Lake-Powerline Road** | **1500211** | **$PM_{10}$** | **3/22/01** | **11** |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 3/26/01 | 9 |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/1/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/7/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/13/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/19/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 4/25/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/1/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/7/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/13/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/19/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/25/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 5/31/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/6/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/12/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/18/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/24/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 6/30/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/6/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/12/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/18/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/24/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 7/30/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/5/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/11/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/17/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/23/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 8/29/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/4/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/10/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/16/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/22/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 9/28/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/5/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/11/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/17/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/23/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 10/29/01 | |

***BOLD ENTRIES ARE MAKEUP RUNS - ITALICS ENTRIES ARE EXTRA RUNS**

| STATION NAME | ARB SITE | Abbrev | Date | Conc |
|---|---|---|---|---|
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/4/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/10/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/16/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/22/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 11/28/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/4/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/10/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/16/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/22/01 | |
| China Lake-Powerline Road | 1500211 | $PM_{10}$ | 12/28/01 | |
| | | | | |

*BOLD ENTRIES ARE MAKEUP RUNS - ITALICS ENTRIES ARE EXTRA RUNS

**Kern County APCD**
**Ridgecrest - 100 West California Avenue***
(Monitor First Operated In January of 2000)

| STATION NAME | ARB SITE | Abbrev | Date | Conc |
|---|---|---|---|---|
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/1/0 | 90.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/7/0 | 45.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/13/0 | 23.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/19/0 | 6.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/25/0 | 3.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/31/0 | 7.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 2/6/0 | 17.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 2/12/0 | 3.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 2/18/0 | 8.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 2/24/0 | 3.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/1/0 | 9.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/7/0 | 8.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/13/0 | 11.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/19/0 | 17.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/25/0 | 18.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/31/0 | 30.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/6/0 | 18.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/12/0 | 21.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/18/0 | 5.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/24/0 | 20.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/30/0 | 20.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/6/0 | 20.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/12/0 | 17.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/18/0 | 17.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/24/0 | 24.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/30/0 | 19.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/5/0 | 17.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/11/0 | 15.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/17/0 | 3.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/23/0 | 26.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/29/0 | 23.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/5/0 | 17.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/11/0 | 25.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/17/0 | 13.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/23/0 | 22.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/29/0 | 35.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/4/0 | 27.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/10/0 | 17.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/16/0 | 23.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/22/0 | 25.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/28/0 | 31.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/3/0 | 13.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/9/0 | 23.0 |

*BOLD ENTRIES ARE MAKEUP RUNS - ITALICS ENTRIES ARE EXTRA RUNS

| STATION NAME | ARB SITE | Abbrev | Date | Conc |
|---|---|---|---|---|
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/15/0 | 0.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/21/0 | 37.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/27/0 | 28.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/3/0 | 23.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/9/0 | 30.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/15/0 | 24.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/21/0 | 24.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/27/0 | 9.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/2/0 | 18.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/8/0 | 21.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/14/0 | 18.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/20/0 | 48.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/26/0 | 34.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | *11/28/0* | *33.0* |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/2/0 | 40.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/8/0 | 18.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/14/0 | 8.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/20/0 | 52.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/26/0 | 23.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/1/1 | 38.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/7/1 | 41.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/13/1 | 13.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/19/1 | 23.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/25/1 | 3.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 1/31/1 | 11.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 2/6/1 | 14.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 2/12/1 | 1.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 2/18/1 | 9.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 2/24/1 | 3.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/2/1 | 6.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/8/1 | 0.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/14/1 | 13.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | *3/17/1* | *14.0* |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/20/1 | 12.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 3/26/1 | 16.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/1/1 | 24.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/7/1 | 4.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/13/1 | 46.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/19/1 | 12.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 4/25/1 | 20.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/1/1 | 28.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/7/1 | 30.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/13/1 | 12.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/19/1 | 17.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/25/1 | 32.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 5/31/1 | 22.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/6/1 | 30.0 |

*BOLD ENTRIES ARE MAKEUP RUNS - ITALICS ENTRIES ARE EXTRA RUNS

| STATION NAME | ARB SITE | Abbrev | Date | Conc |
|---|---|---|---|---|
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/12/1 | 17.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/18/1 | 23.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/24/1 | 21.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 6/30/1 | 21.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/6/1 | 11.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/12/1 | 20.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/18/1 | 29.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/24/1 | 22.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 7/30/1 | 21.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/5/1 | 18.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/11/1 | 22.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/17/1 | 24.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/23/1 | 34.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 8/29/1 | 36.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/4/1 | 12.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/10/1 | 27.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/16/1 | 24.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/22/1 | 31.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 9/28/1 | 27.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/4/1 | 32.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/10/1 | 63.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/16/1 | 27.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/22/1 | 29.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 10/28/1 | 24.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/3/1 | 15.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/9/1 | 26.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/15/1 | 10.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/21/1 | 27.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 11/27/1 | 12.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/3/1 | 7.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/9/1 | 21.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/15/1 | 14.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/21/1 | 18.0 |
| Ridgecrest - 100 West California Avenue | 1500253 | $PM_{10}$ | 12/27/1 | 33.0 |

*BOLD ENTRIES ARE MAKEUP RUNS - ITALICS ENTRIES ARE EXTRA RUNS

# APPENDIX C

## EMISSION INVENTORIES

| | KCAPCD | KCAPCD CEFS INVENTORY | | ANNUAL GROWTH RATES | INDIAN WELLS VALLEY PORTION | | |
|---|---|---|---|---|---|---|---|
| **Category** | **Control Factor** | **2001 $PM_{10}$ (TPD)** | **2013 $PM_{10}$ (TPD)** | **ARB** | **Fraction** | **2001 $PM_{10}$ (TPD)** | **2013 $PM_{10}$ (TPD)** |
| Total Point Source Fuel Combustion (KCAPCD) | 0% | 0.26 | 0.49 | 5.25% | 8% | 0.02 | 0.04 |
| Total Mineral Sources (KCAPCD) | 0% | 2.75 | 3.42 | 1.83% | 5% | 0.14 | 0.17 |
| Total Area Sources (KCAPCD) | 0% | 7.23 | 5.64 | -2.04% | 40% | 2.89 | 2.26 |
| Total Construction Emissions (KCAPCD) | 25% | 1.33 | 1.44 | 0.72% | 27% | 0.36 | 0.39 |
| Total Unpaved Road Dust (KCAPCD) | 25% | 7.13 | 7.15 | 0.03% | 13% | 0.93 | 0.93 |
| Total Windblown Dust (KCAPCD) | 15% | 4.92 | 4.35 | -1.02% | 13% | 0.64 | 0.57 |
| Total On Road Mobile (KCAPCD) | 0% | 0.33 | 0.46 | 2.81% | 30.3%/26.1% | 0.10 | 0.12 |
| Total Paved Road Dust (KCAPCD) | 0% | 1.32 | 2.00 | 3.52% | 20.5%/18.1% | 0.27 | 0.36 |
| Total Off Road Mobile (KCAPCD) | 0% | 3.12 | 3.03 | -0.24% | 13% | 0.41 | 0.33 |
| **TOTAL** | | **28.4** | **28.00** | **-0.12%** | --- | **5.75** | **5.18** |
| | | | | | | | |
| **Explanations** | | | | | | | |
| 1) ARB inventory based on Almanac 2001 numbers for 2001 & 2013 (annual average) except for On Road and Off Road Mobile | | | | | | | |
| 2) KCAPCD assumptions for apportionment of the Indian Wells Valley were used by CARB except in two cases: | | | | | | | |
| a) Windblown Dust assumption by KCAPCD was too obscure, CARB uses an area ratio (area of IWV/area of KCAPCD) | | | | | | | |
| b) Off Road Mobile assumption by KCAPCD used VMT, CARB uses an area ratio (area of IWV/area of KCAPCD) | | | | | | | |
| C) Paved Road Dust used an old VMT fraction of 11.3%, CARB uses a revised fraction of 20.5% for 2001 and 18.1% for 2013 | | | | | | | |
| d) On Road Mobile used an old emissions fraction of 11.3%, CARB uses a revised fraction of 30.3% for 2001 and 26.1% for 2013 | | | | | | | |
| 3) KCAPCD assumed only a 0.33% growth for all categories, ARB growth is used instead | | | | | | | |

| AB | DIS | CO | EIC | EIC1N | EICSUMN | EICSOUN | EICMATN | PM10_2001 | PM10_2013 | Growth Parameter (Old) | Growth Parameter (New) | % Growth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MD | KER | 15 | 020-045-0110-0000 | FUEL COMBUSTION | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | 0.0264404 | 0.218053979 | NOGROWTH | CATEGORY22 | 725% |
| MD | KER | 15 | 050-005-0110-0000 | FUEL COMBUSTION | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | 0.0032 | 0.00345152 | MNG-NMTL | SIC 14-135 | 8% |
| MD | KER | 15 | 050-040-1200-0000 | FUEL COMBUSTION | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | 0.0447984 | 0.055675452 | MNG-NMTL | SIC 14-out | 24% |
| MD | KER | 15 | 050-070-0110-0000 | FUEL COMBUSTION | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | 0.105 | 0.113253 | MNG-NMTL | SIC 14-135 | 8% |
| MD | KER | 15 | 050-995-1220-0000 | FUEL COMBUSTION | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | 0.02196 | 0.032109912 | MFG-TOTL | SIC 20-39131 | 46% |
| MD | KER | 15 | 060-005-0110-0000 | FUEL COMBUSTION | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | 0.0028 | 0.00268968 | GOV -EMP | SIC 91-97C5 | -4% |
| MD | KER | 15 | 060-005-0124-0000 | FUEL COMBUSTION | SERVICE AND COMMERCIAL | BOILERS | PROPANE | 0.0001 | 0.00008738 | GOV -EMP | FED MIL-C3 | -13% |
| MD | KER | 15 | 060-005-1220-0000 | FUEL COMBUSTION | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | 0.0001952 | 0.000137187 | GOV -EMP | FED MIL-C2 | -30% |
| MD | KER | 15 | 060-040-0110-0000 | FUEL COMBUSTION | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | 0.002485 | 0.003147501 | TOTAL-CO-EMP | SIC 494+out | 27% |
| MD | KER | 15 | 060-040-1200-0000 | FUEL COMBUSTION | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | 0.0050752 | 0.003566851 | GOV -EMP | FED MIL-C2 | -30% |
| MD | KER | 15 | 060-045-1400-0000 | FUEL COMBUSTION | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | 0.0038054 | 0.003999004 | GOV -EMP | FED MIL-out | 5% |
| MD | KER | 15 | 060-045-1412-0000 | FUEL COMBUSTION | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | 0.0032208 | 0.003383772 | GOV -EMP | FED MIL-out | 5% |
| MD | KER | 15 | 060-995-0110-0000 | FUEL COMBUSTION | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | 0.0205 | 0.0228698 | SERVICES-EMP | CATEGORY33 | 12% |
| MD | KER | 15 | 060-995-1500-0000 | FUEL COMBUSTION | SERVICE AND COMMERCIAL | OTHER | RESIDUAL OIL (UNSPECIFIED) | 0.000435 | 0.000464145 | SERVICES-EMP | SIC 70-89C7 | 7% |
| MD | KER | 15 | 099-995-0000-0000 | FUEL COMBUSTION | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | 0.0050438 | 0.005299016 | GOV -EMP | FED MIL-out | 5% |
| MD | KER | 15 | 099-995-1400-0000 | FUEL COMBUSTION | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | 0.0192272 | 0.020200096 | GOV -EMP | FED MIL-out | 5% |
| MD | KER | 15 | 130-130-0240-0000 | WASTE DISPOSAL | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | 0.00009 | 0.000094554 | GOV -EMP | FED MIL-out | 5% |
| | | | | | | | **Total Point Source Fuel Combustion (KCAPCD)** | **0.2643774** | **0.488482848** | | | **85%** |
| MD | KER | 15 | 430-422-7079-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | 0.0241 | 0.02995148 | MFG-MNRL | SIC 14-out | 24% |
| MD | KER | 15 | 430-424-7066-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | 0.01164 | 0.0152494 | MFG-PET | SIC 295&9out | 31% |
| MD | KER | 15 | 430-426-7076-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGR | SAND/AGGREGATE | 0.00245 | 0.00304486 | MFG-MNRL | SIC 14-out | 24% |
| MD | KER | 15 | 430-429-7016-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | 0.677694 | 0.843593491 | MFG-MNRL | CATEGORY38 | 24% |
| MD | KER | 15 | 430-429-7023-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | 0.22126 | 0.275070432 | MFG-MNRL | SIC 324-out | 24% |
| MD | KER | 15 | 430-430-7018-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | 0.003312 | 0.004152586 | MFG-MNRL | SIC 327-out | 25% |
| MD | KER | 15 | 430-436-7016-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | STORAGE PILES | CEMENT | 0.196628 | 0.13255993 | MFG-MNRL | SIC 324-out | 24% |
| MD | KER | 15 | 430-436-7023-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | STORAGE PILES | CLINKER | 0.168912 | 0.209991398 | MFG-MNRL | SIC 324-out | 24% |
| MD | KER | 15 | 430-436-7072-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | STORAGE PILES | POTASH | 0.01505 | 0.01870414 | MNG-NMTL | SIC 14-out | 24% |
| MD | KER | 15 | 430-995-7064-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | 1.13665 | 1.41262662 | MNG-NMTL | SIC 14-out | 24% |
| MD | KER | 15 | 430-995-7072-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | OTHER | POTASH | 0.37765 | 0.46934342 | MNG-NMTL | SIC 14-out | 24% |
| MD | KER | 15 | 430-995-7079-0000 | INDUSTRIAL PROCESSES | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | 0.00125 | 0.00180325 | WHOLESAL-EMP | SIC 50&1-out | 44% |
| MD | KER | 15 | 440-440-7000-0000 | INDUSTRIAL PROCESSES | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | 0.00616 | 0.00616 | MFG-METL | SIC 334&9out | 0% |
| | | | | | | | **Total Mineral Sources (KCAPCD)** | **2.752758** | **3.422252087** | | | **24%** |
| MD | KER | 15 | 610-600-0230-0000 | MISCELLANEOUS PROCESSES | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | 0.134266 | 0.134776211 | DWELLUNT | HOUS AEO R4 | 0% |
| MD | KER | 15 | 610-602-0230-0000 | MISCELLANEOUS PROCESSES | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | 0.209066 | 0.229178149 | DWELLUNT | CATEGORY09 | 10% |
| MD | KER | 15 | 610-606-0110-0000 | MISCELLANEOUS PROCESSES | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | 0.0099 | 0.0091476 | DWELLUNT | CATEGORY10 | -8% |
| MD | KER | 15 | 610-608-0110-0000 | MISCELLANEOUS PROCESSES | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | 0.0071 | 0.00778444 | DWELLUNT | CATEGORY11 | 10% |
| MD | KER | 15 | 610-610-0110-0000 | MISCELLANEOUS PROCESSES | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | 0.0005 | 0.0005213 | DWELLUNT | HOUS AEO R3 | 4% |
| MD | KER | 15 | 610-995-0110-0000 | MISCELLANEOUS PROCESSES | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | 0.0014 | 0.00145964 | DWELLUNT | HOUS AEO R3 | 4% |
| MD | KER | 15 | 610-995-0120-0000 | MISCELLANEOUS PROCESSES | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | 0.0005 | 0.000456 | DWELLUNT | HOUS AEO R2 | -8% |
| MD | KER | 15 | 620-614-5400-0000 | MISCELLANEOUS PROCESSES | FARMING OPERATIONS | TILLING DUST | DUST | 5.47649564 | 3.952934553 | AG-PROD -EMP | CATEGORY12 | -28% |
| MD | KER | 15 | 620-615-5400-0000 | MISCELLANEOUS PROCESSES | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | 1.34250193 | 1.249600796 | AG-PROD -EMP | CATEGORY19 | -7% |
| MD | KER | 15 | 660-656-0200-0000 | MISCELLANEOUS PROCESSES | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | 0.001568 | 0.001718214 | FIRES-ST | HOUSINGUNITS | 10% |
| MD | KER | 15 | 660-658-0200-0000 | MISCELLANEOUS PROCESSES | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | 0.00186675 | 0.002053425 | POP-DOF | POPULATION | 10% |
| MD | KER | 15 | 670-662-0262-0000 | MISCELLANEOUS PROCESSES | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | 0.00049175 | 0.00049175 | AG-PROD -EMP | CATEGORY44 | 0% |
| MD | KER | 15 | 670-664-0200-0000 | MISCELLANEOUS PROCESSES | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | 0.00029475 | 0.000277537 | AG-STOCK-EMP | CATEGORY45 | -6% |
| MD | KER | 15 | 690-680-6000-0000 | MISCELLANEOUS PROCESSES | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED) | 0.04235 | 0.05125197 | MFG-FOOD | CATEGORY49 | 21% |
| | | | | | | | **Total Area Sources (KCAPCD)** | **7.22830882** | **5.841655585** | | | **-22%** |
| MD | KER | 15 | 630-622-5400-0000 | MISCELLANEOUS PROCESSES | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | 0.39574584 | 0.454395373 | CONSTRUC-EMP | CATEGORY14 | 15% |
| MD | KER | 15 | 630-624-5400-0000 | MISCELLANEOUS PROCESSES | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | 0.15202551 | 0.174646906 | CONSTRUC-EMP | CATEGORY15 | 15% |
| MD | KER | 15 | 630-626-5400-0000 | MISCELLANEOUS PROCESSES | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | 0.03752931 | 0.039901162 | CONSTRUC-EMP | SIC 15-17emp | 6% |
| MD | KER | 15 | 630-628-5400-0000 | MISCELLANEOUS PROCESSES | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | 0.17737125 | 0.188581113 | CONSTRUC-EMP | SIC 15-17emp | 6% |
| MD | KER | 15 | 630-634-5400-0000 | MISCELLANEOUS PROCESSES | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | 1.00556043 | 1.069111849 | CONSTRUC-EMP | SIC 15-17emp | 6% |
| | | | | | | | **Total Construction Emissions (KCAPCD)** | **1.76823234** | **1.926636404** | | | **9%** |
| MD | KER | 15 | 645-638-5400-0000 | MISCELLANEOUS PROCESSES | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROA | DUST | 2.86910211 | 2.86910211 | VMT-TOTL | CATEGORY17 | 0% |
| MD | KER | 15 | 645-640-5400-0000 | MISCELLANEOUS PROCESSES | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PAR | DUST | 2.56654398 | 2.823196378 | VMT-TOTL | CATEGORY18 | 10% |
| MD | KER | 15 | 645-644-5400-0000 | MISCELLANEOUS PROCESSES | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- S.L.M. ROADS | DUST | 0.32793474 | 0.360728214 | VMT-TOTL | CATEGORY18 | 10% |
| MD | KER | 15 | 645-646-5400-0000 | MISCELLANEOUS PROCESSES | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | 3.74504088 | 3.485984051 | AG-FARM -EMP | CATEGORY19 | -7% |
| | | | | | | | **Total Unpaved Road Dust (KCAPCD)** | **9.50852171** | **9.538912753** | | | **0%** |
| MD | KER | 15 | 650-650-5400-0000 | MISCELLANEOUS PROCESSES | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | 5.48235611 | 4.811315722 | AG-PROD -EMP | CATEGORY20 | -12% |
| MD | KER | 15 | 650-652-5400-0000 | MISCELLANEOUS PROCESSES | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | 0.309036 | 0.309036 | NOGROWTH | CATEGORY21 | 0% |
| | | | | | | | **Total Windblown Dust (KCAPCD)** | **5.79139211** | **5.120351722** | | | **-12%** |
| MD | KER | 15 | 710-701-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 710-706-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0.0009 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 710-718-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 710-720-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 710-731-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0.00097 | 0.00194 | #N/A | #N/A | 100% |
| MD | KER | 15 | 710-734-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0.01164 | 0.01649 | #N/A | #N/A | 42% |
| MD | KER | 15 | 710-744-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | CATALYST TIRE WEAR | RUBBER TIRES | 0.009 | 0.012 | #N/A | #N/A | 33% |
| MD | KER | 15 | 710-746-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | CATALYST BRAKE WEAR | BRAKE DUST | 0.01372 | 0.0196 | #N/A | #N/A | 43% |
| MD | KER | 15 | 710-761-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 710-764-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0.001 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 710-766-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 710-768-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY PASSENGER (LDA) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 722-701-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 722-706-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0.0009 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 722-718-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 722-720-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 722-731-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 722-734-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0.00398 | 0.00485 | #N/A | #N/A | 25% |
| MD | KER | 15 | 722-744-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | CATALYST TIRE WEAR | RUBBER TIRES | 0.002 | 0.003 | #N/A | #N/A | 50% |
| MD | KER | 15 | 722-746-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | CATALYST BRAKE WEAR | BRAKE DUST | 0.00294 | 0.0049 | #N/A | #N/A | 67% |
| MD | KER | 15 | 722-761-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 722-764-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 722-766-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 722-768-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 1 (LDT1) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 723-701-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 723-706-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 723-718-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 723-720-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 723-731-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0.00097 | 0.00194 | #N/A | #N/A | 100% |
| MD | KER | 15 | 723-734-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0.00873 | 0.01455 | #N/A | #N/A | 67% |
| MD | KER | 15 | 723-744-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | CATALYST TIRE WEAR | RUBBER TIRES | 0.008 | 0.01 | #N/A | #N/A | 25% |
| MD | KER | 15 | 723-746-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | CATALYST BRAKE WEAR | BRAKE DUST | 0.01176 | 0.01568 | #N/A | #N/A | 33% |
| MD | KER | 15 | 723-761-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 723-764-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 723-766-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 723-768-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT DUTY TRUCKS - 2 (LDT2) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 724-701-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 724-706-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0.0009 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 724-718-0248-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 724-720-5410-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 724-731-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0.00097 | #N/A | #N/A | #DIV/0! |
| MD | KER | 15 | 724-734-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0.00388 | 0.00679 | #N/A | #N/A | 75% |
| MD | KER | 15 | 724-744-0248-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | CATALYST TIRE WEAR | RUBBER TIRES | 0.003 | 0.005 | #N/A | #N/A | 67% |
| MD | KER | 15 | 724-746-5410-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | CATALYST BRAKE WEAR | BRAKE DUST | 0.0049 | 0.00784 | #N/A | #N/A | 60% |
| MD | KER | 15 | 724-761-1210-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 724-764-1210-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0.002 | 0.001 | #N/A | #N/A | -50% |
| MD | KER | 15 | 724-766-0248-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 724-768-5410-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM DUTY TRUCKS (MDV) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |

| AB | DIS | CO | EIC | EIC1N | EICSUMN | EICSOUN | EICMATN | PM10_2001 | PM10_2013 | Growth Parameter (Old) | Growth Parameter (New) | % Growth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MD | KER | 15 | 732-701-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 732-706-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 732-707-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | NON-CATALYST IDLE EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 732-718-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 732-720-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 732-731-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 732-734-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0.00097 | 0.00097 | #N/A | #N/A | 0% |
| MD | KER | 15 | 732-735-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | CATALYST IDLE EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 732-744-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0.001 | #N/A | #N/A | #DIV/0! |
| MD | KER | 15 | 732-746-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1) | CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0.00099 | #N/A | #N/A | #DIV/0! |
| MD | KER | 15 | 733-701-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 733-706-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 733-707-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | NON-CATALYST IDLE EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 733-718-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 733-720-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 733-731-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 733-734-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 733-735-1100-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | CATALYST IDLE EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 733-744-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 733-746-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2) | CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-701-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-706-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-707-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | NON-CATALYST IDLE EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-718-0248-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-720-5410-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-731-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-734-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-735-1100-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | CATALYST IDLE EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-744-0248-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 734-746-5410-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY GAS TRUCKS (MHDV) | CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-701-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-706-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-707-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | NON-CATALYST IDLE EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-718-0248-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-720-5410-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-731-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-734-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-735-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | CATALYST IDLE EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-744-0248-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 736-746-5410-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY GAS TRUCKS (HHDV) | CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 742-761-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 742-764-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0 | 0.001 | #N/A | #N/A | #DIV/0! |
| MD | KER | 15 | 742-765-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1) | DIESEL IDLE EXHAUST | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 742-766-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 742-768-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 743-761-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 743-764-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0.001 | 0.001 | #N/A | #N/A | 0% |
| MD | KER | 15 | 743-765-1210-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2) | DIESEL IDLE EXHAUST | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 743-766-0248-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 743-768-5410-0000 | ON-ROAD MOTOR VEHICLES | LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 744-761-1210-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 744-764-1210-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0.004 | 0.005 | #N/A | #N/A | 25% |
| MD | KER | 15 | 744-765-1210-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV) | DIESEL IDLE EXHAUST | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 744-766-0248-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 744-768-5410-0000 | ON-ROAD MOTOR VEHICLES | MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 746-761-1210-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 746-764-1210-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0.016 | 0.011 | #N/A | #N/A | -31% |
| MD | KER | 15 | 746-765-1210-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV) | DIESEL IDLE EXHAUST | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 746-766-0248-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV) | DIESEL TIRE WEAR | RUBBER TIRES | 0.001 | 0.001 | #N/A | #N/A | 0% |
| MD | KER | 15 | 746-768-5410-0000 | ON-ROAD MOTOR VEHICLES | HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 750-701-1100-0000 | ON-ROAD MOTOR VEHICLES | MOTORCYCLES (MCY) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 750-706-1100-0000 | ON-ROAD MOTOR VEHICLES | MOTORCYCLES (MCY) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0.0009 | 0.0009 | #N/A | #N/A | 0% |
| MD | KER | 15 | 750-718-0248-0000 | ON-ROAD MOTOR VEHICLES | MOTORCYCLES (MCY) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 750-720-5410-0000 | ON-ROAD MOTOR VEHICLES | MOTORCYCLES (MCY) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 750-731-1100-0000 | ON-ROAD MOTOR VEHICLES | MOTORCYCLES (MCY) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 750-734-1100-0000 | ON-ROAD MOTOR VEHICLES | MOTORCYCLES (MCY) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 750-744-0248-0000 | ON-ROAD MOTOR VEHICLES | MOTORCYCLES (MCY) | CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 750-746-5410-0000 | ON-ROAD MOTOR VEHICLES | MOTORCYCLES (MCY) | CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 760-761-1210-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY DIESEL URBAN BUSES (UB) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 760-764-1210-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY DIESEL URBAN BUSES (UB) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 760-766-0248-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY DIESEL URBAN BUSES (UB) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 760-768-5410-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY DIESEL URBAN BUSES (UB) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 762-701-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY GAS URBAN BUSES (UB) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 762-706-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY GAS URBAN BUSES (UB) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 762-718-0248-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY GAS URBAN BUSES (UB) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 762-720-5410-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY GAS URBAN BUSES (UB) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 762-731-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY GAS URBAN BUSES (UB) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 762-734-1100-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY GAS URBAN BUSES (UB) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 762-744-0248-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY GAS URBAN BUSES (UB) | CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 762-746-5410-0000 | ON-ROAD MOTOR VEHICLES | HEAVY DUTY GAS URBAN BUSES (UB) | CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-701-1100-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-706-1100-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-718-0248-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-720-5410-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-731-1100-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-734-1100-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-744-0248-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-746-5410-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-761-1210-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-764-1210-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0.001 | 0.001 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-766-0248-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 770-768-5410-0000 | ON-ROAD MOTOR VEHICLES | SCHOOL BUSES (SB) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-701-1100-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | NON-CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-706-1100-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | NON-CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-718-0248-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | NON-CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-720-5410-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | NON-CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-731-1100-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | CATALYST STARTS | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-734-1100-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | CATALYST HOT STABILIZED EXHAUST | GASOLINE (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-744-0248-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | CATALYST TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-746-5410-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | CATALYST BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-761-1210-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | DIESEL STARTS | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-764-1210-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | DIESEL HOT STABILIZED EXHAUST | DIESEL (UNSPECIFIED) | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-766-0248-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | DIESEL TIRE WEAR | RUBBER TIRES | 0 | 0 | #N/A | #N/A | 0% |
| MD | KER | 15 | 780-768-5410-0000 | ON-ROAD MOTOR VEHICLES | MOTOR HOMES (MH) | DIESEL BRAKE WEAR | BRAKE DUST | 0 | 0 | #N/A | #N/A | 0% |
| | | | | | | | **Total On-Road Mobile (KCAPCD)** | **0.33** | **0.46** | | | **39%** |
| MD | KER | 15 | 640-635-5400-0000 | MISCELLANEOUS PROCESSES | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | 0.18301716 | 0.277270997 | VMT-TOTL | ON-ROAD_VMT | 52% |
| MD | KER | 15 | 640-637-5400-0000 | MISCELLANEOUS PROCESSES | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | 0.65772792 | 0.996457799 | VMT-TOTL | ON-ROAD_VMT | 52% |
| MD | KER | 15 | 640-639-5400-0000 | MISCELLANEOUS PROCESSES | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | 0.11237976 | 0.170255336 | VMT-TOTL | ON-ROAD_VMT | 52% |
| MD | KER | 15 | 640-641-5400-0000 | MISCELLANEOUS PROCESSES | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | 0.36937188 | 0.559598398 | VMT-TOTL | ON-ROAD_VMT | 52% |

| AB | DIS | CO | EIC | EIC1N | EICSUMN | EICSOUN | EICMATN | PM10_2001 | PM10_2013 | Growth Parameter (Old) | Growth Parameter (New) | % Growth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | **Total Paved Road Dust (KCAPCD)** | 1.32249872 | 2.003582531 | | | 52% |
| MD | KER | 15 | 810-808-1400-0000 | OTHER MOBILE SOURCES | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | 2.8042432 | 2.8042432 | #N/A | #N/A | 0% |
| MD | KER | 15 | 820-820-1210-0000 | OTHER MOBILE SOURCES | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | 0.0605 | 0.0602 | #N/A | #N/A | 0% |
| MD | KER | 15 | 840, 860, 870 | OFFROAD MODEL | | | | 0.252833329 | 0.1631 | #N/A | #N/A | -35% |
| MD | KER | 15 | 850-876-1100-0000 | OTHER MOBILE SOURCES | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | 0.00072 | 0.0009 | #N/A | #N/A | 25% |
| | | | | | | | **Total Off-Road Mobile (KCAPCD)** | **3.118296529** | **3.0284432** | | | **-3%** |

| Year | SCC | SIC | EIC | EIC Summary Category Name | EIC Source Name | EIC Material Name | Growth Parameter | Growth Factor(baseyear 2000) | Control Factor(baseyear 2000) | PM(tpd) | PM10(tpd) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1 | 1 | 0.0037 | 0.0037 |
| 2000 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1 | 1 | 0.0004 | 0.000348 |
| 2000 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 1 | 1 | 0.0032 | 0.002784 |
| 2000 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 1 | 1 | 0.0002 | 0.0001952 |
| 2000 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 1 | 1 | 0.0022 | 0.0022 |
| 2000 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 1 | 1 | 0.0006 | 0.0006 |
| 2000 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 1 | 1 | 0.0001 | 0.0001 |
| 2000 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1 | 1 | 0.0524 | 0.0511424 |
| 2000 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 1 | 1 | 0.0006 | 0.0005856 |
| 2000 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 1 | 1 | 0.0032 | 0.0031232 |
| 2000 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 1 | 1 | 0.0002 | 0.0001952 |
| 2000 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 1 | 1 | 0.0266 | 0.0264404 |
| 2000 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 1 | 1 | 0.0002 | 0.0001952 |
| 2000 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 1 | 1 | 0.0035 | 0.003416 |
| 2000 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1 | 1 | 0.0026 | 0.0025844 |
| 2000 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1 | 1 | 0.0039 | 0.0037068 |
| 2000 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&9out | 1 | 1 | 0.0016 | 0.00064 |
| 2000 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1 | 1 | 0.5152 | 0.473984 |
| 2000 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1 | 1 | 0.0003 | 0.000276 |
| 2000 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1 | 1 | 0.1197 | 0.110124 |
| 2000 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1 | 1 | 0.0006 | 0.000552 |
| 2000 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1 | 1 | 0.0006 | 0.000552 |
| 2000 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1 | 1 | 0.0003 | 0.000276 |
| 2000 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1 | 1 | 0.0003 | 0.00015 |
| 2000 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1 | 1 | 0.1237 | 0.113804 |
| 2000 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1 | 1 | 0.1896 | 0.174432 |
| 2000 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1 | 1 | 0.0739 | 0.067988 |
| 2000 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1 | 1 | 0.0509 | 0.046828 |
| 2000 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1 | 1 | 0.073 | 0.06716 |
| 2000 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1 | 1 | 0.0027 | 0.00135 |
| 2000 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1 | 1 | 9.5049 | 0.30245 |
| 2000 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1 | 1 | 0.2853 | 0.14265 |
| 2000 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1 | 1 | 0.1053 | 0.05265 |
| 2000 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1 | 1 | 0.0297 | 0.01485 |
| 2000 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1 | 1 | 0.7175 | 0.3589 |
| 2000 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1 | 1 | 1.9931 | 0.99655 |
| 2000 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1 | 1 | 0.0013 | 0.00065 |
| 2000 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1 | 1 | 0.0344 | 0.0172 |
| 2000 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1 | 1 | 0.0141 | 0.00705 |
| 2000 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1 | 1 | 0.0023 | 0.00115 |
| 2000 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1 | 1 | 0.0174 | 0.0087 |
| 2000 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1 | 1 | 0.0021 | 0.00105 |
| 2000 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1 | 1 | 0.0026 | 0.0013 |
| 2000 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1 | 1 | 0.1195 | 0.1195 |
| 2000 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 1 | 1 | 0.0003 | 0.00009 |
| 2000 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1 | 1 | 0.0195 | 0.019032 |
| 2000 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1 | 1 | 0.0236 | 0.0230336 |
| 2000 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1 | 1 | 0.0192 | 0.0192 |
| 2000 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1 | 1 | 0.0542 | 0.0271 |
| 2000 | 430-424-0000-0000 | 430-424-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&9out | 1 | 1 | 0.0281 | 0.01124 |
| 2000 | 430-426-0000-0000 | 430-426-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD | SAND/AGGREGATE | SIC_14-out | 1 | 1 | 0.0056 | 0.0028 |
| 2000 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1 | 1 | 0.0038 | 0.003496 |
| 2000 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&9out | 1 | 1 | 0.0079 | 0.00553 |
| 2000 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1 | 1 | 0.1299 | 0.1214565 |
| 2000 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1 | 1 | 0.2075 | 0.1940125 |
| 2000 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 1 | 1 | 0.0086 | 0.0086 |
| 2000 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1 | 1 | 0.0065 | 0.0065 |
| 2000 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1 | 1 | 0.0005 | 0.0005 |
| 2000 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1 | 1 | 0.0014 | 0.0014 |
| 2000 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 1 | 1 | 0.0006 | 0.0006 |
| 2000 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 1 | 1 | 10.9894 | 4.99248442 |
| 2000 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 1 | 1 | 2.8027 | 1.27326661 |
| 2000 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1 | 1 | 0.815 | 0.3987795 |
| 2000 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1 | 1 | 0.306 | 0.1497258 |
| 2000 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1 | 1 | 0.0734 | 0.03591462 |
| 2000 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1 | 1 | 0.3474 | 0.16998282 |
| 2000 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1 | 1 | 1.9701 | 0.96396993 |
| 2000 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1 | 1 | 0.3542 | 0.18022624 |
| 2000 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1 | 1 | 1.4174 | 0.64803528 |
| 2000 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1 | 1 | 0.2422 | 0.11073384 |
| 2000 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1 | 1 | 0.7961 | 0.36397692 |
| 2000 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 |
| 2000 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1 | 1 | 3.9583 | 2.35836069 |
| 2000 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1 | 1 | 0.5071 | 0.30136953 |
| 2000 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 1 | 1 | 6.0302 | 3.58374786 |
| 2000 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 1 | 1 | 11.2775 | 5.12341368 |
| 2000 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2000 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1 | 1 | 0.0017 | 0.001656 |
| 2000 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1 | 1 | 0.002 | 0.001965 |
| 2000 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0005 | 0.00049175 |
| 2000 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 1 | 1 | 0.0003 | 0.00029475 |
| 2000 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1 | 1 | 0.0621 | 0.04347 |
| 2000 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1 | 1 | 2.565 | 2.7924 |
| 2000 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 1 | 1 | 0.0606 | 0.0606 |
| 2000 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1 | 1 | 0.0009 | 0.00081 |
| 2001 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.010544815 | 1 | 0.0037 | 0.0037 |
| 2001 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1.032258065 | 1 | 0.0004 | 0.000348 |
| 2001 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.968493151 | 1 | 0.0031 | 0.002697 |
| 2001 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.958606818 | 1 | 0.0001 | 0.0000976 |
| 2001 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 1.007558824 | 1 | 0.0022 | 0.0022 |
| 2001 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.969791667 | 1 | 0.0006 | 0.0006 |
| 2001 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.974396339 | 1 | 0.0001 | 0.0001 |
| 2001 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.020997375 | 1 | 0.0535 | 0.052216 |
| 2001 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.984863774 | 1 | 0.0006 | 0.0005856 |
| 2001 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.984863774 | 1 | 0.0032 | 0.0031232 |
| 2001 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.982346833 | 1 | 0.0002 | 0.0001952 |
| 2001 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 1.040959041 | 1 | 0.0277 | 0.0275338 |
| 2001 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 1.015228426 | 1 | 0.0002 | 0.0001952 |
| 2001 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.958606818 | 1 | 0.0033 | 0.0032206 |
| 2001 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.023299161 | 1 | 0.0027 | 0.0026838 |
| 2001 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.984863774 | 1 | 0.0038 | 0.0037068 |
| 2001 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&9out | 1 | 1 | 0.0016 | 0.00064 |
| 2001 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.042553191 | 1 | 0.5371 | 0.494132 |
| 2001 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.042594385 | 1 | 0.0003 | 0.000276 |
| 2001 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.042594385 | 1 | 0.1248 | 0.114816 |
| 2001 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.042594385 | 1 | 0.0006 | 0.000552 |
| 2001 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.042594385 | 1 | 0.0006 | 0.000552 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2001 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.042594385 | 1 | 0.0003 | 0.000276 |
| 2001 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.042594385 | 1 | 0.0003 | 0.00015 |
| 2001 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.042594385 | 1 | 0.1289 | 0.116588 |
| 2001 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.042594385 | 1 | 0.1977 | 0.181884 |
| 2001 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.042594385 | 1 | 0.077 | 0.07084 |
| 2001 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.042594385 | 1 | 0.0531 | 0.048852 |
| 2001 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.042594385 | 1 | 0.0761 | 0.070012 |
| 2001 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.0433213 | 1 | 0.0029 | 0.00145 |
| 2001 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.020997375 | 1 | 0.6175 | 0.30875 |
| 2001 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.042594385 | 1 | 0.2974 | 0.1487 |
| 2001 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.020997375 | 1 | 0.1075 | 0.05375 |
| 2001 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.042594385 | 1 | 0.031 | 0.0155 |
| 2001 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.020997375 | 1 | 0.7325 | 0.3664 |
| 2001 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.020997375 | 1 | 2.0347 | 1.01735 |
| 2001 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.020997375 | 1 | 0.0013 | 0.00065 |
| 2001 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.020997375 | 1 | 0.0351 | 0.01755 |
| 2001 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.020997375 | 1 | 0.0144 | 0.0072 |
| 2001 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.020997375 | 1 | 0.0024 | 0.0012 |
| 2001 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.020997375 | 1 | 0.0176 | 0.0088 |
| 2001 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.020997375 | 1 | 0.0022 | 0.0011 |
| 2001 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.020997375 | 1 | 0.0027 | 0.00135 |
| 2001 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.010544815 | 1 | 0.1208 | 0.1208 |
| 2001 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.984863774 | 1 | 0.0003 | 0.00009 |
| 2001 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.984863774 | 1 | 0.0192 | 0.0167392 |
| 2001 | 060-995-0000-0000 | 060-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1.654298643 | 1 | 0.0249 | 0.0243024 |
| 2001 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.026857654 | 1 | 0.0197 | 0.0197 |
| 2001 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.020997375 | 1 | 0.0553 | 0.02766 |
| 2001 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1 | 1 | 0.0261 | 0.01124 |
| 2001 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.020997375 | 1 | 0.0058 | 0.0029 |
| 2001 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.041521561 | 1 | 0.004 | 0.00368 |
| 2001 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7006-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2001 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 0.997 | 1 | 0.1295 | 0.1210625 |
| 2001 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.007782101 | 1 | 0.2093 | 0.1956955 |
| 2001 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.991836735 | 1 | 0.0085 | 0.0085 |
| 2001 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.002756098 | 1 | 0.0065 | 0.0065 |
| 2001 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 0.998005982 | 1 | 0.0005 | 0.0005 |
| 2001 | 611-000-0000-0000 | 611-000-0000-0000 | 611-000-0000-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 0.998005982 | 1 | 0.0014 | 0.0014 |
| 2001 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 1.000992063 | 1 | 0.0006 | 0.0006 |
| 2001 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.975635593 | 1 | 10.7282 | 4.87382126 |
| 2001 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.9938902 | 1 | 2.7856 | 1.26549809 |
| 2001 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.041275797 | 1 | 0.8485 | 0.41517105 |
| 2001 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.041227229 | 1 | 0.3186 | 0.15589098 |
| 2001 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.012820513 | 1 | 0.0743 | 0.03635499 |
| 2001 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.012820513 | 1 | 0.3516 | 0.17213574 |
| 2001 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.012820513 | 1 | 1.9953 | 0.97630029 |
| 2001 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.039320822 | 1 | 0.4096 | 0.18736056 |
| 2001 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.039320822 | 1 | 1.4734 | 0.67363848 |
| 2001 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.039320822 | 1 | 0.2517 | 0.11507724 |
| 2001 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.039320822 | 1 | 0.8275 | 0.378333 |
| 2001 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 |
| 2001 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY16 | 1.009727626 | 1 | 4.0065 | 2.38106285 |
| 2001 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.009727626 | 1 | 0.5119 | 0.30422217 |
| 2001 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.9938902 | 1 | 5.9935 | 3.56193705 |
| 2001 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.987603306 | 1 | 11.1418 | 5.06171974 |
| 2001 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2001 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.008763389 | 1 | 0.0017 | 0.001666 |
| 2001 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-COF | 1.022876932 | 1 | 0.0021 | 0.00206325 |
| 2001 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0005 | 0.00045175 |
| 2001 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.993902439 | 1 | 0.0003 | 0.00029475 |
| 2001 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.036583874 | 1 | 0.064 | 0.0448 |
| 2001 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002982107 | 1 | 2.8738 | 2.8048288 |
| 2001 | 820-620-0000-0000 | 820-620-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 1 | 1 | 0.0606 | 0.0606 |
| 2001 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.018796992 | 1 | 0.0009 | 0.00081 |
| 2002 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.021968366 | 1 | 0.0039 | 0.0039 |
| 2002 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1.032258065 | 1 | 0.0004 | 0.000348 |
| 2002 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.938356164 | 1 | 0.003 | 0.00261 |
| 2002 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.914772727 | 1 | 0.0001 | 0.0000975 |
| 2002 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.995098039 | 1 | 0.0022 | 0.0022 |
| 2002 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.940625 | 1 | 0.0965 | 0.0005 |
| 2002 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.948636207 | 1 | 0.0001 | 0.0001 |
| 2002 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.04111986 | 1 | 0.0546 | 0.0532896 |
| 2002 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.967709364 | 1 | 0.0005 | 0.0005856 |
| 2002 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.967709364 | 1 | 0.0031 | 0.0030256 |
| 2002 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.963655244 | 1 | 0.0002 | 0.0001952 |
| 2002 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 0.867132967 | 1 | 0.0231 | 0.0229614 |
| 2002 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 1.017766497 | 1 | 0.0002 | 0.0001952 |
| 2002 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.914772727 | 1 | 0.0032 | 0.0031232 |
| 2002 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.045666356 | 1 | 0.0028 | 0.0027832 |
| 2002 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.967709364 | 1 | 0.0037 | 0.0036112 |
| 2002 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.049382716 | 1 | 0.0016 | 0.00064 |
| 2002 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.063829787 | 1 | 0.5483 | 0.504436 |
| 2002 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.063891576 | 1 | 0.0003 | 0.000276 |
| 2002 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.063891576 | 1 | 0.1274 | 0.117208 |
| 2002 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.063891576 | 1 | 0.0006 | 0.000552 |
| 2002 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.063891576 | 1 | 0.0006 | 0.000552 |
| 2002 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.063891576 | 1 | 0.0003 | 0.000276 |
| 2002 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.063891576 | 1 | 0.0003 | 0.00015 |
| 2002 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.063891576 | 1 | 0.1316 | 0.121072 |
| 2002 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.063891576 | 1 | 0.2017 | 0.185564 |
| 2002 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.063891576 | 1 | 0.0786 | 0.072312 |
| 2002 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.063891576 | 1 | 0.0542 | 0.049864 |
| 2002 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.063891576 | 1 | 0.0777 | 0.071484 |
| 2002 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.05032491 | 1 | 0.003 | 0.0015 |
| 2002 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.04111986 | 1 | 0.6301 | 0.31505 |
| 2002 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.063891576 | 1 | 0.3035 | 0.15175 |
| 2002 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.04111986 | 1 | 0.1097 | 0.05485 |
| 2002 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.063891576 | 1 | 0.0316 | 0.0158 |
| 2002 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.04111986 | 1 | 0.7477 | 0.37385 |
| 2002 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.04111986 | 1 | 2.0762 | 1.0381 |
| 2002 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.04111986 | 1 | 0.0014 | 0.0007 |
| 2002 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.04111986 | 1 | 0.0358 | 0.0179 |
| 2002 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.04111986 | 1 | 0.0147 | 0.00735 |
| 2002 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.04111986 | 1 | 0.0024 | 0.0012 |
| 2002 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.04111986 | 1 | 0.0161 | 0.00805 |
| 2002 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.04111986 | 1 | 0.0022 | 0.0011 |
| 2002 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.04111986 | 1 | 0.0027 | 0.00135 |
| 2002 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.021968366 | 1 | 0.1221 | 0.1221 |
| 2002 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.967709364 | 1 | 0.0003 | 0.00009 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2002 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.957709364 | 1 | 0.0169 | 0.0164464 |
| 2002 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39|31 | 1.104072398 | 1 | 0.0261 | 0.0254736 |
| 2002 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.048343778 | 1 | 0.0201 | 0.0201 |
| 2002 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.04111986 | 1 | 0.0564 | 0.0282 |
| 2002 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_2958&out | 1.049362716 | 1 | 0.0296 | 0.01184 |
| 2002 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7075-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD | SAND/AGGREGATE | SIC_14-out | 1.04111986 | 1 | 0.0059 | 0.00295 |
| 2002 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.07063197 | 1 | 0.0041 | 0.003772 |
| 2002 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2002 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 0.999 | 1 | 0.1298 | 0.121363 |
| 2002 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.017509728 | 1 | 0.2112 | 0.197472 |
| 2002 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.984693878 | 1 | 0.0085 | 0.0085 |
| 2002 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.018536585 | 1 | 0.0066 | 0.0066 |
| 2002 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1 | 1 | 0.0005 | 0.0005 |
| 2002 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1 | 1 | 0.0014 | 0.0014 |
| 2002 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 1.00297619 | 1 | 0.0006 | 0.0006 |
| 2002 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.952330508 | 1 | 10.467 | 4.7551581 |
| 2002 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.986761711 | 1 | 2.7651 | 1.25618493 |
| 2002 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.054409005 | 1 | 0.8595 | 0.42055335 |
| 2002 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.054650046 | 1 | 0.3227 | 0.15789711 |
| 2002 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.036489152 | 1 | 0.076 | 0.0371868 |
| 2002 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17amp | 1.036489152 | 1 | 0.3599 | 0.17609907 |
| 2002 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.036489152 | 1 | 2.0412 | 0.99875916 |
| 2002 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.078641644 | 1 | 0.4255 | 0.19444716 |
| 2002 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.078641644 | 1 | 1.5294 | 0.69924168 |
| 2002 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.078641644 | 1 | 0.2613 | 0.11946636 |
| 2002 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.078641644 | 1 | 0.6589 | 0.39268908 |
| 2002 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 |
| 2002 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.019455253 | 1 | 4.0447 | 2.40376521 |
| 2002 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.019455253 | 1 | 5.5168 | 3.30713424 |
| 2002 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.986761711 | 1 | 5.9493 | 3.53566839 |
| 2002 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.977272727 | 1 | 11.021 | 5.0068403 |
| 2002 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2002 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.018500487 | 1 | 0.0017 | 0.001666 |
| 2002 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.056244042 | 1 | 0.0021 | 0.00206325 |
| 2002 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0005 | 0.00049175 |
| 2002 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.988821138 | 1 | 0.0003 | 0.00029475 |
| 2002 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.050973123 | 1 | 0.0653 | 0.04571 |
| 2002 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002982107 | 1 | 2.6738 | 2.8049288 |
| 2002 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 1 | 1 | 0.0606 | 0.0606 |
| 2002 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.039473684 | 1 | 0.0009 | 0.00081 |
| 2003 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.021968386 | 1 | 0.0038 | 0.0038 |
| 2003 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_4941-C7 | 1 | 1 | 0.0004 | 0.000348 |
| 2003 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.905479452 | 1 | 0.0029 | 0.002523 |
| 2003 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.862215909 | 1 | 0.0001 | 0.0000976 |
| 2003 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.989215686 | 1 | 0.0022 | 0.0022 |
| 2003 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.908333333 | 1 | 0.0005 | 0.0005 |
| 2003 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.915688367 | 1 | 0.0001 | 0.0001 |
| 2003 | 2-01-001-02 | 1474 | 050-040-1250-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.051618548 | 1 | 0.0552 | 0.0538752 |
| 2003 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.950554995 | 1 | 0.0005 | 0.000488 |
| 2003 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.950554995 | 1 | 0.0031 | 0.0030256 |
| 2003 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.946002077 | 1 | 0.0002 | 0.0001952 |
| 2003 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 0.782217782 | 1 | 0.0208 | 0.0208752 |
| 2003 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_5081-C2 | 1.015228426 | 1 | 0.0002 | 0.0001952 |
| 2003 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.862215909 | 1 | 0.003 | 0.002928 |
| 2003 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_4941-out | 1.045666356 | 1 | 0.0028 | 0.0027832 |
| 2003 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.950554995 | 1 | 0.0036 | 0.0035136 |
| 2003 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_2958&out | 1.049362716 | 1 | 0.0016 | 0.00064 |
| 2003 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.986073501 | 1 | 5.5585 | 5.5474 |
| 2003 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.065186771 | 1 | 0.0003 | 0.000276 |
| 2003 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.065186771 | 1 | 0.1259 | 0.119508 |
| 2003 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.065186771 | 1 | 0.0006 | 0.000552 |
| 2003 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.065186771 | 1 | 0.0006 | 0.000552 |
| 2003 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.065186771 | 1 | 0.0003 | 0.000276 |
| 2003 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.065186771 | 1 | 0.0003 | 0.00015 |
| 2003 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.065186771 | 1 | 0.1342 | 0.123464 |
| 2003 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.065186771 | 1 | 0.2058 | 0.189336 |
| 2003 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.065186771 | 1 | 0.0602 | 0.073784 |
| 2003 | 3-05-006-17 | 3241 | 430-423-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.065186771 | 1 | 0.0553 | 0.050876 |
| 2003 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.065186771 | 1 | 0.0752 | 0.072864 |
| 2003 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_5081-out | 1.119133574 | 1 | 0.0031 | 0.00155 |
| 2003 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.051618548 | 1 | 0.6354 | 0.3162 |
| 2003 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.065186771 | 1 | 5.5095 | 5.5475 |
| 2003 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.051618548 | 1 | 0.1168 | 0.0554 |
| 2003 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.065186771 | 1 | 0.0322 | 0.0161 |
| 2003 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.051618548 | 1 | 0.7552 | 0.3776 |
| 2003 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.051618548 | 1 | 2.097 | 1.0485 |
| 2003 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.051618548 | 1 | 0.0014 | 0.0007 |
| 2003 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.051618548 | 1 | 0.0052 | 0.0151 |
| 2003 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.051618548 | 1 | 0.0148 | 0.0074 |
| 2003 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.051618548 | 1 | 0.0025 | 0.00125 |
| 2003 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.051618548 | 1 | 0.0183 | 0.00915 |
| 2003 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.051618548 | 1 | 0.0022 | 0.0011 |
| 2003 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.051618548 | 1 | 0.0027 | 0.00135 |
| 2003 | 3-90-006-69 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.021968386 | 1 | 0.1221 | 0.1221 |
| 2003 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.950554995 | 1 | 0.0003 | 0.00009 |
| 2003 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.950554995 | 1 | 0.0186 | 0.0181536 |
| 2003 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39|31 | 1.16199095 | 1 | 0.0274 | 0.0267424 |
| 2003 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.064456371 | 1 | 0.0205 | 0.0205 |
| 2003 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.051618548 | 1 | 0.057 | 0.0285 |
| 2003 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_2958&out | 1.049362716 | 1 | 0.0296 | 0.01184 |
| 2003 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.051618548 | 1 | 0.0059 | 0.00295 |
| 2003 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.0845724?1 | 1 | 0.0042 | 0.003864 |
| 2003 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2003 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.001 | 1 | 0.13 | 0.12155 |
| 2003 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.027237354 | 1 | 0.2133 | 0.1994355 |
| 2003 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.97755102 | 1 | 0.0084 | 0.0084 |
| 2003 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.026292683 | 1 | 0.0066 | 0.0066 |
| 2003 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.002991027 | 1 | 0.0006 | 0.0006 |
| 2003 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.002991027 | 1 | 0.0014 | 0.0014 |
| 2003 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.996015873 | 1 | 0.0006 | 0.0006 |
| 2003 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.935361356 | 1 | 10.2804 | 4.67039572 |
| 2003 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.960651731 | 1 | 2.748 | 1.2484164 |
| 2003 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.0684803 | 1 | 0.6709 | 0.42613137 |
| 2003 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.068072867 | 1 | 0.327 | 0.1600011 |
| 2003 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.045364892 | 1 | 0.0766 | 0.03748038 |
| 2003 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.045364892 | 1 | 0.3629 | 0.17756697 |
| 2003 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.045364892 | 1 | 2.058 | 1.0069794 |
| 2003 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.117962466 | 1 | 0.4409 | 0.23157948 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2003 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.117962466 | 1 | 1.5854 | 0.72484488 |
| 2003 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.117962466 | 1 | 0.2709 | 0.12385548 |
| 2003 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.117962466 | 1 | 0.8904 | 0.40709089 |
| 2003 | 645-640-0000-0000 | 645-640-0000-0000 | 645-635-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | 1 | CATEGORY17 | 1 | 4.3145 | 2.56410735 |
| 2003 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | 1.029162879 | CATEGORY16 | 1 | 4.0646 | 2.42759564 |
| 2003 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | 1.029162879 | CATEGORY18 | 1 | 0.5219 | 0.31016517 |
| 2003 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | 0.986651731 | CATEGORY19 | 1 | 5.9126 | 3.51385818 |
| 2003 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | 0.964876033 | CATEGORY20 | 1 | 10.8951 | 4.94510033 |
| 2003 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | 1 | CATEGORY21 | 1 | 0.52 | 0.309036 |
| 2003 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.027263675 | 1 | 0.0017 | 0.001666 |
| 2003 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.089609152 | 1 | 0.0022 | 0.0021615 |
| 2003 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | 1 | CATEGORY44 | 1 | 0.0005 | 0.00049175 |
| 2003 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | 0.983739637 | CATEGORY45 | 1 | 0.0003 | 0.00029475 |
| 2003 | 690-690-0000-0000 | 690-680-0000-0000 | 690-660-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | 1.070435589 | CATEGORY49 | 1 | 0.0664 | 0.04648 |
| 2003 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | 1.003976143 | FLT-MJET | 1 | 2.8767 | 2.8076592 |
| 2003 | 820-820-0000-0000 | 820-820-0000-0000 | 820-823-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | 0.99516441 | EMP-RAIL | 1 | 0.0603 | 0.0603 |
| 2003 | 850-880-0000-0000 | 850-880-0000-0000 | 850-875-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.059210526 | 1 | 0.0009 | 0.00081 |
| 2004 | 1-02-006-01 | 1474 | 050-305-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-i35 | 1.010544615 | 1 | 0.0037 | 0.0037 |
| 2004 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1 | 1 | 0.0004 | 0.000348 |
| 2004 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.869863014 | 1 | 0.0028 | 0.002436 |
| 2004 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.815340909 | 1 | 0.0001 | 0.0000976 |
| 2004 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.964313725 | 1 | 0.0022 | 0.0022 |
| 2004 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.876125 | 1 | 0.0005 | 0.0005 |
| 2004 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.864738527 | 1 | 0.0001 | 0.0001 |
| 2004 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.062117235 | 1 | 0.0557 | 0.0543632 |
| 2004 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.931382442 | 1 | 0.0005 | 0.000488 |
| 2004 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.931382442 | 1 | 0.003 | 0.002928 |
| 2004 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-i31 | 0.927310488 | 1 | 0.0002 | 0.0001952 |
| 2004 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 0.794205794 | 1 | 0.0211 | 0.0209734 |
| 2004 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 1.01142132 | 1 | 0.0002 | 0.0001952 |
| 2004 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.815340909 | 1 | 0.0028 | 0.0027328 |
| 2004 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.068033551 | 1 | 0.0028 | 0.0027832 |
| 2004 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.931382442 | 1 | 0.0036 | 0.0035136 |
| 2004 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.0997151 | 1 | 0.0017 | 0.00068 |
| 2004 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.117021277 | 1 | 0.5758 | 0.529736 |
| 2004 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.11713456 | 1 | 0.0003 | 0.000276 |
| 2004 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.11713456 | 1 | 0.1337 | 0.123004 |
| 2004 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.11713456 | 1 | 0.0006 | 0.000552 |
| 2004 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.11713456 | 1 | 0.0006 | 0.000552 |
| 2004 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.11713456 | 1 | 0.0003 | 0.000276 |
| 2004 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.11713456 | 1 | 0.0003 | 0.00015 |
| 2004 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.11713456 | 1 | 0.1381 | 0.127052 |
| 2004 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.11713456 | 1 | 0.2118 | 0.194856 |
| 2004 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.11713456 | 1 | 0.0825 | 0.0759 |
| 2004 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.11713456 | 1 | 0.0569 | 0.052348 |
| 2004 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.11713456 | 1 | 0.0816 | 0.075072 |
| 2004 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.158844765 | 1 | 0.0032 | 0.0016 |
| 2004 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.062117235 | 1 | 0.6427 | 0.32135 |
| 2004 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.11713456 | 1 | 0.3187 | 0.15935 |
| 2004 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.1119 | 0.05595 |
| 2004 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.11713456 | 1 | 0.0332 | 0.0166 |
| 2004 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.7627 | 0.38135 |
| 2004 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.062117235 | 1 | 2.1177 | 1.05885 |
| 2004 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0014 | 0.0007 |
| 2004 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0368 | 0.01825 |
| 2004 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.015 | 0.0075 |
| 2004 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0025 | 0.00125 |
| 2004 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0185 | 0.00925 |
| 2004 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0023 | 0.00115 |
| 2004 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0028 | 0.0014 |
| 2004 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-i35 | 1.010544615 | 1 | 0.1236 | 0.1236 |
| 2004 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATION | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.931382442 | 1 | 0.0003 | 0.00099 |
| 2004 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.931382442 | 1 | 0.0182 | 0.0177632 |
| 2004 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39i31 | 1.224434389 | 1 | 0.0289 | 0.0292064 |
| 2004 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.064153954 | 1 | 0.0206 | 0.0206 |
| 2004 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.062117235 | 1 | 0.0576 | 0.0288 |
| 2004 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.0997151 | 1 | 0.331 | 0.0124 |
| 2004 | 430-430-0000-0000 | 430-430-0000-0000 | 430-429-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING /AGGREGATE PROD | SAND/AGGREGATE | SIC_14-out | 1.062117235 | 1 | 0.006 | 0.003 |
| 2004 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.112453532 | 1 | 0.0043 | 0.003956 |
| 2004 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2004 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.005 | 1 | 0.1306 | 0.122111 |
| 2004 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY39 | 1.035392218 | 1 | 0.2151 | 0.2011185 |
| 2004 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.970408163 | 1 | 0.0083 | 0.0083 |
| 2004 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.037073171 | 1 | 0.0067 | 0.0067 |
| 2004 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.008973081 | 1 | 0.0006 | 0.0006 |
| 2004 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.008973081 | 1 | 0.0014 | 0.0014 |
| 2004 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.994047619 | 1 | 0.0005 | 0.0005 |
| 2004 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.915254237 | 1 | 10.0566 | 4.56871338 |
| 2004 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY13 | 0.974541752 | 1 | 2.7309 | 1.24064787 |
| 2004 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.083489681 | 1 | 0.9829 | 0.43200237 |
| 2004 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.083413231 | 1 | 0.3315 | 0.16220255 |
| 2004 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.053254438 | 1 | 0.0772 | 0.03777396 |
| 2004 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.053254438 | 1 | 0.3657 | 0.17893701 |
| 2004 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.053254438 | 1 | 2.0739 | 1.01475927 |
| 2004 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.158176944 | 1 | 0.4565 | 0.2087118 |
| 2004 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.158176944 | 1 | 1.6413 | 0.75040236 |
| 2004 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.158176944 | 1 | 0.2804 | 0.12819688 |
| 2004 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.158176944 | 1 | 0.9216 | 0.42144696 |
| 2004 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 |
| 2004 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.038910506 | 1 | 4.1211 | 2.44916973 |
| 2004 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.038910506 | 1 | 0.5266 | 0.31235838 |
| 2004 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.974541752 | 1 | 5.8758 | 3.49198794 |
| 2004 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.952479339 | 1 | 10.7492 | 4.88336156 |
| 2004 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2004 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.036027264 | 1 | 0.0017 | 0.001666 |
| 2004 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.122974261 | 1 | 0.0023 | 0.00225975 |
| 2004 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | 1 | CATEGORY44 | 1 | 0.0005 | 0.00049175 |
| 2004 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | 0.977642276 | CATEGORY45 | 1 | 0.0003 | 0.00029475 |
| 2004 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | 1.092678406 | CATEGORY49 | 1 | 0.0678 | 0.04746 |
| 2004 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | 1.002362107 | FLT-MJET | 1 | 2.8738 | 2.8048288 |
| 2004 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | 0.99516441 | EMP-RAIL | 1 | 0.0603 | 0.0603 |
| 2004 | 850-880-0000-0000 | 850-880-0000-0000 | 850-875-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.079387218 | 1 | 0.0009 | 0.00081 |
| 2005 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-i35 | 1 | 1 | 0.0037 | 0.0037 |
| 2005 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1 | 1 | 0.0004 | 0.000348 |
| 2005 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.835616438 | 1 | 0.0027 | 0.002349 |
| 2005 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.765625 | 1 | 0.0001 | 0.0000976 |
| 2005 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.975490196 | 1 | 0.0022 | 0.0022 |
| 2005 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.844791667 | 1 | 0.0005 | 0.0005 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.951654216 | 1 | 0.0001 | 0.0001 |
| 2005 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.062117235 | 1 | 0.0557 | 0.0543532 |
| 2005 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.913218971 | 1 | 0.0005 | 0.000488 |
| 2005 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.913218971 | 1 | 0.003 | 0.002929 |
| 2005 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.904485213 | 1 | 0.0002 | 0.0001952 |
| 2005 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 0.824175824 | 1 | 0.0219 | 0.0217666 |
| 2005 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 1.003807107 | 1 | 0.0002 | 0.0001952 |
| 2005 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.765625 | 1 | 0.0027 | 0.0026352 |
| 2005 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.091332712 | 1 | 0.0029 | 0.0028626 |
| 2005 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.913218971 | 1 | 0.0035 | 0.003419 |
| 2005 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_2958&out | 1.0997151 | 1 | 0.0017 | 0.00068 |
| 2005 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.149903288 | 1 | 0.5926 | 0.545192 |
| 2005 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.149080348 | 1 | 0.0003 | 0.000276 |
| 2005 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.149080348 | 1 | 0.1375 | 0.1265 |
| 2005 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.149080348 | 1 | 0.0007 | 0.000644 |
| 2005 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.149080348 | 1 | 0.0007 | 0.000644 |
| 2005 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.149080348 | 1 | 0.0003 | 0.000276 |
| 2005 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.149080348 | 1 | 0.0003 | 0.00015 |
| 2005 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.149080348 | 1 | 0.1421 | 0.130732 |
| 2005 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.149080348 | 1 | 0.2179 | 0.200469 |
| 2005 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.149080348 | 1 | 0.0849 | 0.078106 |
| 2005 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.149080348 | 1 | 0.0565 | 0.05382 |
| 2005 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.149080348 | 1 | 0.0839 | 0.077188 |
| 2005 | 3-05-025-03 | 5032 | 430-995-7075-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.199456484 | 1 | 0.0033 | 0.00165 |
| 2005 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.062117235 | 1 | 0.6427 | 0.32135 |
| 2005 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.149080348 | 1 | 0.3278 | 0.1639 |
| 2005 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.1119 | 0.05595 |
| 2005 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.149080348 | 1 | 0.0341 | 0.01705 |
| 2005 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.7627 | 0.38135 |
| 2005 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.062117235 | 1 | 2.1177 | 1.05885 |
| 2005 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0014 | 0.0007 |
| 2005 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0365 | 0.01825 |
| 2005 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.015 | 0.0075 |
| 2005 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0025 | 0.00125 |
| 2005 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0185 | 0.00925 |
| 2005 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0023 | 0.00115 |
| 2005 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.062117235 | 1 | 0.0028 | 0.0014 |
| 2005 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1 | 1 | 0.1195 | 0.1195 |
| 2005 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.913218971 | 1 | 0.0002 | 0.00006 |
| 2005 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.913218971 | 1 | 0.0178 | 0.0173728 |
| 2005 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1.280542956 | 1 | 0.0302 | 0.0294752 |
| 2005 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.098478066 | 1 | 0.0211 | 0.0211 |
| 2005 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.062117235 | 1 | 0.0576 | 0.0288 |
| 2005 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_2958&out | 1.0997151 | 1 | 0.031 | 0.0124 |
| 2005 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.062117235 | 1 | 0.006 | 0.003 |
| 2005 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.126394052 | 1 | 0.0043 | 0.003956 |
| 2005 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_3348&out | 1 | 1 | 0.0079 | 0.00553 |
| 2005 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.003 | 1 | 0.1302 | 0.121737 |
| 2005 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.045719644 | 1 | 0.217 | 0.232895 |
| 2005 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.963265306 | 1 | 0.0083 | 0.0083 |
| 2005 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.045653659 | 1 | 0.0068 | 0.0068 |
| 2005 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.007976072 | 1 | 0.0006 | 0.0006 |
| 2005 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.007976072 | 1 | 0.0014 | 0.0014 |
| 2005 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.98015873 | 1 | 0.0005 | 0.0005 |
| 2005 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.895127119 | 1 | 9.8327 | 4.46699561 |
| 2005 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5430-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.968431772 | 1 | 2.7138 | 1.23267934 |
| 2005 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.100375235 | 1 | 0.9962 | 0.43851066 |
| 2005 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5430-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.099712368 | 1 | 0.3366 | 0.16469839 |
| 2005 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.062130178 | 1 | 0.0779 | 0.03811647 |
| 2005 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.062130178 | 1 | 0.3659 | 0.18052277 |
| 2005 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.062130178 | 1 | 2.0923 | 1.02376239 |
| 2005 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.197497766 | 1 | 0.4721 | 0.21584412 |
| 2005 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.197497766 | 1 | 1.6973 | 0.77600556 |
| 2005 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.197497766 | 1 | 0.29 | 0.132588 |
| 2005 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.197497766 | 1 | 0.9533 | 0.43584876 |
| 2005 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 |
| 2005 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.04766537 | 1 | 4.1574 | 2.47074282 |
| 2005 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.04766537 | 1 | 0.5312 | 0.31569216 |
| 2005 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.968431772 | 1 | 5.839 | 3.4701177 |
| 2005 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.94214976 | 1 | 10.6285 | 4.82852755 |
| 2005 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2005 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.044790652 | 1 | 0.0018 | 0.001764 |
| 2005 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.156339371 | 1 | 0.0023 | 0.00225975 |
| 2005 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0005 | 0.00049175 |
| 2005 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0260-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.972560976 | 1 | 0.0003 | 0.00029475 |
| 2005 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6060-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.114921223 | 1 | 0.0492 | 0.04844 |
| 2005 | 810-610-0000-0000 | 810-610-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002982107 | 1 | 2.8735 | 2.6348288 |
| 2005 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.99516441 | 0.96 | 0.0579 | 0.0579 |
| 2005 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.10056391 | 1 | 0.001 | 0.0009 |
| 2006 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 0.98857645 | 1 | 0.0036 | 0.0036 |
| 2006 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1 | 1 | 0.0004 | 0.000348 |
| 2006 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.8 | 1 | 0.0026 | 0.002262 |
| 2006 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.71875 | 1 | 0.0001 | 0.0000976 |
| 2006 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.964705882 | 1 | 0.0022 | 0.0022 |
| 2006 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.811458333 | 1 | 0.0095 | 0.0095 |
| 2006 | 1-03-010-02 | 9711 | 060-005-2124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.818569904 | 1 | 0.0001 | 0.0001 |
| 2006 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.072615923 | 1 | 0.0563 | 0.0549488 |
| 2006 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.895055499 | 1 | 0.0005 | 0.000488 |
| 2006 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.895055499 | 1 | 0.0029 | 0.0028304 |
| 2006 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.875386408 | 1 | 0.0002 | 0.0001952 |
| 2006 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 0.856143856 | 1 | 0.0228 | 0.0226632 |
| 2006 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 0.994923856 | 1 | 0.0002 | 0.0001952 |
| 2006 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.71875 | 1 | 0.0025 | 0.00244 |
| 2006 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.113699907 | 1 | 0.0029 | 0.0028626 |
| 2006 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.895055499 | 1 | 0.0034 | 0.0033184 |
| 2006 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_2958&out | 1.150047483 | 1 | 0.0016 | 0.00072 |
| 2006 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.181618162 | 1 | 0.6069 | 0.560188 |
| 2006 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.181026137 | 1 | 0.0003 | 0.000276 |
| 2006 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.181026137 | 1 | 0.1414 | 0.130068 |
| 2006 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.181026137 | 1 | 0.0007 | 0.000644 |
| 2006 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.181026137 | 1 | 0.0007 | 0.000644 |
| 2006 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.181026137 | 1 | 0.0003 | 0.000276 |
| 2006 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.181026137 | 1 | 0.0003 | 0.00015 |
| 2006 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.181026137 | 1 | 0.146 | 0.13432 |
| 2006 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.181026137 | 1 | 0.2239 | 0.205988 |
| 2006 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.181026137 | 1 | 0.0872 | 0.080224 |
| 2006 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.181026137 | 1 | 0.0602 | 0.055384 |
| 2006 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.181026137 | 1 | 0.0862 | 0.079304 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2006 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.240974729 | 1 | 0.0034 | 0.0017 | |
| 2006 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.072615923 | 1 | 0.549 | 0.3245 | |
| 2006 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.181026137 | 1 | 0.3369 | 0.16845 | |
| 2006 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.072615923 | 1 | 0.113 | 0.0565 | |
| 2006 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.181026137 | 1 | 0.0351 | 0.01755 | |
| 2006 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.072615923 | 1 | 0.7702 | 0.3851 | |
| 2006 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.072615923 | 1 | 2.1385 | 1.06925 | |
| 2006 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.072615923 | 1 | 0.0014 | 0.0007 | |
| 2006 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.072615923 | 1 | 0.0369 | 0.01845 | |
| 2006 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.072615923 | 1 | 0.0151 | 0.00755 | |
| 2006 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.072615923 | 1 | 0.0025 | 0.00125 | |
| 2006 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.072615923 | 1 | 0.0187 | 0.00935 | |
| 2006 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.072615923 | 1 | 0.0023 | 0.00115 | |
| 2006 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.072615923 | 1 | 0.0028 | 0.0014 | |
| 2006 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 0.98657645 | 1 | 0.1181 | 0.1181 | |
| 2006 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.895055499 | 1 | 0.0002 | 0.00006 | |
| 2006 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.895055499 | 1 | 0.0175 | 0.01708 | |
| 2006 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39&1 | 1.336651584 | 1 | 0.0316 | 0.0308416 | |
| 2006 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.113697404 | 1 | 0.0214 | 0.0214 | |
| 2006 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.072615923 | 1 | 0.0581 | 0.02905 | |
| 2006 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.150047483 | 1 | 0.0324 | 0.01296 | |
| 2006 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.072615923 | 1 | 0.006 | 0.003 | |
| 2006 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.154275093 | 1 | 0.0044 | 0.004045 | |
| 2006 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 | |
| 2006 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.003 | 1 | 0.1302 | 0.121737 | |
| 2006 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.053501946 | 1 | 0.2187 | 0.2044845 | |
| 2006 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.957142857 | 1 | 0.0082 | 0.0082 | |
| 2006 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.054634145 | 1 | 0.0068 | 0.0068 | |
| 2006 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.010967099 | 1 | 0.0006 | 0.0006 | |
| 2006 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.010967099 | 1 | 0.0014 | 0.0014 | |
| 2006 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.968253968 | 1 | 0.0005 | 0.0005 | |
| 2006 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.872881356 | 1 | 9.5901 | 4.35678243 | |
| 2006 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.962321792 | 1 | 2.6967 | 1.22511061 | |
| 2006 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.120075047 | 1 | 0.913 | 0.4467309 | |
| 2006 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.119846596 | 1 | 0.3428 | 0.16773204 | |
| 2006 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.07495069 | 1 | 0.0789 | 0.03860577 | |
| 2006 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.07495069 | 1 | 0.3734 | 0.18270462 | |
| 2006 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.07495069 | 1 | 2.1177 | 1.03619061 | |
| 2006 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.243967828 | 1 | 0.4905 | 0.2242566 | |
| 2006 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.243967826 | 1 | 1.7637 | 0.80636364 | |
| 2006 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.243967826 | 1 | 0.3013 | 0.13775496 | |
| 2006 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.243967828 | 1 | 0.9906 | 0.45290232 | |
| 2006 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 | |
| 2006 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY16 | 1.057392996 | 1 | 4.1936 | 2.49225646 | |
| 2006 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.057392996 | 1 | 0.5359 | 0.31848537 | |
| 2006 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.962321792 | 1 | 5.8023 | 3.44830689 | |
| 2006 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.931818182 | 1 | 10.5077 | 4.77364811 | |
| 2006 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 | |
| 2006 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.053554041 | 1 | 0.0018 | 0.001764 | |
| 2006 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.186844614 | 1 | 0.0624 | 0.002358 | |
| 2006 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | 1 | CATEGORY44 | 1 | 0.0095 | 0.00045175 | |
| 2006 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.967479675 | 1 | 0.0003 | 0.00028475 | |
| 2006 | 690-650-0000-0000 | 690-650-0000-0000 | 690-680-6300-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY46 | 1.126963416 | 1 | 0.07 | 0.049 | |
| 2006 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002982107 | 1 | 2.5738 | 2.5048288 | |
| 2006 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.99516441 | 0.92 | 0.0555 | 0.0555 | |
| 2006 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.117481203 | 1 | 0.001 | 0.0009 | |
| 2007 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.010544615 | 1 | 0.0037 | 0.0037 | |
| 2007 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_394+-C7 | 1 | 1 | 0.0094 | 0.00048 | |
| 2007 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.801369863 | 1 | 0.0026 | 0.002262 | |
| 2007 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 2.707386364 | 1 | 0.0001 | 0.0000976 | |
| 2007 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.962745098 | 1 | 0.0022 | 0.0022 | |
| 2007 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.815625 | 1 | 0.0005 | 0.0005 | |
| 2007 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.823906083 | 1 | 0.0001 | 0.0001 | |
| 2007 | 2-01-001-02 | 1474 | 050-040-1260-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.104111986 | 1 | 0.0579 | 0.0565104 | |
| 2007 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.916246216 | 1 | 0.0005 | 0.000468 | |
| 2007 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.916246216 | 1 | 0.003 | 0.002928 | |
| 2007 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.884735202 | 1 | 0.0002 | 0.0001952 | |
| 2007 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 0.869130869 | 1 | 0.0231 | 0.0229614 | |
| 2007 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 0.982233503 | 1 | 0.0002 | 0.0001952 | |
| 2007 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 2.707386364 | 1 | 0.0025 | 0.00244 | |
| 2007 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.136999098 | 1 | 0.003 | 0.002962 | |
| 2007 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.916246216 | 1 | 0.0035 | 0.003416 | |
| 2007 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.150047483 | 1 | 0.0018 | 0.00072 | |
| 2007 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.19245648 | 1 | 0.6145 | 0.56534 | |
| 2007 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.191674734 | 1 | 0.0003 | 0.000276 | |
| 2007 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.191674734 | 1 | 0.1426 | 0.131192 | |
| 2007 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.191674734 | 1 | 0.0007 | 0.000644 | |
| 2007 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.191674734 | 1 | 0.0007 | 0.000644 | |
| 2007 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.191674734 | 1 | 0.0003 | 0.000276 | |
| 2007 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.191674734 | 1 | 0.0003 | 0.00015 | |
| 2007 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.191674734 | 1 | 0.1474 | 0.135608 | |
| 2007 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.191674734 | 1 | 0.2259 | 0.207828 | |
| 2007 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.191674734 | 1 | 0.086 | 0.08096 | |
| 2007 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.191674734 | 1 | 0.0607 | 0.055844 | |
| 2007 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.191674734 | 1 | 0.087 | 0.08004 | |
| 2007 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.277978339 | 1 | 0.0035 | 0.00175 | |
| 2007 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.104111986 | 1 | 0.6679 | 0.33395 | |
| 2007 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.191674734 | 1 | 0.3399 | 0.16995 | |
| 2007 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.104111986 | 1 | 0.1163 | 0.05815 | |
| 2007 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.191674734 | 1 | 0.0354 | 0.0177 | |
| 2007 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.104111986 | 1 | 0.7926 | 0.3963 | |
| 2007 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.104111986 | 1 | 2.2008 | 1.1004 | |
| 2007 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.104111986 | 1 | 0.0015 | 0.00075 | |
| 2007 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.104111986 | 1 | 0.038 | 0.019 | |
| 2007 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.104111986 | 1 | 0.0156 | 0.0078 | |
| 2007 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.104111986 | 1 | 0.0026 | 0.0013 | |
| 2007 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.104111986 | 1 | 0.0192 | 0.0096 | |
| 2007 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.104111986 | 1 | 0.0024 | 0.0012 | |
| 2007 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.104111986 | 1 | 0.0029 | 0.00145 | |
| 2007 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.010544815 | 1 | 0.1206 | 0.1206 | |
| 2007 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.916246216 | 1 | 0.0002 | 0.00006 | |
| 2007 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.916246216 | 1 | 0.0179 | 0.0174704 | |
| 2007 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39&1 | 1.366180595 | 1 | 0.0321 | 0.0313296 | |
| 2007 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.116383166 | 1 | 0.0215 | 0.0215 | |
| 2007 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.104111986 | 1 | 0.0598 | 0.0299 | |
| 2007 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.150047483 | 1 | 0.0324 | 0.01296 | |
| 2007 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.104111986 | 1 | 0.0062 | 0.0031 | |
| 2007 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.183085502 | 1 | 0.0045 | 0.00414 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2007 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | | 1 | 0.0079 | 0.00553 |
| 2007 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.003 | | 1 | 0.1302 | 0.121737 |
| 2007 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.061284047 | | 1 | 0.2203 | 0.2059605 |
| 2007 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.951020408 | | 1 | 0.0082 | 0.0082 |
| 2007 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.063414634 | | 1 | 0.0069 | 0.0069 |
| 2007 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.014955135 | | 1 | 0.0006 | 0.0006 |
| 2007 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.014955135 | | 1 | 0.0014 | 0.0014 |
| 2007 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.96031746 | | 1 | 0.0005 | 0.0005 |
| 2007 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.848516949 | | 1 | 9.3289 | 4.23811927 |
| 2007 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.956211813 | | 1 | 2.6797 | 1.21738771 |
| 2007 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.130393996 | | 1 | 0.9211 | 0.45069423 |
| 2007 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.129434324 | | 1 | 0.3458 | 0.16919994 |
| 2007 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.07495069 | | 1 | 0.0789 | 0.03860577 |
| 2007 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.07495069 | | 1 | 0.3734 | 0.18270462 |
| 2007 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.07495069 | | 1 | 2.1179 | 1.03628647 |
| 2007 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.291331546 | | 1 | 0.509 | 0.2327148 |
| 2007 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.291331546 | | 1 | 1.8301 | 0.83672172 |
| 2007 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.291331546 | | 1 | 0.3127 | 0.14296644 |
| 2007 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.291331546 | | 1 | 1.0276 | 0.46991015 |
| 2007 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | | 1 | 4.3145 | 2.56410735 |
| 2007 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.065175097 | | 1 | 4.2261 | 2.51157123 |
| 2007 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.065175097 | | 1 | 0.54 | 0.320922 |
| 2007 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.956211813 | | 1 | 5.7655 | 3.42643665 |
| 2007 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-0000-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.920454545 | | 1 | 10.3869 | 4.71876867 |
| 2007 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | | 1 | 0.52 | 0.309036 |
| 2007 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.062317429 | | 1 | 0.0018 | 0.001764 |
| 2007 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.216396568 | | 1 | 0.0024 | 0.002358 |
| 2007 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | | 1 | 0.0005 | 0.00049175 |
| 2007 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.982396374 | | 1 | 0.0003 | 0.00029475 |
| 2007 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.144578313 | | 1 | 0.071 | 0.0497 |
| 2007 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002982107 | | 1 | 2.8736 | 2.6046288 |
| 2007 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.99518441 | 0.89 | 1 | 0.0537 | 0.0537 |
| 2007 | 850-860-0000-0000 | 850-860-0000-0000 | 850-870-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.134398496 | | 1 | 0.001 | 0.0009 |
| 2008 | 1-02-006-01 | 1474 | 050-905-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.010344815 | | 1 | 0.0037 | 0.0037 |
| 2008 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1 | | 1 | 0.0004 | 0.000348 |
| 2008 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.802739726 | | 1 | 0.0026 | 0.002262 |
| 2008 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.701704545 | | 1 | 0.0001 | 0.0002976 |
| 2008 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.961764706 | | 1 | 0.0021 | 0.0021 |
| 2008 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.821875 | | 1 | 0.0005 | 0.0005 |
| 2008 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.830306496 | | 1 | 0.0001 | 0.0001 |
| 2008 | 2-01-001-02 | 1474 | 052-040-1220-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.125109361 | | 1 | 0.059 | 0.057564 |
| 2008 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.937436932 | | 1 | 0.0005 | 0.000488 |
| 2008 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.937436932 | | 1 | 0.003 | 0.002828 |
| 2008 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I51 | 0.897196262 | | 1 | 0.0002 | 0.0001952 |
| 2008 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 0.845154845 | | 1 | 0.0225 | 0.022365 |
| 2008 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_5081-C2 | 0.962233503 | | 1 | 0.0002 | 0.0001952 |
| 2008 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.701704545 | | 1 | 0.0024 | 0.0023424 |
| 2008 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.159366283 | | 1 | 0.0031 | 0.0030814 |
| 2008 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.937436932 | | 1 | 0.0036 | 0.0035136 |
| 2008 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.199430199 | | 1 | 0.0019 | 0.00076 |
| 2008 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY36 | 1.214700193 | | 1 | 0.6257 | 0.575644 |
| 2008 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.212971926 | | 1 | 0.0003 | 0.000276 |
| 2008 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.212971926 | | 1 | 0.1452 | 0.133584 |
| 2008 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.212971926 | | 1 | 0.0007 | 0.000644 |
| 2008 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.212971926 | | 1 | 0.0007 | 0.000644 |
| 2008 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.212971926 | | 1 | 0.0003 | 0.000276 |
| 2008 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.212971926 | | 1 | 0.0003 | 0.00015 |
| 2008 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.212971926 | | 1 | 0.15 | 0.138 |
| 2008 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.212971926 | | 1 | 0.23 | 0.2116 |
| 2008 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.212971926 | | 1 | 0.0896 | 0.082432 |
| 2008 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.212971926 | | 1 | 0.0618 | 0.056856 |
| 2008 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.212971926 | | 1 | 0.0886 | 0.081512 |
| 2008 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_5081-out | 1.314981949 | | 1 | 0.0036 | 0.0018 |
| 2008 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.125109361 | | 1 | 0.6805 | 0.34025 |
| 2008 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.212971926 | | 1 | 0.346 | 0.173 |
| 2008 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.125109361 | | 1 | 0.1185 | 0.05925 |
| 2008 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.212971926 | | 1 | 0.036 | 0.018 |
| 2008 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.125109361 | | 1 | 0.8076 | 0.4038 |
| 2008 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.125109361 | | 1 | 2.2423 | 1.12115 |
| 2008 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.125109361 | | 1 | 0.0015 | 0.00075 |
| 2008 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.125109361 | | 1 | 0.0387 | 0.01935 |
| 2008 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.125109361 | | 1 | 0.0159 | 0.00795 |
| 2008 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.125109361 | | 1 | 0.0026 | 0.0013 |
| 2008 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.125109361 | | 1 | 0.0196 | 0.0098 |
| 2008 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.125109361 | | 1 | 0.0024 | 0.0012 |
| 2008 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.125109361 | | 1 | 0.0029 | 0.00145 |
| 2008 | 3-90-006-69 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.010544815 | | 1 | 0.1208 | 0.1208 |
| 2008 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.937436932 | | 1 | 0.0003 | 0.00009 |
| 2008 | 5-01-005-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.937436932 | | 1 | 0.0183 | 0.0178608 |
| 2008 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1.391855204 | | 1 | 0.0329 | 0.0321104 |
| 2008 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.120659445 | | 1 | 0.0215 | 0.0215 |
| 2008 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.125109361 | | 1 | 0.0609 | 0.03045 |
| 2008 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.199430199 | | 1 | 0.0338 | 0.01352 |
| 2008 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD | SAND/AGGREGATE | SIC_14-out | 1.125109361 | | 1 | 0.0063 | 0.00315 |
| 2008 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.197028622 | | 1 | 0.0046 | 0.004232 |
| 2008 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | | 1 | 0.0079 | 0.00553 |
| 2008 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.003 | | 1 | 0.1303 | 0.1218305 |
| 2008 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.069066148 | | 1 | 0.2219 | 0.2074765 |
| 2008 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.944897959 | | 1 | 0.0081 | 0.0081 |
| 2008 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.070243902 | | 1 | 0.0069 | 0.0069 |
| 2008 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.021934197 | | 1 | 0.0006 | 0.0006 |
| 2008 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.021934197 | | 1 | 0.0014 | 0.0014 |
| 2008 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.96031746 | | 1 | 0.0005 | 0.0005 |
| 2008 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.825211864 | | 1 | 9.0677 | 4.11945611 |
| 2008 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.951120163 | | 1 | 2.666 | 1.2111638 |
| 2008 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.142712946 | | 1 | 0.9292 | 0.45465756 |
| 2008 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.139968025 | | 1 | 0.3488 | 0.17066784 |
| 2008 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.07495069 | | 1 | 0.0788 | 0.03855684 |
| 2008 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.07495069 | | 1 | 0.3731 | 0.18255783 |
| 2008 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.07495069 | | 1 | 2.1162 | 1.03545666 |
| 2008 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.337801609 | | 1 | 0.5274 | 0.24112728 |
| 2008 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.337801609 | | 1 | 1.8964 | 0.86703408 |
| 2008 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.337801609 | | 1 | 0.324 | 0.1481328 |
| 2008 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.337801609 | | 1 | 1.0651 | 0.48696372 |
| 2008 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | | 1 | 4.3145 | 2.56410735 |
| 2008 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.072957198 | | 1 | 4.2567 | 2.52975681 |
| 2008 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.072957198 | | 1 | 0.5439 | 0.32323977 |
| 2008 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.951120163 | | 1 | 5.7361 | 3.40596423 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2008 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.912190083 | 1 | 10.2963 | 4.67760909 |
| 2008 | 650-652-0000-0000 | 650-652-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2008 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.069733396 | 1 | 0.0018 | 0.001764 |
| 2008 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.246901811 | 1 | 0.0025 | 0.00245625 |
| 2008 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0005 | 0.00049175 |
| 2008 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0260-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.958333333 | 1 | 0.0003 | 0.00029475 |
| 2008 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.161260426 | 1 | 0.0721 | 0.09347 |
| 2008 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002982107 | 1 | 2.8738 | 2.8048288 |
| 2008 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.99516441 | 0.86 | 0.0519 | 0.0519 |
| 2008 | 850-850-0000-0000 | 850-860-0000-0000 | 850-876-1160-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.15037594 | 1 | 0.001 | 0.0009 |
| 2009 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.021968366 | 1 | 0.0038 | 0.0038 |
| 2009 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1 | 1 | 0.0004 | 0.000348 |
| 2009 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.802739726 | 1 | 0.0026 | 0.002262 |
| 2009 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.694602273 | 1 | 0.0001 | 0.0000976 |
| 2009 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.956862745 | 1 | 0.0021 | 0.0021 |
| 2009 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.823958333 | 1 | 0.0005 | 0.0005 |
| 2009 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.833511206 | 1 | 0.0001 | 0.0001 |
| 2009 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.155730534 | 1 | 0.0606 | 0.0591456 |
| 2009 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.957818567 | 1 | 0.0005 | 0.000488 |
| 2009 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.957818567 | 1 | 0.0031 | 0.0030256 |
| 2009 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.904465213 | 1 | 0.0002 | 0.0001952 |
| 2009 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 0.876121876 | 1 | 0.0234 | 0.0232596 |
| 2009 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_5081-C2 | 0.976426396 | 1 | 0.0002 | 0.0001952 |
| 2009 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.694602273 | 1 | 0.0024 | 0.0023424 |
| 2009 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.181733458 | 1 | 0.0031 | 0.0030814 |
| 2009 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.957818567 | 1 | 0.0037 | 0.0036112 |
| 2009 | 3-05-002-01 | 2951 | 430-424-7008-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.199430199 | 1 | 0.0019 | 0.00076 |
| 2009 | 3-05-006-05 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.225338491 | 1 | 0.6313 | 0.560796 |
| 2009 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.223620523 | 1 | 0.0003 | 0.000276 |
| 2009 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.223620523 | 1 | 0.1485 | 0.13478 |
| 2009 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.223620523 | 1 | 0.0007 | 0.000644 |
| 2009 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.223620523 | 1 | 0.0007 | 0.000644 |
| 2009 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.223620523 | 1 | 0.0003 | 0.000276 |
| 2009 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.223620523 | 1 | 0.0003 | 0.00015 |
| 2009 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.223620523 | 1 | 0.1513 | 0.139196 |
| 2009 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.223620523 | 1 | 0.232 | 0.21344 |
| 2009 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.223620523 | 1 | 0.0904 | 0.083168 |
| 2009 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.223620523 | 1 | 0.0623 | 0.057316 |
| 2009 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.223620523 | 1 | 0.0893 | 0.082156 |
| 2009 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_5081-out | 1.352886087 | 1 | 0.0037 | 0.00185 |
| 2009 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.155730534 | 1 | 0.6995 | 0.34975 |
| 2009 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.223620523 | 1 | 0.349 | 0.1745 |
| 2009 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.155730534 | 1 | 0.1218 | 0.0609 |
| 2009 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.223620523 | 1 | 0.0364 | 0.0182 |
| 2009 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.155730534 | 1 | 0.83 | 0.415 |
| 2009 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.155730534 | 1 | 2.3046 | 1.1523 |
| 2009 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.155730534 | 1 | 0.0015 | 0.00075 |
| 2009 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.155730534 | 1 | 0.0398 | 0.0199 |
| 2009 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.155730534 | 1 | 0.0163 | 0.00815 |
| 2009 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.155730534 | 1 | 0.0027 | 0.00135 |
| 2009 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.155730534 | 1 | 0.0201 | 0.01005 |
| 2009 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.155730534 | 1 | 0.0025 | 0.00125 |
| 2009 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.155730534 | 1 | 0.003 | 0.0015 |
| 2009 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.021968366 | 1 | 0.1221 | 0.1221 |
| 2009 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.957818567 | 1 | 0.0003 | 0.00009 |
| 2009 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.957818567 | 1 | 0.0187 | 0.0182512 |
| 2009 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1.418099548 | 1 | 0.0335 | 0.032696 |
| 2009 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.124440466 | 1 | 0.0216 | 0.0216 |
| 2009 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.155730534 | 1 | 0.0626 | 0.0313 |
| 2009 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.199430199 | 1 | 0.0338 | 0.01352 |
| 2009 | 430-430-0000-0000 | 430-430-0000-0000 | 430-425-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.155730534 | 1 | 0.0065 | 0.00325 |
| 2009 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.224907063 | 1 | 0.0047 | 0.004324 |
| 2009 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2009 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.001 | 1 | 0.13 | 0.12155 |
| 2009 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.075875486 | 1 | 0.2233 | 0.2087855 |
| 2009 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.93877551 | 1 | 0.0081 | 0.0081 |
| 2009 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.07604878 | 1 | 0.007 | 0.007 |
| 2009 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.021934197 | 1 | 0.0006 | 0.0006 |
| 2009 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.021934197 | 1 | 0.0014 | 0.0014 |
| 2009 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.951386689 | 1 | 0.0005 | 0.0005 |
| 2009 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.800847458 | 1 | 8.8065 | 4.60075295 |
| 2009 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY13 | 0.946581513 | 1 | 2.6523 | 1.23493989 |
| 2009 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.151031696 | 1 | 0.9378 | 0.45866554 |
| 2009 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.149569552 | 1 | 0.352 | 0.1722336 |
| 2009 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.07495069 | 1 | 0.0768 | 0.03855684 |
| 2009 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.07495069 | 1 | 0.3732 | 0.18260676 |
| 2009 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.07495069 | 1 | 2.1155 | 1.03560345 |
| 2009 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.354271671 | 1 | 0.5459 | 0.24958548 |
| 2009 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.354271671 | 1 | 1.9628 | 0.89739216 |
| 2009 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.354271671 | 1 | 0.3353 | 0.15329916 |
| 2009 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.354271671 | 1 | 1.1024 | 0.50401728 |
| 2009 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.54110735 |
| 2009 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.079766537 | 1 | 4.2853 | 2.54675379 |
| 2009 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.079766537 | 1 | 0.5476 | 0.32543668 |
| 2009 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.946026513 | 1 | 5.7057 | 3.39149181 |
| 2009 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.902892562 | 1 | 10.1906 | 4.62959658 |
| 2009 | 650-652-0000-0000 | 650-652-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2009 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.075949367 | 1 | 0.0018 | 0.001764 |
| 2009 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.276453765 | 1 | 0.0026 | 0.0025545 |
| 2009 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0005 | 0.00049175 |
| 2009 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0260-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.953252033 | 1 | 0.0003 | 0.00029475 |
| 2009 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.177942539 | 1 | 0.0731 | 0.05117 |
| 2009 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002982107 | 1 | 2.8738 | 2.8048288 |
| 2009 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.99516441 | 0.84 | 0.0507 | 0.0507 |
| 2009 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.168233083 | 1 | 0.001 | 0.0009 |
| 2010 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.043936731 | 1 | 0.0036 | 0.0036 |
| 2010 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1.032258065 | 1 | 0.0004 | 0.000348 |
| 2010 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.802739726 | 1 | 0.0026 | 0.002262 |
| 2010 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.690540909 | 1 | 0.0001 | 0.0000976 |
| 2010 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.956862745 | 1 | 0.0021 | 0.0021 |
| 2010 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.829166667 | 1 | 0.0005 | 0.0005 |
| 2010 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.837780149 | 1 | 0.0001 | 0.0001 |
| 2010 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.187226597 | 1 | 0.0623 | 0.0608048 |
| 2010 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.977800202 | 1 | 0.0006 | 0.0005856 |
| 2010 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.977800202 | 1 | 0.0032 | 0.0031232 |
| 2010 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.91568785 | 1 | 0.0002 | 0.0001952 |
| 2010 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 0.919080919 | 1 | 0.0245 | 0.024353 |
| 2010 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_5081-C2 | 0.979695431 | 1 | 0.0002 | 0.0001952 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2010 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.690342909 | 1 | 0.0024 | 0.0023424 |
| 2010 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+out | 1.227399814 | 1 | 0.0032 | 0.0031808 |
| 2010 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.977600202 | 1 | 0.0037 | 0.0036112 |
| 2010 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.249762583 | 1 | 0.0019 | 0.00076 |
| 2010 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.245647969 | 1 | 0.6421 | 0.590732 |
| 2010 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.244917715 | 1 | 0.0004 | 0.000366 |
| 2010 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.244917715 | 1 | 0.149 | 0.13706 |
| 2010 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.244917715 | 1 | 0.0007 | 0.000644 |
| 2010 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.244917715 | 1 | 0.0007 | 0.000644 |
| 2010 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.244917715 | 1 | 0.0004 | 0.000368 |
| 2010 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.244917715 | 1 | 0.0004 | 0.0002 |
| 2010 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.244917715 | 1 | 0.1539 | 0.141568 |
| 2010 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.244917715 | 1 | 0.236 | 0.21712 |
| 2010 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.244917715 | 1 | 0.0919 | 0.084548 |
| 2010 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.244917715 | 1 | 0.0634 | 0.058328 |
| 2010 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.244917715 | 1 | 0.0909 | 0.083628 |
| 2010 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.391696751 | 1 | 0.0038 | 0.0019 |
| 2010 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.187226597 | 1 | 0.7184 | 0.3592 |
| 2010 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.244917715 | 1 | 0.3551 | 0.17755 |
| 2010 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.187226597 | 1 | 0.1251 | 0.06255 |
| 2010 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.244917715 | 1 | 0.037 | 0.0185 |
| 2010 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.187226597 | 1 | 0.8524 | 0.4262 |
| 2010 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.187226597 | 1 | 2.3669 | 1.18345 |
| 2010 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.187226597 | 1 | 0.0016 | 0.0008 |
| 2010 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.187226597 | 1 | 0.0408 | 0.0204 |
| 2010 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.187226597 | 1 | 0.0167 | 0.00835 |
| 2010 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.187226597 | 1 | 0.0028 | 0.0014 |
| 2010 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.187226597 | 1 | 0.0207 | 0.01035 |
| 2010 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.187226597 | 1 | 0.0025 | 0.00125 |
| 2010 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.187226597 | 1 | 0.0031 | 0.00155 |
| 2010 | 3-90-006-69 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.043956731 | 1 | 0.1247 | 0.1247 |
| 2010 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.977600202 | 1 | 0.0003 | 0.00009 |
| 2010 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.977600202 | 1 | 0.0191 | 0.0186416 |
| 2010 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1.447963801 | 1 | 0.0342 | 0.0333792 |
| 2010 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.129811995 | 1 | 0.0217 | 0.0217 |
| 2010 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.187226597 | 1 | 0.0643 | 0.03215 |
| 2010 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.249762583 | 1 | 0.0352 | 0.01408 |
| 2010 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD | SAND/AGGREGATE | SIC_14-out | 1.187226597 | 1 | 0.0067 | 0.00335 |
| 2010 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.238847584 | 1 | 0.0047 | 0.004324 |
| 2010 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2010 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 0.999 | 1 | 0.1298 | 0.121363 |
| 2010 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.082684825 | 1 | 0.2247 | 0.2130945 |
| 2010 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.933673469 | 1 | 0.009 | 0.009 |
| 2010 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.086829268 | 1 | 0.007 | 0.007 |
| 2010 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.024925224 | 1 | 0.0006 | 0.0006 |
| 2010 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.024925224 | 1 | 0.0014 | 0.0014 |
| 2010 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.943452381 | 1 | 0.0005 | 0.0005 |
| 2010 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.775423729 | 1 | 6.5266 | 3.87363439 |
| 2010 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.941955193 | 1 | 2.8366 | 1.19871598 |
| 2010 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.163227017 | 1 | 0.9476 | 0.46375854 |
| 2010 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.162032598 | 1 | 0.3557 | 0.17404401 |
| 2010 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.075936884 | 1 | 0.0789 | 0.03860577 |
| 2010 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.075936884 | 1 | 0.3736 | 0.18280249 |
| 2010 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.075936884 | 1 | 2.119 | 1.0369267 |
| 2010 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.431635389 | 1 | 0.5643 | 0.25799796 |
| 2010 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.431635389 | 1 | 2.0291 | 0.92770452 |
| 2010 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.431635389 | 1 | 0.3467 | 0.15851124 |
| 2010 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.431635389 | 1 | 1.1396 | 0.52102512 |
| 2010 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 |
| 2010 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.086575875 | 1 | 4.312 | 2.5626216 |
| 2010 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.086575875 | 1 | 0.551 | 0.3274593 |
| 2010 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.941955193 | 1 | 5.6772 | 3.37395996 |
| 2010 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.995661157 | 1 | 10.1001 | 4.58847543 |
| 2010 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2010 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.091791626 | 1 | 0.0018 | 0.001764 |
| 2010 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.306959009 | 1 | 0.0026 | 0.0025545 |
| 2010 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0005 | 0.00049175 |
| 2010 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.950203252 | 1 | 0.0003 | 0.00029475 |
| 2010 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY45 | 1.196478221 | 1 | 0.0743 | 0.05201 |
| 2010 | 810-810-0000-0000 | 810-810-0000-0000 | 810-806-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002962107 | 1 | 2.8736 | 2.8048286 |
| 2010 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.99516441 | 0.81 | 0.0488 | 0.0488 |
| 2010 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.185150376 | 1 | 0.001 | 0.0009 |
| 2011 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.054481547 | 1 | 0.0039 | 0.0039 |
| 2011 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1.032258065 | 1 | 0.0004 | 0.000348 |
| 2011 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.805479452 | 1 | 0.0026 | 0.002262 |
| 2011 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.684659091 | 1 | 0.0001 | 0.0000976 |
| 2011 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.956862745 | 1 | 0.0021 | 0.0021 |
| 2011 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.834375 | 1 | 0.0005 | 0.0005 |
| 2011 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.843116329 | 1 | 0.0001 | 0.0001 |
| 2011 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.21672266 | 1 | 0.0639 | 0.0623664 |
| 2011 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 0.995963673 | 1 | 0.0006 | 0.0005856 |
| 2011 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 0.995963673 | 1 | 0.0032 | 0.0031232 |
| 2011 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.926272066 | 1 | 0.0002 | 0.0001952 |
| 2011 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 2.452547453 | 1 | 0.0653 | 0.0649062 |
| 2011 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 0.979695431 | 1 | 0.0002 | 0.0001952 |
| 2011 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.684659091 | 1 | 0.0024 | 0.0023424 |
| 2011 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+out | 1.249767008 | 1 | 0.0033 | 0.0032802 |
| 2011 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.995963673 | 1 | 0.0038 | 0.0037066 |
| 2011 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.249762583 | 1 | 0.0019 | 0.00076 |
| 2011 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.263056093 | 1 | 0.6509 | 0.598628 |
| 2011 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.266214908 | 1 | 0.0004 | 0.000368 |
| 2011 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.266214908 | 1 | 0.1515 | 0.13938 |
| 2011 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.266214908 | 1 | 0.0007 | 0.000644 |
| 2011 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.266214908 | 1 | 0.0007 | 0.000644 |
| 2011 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.266214908 | 1 | 0.0004 | 0.000368 |
| 2011 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.266214908 | 1 | 0.0004 | 0.0002 |
| 2011 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.266214908 | 1 | 0.1566 | 0.144072 |
| 2011 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.266214908 | 1 | 0.24 | 0.2208 |
| 2011 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.266214908 | 1 | 0.0935 | 0.08602 |
| 2011 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.266214908 | 1 | 0.0645 | 0.05934 |
| 2011 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.266214908 | 1 | 0.0924 | 0.085008 |
| 2011 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.429602888 | 1 | 0.0039 | 0.00195 |
| 2011 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.21672266 | 1 | 0.7373 | 0.36865 |
| 2011 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.266214908 | 1 | 0.3611 | 0.18055 |
| 2011 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.21672266 | 1 | 0.1284 | 0.0642 |
| 2011 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.266214908 | 1 | 0.0376 | 0.0188 |
| 2011 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.21672266 | 1 | 0.8749 | 0.43745 |
| 2011 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.21672266 | 1 | 2.4291 | 1.21455 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2011 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.21872256 | 1 | 0.0016 | 0.0008 |
| 2011 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.21872256 | 1 | 0.0419 | 0.02095 |
| 2011 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.21872256 | 1 | 0.0172 | 0.0086 |
| 2011 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.21872256 | 1 | 0.0029 | 0.00145 |
| 2011 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.21872256 | 1 | 0.0212 | 0.0106 |
| 2011 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.21872256 | 1 | 0.0026 | 0.0013 |
| 2011 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.21872256 | 1 | 0.0032 | 0.0016 |
| 2011 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.054481547 | 1 | 0.129 | 0.129 |
| 2011 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 0.995963673 | 1 | 0.0003 | 0.00009 |
| 2011 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 0.995963673 | 1 | 0.0195 | 0.019032 |
| 2011 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1.479635009 | 1 | 0.0349 | 0.0340624 |
| 2011 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.135183527 | 1 | 0.0216 | 0.0216 |
| 2011 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.21872256 | 1 | 0.066 | 0.033 |
| 2011 | 430-426-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.249762583 | 1 | 0.0352 | 0.01408 |
| 2011 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.21872256 | 1 | 0.0069 | 0.00345 |
| 2011 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.257657993 | 1 | 0.0045 | 0.004508 |
| 2011 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2011 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1 | 1 | 0.1299 | 0.1214565 |
| 2011 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.090466926 | 1 | 0.2263 | 0.2115905 |
| 2011 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.92755102 | 1 | 0.008 | 0.008 |
| 2011 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.093658537 | 1 | 0.0071 | 0.0071 |
| 2011 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.029910269 | 1 | 0.0006 | 0.0006 |
| 2011 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.029910269 | 1 | 0.0014 | 0.0014 |
| 2011 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEC_R2 | 0.933531746 | 1 | 0.0005 | 0.0005 |
| 2011 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.752118644 | 1 | 8.2654 | 3.75497122 |
| 2011 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.936883544 | 1 | 2.625 | 1.1925375 |
| 2011 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.174484053 | 1 | 0.9569 | 0.46821117 |
| 2011 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.173537672 | 1 | 0.3591 | 0.17570763 |
| 2011 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.076923077 | 1 | 0.0789 | 0.03660577 |
| 2011 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.076923077 | 1 | 0.3739 | 0.18290034 |
| 2011 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.076923077 | 1 | 2.12 | 1.037316 |
| 2011 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.478999106 | 1 | 0.5832 | 0.26663904 |
| 2011 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.478999106 | 1 | 2.0988 | 0.95865696 |
| 2011 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.478999106 | 1 | 0.3582 | 0.16376904 |
| 2011 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.478999106 | 1 | 1.1777 | 0.53844444 |
| 2011 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 |
| 2011 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.095330739 | 1 | 4.3445 | 2.58193635 |
| 2011 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY16 | 1.095330739 | 1 | 0.5551 | 0.32989593 |
| 2011 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.936883544 | 1 | 5.6478 | 3.35648754 |
| 2011 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.686336656 | 1 | 9.6944 | 4.54045592 |
| 2011 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2011 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.089581305 | 1 | 0.0018 | 0.001764 |
| 2011 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.337464252 | 1 | 0.0027 | 0.00265275 |
| 2011 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0095 | 0.00949175 |
| 2011 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.945121951 | 1 | 0.0003 | 0.00025475 |
| 2011 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.214067118 | 1 | 0.0753 | 0.05271 |
| 2011 | 610-810-0000-0000 | 810-610-0000-0000 | 810-806-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002962107 | 1 | 2.8738 | 2.8048286 |
| 2011 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.969361702 | 0.9 | 0.048 | 0.048 |
| 2011 | 650-680-0000-0000 | 850-680-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.203007519 | 1 | 0.0011 | 0.00099 |
| 2012 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.065505097 | 1 | 0.0039 | 0.0039 |
| 2012 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1.032258065 | 1 | 0.0004 | 0.000348 |
| 2012 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.806845315 | 1 | 0.0026 | 0.002262 |
| 2012 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.976977273 | 1 | 0.0001 | 0.0000976 |
| 2012 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.957843137 | 1 | 0.0021 | 0.0021 |
| 2012 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.839583333 | 1 | 0.0005 | 0.0005 |
| 2012 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.846318036 | 1 | 0.0001 | 0.0001 |
| 2012 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.239720035 | 1 | 0.065 | 0.06344 |
| 2012 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 1.015136226 | 1 | 0.0006 | 0.0005856 |
| 2012 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 1.015136226 | 1 | 0.0033 | 0.0032208 |
| 2012 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.937694704 | 1 | 0.0002 | 0.0001952 |
| 2012 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 3.986013986 | 1 | 0.106 | 0.105364 |
| 2012 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 0.976426396 | 1 | 0.0002 | 0.0001952 |
| 2012 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.976977273 | 1 | 0.0024 | 0.0023424 |
| 2012 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.27306617 | 1 | 0.0034 | 0.0033796 |
| 2012 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1.015136226 | 1 | 0.0039 | 0.0038064 |
| 2012 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.249762583 | 1 | 0.0019 | 0.00076 |
| 2012 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY36 | 1.280464217 | 1 | 0.6598 | 0.607016 |
| 2012 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.276863504 | 1 | 0.0004 | 0.000368 |
| 2012 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.276863504 | 1 | 0.1528 | 0.140576 |
| 2012 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.276863504 | 1 | 0.0007 | 0.000644 |
| 2012 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.276863504 | 1 | 0.0007 | 0.000644 |
| 2012 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.276863504 | 1 | 0.0004 | 0.000368 |
| 2012 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.276863504 | 1 | 0.0004 | 0.0002 |
| 2012 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.276863504 | 1 | 0.1579 | 0.145268 |
| 2012 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.276863504 | 1 | 0.2421 | 0.222732 |
| 2012 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.276863504 | 1 | 0.0943 | 0.086756 |
| 2012 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.276863504 | 1 | 0.065 | 0.0598 |
| 2012 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.276863504 | 1 | 0.0932 | 0.085744 |
| 2012 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.467509025 | 1 | 0.004 | 0.002 |
| 2012 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.239720035 | 1 | 0.7499 | 0.37495 |
| 2012 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.276863504 | 1 | 0.3642 | 0.1821 |
| 2012 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.239720035 | 1 | 0.1306 | 0.0653 |
| 2012 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.276863504 | 1 | 0.0379 | 0.01895 |
| 2012 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.239720035 | 1 | 0.8898 | 0.4449 |
| 2012 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.239720035 | 1 | 2.4707 | 1.23535 |
| 2012 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.239720035 | 1 | 0.0016 | 0.0008 |
| 2012 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.239720035 | 1 | 0.0426 | 0.0213 |
| 2012 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.239720035 | 1 | 0.0175 | 0.00875 |
| 2012 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.239720035 | 1 | 0.0029 | 0.00145 |
| 2012 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.239720035 | 1 | 0.0216 | 0.0108 |
| 2012 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.239720035 | 1 | 0.0026 | 0.0013 |
| 2012 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.239720035 | 1 | 0.0032 | 0.0016 |
| 2012 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.065505097 | 1 | 0.1273 | 0.1273 |
| 2012 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 1.015136226 | 1 | 0.0003 | 0.00009 |
| 2012 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1.015136226 | 1 | 0.0196 | 0.0193245 |
| 2012 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1.51340724 | 1 | 0.0357 | 0.0348432 |
| 2012 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.140555056 | 1 | 0.0219 | 0.0219 |
| 2012 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.239720035 | 1 | 0.0671 | 0.03355 |
| 2012 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.249762583 | 1 | 0.0352 | 0.01408 |
| 2012 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.239720035 | 1 | 0.007 | 0.0035 |
| 2012 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.261598513 | 1 | 0.0049 | 0.004596 |
| 2012 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2012 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.001 | 1 | 0.13 | 0.12155 |
| 2012 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.097276265 | 1 | 0.2276 | 0.212993 |
| 2012 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.921428571 | 1 | 0.0079 | 0.0079 |
| 2012 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.100487805 | 1 | 0.0071 | 0.0071 |
| 2012 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.034895314 | 1 | 0.0006 | 0.0006 |
| 2012 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.034895314 | 1 | 0.0014 | 0.0014 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2012 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.924603175 | 1 | | 0.0005 | 0.0005 |
| 2012 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.727754237 | 1 | | 8.0042 | 3.63630806 |
| 2012 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.930753564 | 1 | | 2.6079 | 1.18476897 |
| 2012 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.185741088 | 1 | | 0.966 | 0.4726636 |
| 2012 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.184084372 | 1 | | 0.3625 | 0.17737125 |
| 2012 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.076923077 | 1 | | 0.079 | 0.0386547 |
| 2012 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.076923077 | 1 | | 0.374 | 0.1829982 |
| 2012 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.076923077 | 1 | | 2.121 | 1.0378053 |
| 2012 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.527256479 | 1 | | 0.602 | 0.2752344 |
| 2012 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.527256479 | 1 | | 2.1645 | 0.9896094 |
| 2012 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.527256479 | 1 | | 0.3698 | 0.16907256 |
| 2012 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.527256479 | 1 | | 1.2157 | 0.55581804 |
| 2012 | 645-640-0000-0000 | 645-640-0000-0000 | 645-636-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | | 4.3145 | 2.56410735 |
| 2012 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.10311284 | 1 | | 4.377 | 2.6012511 |
| 2012 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.10311284 | 1 | | 0.5593 | 0.33239199 |
| 2012 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.930753564 | 1 | | 5.6111 | 3.33467673 |
| 2012 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.876033058 | 1 | | 9.8887 | 4.43243641 |
| 2012 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | | 0.52 | 0.309036 |
| 2012 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.097370983 | 1 | | 0.0019 | 0.001862 |
| 2012 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.367016206 | 1 | | 0.0025 | 0.002751 |
| 2012 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | | 0.0005 | 0.00049175 |
| 2012 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.941056911 | 1 | | 0.0003 | 0.00029475 |
| 2012 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.230769231 | 1 | | 0.0784 | 0.05348 |
| 2012 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002982107 | 1 | | 2.8738 | 2.8048288 |
| 2012 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.977756286 | 0.79 | | 0.0468 | 0.0468 |
| 2012 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.219924812 | 1 | | 0.0011 | 0.00099 |
| 2013 | 1-02-006-01 | 1474 | 050-905-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-I35 | 1.087873462 | 1 | | 0.004 | 0.004 |
| 2013 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_4944-C7 | 1.032256065 | 1 | | 0.0004 | 0.000348 |
| 2013 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.826219178 | 1 | | 0.0026 | 0.002262 |
| 2013 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.674715909 | 1 | | 0.0001 | 0.0000976 |
| 2013 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-97C5 | 0.957643137 | 1 | | 0.0021 | 0.0021 |
| 2013 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.844791667 | 1 | | 0.0005 | 0.0005 |
| 2013 | 1-03-C10-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.851654216 | 1 | | 0.0001 | 0.0001 |
| 2013 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.270341207 | 1 | | 0.0667 | 0.0650992 |
| 2013 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 1.033299697 | 1 | | 0.0006 | 0.0005856 |
| 2013 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 1.033299697 | 1 | | 0.0033 | 0.0032208 |
| 2013 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.949117342 | 1 | | 0.0002 | 0.0001852 |
| 2013 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 5.519480519 | 1 | | 0.1488 | 0.1459192 |
| 2013 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 0.978426396 | 1 | | 0.0002 | 0.0001952 |
| 2013 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.674715909 | 1 | | 0.0023 | 0.0022448 |
| 2013 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_4944-out | 1.295433364 | 1 | | 0.0034 | 0.0033796 |
| 2013 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1.033299697 | 1 | | 0.004 | 0.003904 |
| 2013 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.299145299 | 1 | | 0.002 | 0.0008 |
| 2013 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.29787234 | 1 | | 0.6687 | 0.615204 |
| 2013 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.298160697 | 1 | | 0.0004 | 0.000368 |
| 2013 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.298160697 | 1 | | 0.1554 | 0.142968 |
| 2013 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.298160697 | 1 | | 0.0007 | 0.000644 |
| 2013 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.298160697 | 1 | | 0.0007 | 0.000644 |
| 2013 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.298160697 | 1 | | 0.0004 | 0.000368 |
| 2013 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.298160697 | 1 | | 0.0004 | 0.0002 |
| 2013 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.298160697 | 1 | | 0.1605 | 0.14756 |
| 2013 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.298160697 | 1 | | 0.2461 | 0.226412 |
| 2013 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.298160697 | 1 | | 0.0359 | 0.033228 |
| 2013 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.298160697 | 1 | | 0.0661 | 0.060812 |
| 2013 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.298160697 | 1 | | 0.0648 | 0.059216 |
| 2013 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.505415162 | 1 | | 0.0041 | 0.00205 |
| 2013 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.270341207 | 1 | | 0.7688 | 0.3844 |
| 2013 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.298160697 | 1 | | 0.3702 | 0.1851 |
| 2013 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.270341207 | 1 | | 0.1339 | 0.06695 |
| 2013 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.298160697 | 1 | | 0.0386 | 0.0193 |
| 2013 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.270341207 | 1 | | 0.9123 | 0.45615 |
| 2013 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.270341207 | 1 | | 2.533 | 1.2665 |
| 2013 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.270341207 | 1 | | 0.0017 | 0.00085 |
| 2013 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.270341207 | 1 | | 0.0437 | 0.02185 |
| 2013 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.270341207 | 1 | | 0.0179 | 0.00895 |
| 2013 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.270341207 | 1 | | 0.003 | 0.0015 |
| 2013 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.270341207 | 1 | | 0.0221 | 0.01105 |
| 2013 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.270341207 | 1 | | 0.0027 | 0.00135 |
| 2013 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.270341207 | 1 | | 0.0033 | 0.00165 |
| 2013 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.087873462 | 1 | | 0.13 | 0.13 |
| 2013 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 1.033299697 | 1 | | 0.0003 | 0.00039 |
| 2013 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1.033299697 | 1 | | 0.0202 | 0.0197152 |
| 2013 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1.542061448 | 1 | | 0.0364 | 0.0355264 |
| 2013 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.145926589 | 1 | | 0.022 | 0.022 |
| 2013 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.270341207 | 1 | | 0.0688 | 0.0344 |
| 2013 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.299145299 | 1 | | 0.0366 | 0.01464 |
| 2013 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.270341207 | 1 | | 0.0072 | 0.0036 |
| 2013 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.309479554 | 1 | | 0.005 | 0.0046 |
| 2013 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | | 0.0079 | 0.00553 |
| 2013 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.001 | 1 | | 0.13 | 0.1215 |
| 2013 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.105058366 | 1 | | 0.2294 | 0.214489 |
| 2013 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.916328531 | 1 | | 0.0079 | 0.0079 |
| 2013 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.107317073 | 1 | | 0.0072 | 0.0072 |
| 2013 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.040877368 | 1 | | 0.0006 | 0.0006 |
| 2013 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.040877368 | 1 | | 0.0014 | 0.0014 |
| 2013 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.915874603 | 1 | | 0.0005 | 0.0005 |
| 2013 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.704449153 | 1 | | 7.743 | 3.5176449 |
| 2013 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.925661914 | 1 | | 2.5942 | 1.17654506 |
| 2013 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.186060038 | 1 | | 0.9746 | 0.47687178 |
| 2013 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.195583645 | 1 | | 0.3658 | 0.17898594 |
| 2013 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.07759027 | 1 | | 0.079 | 0.0386547 |
| 2013 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.07759027 | 1 | | 0.3742 | 0.18309606 |
| 2013 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.07759027 | 1 | | 2.1219 | 1.03824567 |
| 2013 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.574620197 | 1 | | 0.6208 | 0.28382976 |
| 2013 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.574620197 | 1 | | 2.2322 | 1.02056184 |
| 2013 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.574620197 | 1 | | 0.3814 | 0.17437608 |
| 2013 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.574620197 | 1 | | 1.2537 | 0.57319164 |
| 2013 | 645-640-0000-0000 | 645-640-0000-0000 | 645-636-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | | 4.3145 | 2.56410735 |
| 2013 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.110894942 | 1 | | 4.4075 | 2.61937725 |
| 2013 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.110894942 | 1 | | 0.5632 | 0.33470976 |
| 2013 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.925661914 | 1 | | 5.5816 | 3.31714489 |
| 2013 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.866735537 | 1 | | 9.783 | 4.4444169 |
| 2013 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | | 0.52 | 0.309036 |
| 2013 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.105160662 | 1 | | 0.0019 | 0.001862 |
| 2013 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.397521449 | 1 | | 0.0028 | 0.002751 |
| 2013 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | | 0.0005 | 0.00049175 |
| 2013 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.93597561 | 1 | | 0.0003 | 0.00029475 |
| 2013 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.247451344 | 1 | | 0.0775 | 0.05425 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2013 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002962137 | 1 | 2.5736 | 2.8048286 |
| 2013 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.972920696 | 0.76 | 0.046 | 0.046 |
| 2013 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.236721805 | 1 | 0.0011 | 0.00099 |
| 2014 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-135 | 1.109841828 | 1 | 0.0041 | 0.0041 |
| 2014 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1.032258065 | 1 | 0.0004 | 0.000348 |
| 2014 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.809589041 | 1 | 0.0026 | 0.002262 |
| 2014 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.659034091 | 1 | 0.0001 | 0.0000976 |
| 2014 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-9705 | 0.957843137 | 1 | 0.0021 | 0.0021 |
| 2014 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.548958333 | 1 | 0.0005 | 0.0005 |
| 2014 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.854855823 | 1 | 0.0001 | 0.0001 |
| 2014 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.30183727 | 1 | 0.0663 | 0.0666608 |
| 2014 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 1.053481332 | 1 | 0.0006 | 0.0005856 |
| 2014 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 1.053481332 | 1 | 0.0034 | 0.0033194 |
| 2014 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.959501558 | 1 | 0.0002 | 0.0001952 |
| 2014 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 7.052947053 | 1 | 0.1576 | 0.1864744 |
| 2014 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 0.975426396 | 1 | 0.0002 | 0.0001952 |
| 2014 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.659034091 | 1 | 0.0023 | 0.0022448 |
| 2014 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.316792526 | 1 | 0.0035 | 0.003479 |
| 2014 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1.053481332 | 1 | 0.004 | 0.003904 |
| 2014 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_2958&out | 1.349477683 | 1 | 0.0021 | 0.00084 |
| 2014 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.315280464 | 1 | 0.6775 | 0.6233 |
| 2014 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.31945789 | 1 | 0.0004 | 0.000368 |
| 2014 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.31945789 | 1 | 0.1578 | 0.145268 |
| 2014 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.31945789 | 1 | 0.0007 | 0.000644 |
| 2014 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.31945789 | 1 | 0.0007 | 0.000644 |
| 2014 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.31945789 | 1 | 0.0004 | 0.000368 |
| 2014 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.31945789 | 1 | 0.0004 | 0.0002 |
| 2014 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.31945789 | 1 | 0.1631 | 0.150052 |
| 2014 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.31945789 | 1 | 0.2501 | 0.230092 |
| 2014 | 3-05-006-16 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.31945789 | 1 | 0.0974 | 0.089608 |
| 2014 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.31945789 | 1 | 0.0672 | 0.061824 |
| 2014 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.31945789 | 1 | 0.0963 | 0.088596 |
| 2014 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.542418773 | 1 | 0.0042 | 0.0021 |
| 2014 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.30183727 | 1 | 0.7877 | 0.39386 |
| 2014 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.31945789 | 1 | 0.3763 | 0.15815 |
| 2014 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.30183727 | 1 | 0.1371 | 0.06855 |
| 2014 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.31945789 | 1 | 0.0392 | 0.0196 |
| 2014 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.30183727 | 1 | 0.9347 | 0.46735 |
| 2014 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.30183727 | 1 | 2.5952 | 1.2976 |
| 2014 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.30183727 | 1 | 0.0017 | 0.00085 |
| 2014 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.30183727 | 1 | 0.0448 | 0.0224 |
| 2014 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.30183727 | 1 | 0.0183 | 0.00915 |
| 2014 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.30183727 | 1 | 0.0031 | 0.00155 |
| 2014 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.30183727 | 1 | 0.0227 | 0.01135 |
| 2014 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.30183727 | 1 | 0.0028 | 0.0014 |
| 2014 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.30183727 | 1 | 0.0034 | 0.0017 |
| 2014 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-135 | 1.109841828 | 1 | 0.1326 | 0.1325 |
| 2014 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 1.053481332 | 1 | 0.0003 | 0.00009 |
| 2014 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1.053481332 | 1 | 0.0206 | 0.0201056 |
| 2014 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39131 | 1.572850679 | 1 | 0.0371 | 0.0362096 |
| 2014 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.15129812 | 1 | 0.0221 | 0.0221 |
| 2014 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.30183727 | 1 | 0.0705 | 0.03525 |
| 2014 | 430-420-0000-0000 | 430-420-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_2958&out | 1.349477683 | 1 | 0.038 | 0.0152 |
| 2014 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.30183727 | 1 | 0.0073 | 0.00365 |
| 2014 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.337360595 | 1 | 0.0051 | 0.004692 |
| 2014 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2014 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.002 | 1 | 0.1301 | 0.1216435 |
| 2014 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.112840467 | 1 | 0.231 | 0.215985 |
| 2014 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY10 | 0.91122449 | 1 | 0.0078 | 0.0075 |
| 2014 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.113170732 | 1 | 0.0072 | 0.0072 |
| 2014 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.045862413 | 1 | 0.0006 | 0.0006 |
| 2014 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.045862413 | 1 | 0.0014 | 0.0014 |
| 2014 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.907738095 | 1 | 0.0005 | 0.0005 |
| 2014 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.681144069 | 1 | 7.4818 | 3.39698174 |
| 2014 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.920570265 | 1 | 2.5805 | 1.17232115 |
| 2014 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.206376987 | 1 | 0.9602 | 0.48107976 |
| 2014 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.206136146 | 1 | 0.3692 | 0.18064956 |
| 2014 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.07790927 | 1 | 0.0791 | 0.03870563 |
| 2014 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.07790927 | 1 | 0.3743 | 0.18314499 |
| 2014 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.07790927 | 1 | 2.1229 | 1.03873497 |
| 2014 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.621983914 | 1 | 0.6396 | 0.29242512 |
| 2014 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.621983914 | 1 | 2.2999 | 1.05151428 |
| 2014 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.621983914 | 1 | 0.3529 | 0.17963398 |
| 2014 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.621983914 | 1 | 1.2917 | 0.59056524 |
| 2014 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 |
| 2014 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.118677043 | 1 | 4.44 | 2.636892 |
| 2014 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.118677043 | 1 | 0.5673 | 0.33714639 |
| 2014 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.920570265 | 1 | 5.5522 | 3.29967246 |
| 2014 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.857438017 | 1 | 9.6773 | 4.39639739 |
| 2014 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2014 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-0200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.112660341 | 1 | 0.0015 | 0.001562 |
| 2014 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.428026692 | 1 | 0.0229 | 0.0228925 |
| 2014 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0005 | 0.00043175 |
| 2014 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.931910569 | 1 | 0.0003 | 0.0002975 |
| 2014 | 690-680-0000-0000 | 690-680-0000-0000 | 690-680-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY49 | 1.254133457 | 1 | 0.0765 | 0.06495 |
| 2014 | 810-810-0000-0000 | 810-810-0000-0000 | 810-808-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002962107 | 1 | 2.5736 | 2.8048286 |
| 2014 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.96131528 | 0.76 | 0.0443 | 0.0443 |
| 2014 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.255639098 | 1 | 0.0011 | 0.00099 |
| 2015 | 1-02-006-01 | 1474 | 050-005-0110-0000 | MANUFACTURING AND INDUSTRIAL | BOILERS | NATURAL GAS | SIC_14-135 | 1.120386643 | 1 | 0.0041 | 0.0041 |
| 2015 | 1-03-004-02 | 4961 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | SIC_494+-C7 | 1.032258065 | 1 | 0.0004 | 0.000348 |
| 2015 | 1-03-004-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-C7 | 0.809589041 | 1 | 0.0026 | 0.002262 |
| 2015 | 1-03-005-01 | 9711 | 060-005-1220-0000 | SERVICE AND COMMERCIAL | BOILERS | DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.663352273 | 1 | 0.0001 | 0.0000976 |
| 2015 | 1-03-006-02 | 9223 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | SIC_91-9705 | 0.957843137 | 1 | 0.0021 | 0.0021 |
| 2015 | 1-03-006-03 | 9711 | 060-005-0110-0000 | SERVICE AND COMMERCIAL | BOILERS | NATURAL GAS | FED_MIL-C5 | 0.854166667 | 1 | 0.0005 | 0.0005 |
| 2015 | 1-03-010-02 | 9711 | 060-005-0124-0000 | SERVICE AND COMMERCIAL | BOILERS | PROPANE | FED_MIL-C3 | 0.860192102 | 1 | 0.0001 | 0.0001 |
| 2015 | 2-01-001-02 | 1474 | 050-040-1200-0000 | MANUFACTURING AND INDUSTRIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_14-out | 1.322834646 | 1 | 0.0694 | 0.0677344 |
| 2015 | 2-01-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-out | 1.072653885 | 1 | 0.0006 | 0.0005856 |
| 2015 | 2-01-009-01 | 9711 | 060-045-1412-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | KERONAPTHA JET FUEL | FED_MIL-out | 1.072653885 | 1 | 0.0035 | 0.003416 |
| 2015 | 2-02-001-02 | 9711 | 099-995-0000-0000 | OTHER (FUEL COMBUSTION) | OTHER | MATERIAL NOT SPECIFIED | FED_MIL-I31 | 0.979962617 | 1 | 0.0002 | 0.0001952 |
| 2015 | 2-02-002-03 | 4931 | 020-045-0110-0000 | COGENERATION | I.C. TURBINE ENGINES | NATURAL GAS | CATEGORY22 | 8.586413586 | 1 | 0.2284 | 0.2270296 |
| 2015 | 2-03-001-01 | 5032 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | SIC_50&1-C2 | 0.97715736 | 1 | 0.0002 | 0.0001952 |
| 2015 | 2-03-001-01 | 9711 | 060-040-1200-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | DIESEL/DISTILLATE OIL (UNSPECIFIED) | FED_MIL-C2 | 0.663352273 | 1 | 0.0023 | 0.0022448 |
| 2015 | 2-03-002-01 | 4971 | 060-040-0110-0000 | SERVICE AND COMMERCIAL | I.C. RECIPROCATING ENGINES | NATURAL GAS | SIC_494+-out | 1.34109972 | 1 | 0.0035 | 0.003479 |
| 2015 | 2-04-001-01 | 9711 | 060-045-1400-0000 | SERVICE AND COMMERCIAL | I.C. TURBINE ENGINES | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1.072653885 | 1 | 0.0041 | 0.0040016 |
| 2015 | 3-05-002-01 | 2951 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_2958&out | 1.349477683 | 1 | 0.0021 | 0.00084 |
| 2015 | 3-05-006-06 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | CATEGORY38 | 1.33172147 | 1 | 0.6964 | 0.6314488 |
| 2015 | 3-05-006-07 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.330106486 | 1 | 0.0004 | 0.000368 |
| 2015 | 3-05-006-08 | 3241 | 430-436-7016-0000 | MINERAL PROCESSES | STORAGE PILES | CEMENT | SIC_324-out | 1.330106486 | 1 | 0.1592 | 0.146464 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2015 | 3-05-006-09 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.330106486 | 1 | 0.0008 | 0.000736 |
| 2015 | 3-05-006-11 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.330106486 | 1 | 0.0008 | 0.000736 |
| 2015 | 3-05-006-12 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.330106486 | 1 | 0.0004 | 0.000368 |
| 2015 | 3-05-006-13 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.330106486 | 1 | 0.0004 | 0.0002 |
| 2015 | 3-05-006-14 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.330106486 | 1 | 0.1645 | 0.15134 |
| 2015 | 3-05-006-15 | 3241 | 430-436-7023-0000 | MINERAL PROCESSES | STORAGE PILES | CLINKER | SIC_324-out | 1.330106486 | 1 | 0.2521 | 0.231932 |
| 2015 | 3-05-006-15 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.330106486 | 1 | 0.0982 | 0.090344 |
| 2015 | 3-05-006-17 | 3241 | 430-429-7023-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CLINKER | SIC_324-out | 1.330106486 | 1 | 0.0677 | 0.062284 |
| 2015 | 3-05-006-18 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.330106486 | 1 | 0.0971 | 0.089332 |
| 2015 | 3-05-025-03 | 5032 | 430-995-7078-0000 | MINERAL PROCESSES | OTHER | SAND/AGGREGATE | SIC_50&1-out | 1.58032491 | 1 | 0.0043 | 0.00215 |
| 2015 | 3-05-040-01 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.322834646 | 1 | 0.9003 | 0.40015 |
| 2015 | 3-05-040-01 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.330106486 | 1 | 0.3793 | 0.18965 |
| 2015 | 3-05-040-20 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.322834646 | 1 | 0.1393 | 0.06965 |
| 2015 | 3-05-040-20 | 3241 | 430-429-7016-0000 | MINERAL PROCESSES | CEMENT (PORTLAND AND OTHERS) MANUFACTURING | CEMENT | SIC_324-out | 1.330106486 | 1 | 0.0395 | 0.01975 |
| 2015 | 3-05-040-21 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.322834646 | 1 | 0.9496 | 0.4748 |
| 2015 | 3-05-040-22 | 1474 | 430-995-7064-0000 | MINERAL PROCESSES | OTHER | NON-METALLIC MINERALS (UNSPECIFIED) | SIC_14-out | 1.322834646 | 1 | 2.6368 | 1.3184 |
| 2015 | 3-05-040-24 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.322834646 | 1 | 0.0017 | 0.00085 |
| 2015 | 3-05-040-25 | 1474 | 430-436-7072-0000 | MINERAL PROCESSES | STORAGE PILES | POTASH | SIC_14-out | 1.322834646 | 1 | 0.0455 | 0.02275 |
| 2015 | 3-05-040-30 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.322834646 | 1 | 0.0186 | 0.0093 |
| 2015 | 3-05-040-31 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.322834646 | 1 | 0.0031 | 0.00155 |
| 2015 | 3-05-040-32 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.322834646 | 1 | 0.023 | 0.0115 |
| 2015 | 3-05-040-33 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.322834646 | 1 | 0.0028 | 0.0014 |
| 2015 | 3-05-040-34 | 1474 | 430-995-7072-0000 | MINERAL PROCESSES | OTHER | POTASH | SIC_14-out | 1.322834646 | 1 | 0.0034 | 0.0017 |
| 2015 | 3-90-006-89 | 1474 | 050-070-0110-0000 | MANUFACTURING AND INDUSTRIAL | IN-PROCESS FUEL | NATURAL GAS | SIC_14-I35 | 1.120366543 | 1 | 0.1339 | 0.1339 |
| 2015 | 5-01-001-01 | 9711 | 130-130-0240-0000 | INCINERATORS | INCINERATION | SOLID WASTE (UNSPECIFIED) | FED_MIL-out | 1.072653885 | 1 | 0.0093 | 0.00999 |
| 2015 | 5-01-006-01 | 9711 | 099-995-1400-0000 | OTHER (FUEL COMBUSTION) | OTHER | JET FUEL (UNSPECIFIED) | FED_MIL-out | 1.072653885 | 1 | 0.021 | 0.020498 |
| 2015 | 050-995-0000-0000 | 050-995-0000-0000 | 050-995-1220-0000 | MANUFACTURING AND INDUSTRIAL | OTHER | DISTILLATE OIL (UNSPECIFIED) | SIC_20-39I31 | 1.60361991 | 1 | 0.0379 | 0.0369904 |
| 2015 | 060-995-0000-0000 | 060-995-0000-0000 | 060-995-0110-0000 | SERVICE AND COMMERCIAL | OTHER | NATURAL GAS | CATEGORY33 | 1.156669651 | 1 | 0.0222 | 0.0222 |
| 2015 | 430-420-0000-0000 | 430-420-0000-0000 | 430-422-7078-0000 | MINERAL PROCESSES | SAND AND GRAVEL EXCAVATION AND PROCESSING | SAND/AGGREGATE | SIC_14-out | 1.322834646 | 1 | 0.0717 | 0.03585 |
| 2015 | 430-424-0000-0000 | 430-424-0000-0000 | 430-424-7006-0000 | MINERAL PROCESSES | ASPHALTIC CONCRETE PRODUCTION | ASPHALTIC CONCRETE | SIC_295&out | 1.349477683 | 1 | 0.038 | 0.0182 |
| 2015 | 430-430-0000-0000 | 430-430-0000-0000 | 430-426-7078-0000 | MINERAL PROCESSES | CRUSHED STONE EXCAVATION AND PROCESSING /AGGREGATE PROD. | SAND/AGGREGATE | SIC_14-out | 1.322834646 | 1 | 0.0075 | 0.00375 |
| 2015 | 430-430-0000-0000 | 430-430-0000-0000 | 430-430-7018-0000 | MINERAL PROCESSES | CEMENT CONCRETE MANUFACTURING AND FABRICATION | CEMENT CONCRETE | SIC_327-out | 1.352230483 | 1 | 0.0092 | 0.004784 |
| 2015 | 440-440-0000-0000 | 440-440-0000-0000 | 440-440-7000-0000 | METAL PROCESSES | SECONDARY METAL PRODUCTION | MINERAL AND METAL PRODUCTS (UNSPECIFIED) | SIC_334&out | 1 | 1 | 0.0079 | 0.00553 |
| 2015 | 610-600-0000-0000 | 610-600-0000-0000 | 610-600-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - WOOD STOVES | WOOD | HOUS_AEO_R4 | 1.003 | 1 | 0.1302 | 0.121737 |
| 2015 | 610-600-0000-0000 | 610-600-0000-0000 | 610-602-0230-0000 | RESIDENTIAL FUEL COMBUSTION | WOOD COMBUSTION - FIREPLACES | WOOD | CATEGORY09 | 1.120622568 | 1 | 0.2326 | 0.217481 |
| 2015 | 610-610-0000-0000 | 610-610-0000-0000 | 610-606-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - SPACE HEATING | NATURAL GAS | CATEGORY13 | 0.904061633 | 1 | 0.0076 | 0.0076 |
| 2015 | 610-610-0000-0000 | 610-610-0000-0000 | 610-608-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - WATER HEATING | NATURAL GAS | CATEGORY11 | 1.12 | 1 | 0.0072 | 0.0072 |
| 2015 | 610-610-0000-0000 | 610-610-0000-0000 | 610-610-0110-0000 | RESIDENTIAL FUEL COMBUSTION | FUEL COMBUSTION - COOKING | NATURAL GAS | HOUS_AEO_R3 | 1.050847458 | 1 | 0.0026 | 0.0006 |
| 2015 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0110-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | NATURAL GAS | HOUS_AEO_R3 | 1.050847458 | 1 | 0.0014 | 0.0014 |
| 2015 | 611-000-0000-0000 | 611-000-0000-0000 | 610-995-0120-0000 | RESIDENTIAL FUEL COMBUSTION | OTHER | LIQUIFIED PETROLEUM GAS (LPG) | HOUS_AEO_R2 | 0.95781746 | 1 | 0.0005 | 0.0005 |
| 2015 | 620-610-0000-0000 | 620-610-0000-0000 | 620-614-5400-0000 | FARMING OPERATIONS | TILLING DUST | DUST | CATEGORY12 | 0.656779681 | 1 | 7.2206 | 3.28631658 |
| 2015 | 620-620-0000-0000 | 620-620-0000-0000 | 620-615-5400-0000 | FARMING OPERATIONS | HARVEST OPERATIONS - DUST | DUST | CATEGORY19 | 0.914460285 | 1 | 2.5634 | 1.19455282 |
| 2015 | 630-620-0000-0000 | 630-620-0000-0000 | 630-622-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - RESIDENTIAL | DUST | CATEGORY14 | 1.217838023 | 1 | 0.9923 | 0.48553239 |
| 2015 | 630-620-0000-0000 | 630-620-0000-0000 | 630-624-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- COMMERCIAL | DUST | CATEGORY15 | 1.217641419 | 1 | 0.3726 | 0.18231318 |
| 2015 | 630-630-0000-0000 | 630-630-0000-0000 | 630-626-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST- INDUSTRIAL | DUST | SIC_15-17emp | 1.07790927 | 1 | 0.0791 | 0.03870363 |
| 2015 | 630-630-0000-0000 | 630-630-0000-0000 | 630-628-5400-0000 | CONSTRUCTION AND DEMOLITION | BUILDING CONSTRUCTION DUST - INSTITUTIONAL | DUST | SIC_15-17emp | 1.07790927 | 1 | 0.3745 | 0.18324285 |
| 2015 | 630-630-0000-0000 | 630-630-0000-0000 | 630-634-5400-0000 | CONSTRUCTION AND DEMOLITION | ROAD CONSTRUCTION DUST | DUST | SIC_15-17emp | 1.07790927 | 1 | 2.1238 | 1.03917534 |
| 2015 | 640-640-0000-0000 | 640-640-0000-0000 | 640-635-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - FREEWAYS | DUST | ON-ROAD_VMT | 1.670241287 | 1 | 0.6585 | 0.3010662 |
| 2015 | 640-640-0000-0000 | 640-640-0000-0000 | 640-637-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - MAJOR STREETS | DUST | ON-ROAD_VMT | 1.670241287 | 1 | 2.3676 | 1.08246672 |
| 2015 | 640-640-0000-0000 | 640-640-0000-0000 | 640-639-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - COLLECTOR STREETS | DUST | ON-ROAD_VMT | 1.670241287 | 1 | 0.4046 | 0.1849374 |
| 2015 | 640-640-0000-0000 | 640-640-0000-0000 | 640-641-5400-0000 | PAVED ROAD DUST | PAVED ROAD TRAVEL DUST - LOCAL STREETS | DUST | ON-ROAD_VMT | 1.670241287 | 1 | 1.3257 | 0.60793884 |
| 2015 | 645-640-0000-0000 | 645-640-0000-0000 | 645-638-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS | DUST | CATEGORY17 | 1 | 1 | 4.3145 | 2.56410735 |
| 2015 | 645-640-0000-0000 | 645-640-0000-0000 | 645-640-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS | DUST | CATEGORY18 | 1.126455144 | 1 | 4.4705 | 2.65661815 |
| 2015 | 645-640-0000-0000 | 645-640-0000-0000 | 645-644-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS | DUST | CATEGORY18 | 1.126455144 | 1 | 0.5712 | 0.33946416 |
| 2015 | 645-650-0000-0000 | 645-650-0000-0000 | 645-646-5400-0000 | UNPAVED ROAD DUST | UNPAVED ROAD TRAVEL DUST- FARM ROADS | DUST | CATEGORY19 | 0.914460285 | 1 | 5.5155 | 3.27766165 |
| 2015 | 650-650-0000-0000 | 650-650-0000-0000 | 650-650-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM AGRICULTURAL LANDS (NON-PASTURE) | DUST | CATEGORY20 | 0.847107438 | 1 | 9.5566 | 4.34156336 |
| 2015 | 650-650-0000-0000 | 650-650-0000-0000 | 650-652-5400-0000 | FUGITIVE WINDBLOWN DUST | DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS | DUST | CATEGORY21 | 1 | 1 | 0.52 | 0.309036 |
| 2015 | 660-660-0000-0000 | 660-660-0000-0000 | 660-656-2200-0000 | FIRES | STRUCTURAL FIRES | SOLID FUEL (UNSPECIFIED) | HOUSINGUNITS | 1.12074009 | 1 | 0.0016 | 0.001862 |
| 2015 | 660-660-0000-0000 | 660-660-0000-0000 | 660-658-0200-0000 | FIRES | AUTOMOBILE FIRES | SOLID FUEL (UNSPECIFIED) | POP-DOF | 1.458531535 | 1 | 0.0029 | 0.00264925 |
| 2015 | 670-660-0000-0000 | 670-660-0000-0000 | 670-662-0262-0000 | WASTE BURNING AND DISPOSAL | AGRICULTURAL BURNING - FIELD CROPS | AGRICULTURAL WASTE | CATEGORY44 | 1 | 1 | 0.0005 | 0.00049175 |
| 2015 | 670-660-0000-0000 | 670-660-0000-0000 | 670-664-0200-0000 | WASTE BURNING AND DISPOSAL | RANGE IMPROVEMENT | SOLID FUEL (UNSPECIFIED) | CATEGORY45 | 0.926829268 | 1 | 0.0022 | 0.0001965 |
| 2015 | 690-680-0000-0000 | 690-680-0000-0000 | 690-660-6000-0000 | COOKING | COMMERCIAL CHARBROILING | FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED | CATEGORY45 | 1.261742354 | 1 | 0.0796 | 0.05572 |
| 2015 | 810-810-0000-0000 | 810-810-0000-0000 | 810-606-1400-0000 | AIRCRAFT | JET AIRCRAFT - MILITARY | JET FUEL (UNSPECIFIED) | FLT-MJET | 1.002962107 | 1 | 2.8738 | 2.8048288 |
| 2015 | 820-820-0000-0000 | 820-820-0000-0000 | 820-820-1210-0000 | TRAINS | LOCOMOTIVES - ROAD HAULING | DIESEL (UNSPECIFIED) | EMP-RAIL | 0.956479691 | 0.75 | 0.6435 | 0.6435 |
| 2015 | 850-880-0000-0000 | 850-880-0000-0000 | 850-876-1100-0000 | OFF-ROAD RECREATIONAL VEHICLES | FOUR-WHEEL DRIVE VEHICLES | GASOLINE (UNSPECIFIED) | REG-4WD | 1.27443609 | 1 | 0.0011 | 0.00099 |

## Appendix C
## Kern County Portion Of Indian Wells Valley $PM_{10}$ Emission Inventories
## Tons/Day

| | 1991 | 1994 | 1997 |
|---|---|---|---|
| **Stationary** | | | |
| Fuel Combustion | | | |
| Other Mfg/Idl | 0.03 | 0.03 | 0.03 |
| Electric Utilities | 0 | 0 | 0 |
| Other Src | 0 | 0 | 0 |
| Residential | 0 | 0 | 0 |
| Total Fuel Comb | 0.03 | 0.03 | 0.03 |
| Waste Burning | | | |
| Agricultural-Debris | 0.25 | 0.25 | 0.25 |
| Range Management | 0 | 0 | 0 |
| Other | 0 | 0 | 0 |
| Total Waste Burning | 0.25 | 0.25 | 0.25 |
| Industrial Processes | | | |
| Chemical | 0 | 0 | 0 |
| Food and Ag | 0 | 0 | 0 |
| Mineral Processes | 0.14 | 0.14 | 0.13 |
| Metal Processes | 0 | 0 | 0 |
| Total Industrial | 0.14 | 0.14 | 0.13 |
| Misc. Process | | | |
| Farming Ops | 0 | 0 | 0 |
| Const/Demol | 0.47 | 0.47 | 0.36 |
| Paved Road Dust | 0.27 | 0.27 | 0.27 |
| Unpaved Road Dust | 1.26 | 1.26 | 0.93 |
| Unplanned Fires | 0.3 | 0.30 | 0.30 |
| Natural Sources | 0.52 | 0.52 | 0.44 |
| Total Misc. Process | 3.07 | 3.07 | 2.82 |
| Mobile Sources | | | |
| On the Rd Vhcls | 0.05 | 0.05 | 0.05 |
| Lgt Trucks | 0 | 0 | 0 |
| Hvy Diesel | 0.24 | 0.24 | 0.24 |
| Trains | 0 | 0 | 0 |
| Aircraft-GVMNT | 2.8 | 2.8 | 2.8 |
| Total Mobile Source | 3.09 | 3.09 | 3.09 |
| **Page Total** | **6.33** | **6.33** | **5.76** |

# APPENDIX D

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**IMPLEMENTATION DOCUMENTATION**

**DUST CONTROL PLANS**

**NAVAL AIR WEAPONS STATION, CHINA LAKE**

**CITY OF RIDGECREST**

**PROJECT DUST (DUSTY UNPAVED SURFACES TREATMENT) STATUS REPORT #2**

# FUGITIVE DUST CONTROL PLAN
# FOR THE
# NAVAL AIR WEAPONS STATION
# CHINA LAKE, CALIFORNIA

Submitted to
Kern County Air Pollution Control District

1 September 1994

## 1.0 INTRODUCTION

The Searles Valley Planning Area (SVPA) was designated a "moderate" non-attainment area for fine particulate matter (PM10) by operation of law with passage of the Clean Air Act Amendments of 1990. This area includes portions of Kern, Inyo, and San Bernardino Counties. It also includes a significant portion of the Naval Air Weapons Station (NAWS) China Lake.

The three affected counties jointly developed and submitted a State Implementation Plan (SIP), representing a comprehensive regional strategy for addressing the PM10 problem. However, the control measures within the plan were tailored to the differing problems found within the three jurisdictions.

The Kern County Air Pollution Control District strategy for attaining the PM10 ambient air quality standard is largely based on its Fugitive Dust Rule (Rule 402) which was adopted on November 29, 1993. This Fugitive Dust Emissions Control Plan for the Naval Air Weapons Station (NAWS), China Lake has been prepared pursuant to paragraph V(D)(3) of that rule. The purpose of this plan is to identify applicable sources of fugitive dust within NAWS, China Lake's boundaries and describe the Reasonably Available Control Measures (RACM) which will be utilized for each of those sources.

## 2.0 APPLICABILITY AND POTENTIAL SOURCES

The first step in the development of this Plan was to survey potential sources of fugitive dust within the affected area, and then to determine which of those areas are subject to the provisions of Rule 402. This survey was conducted in several steps by surveying available data to identify potential sources of fugitive dust.

### 2.1 Unpaved Roads *

All unpaved roads within the affected area were identified using comprehensive maps of the Station. Roads less than 75 feet in length were eliminated from the analysis, as they are exempt from the provisions of Rule 402 (para IV (A)(6)(a)). Traffic counts were then conducted on the remaining roads. These traffic counts resulted in the elimination of all but one of the unpaved roads, since they do not have motor vehicle traffic of 25 vehicle-trips per day or more (Rule 402 para IV(A)(6)(b)). Please see Appendix A for unpaved road locations and lengths. The one road subject to Rule 402 is the access road to Hangar 4, identified as "Area 1" in Table 1.

* Maps of potential sources available upon request.

## 2.2 Disturbed Areas

Potentially disturbed areas were identified using aerial photographs taken of the Station in August 1989. A field survey was then conducted to determine the current condition of each area. The following is a summary of the field survey results.

(a) Public Works Compound: This compound, identified as "Area 8" in Table 1, covers nearly 107 acres in two separate areas. The smallest of the two areas is 5.38 acres and the larger area is approximately 102 acres. This compound contains 44 buildings and several trailers which are categorized as administrative, shops (trades), transportation, and supply and storage/issue. A similar area exists just east of Knox Road, occupied by Construction Shop #1, identified as "Area 9". Unpaved portions of both areas are used for housing cargo containers (used for storage) and for the storage of equipment and materials.

(b) Building 25007 (SNORT) and vicinity: Open storage and general traffic take place between widely spaced buildings and trailers. This includes the magazette areas to the southwest and west. Portions of this area are actively traveled on a daily basis. This potential source is identified as Areas 2 and 3 in Table 1.

(c) Chlorination Facility South of the Waste Water Treatment Plant: This facility, identified as Area 6, is used for chlorinating treated water from the waste water treatment plant. It consists of three small buildings, a chlorine contact chamber, and various irrigation pumping apparatus. This water is then used to irrigate the Golf Course. Unpaved areas around and between buildings are disturbed by vehicles on a daily basis.

(d) China Lake Gun Club: Identified as Area 10, the China Lake Gun Club site is located north of the SNORT Access Road, south of Armitage Field. Disturbed areas include unpaved areas around and between buildings, as well as unvegetated berms behind and within target areas. Due to safety considerations Gun Club activities at this site are limited to trap and skeet shooting. The western berm area is no longer in use, and has already revegetated to a considerable degree. The eastern berm area is still used on occasion, and remains unvegetated.

(e) Ordnance Impact Areas: "Area 11" on Table 1 consists of a variety of ordnance impact areas located on the testing ranges. As the name implies, these areas are used as target zones for certain types of tests using both live and inert ordnance, and generally have only sparse vegetation. The ground within these areas contains an unknown amount of unexploded ordnance, and is considered "off-limits" to vehicular traffic, except under very unusual circumstances.

(f) Drainage Berms near Hangars 4 and 5: Identified as Area 12, these berms comprise a portion of China Lake's storm drainage system, and are intended to divert flood waters away from the two new hangars. Since they were constructed within the last two years, these areas are not yet heavily revegetated. However, natural revegetation is slowly taking place, and these areas are no longer actively disturbed.

(g) Hangars 4 and 5: Area 13 includes all unvegetated areas near Hangars 4 and 5, between the aprons and the surrounding fence. For security purposes, vegetation in these areas must be kept to a bare minimum. However, vegetation is removed by use of herbicides to minimize the amount of ground disturbance.

(h) Overrun Areas at Armitage Field: For safety purposes, overrun areas (identified as Area 15) have been provided at the end of each runway at Armitage Field. These areas are not actively disturbed, but all vegetation has been removed by use of a herbicide.

(i) Vicinity of Old Roundhouse: Area 14 consists of areas in the vicinity of the Old Roundhouse, which is currently out of service along with the rest of the China Lake railroad spur. The Roundhouse proper is used by the Public Works Department for storage of electrical transformers, fused cut-outs, pipe insulation, and similar material. This area is infrequently traveled.

(j) Miscellaneous unpaved parking areas: Various unpaved parking areas can be found at China Lake, usually near buildings that are remote and/or have very few employees. These areas are located in various locations at China Lake, and are not individually identified.

(k) Berms around industrial waste water ponds: These berms (identified as Area 5) receive limited maintenance and have begun to naturally revegetate.

## 2.3 Construction and Demolition Activities:

Much of the large facility construction work at China Lake is performed by contractors; however, an increasing amount of construction and/or demolition at the Station is performed in-house by the Public Works Department. The actual location(s) of this work vary with time, and are not individually identified.

## 2.4 Earth Moving/Open Storage Piles:

(a) Borrow Pit off of Sandquist Road: Identified as Area 4 in Table 1, this is the borrow pit currently in use for construction activities at China Lake. It is approximately 20 acres in size, and provides a wide range of materials, from fine sand to coarse gravel. Active operations occur at the center of the pit. The edges of the pit are normally

vegetated. This site is accessed on average about once a week for material. There may be weeks when there is no activity, and there are short periods, sometimes for a week or two, when the area receives intensive activity.

(b) Old Borrow Pit east of the Golf Course: Identified as Area 7 in Table 1, this borrow pit has been out of use for over 5 years and has begun to revegetate naturally.

(c) Open Storage Piles: Various miscellaneous storage piles may be found at China Lake at any given time. These are often, but not always, associated with construction or demolition projects (see above). Sand or gravel are usually the material being stored, although piles are often used for storage of asphalt millings and other materials suitable for re-use.

## 3.0 PROPOSED CONTROL MEASURES:

### 3.1 Unpaved Roads:

China Lake has only one unpaved road within the affected area that meets the applicability requirements of this rule. This is the section of road between Talon and Lauritsen Roads. As part of the planned construction of a new Aircraft Ready Fuel Facility, Lauritsen Road will be realigned. It will then connect with this currently unpaved access road to Hangar 4, which will also be realigned, and which will be paved along with the realigned portion of Lauritsen. This work is currently planned for the coming fiscal year (1 Oct 94 - 30 Sep 95). Since application of chemical stabilizers may hinder the natural revegetation process, the unpaved road will be controlled by watering at the beginning of each business day until the realignment has been completed, at which time active disturbance of the old roadway will cease. The area will then be left alone to revegetate naturally.

### 3.2 Disturbed Areas

(a) Public Works Compound: This area receives moderate vehicle traffic on a daily basis by Public Works personnel. There are two distinct areas within the compound. The smaller of the two areas consists of approximately 5 1/2 acres and is 50% covered with buildings, concrete slabs, landscaped areas, and deteriorated paving. The other 50% of the space is devoted to open storage of equipment, rubble piles, gravel piles, and similar public works related items. Proposed stabilization of traffic areas not currently paved will utilized recycled asphalt or concrete, spreading and compaction of decomposed granite, or application of chemical dust stabilizers.

The main area of the Public Works compound is approximately 44% covered with improvements with a remainder of 57 acres which are open and subject to fugitive dust emissions. Treatment will consist of a combination of stabilization processes as

determined by the open usage and will encompass one or more of the processes used in the smaller compound area (see above).

(b) Building 25007 (SNORT) and vicinity: This area receives limited vehicle traffic on a daily basis. Stabilization of unpaved traffic areas will consist of utilizing recycled asphalt or concrete, spreading and compacting of decomposed granite, or application of chemical dust stabilizers. Non-traffic areas will be allowed to revegetate naturally.

(c) Chlorination Facility South of Waste Water Treatment Facility: Maintenance personnel perform daily routine maintenance and inspection of the apparatus at this location. Therefore, this area receives limited vehicle traffic on a daily basis. If soil stabilization is required in unpaved traffic areas it will consist of utilizing recycled asphalt or concrete, spreading and compacting of decomposed granite, or application of petrochemical dust stabilizers.

(d) China Lake Gun Club: The western berm has already begun to revegetate. The eastern berm is still used on occasion, but is not actively disturbed by vehicles (only by the impact of small arms fire). We propose leaving both berms alone so that they may revegetate naturally. The areas around and between buildings are occasionally disturbed by vehicles when the gun club is in use. Since this occurs only occasionally, we propose treating the area with water prior to any functions taking place at the facility.

(e) Ordnance Impact Areas: These areas are occasionally impacted by test items, but are very rarely disturbed by vehicles as the areas are generally considered "off limits". We propose leaving these areas alone. Treatment of an active high explosive impact area is impractical due to safety considerations.

(f) Drainage Berms near Hangars 4 and 5: Vegetation in these areas was removed during construction of the berms in 1992. However, no further active disturbance of these areas has taken place or is planned. The soil in these areas has already formed its natural protective crust, and vegetation is slowly reestablishing itself. We propose leaving these areas alone to revegetate naturally, as application of chemical stabilizers may only hinder this process.

(g) Hangars 4 and 5: The areas between the aprons and the fences must be kept unvegetated due to security considerations. However, no active disturbance of these areas takes place, and vehicle access to the entire hangar area is tightly controlled. We propose continuing de-vegetation by application of herbicides by licensed technicians (rather than by mechanical means) in order to minimize soil disturbance. Since the areas are otherwise completely undisturbed, and vehicle access to each hangar area is tightly controlled, we propose applying no other RACM to this area unless the area is to be disturbed for some unforeseen reason.

(h) Overrun Areas at Armitage Field: These areas at the end of each runway must be kept clear of vegetation due to safety considerations. However, no active disturbance of these areas takes place. We propose continuing de-vegetation by application of herbicides by licensed technicians (rather than by mechanical means) to minimize soil disturbance. Since the areas are otherwise completely undisturbed, we propose applying no other RACM to this area unless the area is to be disturbed for some unforeseen reason.

(i) Vicinity of Old Roundhouse: This area received little vehicular traffic. Only when material is to be recovered or stored in the Roundhouse does this area receive vehicular traffic. Because of the light traffic in and around this area, it is recommended to leave it as it is. If a control measure is required for those areas not currently paved, stabilization will be achieved by utilizing recycled asphalt or concrete, spreading and compaction of decomposed granite, or application of chemical dust stabilizers. Non-traffic areas will be allowed to revegetate naturally.

(j) Unpaved Parking Areas: The parking areas around facilities which are not paved will be identified. Those areas requiring parking and traffic aisles will receive the necessary improvements. Stabilization of trafficked areas not currently paved will consist of utilizing recycled asphalt or concrete, spreading and compaction of decomposed granite, or application of chemical dust stabilizers.

(k) Berms around industrial waste water ponds: These areas have not been disturbed for over five years, allowing the soil to form its natural protective crust. These areas are not actively disturbed and are fenced to prevent access by unauthorized personnel. We propose taking no further action, so that the area may revegetate naturally.

### 3.3 Construction/Demolition Activities

A list of standard dust abatement measures has been developed by NAWS China Lake personnel, which must be implemented for both contractor and in-house projects. These measures will be included as conditions of approval during environmental review of each proposed project under the National Environmental Policy Act. For projects performed under contract, the list will also be incorporated into the construction/demolition contract to ensure compliance by contract personnel. The list of dust abatement measures is provided as Appendix B.

### 3.4 Earth Moving/Open Storage Piles

(a) Borrow Pit off of Sandquist Road: This area is "actively disturbed" about once a week, when the site is accessed for materials. Since only a small portion of the borrow

pit is disturbed at any given time, we propose application of water to the areas to be disturbed prior to (and after) accessing the pit to excavate. We propose leaving undisturbed portions of the pit alone.

(b) Old Borrow Pit east of the Golf Course: This area has not been "actively disturbed" for over 5 years. The soil has already formed its own natural protective crust. We propose leaving this site alone, to allow it to revegetate naturally.

(c) Open Storage Piles: All open storage piles of materials that may be potential sources of fugitive dust will be covered by a tarp or other suitable material. The storage pile(s) in the smaller area of the Public Works Compound could be controlled with area sprinklers to keep a protective crust over the material in the pile(s).

## 4.0 COMPLIANCE SCHEDULE:

Funds for application of Reasonably Available Control Measures (RACM) to sources as described in the above section have been allocated in China Lake's budget for Fiscal Year (FY) 1995 (1 Oct 94 - 30 Sep 95). Application of RACM will take place on the following schedule:

Road to Hangars 4 & 5: Begin application of water immediately after 1 Oct. Construction of new paved road will commence during FY95 and will be completed during FY96.

Application of chemical dust palliatives, cape seal, or other applicable methods to areas identified in the plan will be accomplished by 31 December 94.

Application of water: effective immediately after 1 October, to be applied as proposed in section 3.

Construction Demolition: List of Dust Control Practices (Appendix B) is already being incorporated into all new contracts and site approvals for all construction/demolition projects performed either by contractors or by in-house personnel.

Open Storage Piles: Covered or watered as appropriate, effective immediately, and as existing piles are located.

All areas proposed to be left as is are to be made "off-limits" to vehicular traffic effectively immediately, or access restricted as proposed in section 3.

TABLE 1: Potential Fugitive Dust Sources and Proposed RACM[1]

| | SOURCE | CONTROL MEASURE(S) | | | | | |
|---|---|---|---|---|---|---|---|
| | | leave as is | reveg[2] | water | chem | pave | cover[3] |
| 1 | Hangar 4 Access Road | | | • | | • | |
| 2 | Bldg 25007 and vicinity (SNORT) | | | | • | | • |
| 3 | Magazette areas SW of Bldg 25007 and west of Bldg 25037 | | | | • | | • |
| 4 | Borrow pit on Sandquist Road | • | | • | | | |
| 5 | Berms at Industrial Waste Water Ponds | • | | | | | |
| 6 | Chlorination Facility So. of WWTF | | | • | | | • |
| 7 | Old Borrow Pit east of Golf Course | • | | | | | |
| 8 | Public Works Compound | | | | • | | • |
| 9 | Shops area east of PW Compound | | | | • | | • |
| 10 | China Lake Gun Club | • | | • | | | |
| 11 | Various ordnance impact areas | • | | | | | |
| 12 | Hangar 4/5 area - drainage burms | • | | | | | |
| 13 | Hangar 4/5 - between apron and fence | • | | | • | | |
| 14 | Vicinity of old Roundhouse | • | | | • | | • |
| 15 | Overrun areas at ends of runways | • | | | | | |
| n/a | Various Open Storage Piles | • | | | | | • |
| n/a | Miscellaneous Parking Areas | | | | • | | • |
| n/a | Construction/Demolition [4] | | | | | | |

[1] One or a combination of identified measures may be used. Areas assigned numbers are identified on the maps in Appendix C.

[2] Revegetate naturally, as opposed to actively reseeding the area.

[3] Cover with recycled asphalt or concrete, or spreading and compacting decomposed granite. In the case of storage piles, cover with tarp, plastic, or other suitable material.

[4] See Appendix B for list of Dust Control Measures required for Construction/Demolition project

# Requirements for Dust Control at Construction and Demolition Sites

The contractor shall take reasonable precautions to prevent visible particulate matter from being airborne from the construction site, under normal wind conditions. Reasonable precautions include, but are not limited to:

1. The contractor shall have available a minimum of one watering truck to apply water to the haul roads and construction areas. Water will be applied to these areas at least twice a day. Additional watering will be required if the soil dries to the point that the site becomes a source of fugitive dust.

2. The contractor shall post and observe a speed limit of 25 mph at the project site. During normal daily activity the speed limit will be strictly enforced by the contractor.

3. If wind conditions are such that the contractor cannot control dust, the contractor shall shut down all construction operations except for equipment used for dust control at the project site.

4. Water or other dust suppressants shall be used to prevent particulate matter from becoming airborne in handling dusty materials to open stockpiles and mobile equipment. All stockpiles of topsoil, sand, and other like materials shall be covered to prevent airborne fugitive dust.

5. The contractor shall be responsible for removing materials tracked onto paved roadways from dirt roadways by construction vehicles associated with the project.

6. All bulk materials being hauled on paved roadways shall be covered during transit.

7. The natural topography shall be maintained to the extent possible during grading and other earth movement.

# FUGITIVE DUST CONTROL PLAN
# FOR THE
# NAVAL AIR WEAPONS STATION
# CHINA LAKE, CALIFORNIA

## Appendix C
## Maps Showing Locations of
## Potential Fugitive Dust Sources

**NOTE: MAPS AVAILABLE - BUT NOT INCLUDED IN THIS DOCUMENT**

31 August 1994

# City of Ridgecrest

## RULE 402 Plan

### Introduction:

In compliance with Rule 402, adopted 11/29/93 by the KCAPCD, the City of Ridgecrest submits the following plan that will reduce the amount of respirable $PM_{10}$ emitted from man-made fugitive dust sources. It is understood that compliance with RULE 402 should assist in attaining the National Ambient Air Quality Standards.

### Applicable Areas Are:

A. Earth-Moving Activity
B. Construction/Demolition Activity
C. Disturbed Surface Areas
D. Unpaved Roadways (as defined in Rule 402) That Are City Accepted Rights-Of-Ways

### Plan by Activity:

A. **Earth-Moving Activity:**
The City of Ridgecrest proposes that it will continue to utilize its present method for reduction of fugitive dust emissions from earth moving activities. This method is regulated by Chapter XVI of the Ridgecrest Municipal Code, which is included as Exhibit "A" in this plan.

B. **Construction/Demolition Activity**
The City of Ridgecrest proposes that it will continue to utilize its present method for reduction of fugitive dust emissions from construction activities. This method is regulated by Chapter XVI of the Ridgecrest Municipal Code, which is included as Exhibit "A" in this plan.

The City of Ridgecrest proposes that it will continue to utilize its present method for reduction of fugitive dust emissions from demolition activates. Demolition activities are regulated by the building department through the issuance of a demolition permit. As a matter of policy, accepted methods of dust suppression are comparable to those for a construction activity. See exhibit "B" for demolition permit.

### C. Disturbed Surface Areas

The City of Ridgecrest as a matter of practice does not allow parcels within its City limits to be graded unless that parcel is to undergo construction activities and would consequently be regulated by Chapter XVI of the Ridgecrest Municipal Code.

### D. Unpaved Roadways That Are City Accepted Rights-Of-Ways

Although it may appear that there are many unpaved streets in the City of Ridgecrest, these thouroughfares have either not been offered for dedication or have been offered and not accepted by the City because they have not met the City requirements in regards to public infrastructure improvments. As such, the City does not have legal right of access on the majority of the unpaved roads and they remain the responsibility of the property owner.

The following streets or sewer plant areas are under City jurisdiction and are unpaved.

| Street Name | Length | Action to be taken |
|---|---|---|
| Bowman Road (between Norma and Downs) | ½ mile length | To be constructed by June 30, 1994 (access currently denied) |
| Bowman Road (between Downs and Mahan) | ½ mile length | Exempt (does not have more than 25 MVT per day) |
| Bowman Road (Between Mahan and Brady) | ½ mile length | Exempt (does not have more than 25 MVT per day) |
| Perch Avenue | 3/8 mile length | Exempt (does not have more than 25 MVT per day) |
| Sierra View (Ridgecrest Blvd. to 370' South) | 370' | Treated and improved as described below. |

| Street Name | Length | Action to be taken |
|---|---|---|
| Nevada (Coso to 309' North) | 309' | Exempt (does not have more than 25 MVT per day and does not serve more than 10 residences) |
| Old Wastewater Facility located at 301 S San Bernardino Road | 176 acres | These lands are presently exempt as agricultural due to the beneficial reuse of effluent |
| City Wastewater Treatment Plant located on NAWS Facilities | 353 acres | Less than 25 MVT daily |

MVT Motor Vehicle Trip

**Plan for Sierra View:**

The City of Ridgecrest has graded this length of street to design and is applying used recycled asphalt and a coating of reclamite to construct a 20' wide road base that will act as a dust palliative. This will result in a net reduction of fugitive dust emissions from this street length. This will be completed on June 30, 1994.

A:\KCAPCD\PLAN402.WPD

# CHAPTER XVI

## SOIL AND SOIL REMOVAL

### 16-1 Grading Permit: Soil Erosion Control.

16-1.1 *Purpose.* The City Council does hereby find that there exists within the City a serious and hazardous problem of erosion of soil from land surfaces by wind action which erosion problem affects the health, safety, welfare, and property of the residents of Ridgecrest. The City Council further finds that is is necessary to regulate the disturbance of soil surfaces and to require measures to control wind erosion of soil. (Ord. No. 149, § 2)

16-1.2 *Permit Required.* It shall be unlawful for any person, firm, or corporation, or any agent thereof who is in possession or control of land to disturb the surface or subsurface of land by excavation, leveling, cultivating, grading, or by distributing or spreading soil on land, or by any other action likely to cause or contribute to wind erosion of soil without first obtaining a permit from the City Engineer. Permits shall not be required for the following:

a. Residential lots which are 10,000 square feet or less where grading does not exceed 50 cubic yards on any one lot;
b. Normal landscaping, cultivating of existing plantings, improvement of landscaping or planting on single lots, or for farming operations: adequate protective measures shall, however, be provided in such cases.

(Ord. No. 149, § 3; Ord. No. 91-07, § 2)

16-1.3 *Application for Permit.* An applicant for a permit, hereinafter called "grading permit" to disturb the surface or subsurface of land, shall be the owner of said land. Applicant shall present detailed written plans for the development of the site in a form satisfactory to the City Engineer. Such plans

# CITY OF RIDGECREST PERMIT

100 West California Avenue
Ridgecrest, CA 93555
(619) 371-3781

94 00003849
4/12/94

ADDRESS.....: 531 S ALVORD
T-3343"C" L-51
480-053-05-

VALUATION...: 4,000

APPL TYPE...: REROOF

OWNER.....: EASTMAN CORNELIUS J & VICTORIA
531 ALVORD ST
RIDGECREST CA 93555

CONTRACTOR..: OWNER

| PERMIT OR FEE TYPE | ACCOUNT NUMBER | AMOUNT |
|---|---|---|
| GENERAL BUILDING PERMIT | 100003321432 | 63.00 |
| PLAN CHECK FEE | | .00 |

| PAYMENT TYPE | AMOUNT | DATE |
|---|---|---|
| CHECK | 63.00 | 4/12/94 |

I certify that I have read both sides of this application and the information is true and correct. I authorize representatives to enter upon the above-mentioned property for inspection purposes. The owner agrees to install curbs, gutters, and sidewalks to City standards when required by the City.

Signature: Cornelius J. Eastman Date: 4-13-94

___ 1. I am licensed under the provisions of Business and Professions Code Sections 7000 et seq. and my license is in full force and effect.

___ 2. I, as owner of the property, or my employees w/wages as their sole compensation, will do the work and the structure is not intended or offered for sale.

___ 3. I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.

___ 4. I have a certificate of consent to self-insure or a certificate of Workers' Compensation Insurance or a certified copy thereof.

___ 5. I shall not employ any person in any manner so as to become subject to Workers' Compensation Laws in the performance of the work for which this permit is issued. **NOTE:** If you should become subject to Workers' Compensation Laws after making this certification, you must forthwith comply with such provisions or this permit shall be deemed revoked.

___ 6. The applicant hereby agrees to control the blowing of sand during and after the operation.

**THE SIGNATURE ON THE REVERSE SIDE OF THIS DOCUMENT AFFIRMS THAT THE PERMITTEE HAS READ THE ABOVE STATEMENTS AND AGREES THAT THEY ARE CORRECT.**

# PROJECT DUST

## (DUSTY UNPAVED SURFACES TREATMENT)

## RIDGECREST, CA.

**STATUS REPORT #2**
Final Report

Submitted to the California Air Resources Board
April 1996

Prepared by KCAPCD Staff

Thomas Paxson, APCO

## BACKGROUND

Pursuant to Section 107 of the 1990 Federal Clean Air Act Amendments (FCAAA), the U.S. EPA designated the "Searles Valley" planning area non-attainment for the National Ambient Air Quality Standards (NAAQS) for $PM_{10}$ (respirable particulates) in November of 1990. The Indian Wells Valley portion of Kern County is part of this planning area. (See map on Page 2.)

If an area is designated "non-attainment" for $PM_{10}$, Section 110 of the FCAAA requires submittal of a "$PM_{10}$ Attainment Plan". This plan was prepared jointly with Great Basin Unified APCD and San Bernardino County APCD (now Mojave Desert Air Quality Management District). KCAPCD's segment of this plan was approved by KCAPCD's Board on December 2, 1991.

KCAPCD's segment of the plan identified implementation of three $PM_{10}$ control measures as necessary to attain $PM_{10}$ standards: 1) control of construction and demolition dust, 2) control of wind erosion dust, and 3) control of unpaved roadway dust. On November 29, 1993 KCAPCD's Board approved Rule 402 (Fugitive Dust), KCAPCD's Rule designed to implement these three control measures.

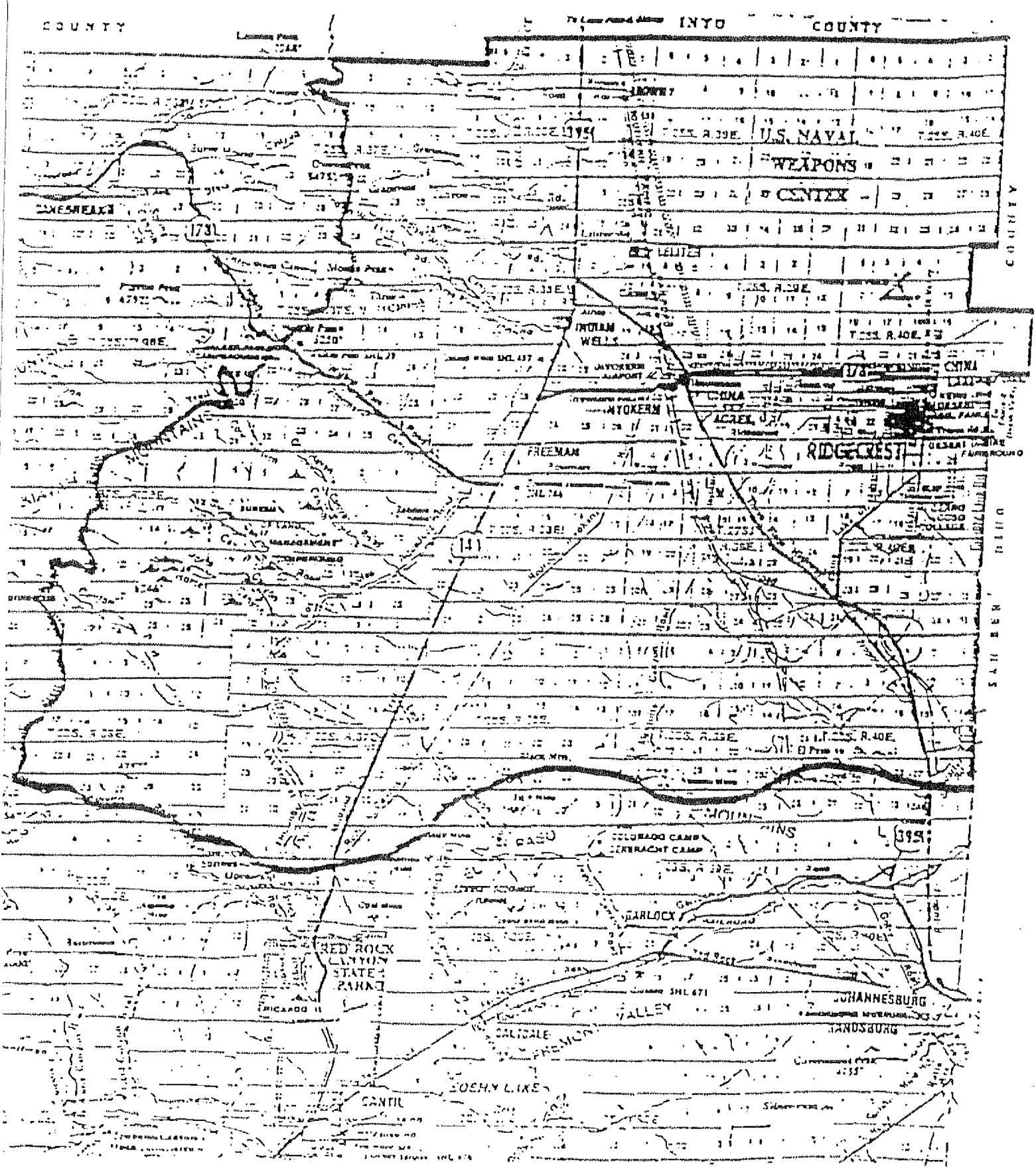
Section 105 of the FCAAA makes Federal funds available to local air pollution control districts to implement emissions control programs. In November of 1992 KCAPCD applied for federal pass-through funds from the California Air Resources Board (CARB) to help implement its $PM_{10}$ attainment plan. On December 8, 1992 KCAPCD was awarded $190,000. On October 15, 1993 KCAPCD received an advance payment from CARB of $65,000 to initiate its project. Then on November 30, 1994 and after completion of "Phases I and II of Project DUST", KCAPCD was awarded an additional $40,000 of $PM_{10}$ pass through funds to help provide for implementation of "Phase III". In addition to these 105 monies, KCAPCD's Board of Directors granted $87,000 of DMV funds (AB2766) to help implement Phase III.

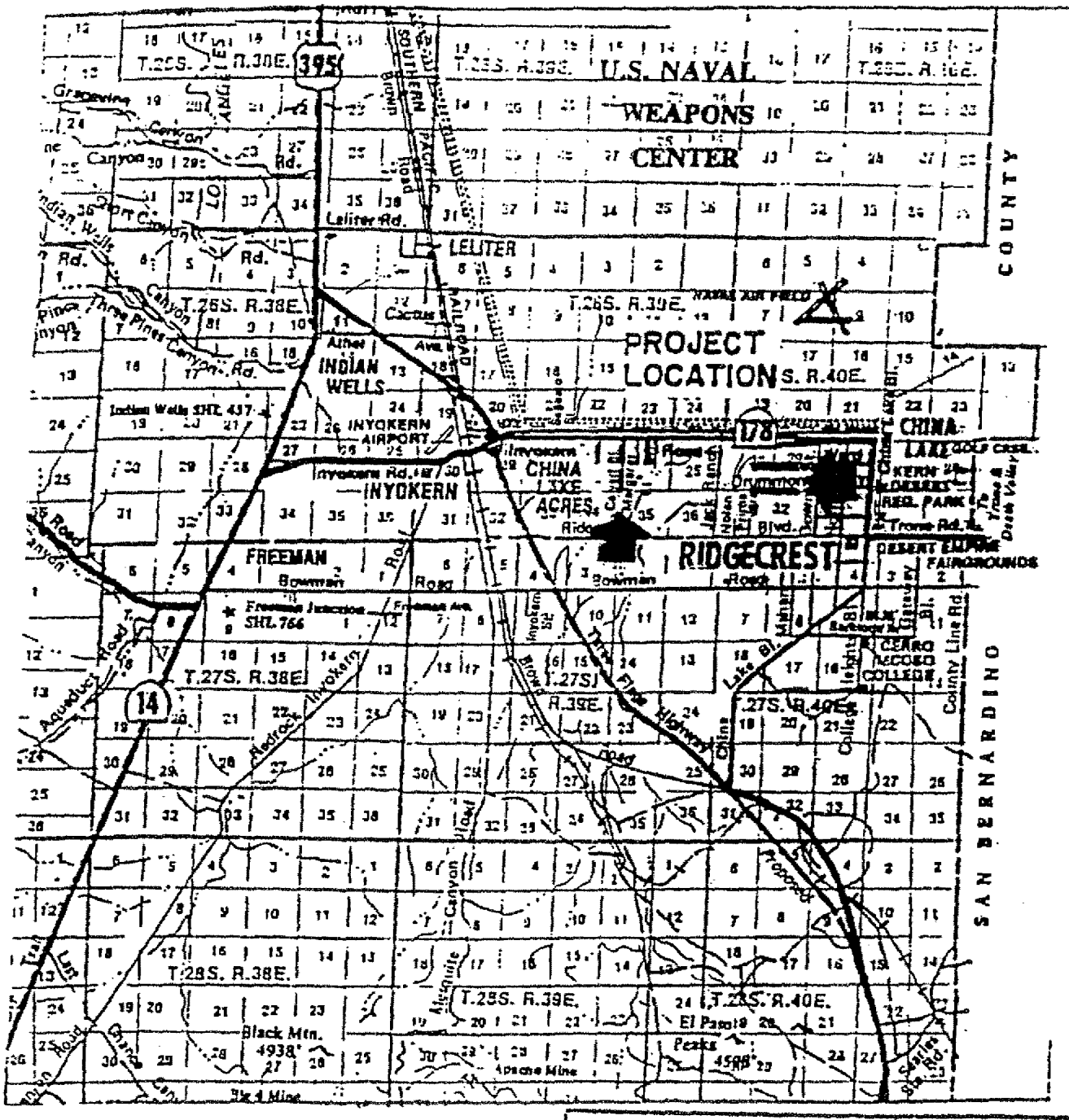
## PROJECT DESCRIPTION

Project DUST (Dusty Unpaved Surfaces Treatment) was conceived of as a means to: 1) assist local Ridgecrest residents to comply with Rule 402, 2) affect real $PM_{10}$ reductions in the vicinity west and south of Ridgecrest and east of Inyokern for purposes of attaining the NAAQS, and 3) identify cost-effective dust palliatives. This area is high Mojave Desert which experiences long, hot summers and from 4 to 5 inches of rainfall per year.

Project DUST consisted of three activities and phases: 1) treating unpaved residential roadways with dust palliatives, 2) placing unpaved roadway identification signs (to reduce vehicle miles traveled), and 3) placing dust control speed limit signs (15 mph). Phase I involved treating lengths of five different roadways with seven different dust palliatives. Phase II involved retreating the same roadways with the same palliatives about six months later and Phase III involved treating lengths of five different roadways with the three most effective palliatives. (See maps on Pages 3, 4, and 5.)

KERN COUNTY PORTION OF SEARLES VALLEY
PLANNING AREA (18090205)






AS BUILT PLANS

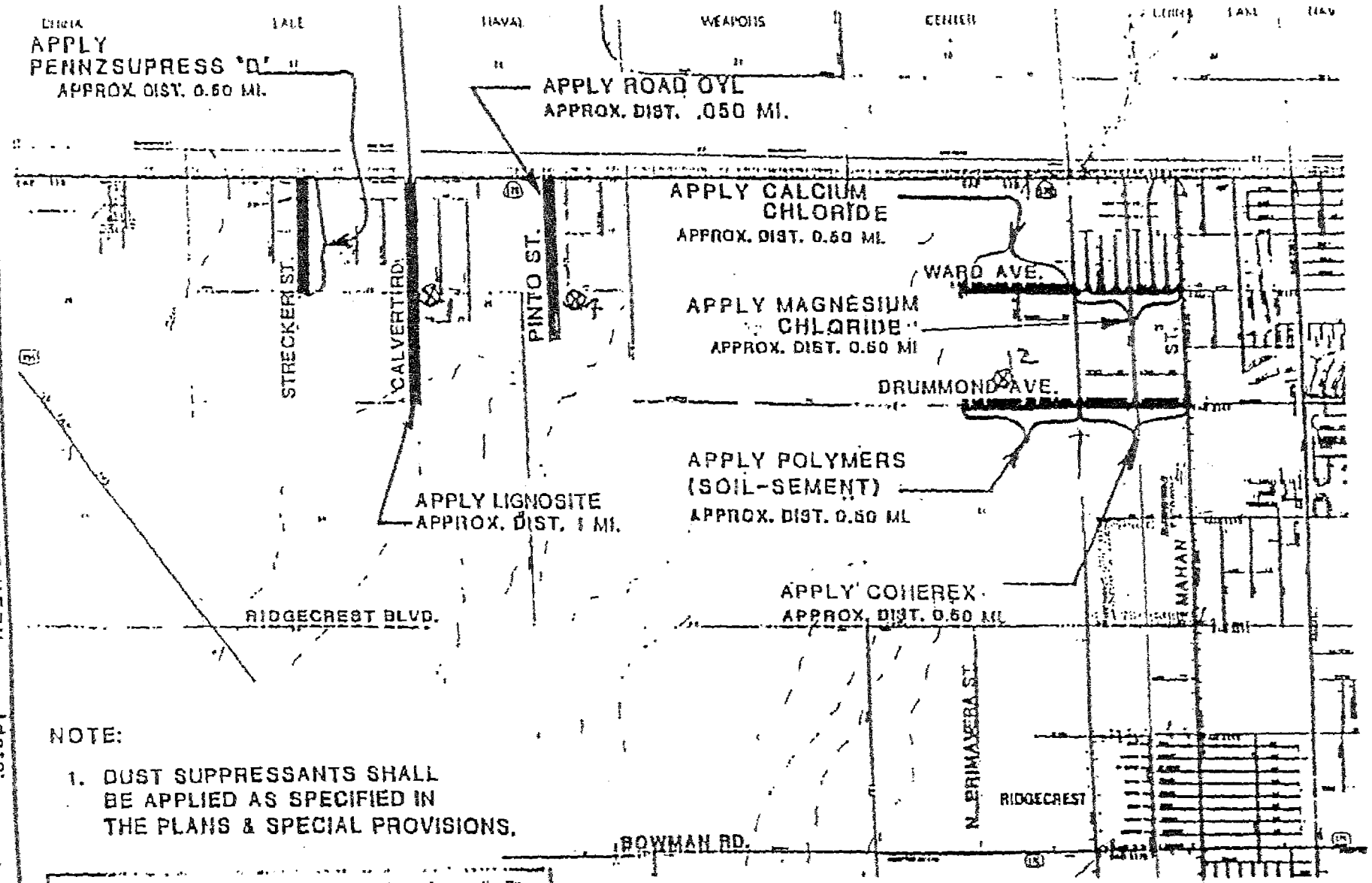
CONTRACT NO. 93160

CONTRACTOR GORDON GOSSARD

RESIDENT ENGINEER

DATE OF COMPLETION 1st Phase 2-25-94

| | | |
|---|---|---|
| PM-10 DUST CONTROL PROJECT<br>WEST OF RIDGECREST | COUNTY OF KERN<br>WASTE MANAGEMENT DEPARTMENT<br>BAKERSFIELD, CALIFORNIA | date: 9-21-93<br>drawn by: S. LUNA<br>checked by: C. LACKEY<br>SHEET 1 OF 5 |




NOTE:

1. DUST SUPPRESSANTS SHALL BE APPLIED AS SPECIFIED IN THE PLANS & SPECIAL PROVISIONS.

AS BUILT PLANS
CONTRACT NO. 93160
CONTRACTOR: GORDON GOSSARD
RESIDENT ENGINEER: John D. Johnson
DATE OF COMPLETION: John 2-25-94

PM-10 Monitoring Site

PHASES I & II

N.T.S.

PM-10 DUST CONTROL PROJECT

WEST OF RIDGECREST

SUPPRESSANT APPLICATIONS

BAKERSFIELD, CALIFORNIA

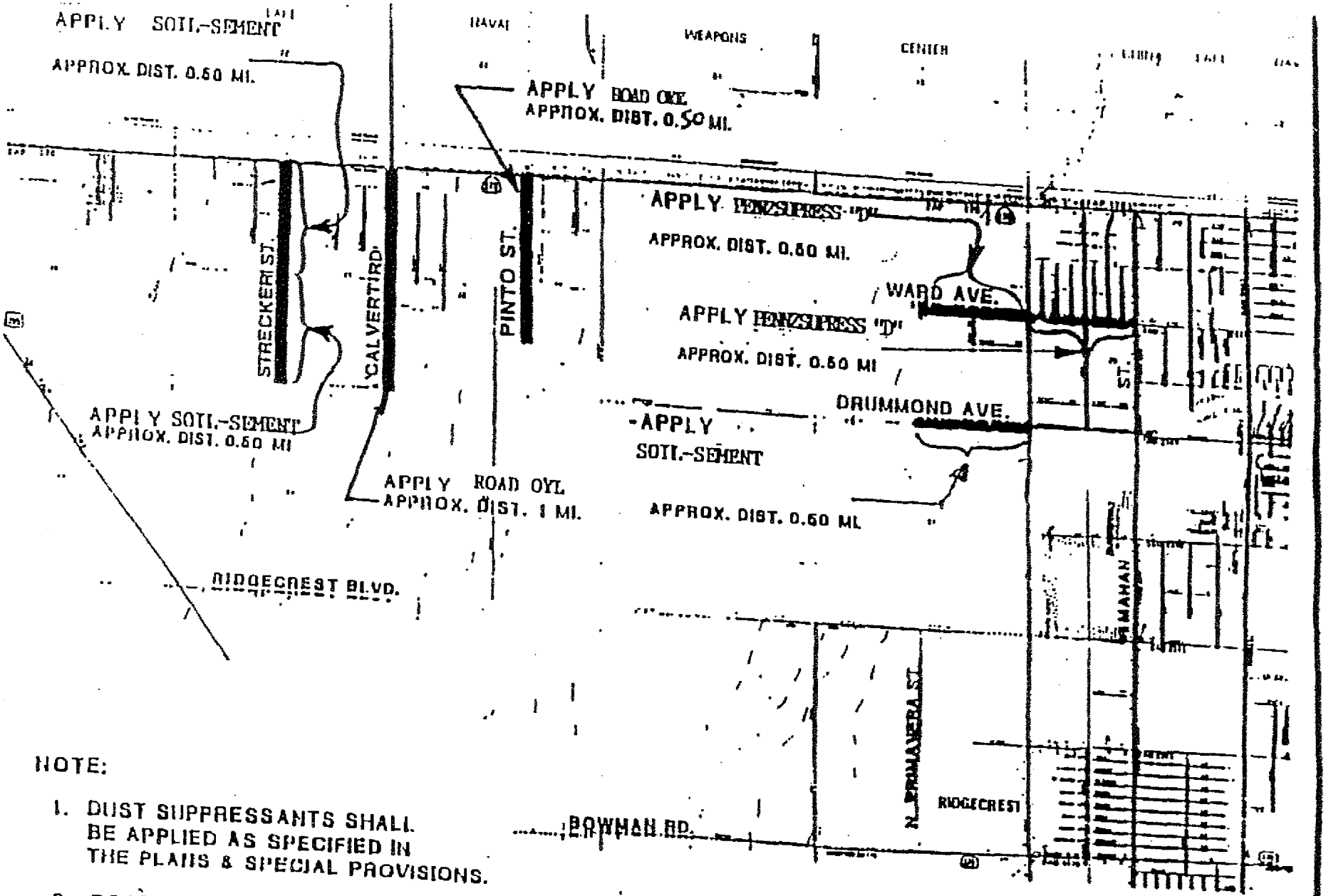
COUNTY OF KERN
WASTE MANAGEMENT DEPARTMENT

drawn by: S. LUNA
checked by: C. LACKEY

date: 9-21-93

SHEET 5 OF 5

Rev. 3/2/94




NOTE:

1. DUST SUPPRESSANTS SHALL BE APPLIED AS SPECIFIED IN THE PLANS & SPECIAL PROVISIONS.
2. ROAD LOCATIONS SHOWN ABOVE ARE APPROXIMATE AND MAY BE RELOCATED TO SIMILAR TERRAIN BY THE ENGINEER

PHASE III

N.T.S.

R-10 DUST CONTROL PROJECT

EST OF RIDGECREST

COUNTY OF KERN

5

date:

drawn by:

Rev.

SHEET

Unpaved roadway identification signs and dust control speed limit signs have been placed along numerous streets west and south of Ridgecrest.

## SELECTION OF ROADWAYS

Staff's first task was to identify frequently traveled unpaved roadways subject to requirements of Rule 402. Input from the public and from Kern County Supervisor Roy Ashburn's Ridgecrest field representative, Ms. Donna Darnell, was sought and used in the selection process.

A survey of roadbeds selected revealed silt content to be relatively low (estimated at 10-20%), and rock and sand content to be relatively high. Typical uncontrolled dust emissions from vehicle activity were about 60% opacity at a speed of about 25 mph.

## LOCATION OF $PM_{10}$ MONITORS

For Phase I, after selection of roadways to be treated, three portable $PM_{10}$ ambient monitors were borrowed from U.S. EPA and set up at homes downwind of three roadways. The prevailing wind direction in Ridgecrest is from the southwest. Volunteers to host these monitors were solicited in the local newspaper, the "Ridgecrest Daily Independent". Monitoring sites are shown on Page 4.

## $PM_{10}$ MONITORING BEFORE AND AFTER ROAD TREATMENT

EPA's three monitors were operated once per week on Tuesday, a typical Ridgecrest commute day. The difference in weight of sample filters before and after use and flow through the filter were used to calculate sampled concentration. The intent of this $PM_{10}$ monitoring effort was to determine if there was a measurable difference in nearby, downwind ambient $PM_{10}$ before and after treatment of roadways with dust palliatives. It was not intended to be a rigorous scientific study (this is not possible with the type of monitor used), nor a method of determining relative effectiveness of different palliatives (too many variables).

Plots of before and after monitoring data are on Pages 7,8 and 9. The 24 hour National Ambient Air Quality Standard for $PM_{10}$ is 150 micro-grams per cubic meter ($ug/m^3$). Site one (called #1) experienced an approximate 40% reduction in $PM_{10}$ after treatment; site two (called #7) was essentially unchanged; and site three (called #12) experienced an approximate 29% reduction. It is believed site two was inadvertently exposed to a nearby unpaved and untreated driveway first thought to be unused.

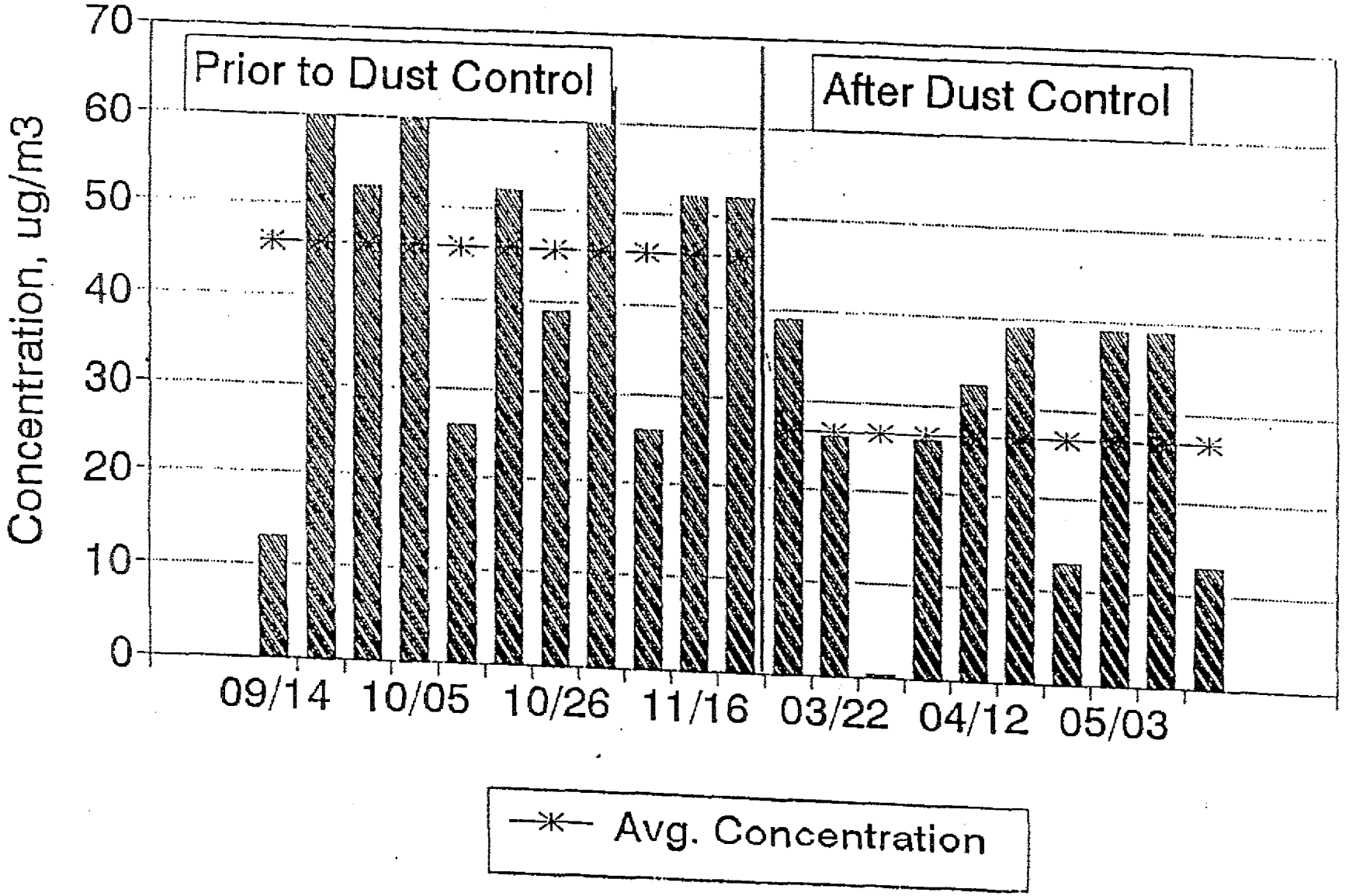
## TREATMENT OF SELECTED ROADWAYS

For Phases I and II, two tasks needed to be accomplished prior to treatment of selected roadways: 1) property owners needed to be informed the work was to be done, and 2) a contractor needed to be selected.

Tax roles were examined, property owners were identified, and the notice on Page 10 was mailed to each of about 130 parties for Phase I; a similar notice was sent for Phase III. No objections were received from any of these persons.

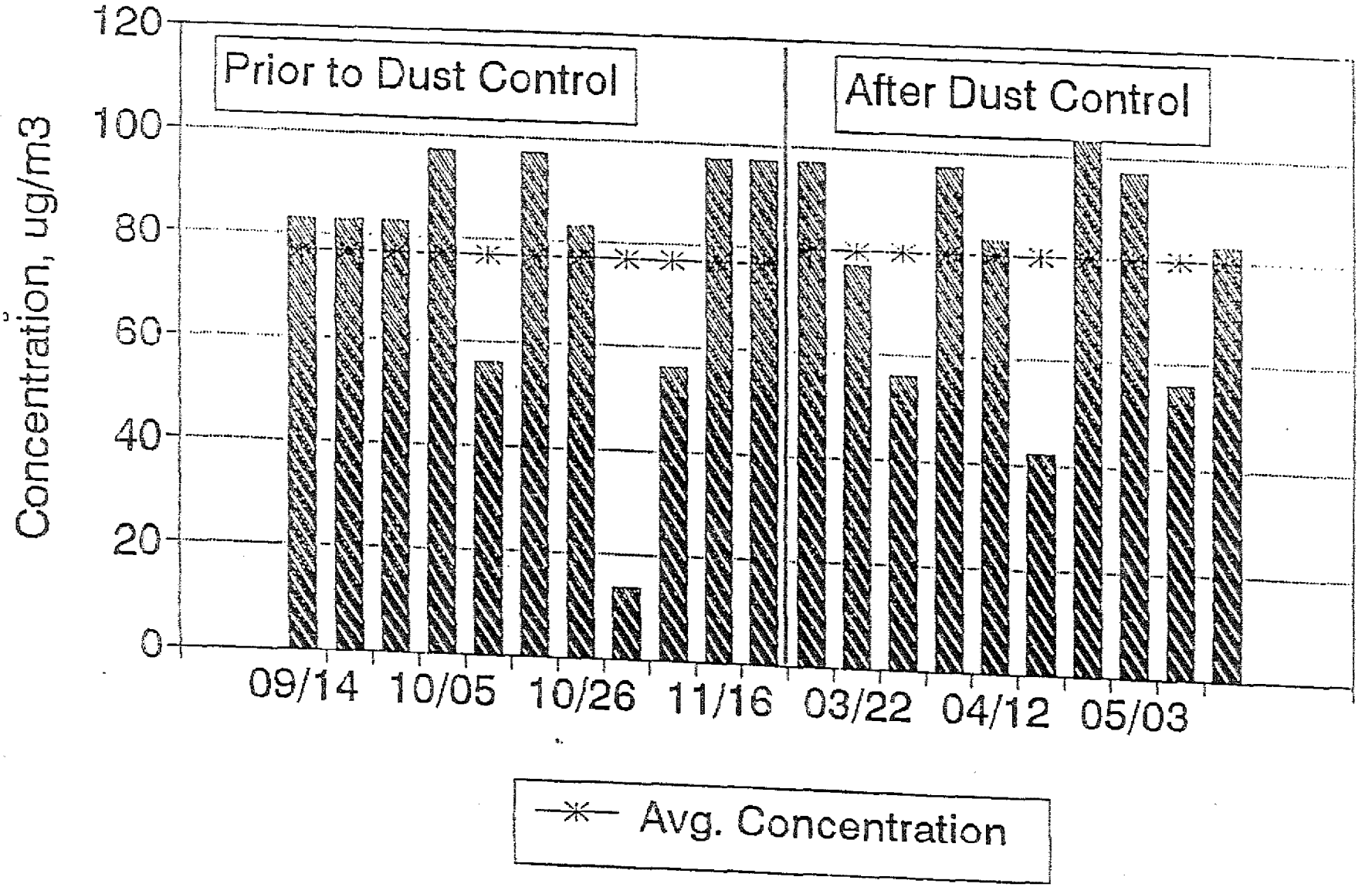
# PM-10 Monitoring Project

## West Ridgecrest, Station 1



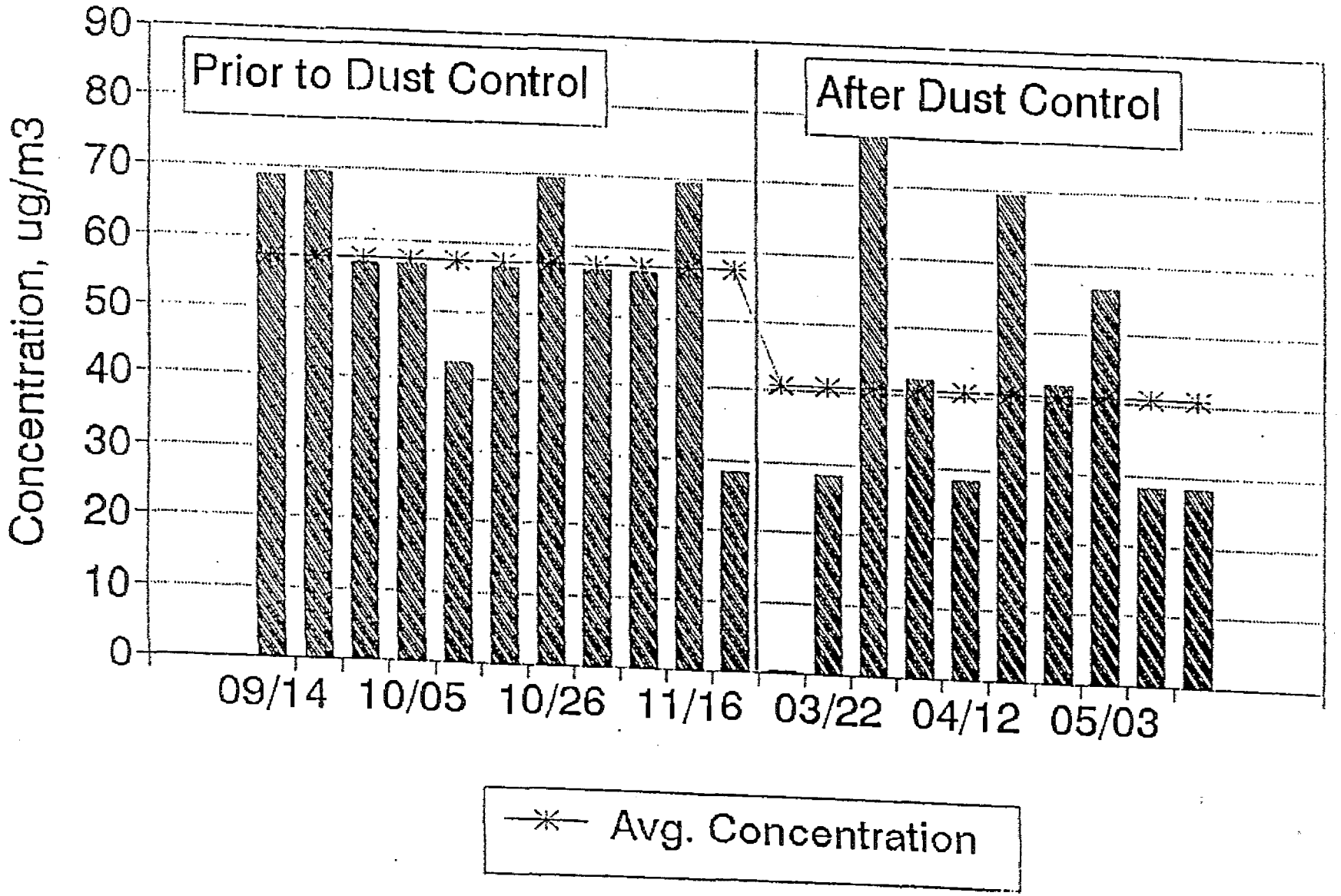
# PM-10 Monitoring Project

## West Ridgecrest, Station 7



# PM-10 Monitoring Project

## West Ridgecrest, Station 12



NOTICE

The Kern County Board of Supervisors has authorized use of $190,000 in federal funds to reduce unpaved roadway dust emissions west of Ridgecrest. The roadway in front of your property is one of four to receive treatment.

Sometime during the month of January, a highway contractor will grade, shape, and apply a dust palliative (suppressant) to these roadways. About six months later, the contractor will apply a second coat of palliative. While work is in progress, every effort will be made to insure uninterrupted flow of traffic.

The purpose of this project is to improve air quality in your neighborhood by reducing unpaved roadway $PM_{10}$ (respirable dust) emissions.

After completion of the project, we will be asking your opinion of its effectiveness in reducing dust.

Please let me know if you have any questions or comments by calling (805) 862-5250.

Being a public agency, it was necessary for Kern County APCD to solicit bids from interested contractors and award the project to the lowest (or best) qualified bidder. The services of Kern County's Resource Management Agency (RMA) Waste Management Department were utilized for this purpose for Phases I and II. KCAPCD managed the entire bid process for Phase III as it had separated from the RMA in January 1995. On November 24, 1993 bids were opened for Phase I of the contract. On December 14, 1993 the Kern County Board of Supervisors approved contract No. 93160 with Gossard Construction of Barstow, CA. for the amount of $166,454.98.

Having received the contract, Gossard Construction commenced work on January 25, 1994 and completed the initial application of palliatives on February 25, 1994. Diagrams appearing on Pages 12 and 13 show roadbed preparation specifications contained in the contract with Gossard. (Used for both Phases I and III.) Photos of roadways right after application are shown on Page 14. Dust palliatives were mixed and applied in accordance with each manufacturer's recommendations.

Phase II of Project DUST consisted of reapplication of dust palliatives. Reapplication of all seven dust palliatives occurred on August 2, 1994 approximately six months after Phase I per manufacturers' recommendations. Work was completed five days later. At that time, roadways received only minor pothole repairs and some grading before application of palliatives.

On May 1, 1995 bids were opened for Phase III of the contract. On July 27, 1995, KCAPCD's Board of Directors approved contract No. 002-1995 with Gossard Construction for the amount of $122,063.00. Gossard Construction commenced work on Phase III on November 13, 1995 and completed work on November 22, 1995. Photos on Page 15 show roadways during and after application of palliatives, and a dust control speed limit sign.

It is important to note roadways were properly graded, shaped, and compacted before application of dust palliatives. It was believed, by so preparing the project's roadbeds, the life of the palliatives would be maximized.

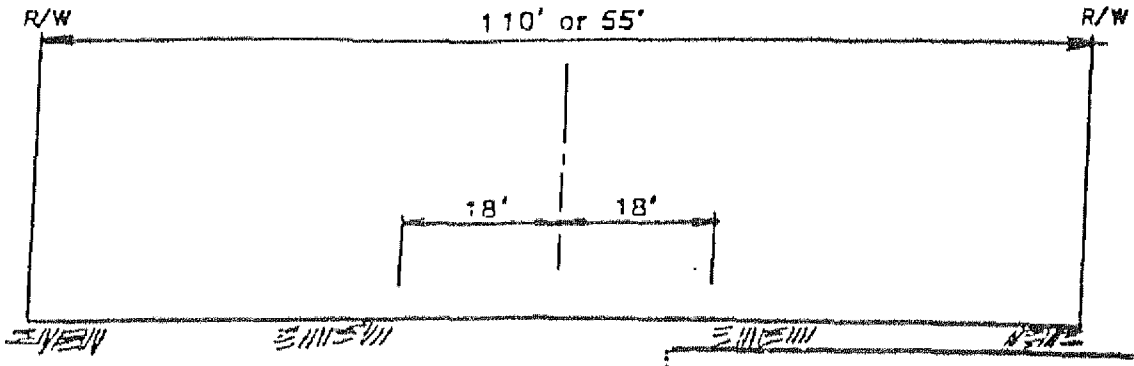
## DUST CONTROL AND DURABILITY OBSERVATIONS

All dust palliatives used affected immediate and significant reductions in visible dust emissions. Visible emissions were typically reduced to less than 5% opacity at a vehicle speed of 25 mph.

After treatment, all roadbeds assumed a different appearance. From a distance some appeared to be paved. Others retained an "earthen" look, and had either a "shiny", smooth look or a "matte" finish.

In some cases, it appears removal of rocks with what highway contractors call a "rock hound" would have been beneficial because rocks appear to have been the starting point of surface deterioration.

One observer, a local resident, noted that after a couple of horses passed over a treated roadway, the surface had been gouged by the horses' hooves.




SEE DETAIL BELOW

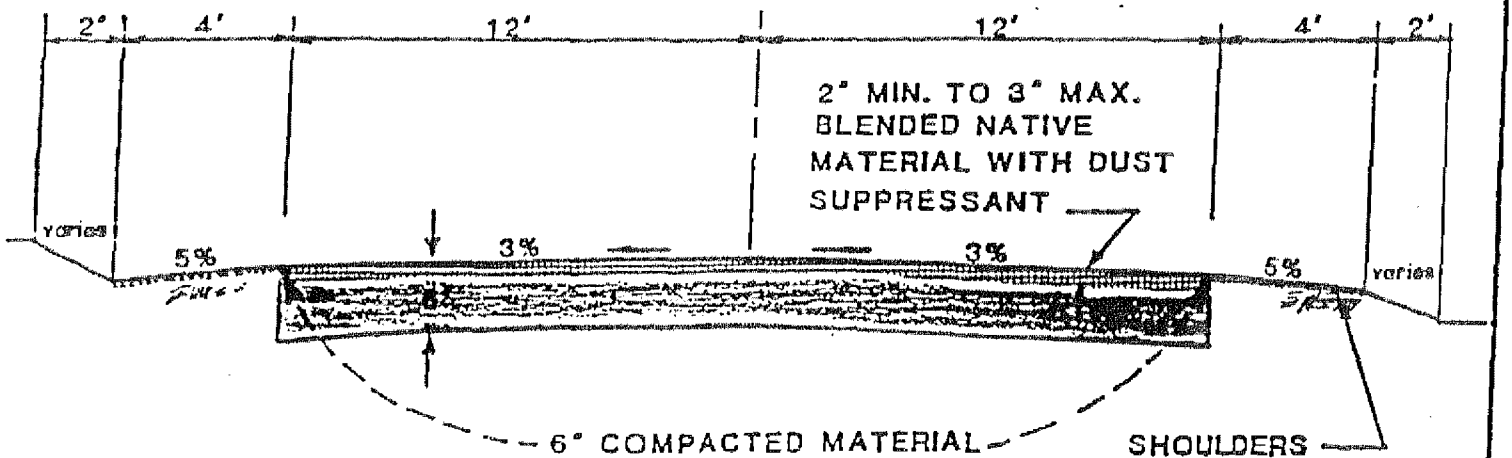
AS BUILT PLANS

CONTRACT NO. _____

CONTRACTOR _____

RESIDENT ENG. _____

DATE OF COMPLETION _____

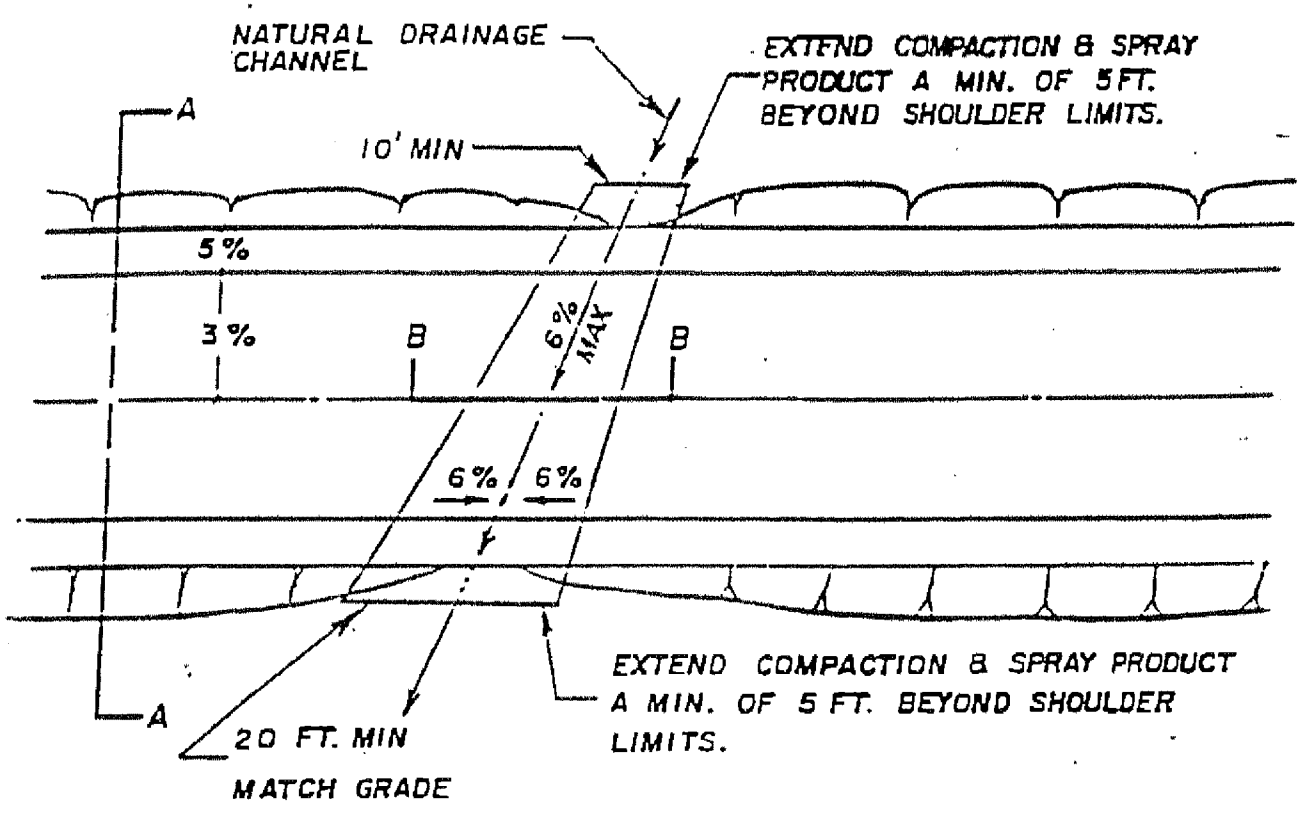


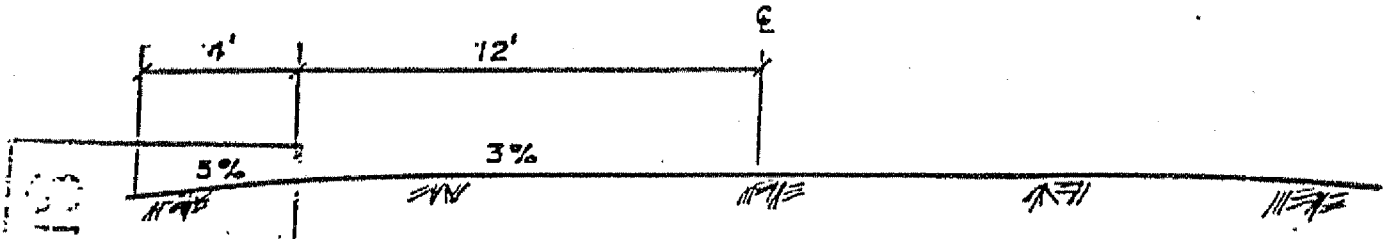

(APPLY DUST SUPPRESSANT ON ROAD BED AS REQUIRED PER SPECIFICATIONS.)

APPLY DUST SUPPRESSANT ON SHOULDER SURFACES AS REQUIRED PER SPECIFICATIONS. (SURFACE ONLY)

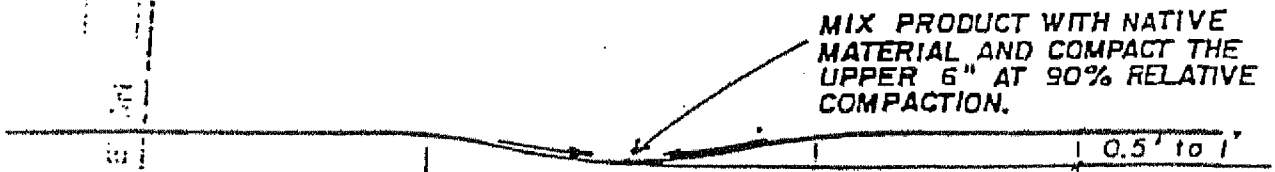
# TYPICAL ROAD BED X-SECTION FOR DRUMMOND AVE., WARD AVE., STRECKER ST., PINTO ST., & CALVERT RD.

| | | | |
|---|---|---|---|
| PM-10 DUST CONTROL PROJECT<br>WEST OF RIDGECREST | COUNTY OF KERN<br>WASTE MANAGEMENT DEPARTMENT<br>BAKERSFIELD, CALIFORNIA | date: 9-21-93<br>drawn by: S. LUNA<br>checked by: C. LACKEY | SHEET 2 OF 5 |



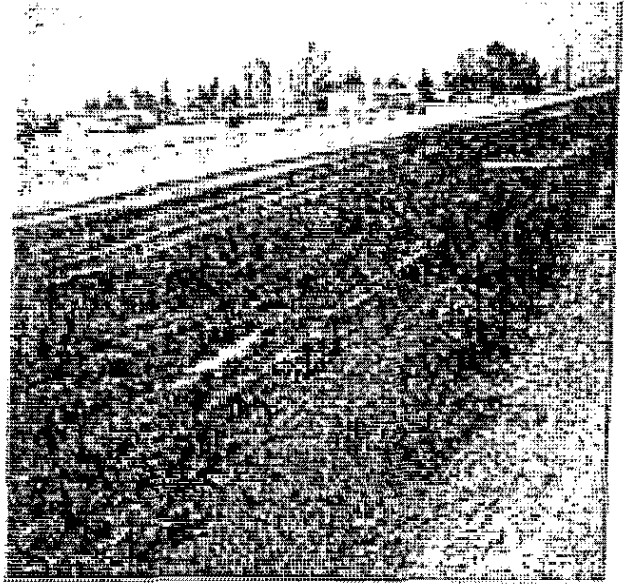

CROSS SECTION A-A



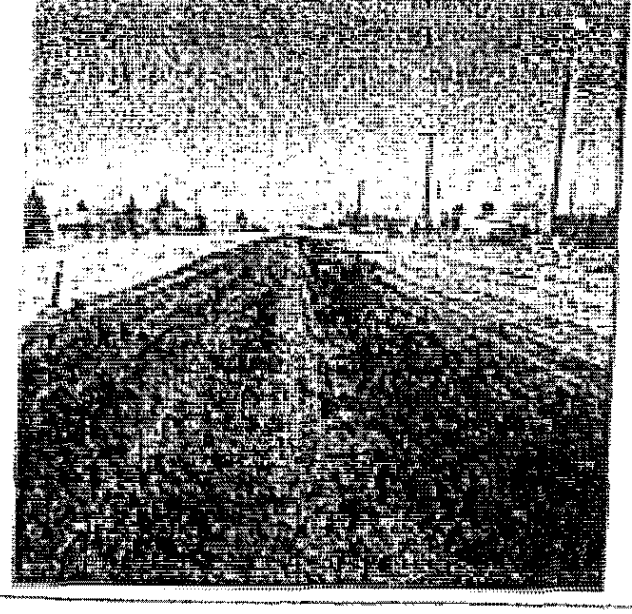

20'-50'
AS DIRECTED BY ENGINEER

CROSS SECTION B-B

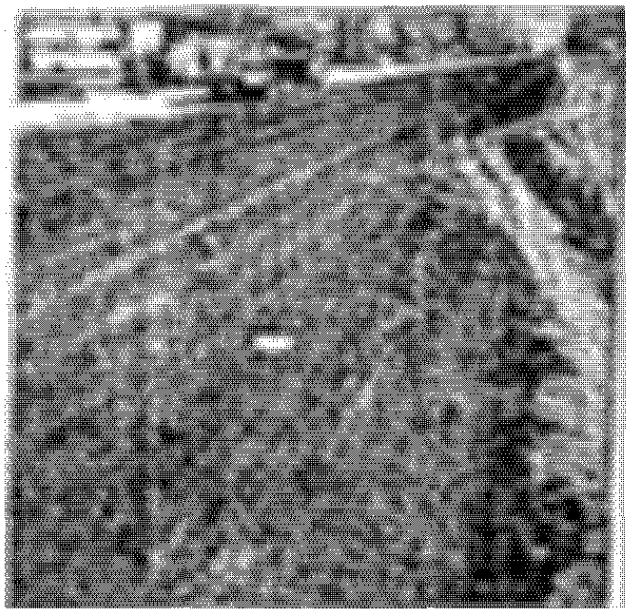
| | | | |
|---|---|---|---|
| TYPICAL ROLLING DIP AT GRADE CROSSING DETAIL | COUNTY OF KERN<br>WASTE MANAGEMENT DEPARTMENT<br>BAKERSFIELD, CALIFORNIA | date: 9-21-93<br>drawn by: S. LUNA<br>checked by: C. LACKEY | SHEET 4 OF 5 |



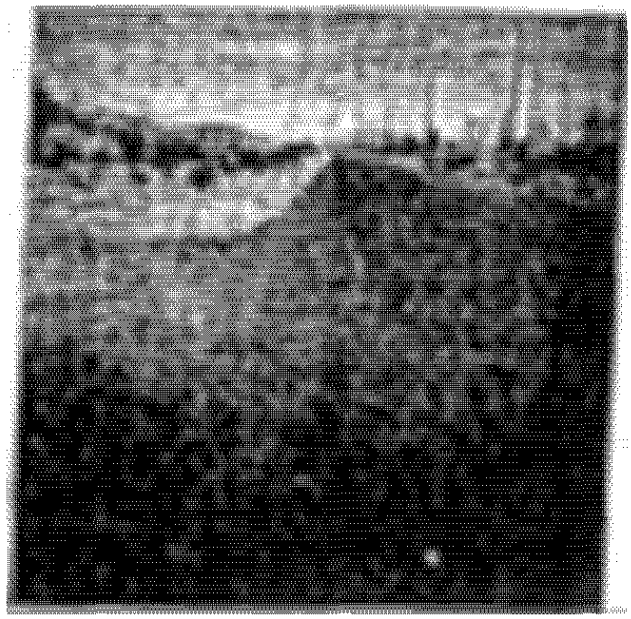
STRECKER



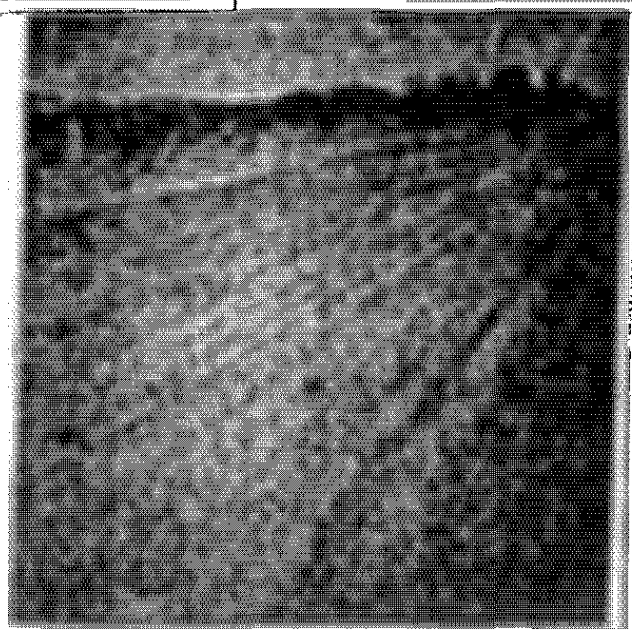
CALVERT



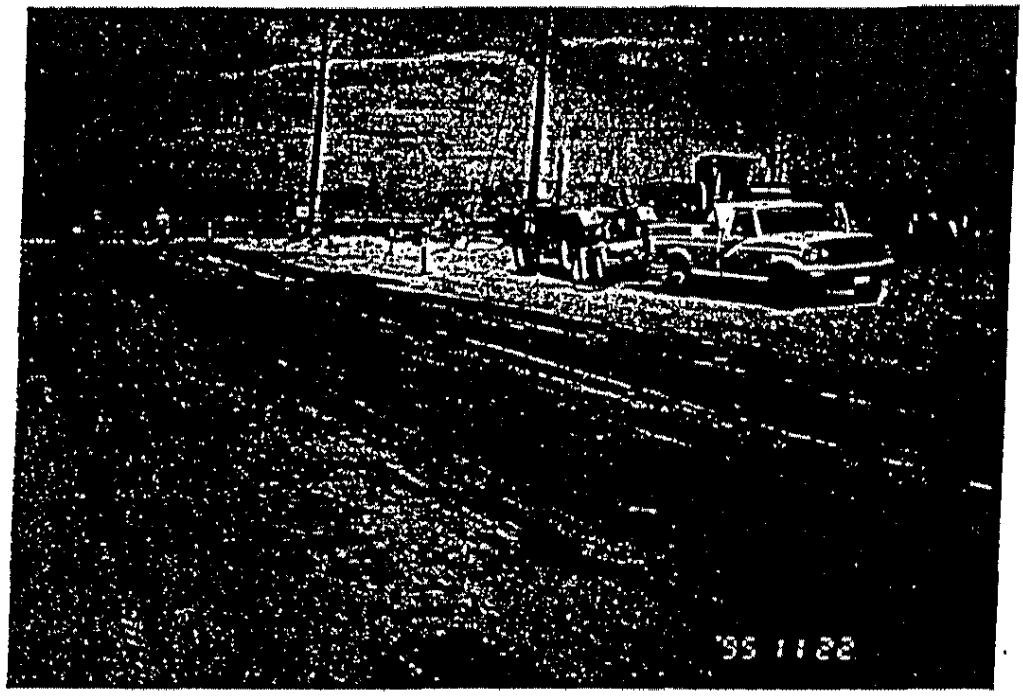
PINTO



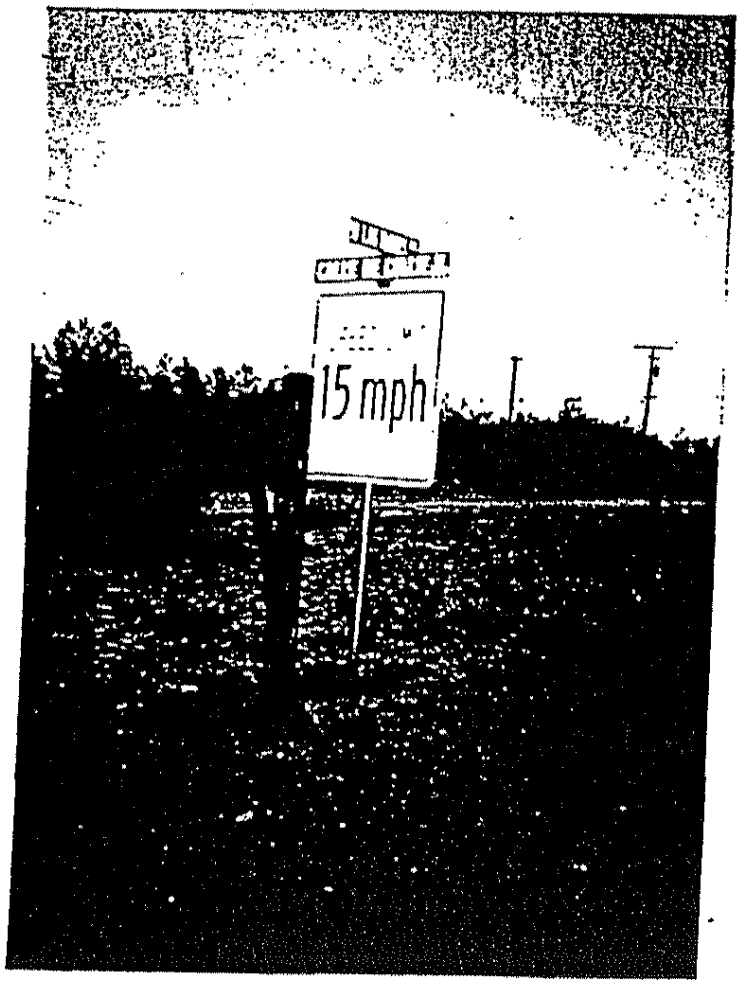
WARD



DRUMMOND



Dust Palliative Application Activity




Dust Control Speed Limit Sign

Generally speaking, treated roadways retained their "finished" look for about one to two months, and then potholes, washboarding, and unevenness started to appear. Deterioration of the smooth roadbed was accelerated by rainfall. Dust control usually continued at a fairly high level even after surfaces began to deteriorate.

True differences in dust palliatives were difficult to detect due to differences in traffic volumes, rockiness of the soil, and adequacy of drainage. At times, duration of dust control was difficult to ascertain because residents accustomed to grading their own streets disturbed the treated surface by smoothing the roadbed.

Public feedback regarding placement of dust control speed limit signs was unexpectedly positive. More requests were received for signs than funds available to purchase signs. After placement of Phase I signs, several signs disappeared, but these were found reinstalled at new locations!

At the suggestion of Supervisor Roy Ashburn, staff recruited a Project DUST roadways evaluation team consisting of an air quality specialist, a civil engineer, a public works manager, and a city official. This team periodically inspected the treated roadways and made written observations.

## PUBLIC FEEDBACK

Virtually all feedback from the public regarding Project DUST has been favorable. Many parties have stated the dust reduction has been significant and has had both a beneficial health and quality of life impact. A few complaints of vehicle soiling were received as well as a few from residents concerned with the results of road grading activity. All of these problems were easily resolved. Interestingly, public concern was expressed about deterioration of the roads' smooth surfaces before complaints were received about increased dustiness.

## MAINTENANCE OF PROJECT DUST ROADWAYS

To provide on-going dust control of Project DUST roadways, formation of a "County Services Area" (CSA) as provided for by California Government Code, Section 25210 appears to be the only feasible option. (Designation of these roadways as County roads which would then be paved is not a viable option due to lack of County funding.) CSA's are formed at the request of local residents and approved by the County Board of Supervisors. Sufficient funds are collected from residents to start the project and then additional funds are collected via tax rolls to sustain the project. (See Page 17.)

It appears each roadway would typically require reshaping and retreating at least once each year. Project DUST's "service area" encompassed about five miles of roadway and 129 property owners. (With a couple of localized exceptions, Project DUST's service area is relatively sparsely populated and characterized by large lots — hence, the low number of property owners.) Using costs of implementing Project DUST as a basis, a County Services Area assessment would be from $1000 to $1500 per year per property owner.

# COUNTY SERVICE AREA FORMATION PROCESS

**(Based on California Government Code 25210)**

Process is similar to that of an Assessment District except that:

* 50 percent of effected property owners must sign petition. (This is Board of Supervisors' policy.)

* Bond(s) not normally issued. Funds are collected until sufficient monies are available to start project.

* Service charges are collected on the tax rolls and are regulated by those laws: typical foreclosure does not occur until taxes are delinquent for more than four years.

* County Service Areas (CSA) are typically utilized for ongoing maintenance projects such as street lights or street sweeping.

District staff conducted a survey of property owners to ascertain interest in forming a CSA and level of expense owners would be willing to bear. The survey form is on Page 19. Results of the survey are as follows:

129 Questionnaires mailed out

Responses:

59 No response to questionnaire
20 Questionnaire returned (homes are vacant)
24 Responded no
26 Agreed to forming a CSA

CSA Fees Agreed To:

2 Agreed to $1500 per year

7 Agreed to $500 per year

12 Agreed to $250 per year

1 Agreed to $50 per year

It is clear from the survey, few property owners are willing to bear the expected cost of on-going dust palliative application.

# DUST CONTROL QUESTIONNAIRE

(Please Return In Self-Addressed, Stamped Envelope)

_____ Yes, I would be interested in forming an Assessment District or a County Service Area (whichever is appropriate), provided the cost is not too high.

_____ No, I would not be interested in helping fund continued dust control efforts along my property.

___ Yes ___ No ___ Don't Care Would you like to have a "dust control speed limit-15 mph" sign installed at no cost to you along your street?

If you answered "yes" above, what maximum yearly cost would be acceptable? When answering this question, please consider the improvement in "quality of life" dust control has provided, including reduced risk of respiratory illness, improved visibility and safety, and reduced soiling of your property.

_____ $250 _____ $500 _____ $750 _____ $1,000 _____ $1,250 _____ $1,500

**Comments**

_____

_____

_____

_____

_____

_____

_____

_____

# APPENDIX E

# SUPPLEMENT INFORMATION

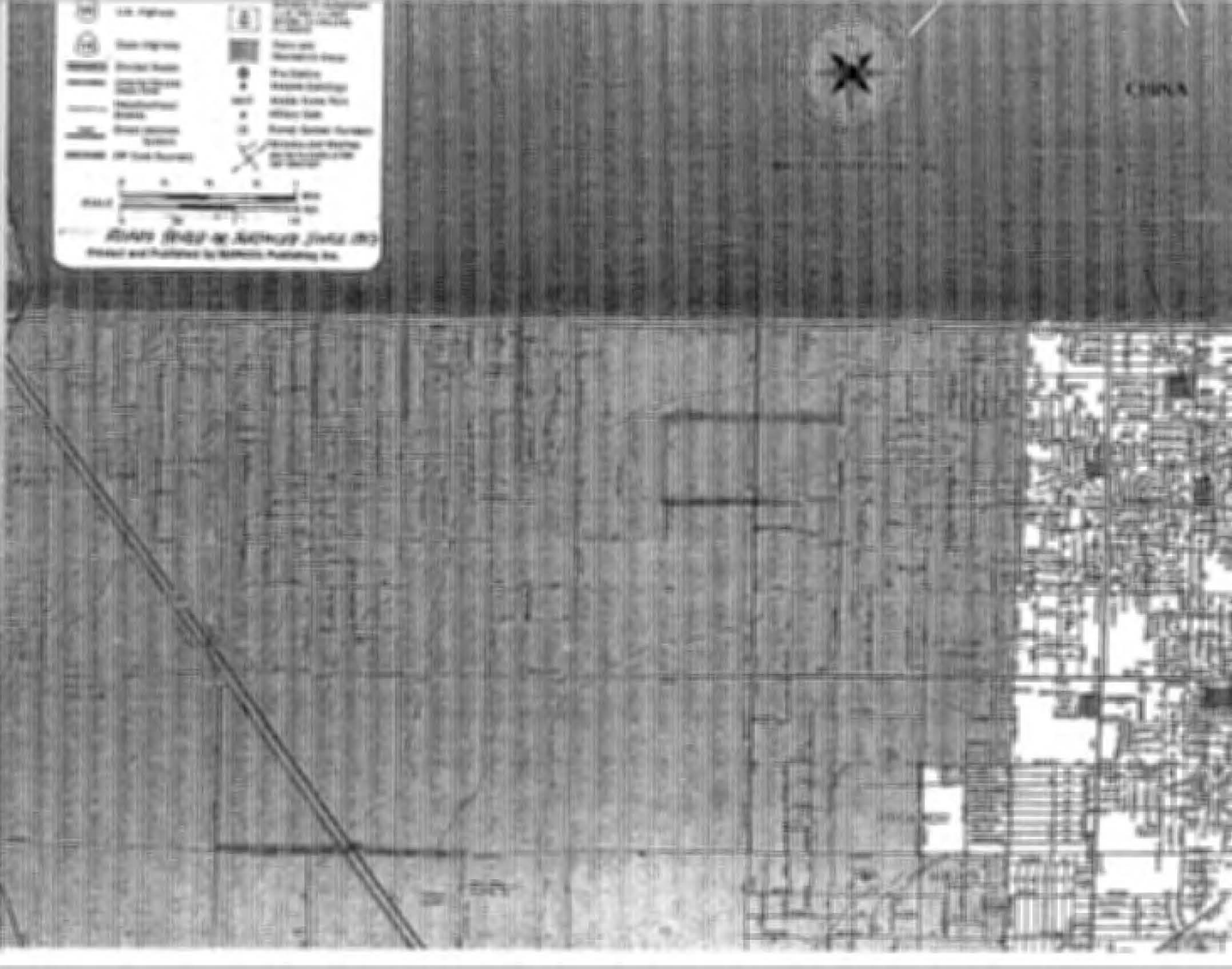
---

**MAP OF ROADWAYS PAVED**

**COUNTY OF KERN 1990 LAND USE ORDINANCE**

**CITY OF RIDGECREST MUNICIPAL CODE**

**BLM $PM_{10}$ REDUCTION ACTIVITIES**


CHINA

E. Requirements for construction of on-site and off-site improvements for subdivisions of four (4) or fewer parcels shall be noted on the final parcel map, and the subdivision improvement agreement shall be executed prior to the recordation of the final parcel map. In setting forth this requirement, the Board of Supervisors hereby finds that when construction of on-site and off-site improvements are required for subdivision of four (4) or fewer parcels, the construction is deemed a necessary prerequisite to the orderly development of the surrounding area.

F. Completion of improvements shall be in accordance with Section 18.55.120.

## 18.55.030 IMPROVEMENTS REQUIRED

A. Street and Highway Improvements

1. The subdivider shall improve all streets, highways, alleys, public ways, and easements as follows:

a. All street improvements shall be made in accordance with the Kern County Development Standards.

b. The location, type, character, and dimensions of all structures and grades of work shall be subject to approval by the Engineering and Survey Services Department.

c. All required road improvements shall be subject to inspection and approval by the Director of Engineering and Survey Services or appropriate public entity.

d. Except as otherwise expressly provided, the alignment criteria for all roads shall be in accordance with the Kern County Development Standards.

e. In those cases where approved plans and profiles are required, the same shall be filed with and approved by the Engineering and Survey Services Department.

f. All required road improvements shall be located within road easements which conform to the requirements of this chapter.

g. For Type C subdivisions, the Director of Engineering and Survey Services and Fire Chief are authorized to allow maximum grades in excess of that specified for short distances, by limited exception.

h. Street and highway improvements shall conform to the following standards: (if a conflict arises in determining the "type" of subdivision, the higher "type" improvement shall be applicable):

(1) Type A Subdivisions

(a) Type A subdivisions will be required in the following circumstances:

(i) Divisions of land located entirely or partially within the boundaries of any map contained in Appendix A, where any parcel to be created is less than twenty (20) gross acres in size.

(ii) All multifamily residential, commercial, or industrial development.

(iii) All other divisions of land which do not qualify as Type B or Type C subdivisions.

(iv) Any division of land which would otherwise qualify as Type B or Type C subdivisions, but which the subdivider, at his/her option, elects to use Type A improvements.

(v) Any division of land located within the boundaries of an adopted specific plan requiring Type A improvements.

(b) Street improvement standards for Type A subdivisions shall be in accordance with the Kern County Development Standards.

(2) Type B Subdivisions

(a) Type B subdivisions will be required in the following circumstances:

(i) Divisions of land involving five (5) or more parcels and located entirely outside of the boundaries of the maps contained in Appendix A, where any parcel to be created is less than twenty (20) gross acres in size.

(ii) Divisions of land located entirely outside of the boundaries of the maps contained in Appendix A, where any parcel to be created is one-half (1/2) net acre (twenty-one thousand seven hundred and eighty (21,780) square feet) or less in size.

(iii) Any division of land located within the boundaries of an adopted specific plan requiring Type B improvements.

(b) Street improvement standards for Type B subdivisions shall be in accordance with the Kern County Development Standards.

(3) Type C Subdivisions

(a) Type C subdivisions will be required in the following circumstances:

(i) Divisions of land where each parcel created is twenty (20) gross acres or larger, except where:

— the site, or any portion, thereof, is located within the boundaries of the maps contained in Appendix A; and

— the land use zoning of the site allows a minimum lot size less than twenty (20) acres; and

— the land use designation shown on the General Plan or applicable Specific Plan allows a zone classification where the minimum lot size is less than twenty (20) acres;

— then the subdivision shall be in accordance with Type A improvements for parcel sizes less then twenty (20) acres as shown in Appendix B.

(ii) Divisions of land located entirely outside of the boundaries of the maps contained in Appendix A, where any parcel to be created is greater than one-half (1/2) net acre (twenty-one thousand seven hundred and eighty (21,780) square feet) or more in size.

(b) Street improvement standards for Type C subdivisions are as follows:

(i) Roads shall be graded to a minimum width of twenty (20) feet.

(ii) Maximum grade of roads shall be fifteen percent (15%).

(iii) Roads shall be traversable by a standard passenger car.

(iv) Road surfacing is not generally required, except as may be required by the Air Pollution Control District's regulations.

(v) Plans and profiles are not required.

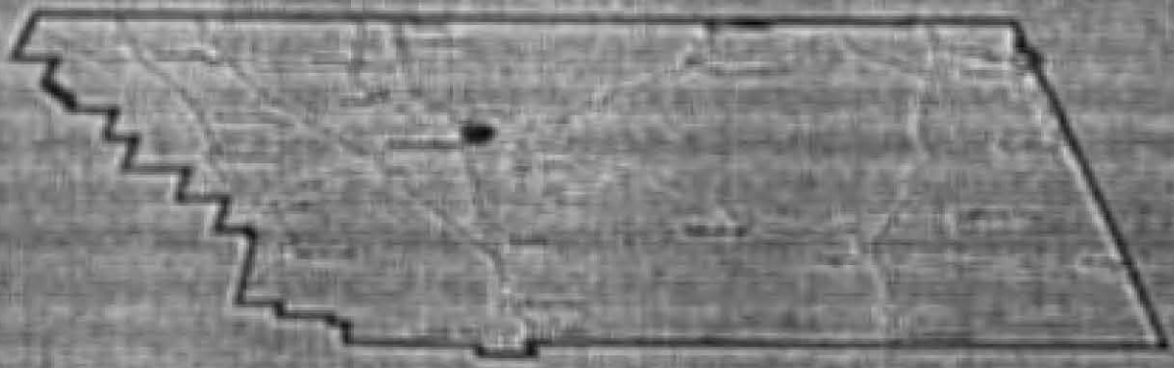
(c) As an alternative to Section 18.55.030.A.1.h(3)(b), roads may be designed utilizing the requirements of the Uniform Fire Code upon approval of a limited exception, as noted in the Development Standards, by the Fire Chief.

(d) The subdivider shall make all road improvements necessary to meet the standards in Section 18.55.030.A.1.h.

2. Dead-End Streets

a. Wherever a dead-end street more than two hundred (200) feet long, as measured from the centerline of the nearest intersection, is permitted, a "turnaround" shall be constructed in accordance with the Kern County Development Standards. If the "turnaround" is outside the tract boundary, an easement therefor shall be offered for dedication to the County, and if Type A improvements are required and drainage is not affected, construction of curbs, gutters, and sidewalks shall not be required.

# KERN COUNTY



# Development Standards

ENGINEERING & SURVEY SERVICES DEPARTMENT
2700 M STREET, BAKERSFIELD, CA 93301
AUGUST 1995

RESOURCE MANAGEMENT AGENCY

## CHAPTER III. STREET IMPROVEMENT REQUIREMENTS

### Sec. 103-1 Improvement Requirements

Wherever the standards mentioned in the Land Division Ordinance are related to lot area, the reference to the area shall be deemed to be either net area or gross area, depending on whether the minimum lot area for the zoning classification is determined by net area or gross area.

**103-1.01** Type "A" Subdivision requirements are as follows:

a. Concrete curb and gutters, sidewalks and drive approaches are required on all streets and highways within the development. For Phase Improvements by parcel or lot size, see Appendix B of the Land Division Ordinance.

b. Surfacing shall be asphalt concrete, except as provided in Section 104-4.

c. Structural section shall be designed in accordance with the current Caltrans Highway Design Manual based on the following criteria:

1. Local streets - TI = 4.75
2. Residential and commercial alley - TI = 3.0
3. Industrial streets and alleys - TI = 6.0
4. Major and secondary highways - TI to be designated by the Director.

d. The minimum asphalt concrete thickness shall be 0.20 foot.

e. For details, see Plate R-31 and Chapter IV.

f. Shoulder and/or median areas shall be paved or otherwise treated as necessary to comply with the Air Pollution Control District PM-10 (fugitive dust) regulations.

**103-2.02** Type "B" Subdivision requirements are as follows:

a. Surfacing shall be asphalt concrete, except as provided in Section 104-4.

b. Structural Section shall be designed in accordance with the current Caltrans Highway Design Manual based on the following criteria:

1. Local streets - TI = 4.0
2. Residential and commercial alley - TI = 3.0
3. Industrial streets and alleys - TI = 6.0
4. Major and secondary highways - TI to be designated by the Director.

c. For details see Plate R-31 and Chapter IV.

d. The minimum asphalt concrete thickness shall be 0.20 foot.

e. For Phase Improvements by parcel or lot size, see Appendix B of the Land Division Ordinance.

f. Shoulder and/or median areas shall be paved or otherwise treated as necessary to comply with the Air Pollution Control District PM-10 (fugitive dust) regulations.

**103-2.03** Type "C" Subdivision requirements are as follows:

a. Roads shall be graded to a minimum width of twenty (20) feet.

b. Maximum grade of roads shall be fifteen percent (15%).

c. Roads shall be traversable by a standard passenger car.

d. Road surfacing is not required except as required by the Air Pollution Control District's regulations.

e. As an alternative, roads may be designed utilizing the requirements of the Uniform Fire Code upon approval of a limited exception by the Fire Chief.

**Sec. 103-2.04** Limited Exceptions

Where multiple residential, commercial, or industrial development is proposed in conjunction with a subdivision which would otherwise qualify for a type other than Type "A," limited exceptions may be approved by the Director of Planning Department and the Director of Engineering & Survey Services Department with respect to Type "A" subdivision street improvement requirements, including but not limited to industrial or commercial street cross-section.

Where commercial or industrial development is proposed in conjunction with a Type "A" subdivision which also includes residential development, limited exceptions may be approved by the Director of Planning Department and the Director of Engineering & Survey Services Department with respect to street improvements shown on industrial or commercial street cross-section and alleys.

### Sec. 103-3 Private Streets

The use of private streets within a final map subdivision requires a variance to the Land Division Ordinance. When private streets are approved for use, an acceptable entity shall be formed for street and drainage maintenance prior to recording the final map.

The following notes shall be placed on the street improvement plans before the Director signs them:

1. The Subdivider's engineer shall be responsible for inspection of all improvements outside of County road right-of-ways and verify such to the County. No changes shall be made to these plans without the approval of the Director.

2. Subdivider shall obtain the necessary building, grading, and encroachment permits prior to starting any work required by these plans.

3. Private streets shall comply with all requirements of the Kern County Fire Department.

## CHAPTER IV. DESIGN AND CONSTRUCTION STANDARDS

### Sec. 104-1 Alignment Criteria for Streets

**104-1.01** Minimum centerline radius of horizontal curvature shall be as follows:

a. Major/Secondary Highways - 1400 feet.

b. Local or Industrial Streets - 200 feet.

c. Limited exceptions to the above minimums may be approved by the Director when topography or other conditions warrant within the following limits:

1. Major and secondary highways not less than 300 feet.

2. Local streets in mountainous areas only, may decrease radii to 100 feet when approved or conditionally approved by the Director. Curve widening to provide adequate sight distance shall be determined by the Director.

**Sec. 104-1.02** Intersections

a. Streets shall intersect at right angles where practicable. When topography or other physical feature makes this requirement impracticable, a Limited Exception may be granted by the Director. The maximum deviation which may be granted shall not exceed 15° skew beginning at the ultimate curb line from a right-angle intersection. A knuckle shall be considered an intersection for skew angles.

b. Curb return radii shall be 30 feet.

c. Property line at intersections shall be a 20 foot by 20 foot cut off, see Plate R-36.

d. Where the angle of intersection is acute, or where a sight distance problem may be anticipated, an increased property line cutoff may be required by the Director.

e. All streets entering upon any given street shall have their center lines directly opposite each other or separated by at least 150 feet.

**Sec. 104-1.03** Dead-end streets in excess of 150 feet in length shall be so constructed as to permit vehicles to turn around at the end. The director may increase the length to 200' providing no access is provided by the road. The maximum length of a dead-end street, including all dead-end streets accessed from that dead-end street shall not exceed the following cumulative lengths, regardless of the number of parcels served:

| | | |
|---|---|---|
| 1. | Parcels of less than one acre | 800 feet |
| 2. | Parcels of 1 acre to 4.99 acres | 1320 feet |
| 3. | Parcels of 5 acres to 19.99 acres | 2640 feet |
| 4. | Parcels of 20 acres or larger | 5280 feet |

Where a dead-end street serves areas in which several different length limits could apply because of several different parcel sizes, the shortest allowable length shall apply.

## Sec. 104-2 Gradient

104-2.01 Minimum grade on any street or alley shall be 0.5%. Where concrete curb and gutter or gutter in the case of an alley, is constructed, minimum grade shall be 0.2%.

104-2.02 The maximum grade on any street or alley shall be as follows:

a. Major and Secondary Highways - 6%.

b. Local streets and residential cul-de-sac streets - 10%.

c. All classes of industrial and commercial streets - 8%.

d. Alleys - 10%.

Exceptions to the maximum or minimum grades may be granted by the Director as follows:

a. Major and Secondary Highway - 8% maximum.

b. Local and cul-de-sac streets - 15% maximum.

c. All classes of industrial or commercial streets - 8% maximum. (No exceptions allowed).

d. Alleys - 15% maximum.

104-2.03 Superelevation shall be provided for all streets where required by the Director.

104-2.04 Vertical curves shall be as follows:

a. Residential and industrial streets shall be designed to provide a minimum stopping sight-distance corresponding to a design speed of 25 MPH.

b. Major and secondary highways shall be designed to accommodate minimum vehicle speeds of 65 MPH. An exception may be granted by the Director to reduce the vertical curve design speed.

c. Vertical curves shall be used when change in grade exceeds 0.50% and shall have a minimum length of 50 feet.

d. Alleys shall be designed for 20 MPH stopping sight distance.

e. The sight distance to be used shall be in accordance with the current edition of California Department of Transportation Highway Design Manual.

**104-2.05** The maximum grade for cul-de-sac street turning area shall be 8%.

**104-2.06** The maximum grade through any intersection of two streets shall be 8% within the intersection (P.I. to P.I.).

**104-2.07** When any road is extended to a subdivision boundary for the purpose of providing a future connection to adjoining property, the subdivider shall submit an alignment and profile demonstrating the feasibility of such future extension. (Minimum distance beyond tract line shall be 100 feet, 200 feet in mountains).

**104-2.08** The minimum grade for any cross gutter shall be 0.35% measured from BCR to ECR.

## Sec. 104-3 Grading

**104-3.01** Roadways shall be graded by the developer to full width as shown on the standard typical cross-sections.

**104-3.02** The maximum grade tolerance in roadway sections for aggregate base, aggregate subbase and original ground shall be 0.05 of a foot high.

**104-3.03** Grading beyond the right-of-way may be required by the Director to provide for safe sight-distance, stability and to control drainage.

**104-3.04** All grading or excavating in an existing county road, city street, or state highway shall be first authorized by a valid encroachment permit.

**104-3.05** Where improvements are required outside of the right-of-way as part of the development improvements, the subdivider shall provide satisfactory easements to allow construction and/or maintenance of the improvements. The easements shall conform to all subdivision requirements including, but not limited to, free and clear dedication, removal of obstructions and guarantee of title.

## Sec. 104-4 Pavement, Structural Sections

All streets shall be surfaced by the developer in accordance with the following specifications:

**Sec. 104-4.01** Streets shall be designed in accordance with Chapter III "Street Improvement Requirements" of these standards and the following sections.

**Sec. 104-4.02** Road surfacing on all classes of streets and alleys shall be of asphalt concrete, except as hereinafter provided.

a. Road-mixed asphalt surfacing may be used, in lieu of asphalt concrete, in those areas of the County more than 50 miles along the shortest practical route from a commercial asphalt concrete plant.

1. Road-mixed asphalt surfacing shall conform to design mix approved by the Director.

2. Minimum thickness of a road mix asphalt surfacing shall be 0.25 of a foot.

b. Alleys: Surfacing shall be of asphalt concrete or road mixed asphalt surfacing, whichever is used in the streets of the development.

c. The minimum thickness of aggregate base or aggregate subbase shall be 0.33 of a foot.

**Sec. 104-4.03** Aggregate Bases - In addition to the specified R-Valve for aggregate bases, the R-Valve at 150 psi exudation pressure shall be 90% of the R-Valve at 300 psi exudation pressure.

**Sec. 104-5** **Utility Placement Within Streets**

Underground utilities including services to be installed in streets shall be installed prior to surfacing of the streets.

The minimum cover of any underground utility within a street right-of-way shall be 30 inches.

**Sec. 104-6 Street Lights**

**Sec. 104-6.01** Residential Areas - Street lights shall be located at intersections, at midblock with blocks greater than 600 feet between intersections, at ends of cul-de-sacs greater than 150 feet in length, and on curved streets as required by the Director. Street lights on major streets or intersections with a major street shall be 9,500 lumen. Street lights on local streets shall be 5,800 lumen. Street

lights shall have an acceptable maintenance entity formed and be energized prior to acceptance of the improvements.

**Sec. 104-6.02** Commercial and Industrial Areas - Street lights shall be located at intersections and ends of cul-de-sacs greater than 150 feet in length. Luminaries shall be as provided in the above paragraph.

On local, interior streets, the street light standard, ballast, luminary, and pull box shall be installed and the light wired from the pull box at the pole. Electrical service shall be provided to the street light from the adjacent parcel (on either side of the street) as it is developed. Electrical service easements shall be granted as required.

Street lights shall be installed and an acceptable method established for maintenance by the Subdivider prior to acceptance of the subdivision improvements.

**Sec. 104-6.03** Additional Lights - In commercial, industrial, or residential areas, additional street lights shall be installed as required by the Director.

## CHAPTER V. STREET AND HIGHWAY DRAINAGE

### Sec. 105-1 Street and Highway Drainage Easements and Improvements

Any drainage easements and improvements necessary for street and highway drainage shall be provided by the Developer, in accordance with the provisions of this section.

### Sec. 105-2 Requirements for Street and Highway Drainage

The following criteria shall be applied to the design and construction of drainage facilities for streets and highways:

**105.2.01** Street Drainage

(See Drainage - Division Four, Chapter V.).

**105-2.02** Cross Drainage

(See Drainage - Division Four, Chapter VI.).

### Sec. 105-3 Design Standards for Culverts and Bridges

Structural Design

a. Bridge and culvert design standards shall conform to "Standard Specifications for Highway Bridges" of the American Association of State Highway Officials, and the Bridge Design Manual of the Office of Structures, California Department of Transportation.

b. Design loading shall be H20-S16-44 with alternate.

c. Bridge width shall equal the approach roadway width plus one pedestrian walkway in accordance with the standard typical cross-sections included. Where a designated bike way exists, additional width may be required by the Director.

**Sec. 105-4 Miscellaneous Provisions**

Street or highway crossings below check dams and/or spillways shall require special investigation and design. Plans for such crossings shall be submitted to the Director for review and approval.

Where special design or variation from standards is necessary for any drainage facility, crossing a street or highway, said design shall be subject to the approval of the Director.

# CITY OF RIDGECREST

# CALIFORNIA

## Ridgecrest Municipal Code

## 1980

*1998 City Officials:*
Donna Darnell, *Mayor*
Ronald Carter, *Vice Mayor*
John I. Sterling, *Interim City Administrator*
Wayne K. Lemieux, *City Attorney*
John I. Sterling, *City Clerk*

CITY COUNCIL
Steven P. Morgan
Steven M. Rollins
Marshall Holloway, *Mayor Pro Tempore*

CODED SYSTEMS CORPORATION
120 MAIN STREET
AVON, NEW JERSEY 07717

Supplement Service beginning with Supplement Number 22, 9/93
by:

MUNICIPAL CODE CORPORATION
Tallahassee, Florida 1993

Rev. Ord. Supp. 9/99

9. Traffic islands where they are required to control the movement of traffic.

10. Barricades and reflectors along the ends of all dead end streets other than cul-de-sacs and at the ends of culverts and other dangerous areas.

11. Installation or relocation of traffic signals, traffic signs, safety lighting and safety devices where required by the City Engineer.

12. Easements or land dedicated to the City for park and recreation purposes shall be improved with sidewalks, rough grading, curbs and gutters, and adequate provisions for service to the proposed park site of all necessary utilities.

13. Other improvements where deemed necessary by the Planning Commission for the public health, safety, or welfare.

b. The subdivider shall perform all work required by the City Engineer or building official in connection with the demolition, moving, altering or conversion of any structure or facility, including underground structures either wholly or partially within the subdivision or affected thereby.
(Ord. No. 87-01, § 45)

19-7.2 *Subdivision Improvement Plans.* Plans, profiles and specifications of proposed improvements shall be furnished to the City Engineer prior to the time of submitting the final map to him. Such plans and profiles shall show full details of the proposed improvements which shall be according to the standards of the City. Plan check fees shall be as established by resolution of the City Council. (Ord. No. 87-01, § 46)

19-7.3 *Subdivision Grading Plans.* The subdivider shall be required to submit grading plans which shall incorporate all requirements of Appendix Chapter 70 of the Uniform Building Code, and the provisions of this chapter. Also the subdivider shall furnish all geological and soil test data as may be required by the City Engineer and Building Official. (Ord. No. 87-01, § 47)

and identified and if already of record, precise reference to the records given. Easements being dedicated shall be so indicated in the certificate of dedication.

f. Locations and widths of drainage channels.

g. Locations and widths of utilities rights-of-way.

h. Locations and widths of railroad rights-of-way.

i. Limitations on rights of access to and from streets and lots and other parcels of land.

j. Locations and widths of reserve strips.

k. Locations, widths and names of streets, alleys and pedestrianways adjacent to the proposed subdivision.

19-7.4 *Subdivision Completion of Improvements.* If the required improvement work is not completed satisfactorily before the final map is approved, the owner or owners of the subdivision shall, immediately upon approval and before the certification of the final map by the City, enter as contractor into an agreement with the City Council whereby, in consideration of the acceptance by the City Council of street and easements offered for dedication, the contractor agrees to complete the work within the time specified in the agreement. (Ord. No. 87-01, § 48)

19-7.5 *Subdivision Improvement Security Required.* To assure the City that this work will be completed and lien holders paid, an improvement security shall be furnished guaranteeing faithful performance, and guaranteeing payment for labor and materials. The amount of such improvement security shall be determined by the City Engineer, and approved by the City Council as to the amount and adequacy. Improvement security as used in this section means one or a combination of the following:

a. A cash deposit or deposits made with the City.

b. A bond or bonds by one or more duly authorized corporate sureties.

c. An instrument or instruments of credit from one or more financial institutions subject to regulation by the State or Federal Government pledging that the funds necessary to meet the performance are on deposit and guaranteed for payment and agreeing that the funds designated by the instrument shall become trust funds for the purpose set forth in the instrument.

(Ord. No. 87-01, § 49)

19-7.6 *Subdivision Forfeiture of Security.* Upon the failure of a subdivider to complete all improvement within the time specified in an agreement or extension thereof, the Council may, upon notice in writing of not less than 20 days served by registered mail, addressed to the last known address of the person, firm, or corporation signing such contract, determine that said improvement work or any part thereof is uncompleted and may cause to be forfeited to the City such portion of said sum of money or bonds given for the faithful performance of

said work as may be necessary to complete such work. (Ord. No. 87-01, § 50)

19-7.7 *Subdivision Exoneration of Security.* It shall be the duty of the City Engineer to inspect all improvements installed and monuments set as to their compliance with this chapter and City standards. No sum of money or bonds given for faithful performance of such work shall be exonerated from the agreements referred to herein until and unless the City Engineer certifies compliance thereto. (Ord. No. 87-01, § 51)

19-7.8 *Subdivision Improvements - Underground Utilities.* Utility lines, including but not limited to electric, communications, street lighting and cable television shall be required to be placed underground. The subdivider is responsible for complying with the requirements of this section, and he shall make the necessary arrangements with the utility companies for the installation of such facilities. For the purposes of this section, appurtenances and associated equipment such as, but not limited to, surface mounted transformers, pedestal mounted terminal boxes and meter cabinets, and concealed ducts in an underground system may be placed above ground. The Commission may waive the requirements of this section if topographical, soil or any other conditions make such underground installations unreasonable. This section shall not apply to existing utility lines which do not provide service to the subdivision being developed. (Ord. No. 87-01, § 52)

19-7.9 *Required Parcel Map Improvements.* The party requesting approval of a parcel map shall be required to improve all streets, highways or ways in and adjacent to the parcel map as required by the Planning Commission's conditions of approval of the tentative parcel map, and in accordance with the standard subdivision improvement specifications of the City on file with the City Engineer.

The improvements which may be required by the Planning Commission prior to final approval of the parcel map are:

a. Grading, concrete curbs and gutters, driveways, cross gutters, drainage and drainage structures necessary to the proper use and drainage of streets, highways and ways or to the public safety.

b. Street pavement and base of a thickness determined by the City Engineer in conformance with the standard City specifications.

c. Concrete sidewalks not less than five feet wide and four inches thick.

d. Sanitary sewer facilities and connections for each lot.

e. Services from public utilities and sanitary sewers made available for each lot in such manner as will obviate the necessity for disturbing the street pavement, gutter, culvert and curb when service connections are made.

f. Fire hydrants of a size, and at the location designated by the Indian Wells Valley Water District and the Kern County Fire Department.

g. A street lighting system of type approved by City Engineer.

h. Street name signs at all street intersections. The owner shall bear the total expense incurred by the City in purchasing and installing all required street name signs.
(Ord. No. 87-01, § 53)

19-7.10 *Parcel Map Improvement Plans.* Plan, profiles and specifications shall be furnished to the City Engineer prior to approval of the parcel map. (Ord. No. 87-01, § 54)

19-7.11 *Parcel Map Completion of Improvements.* Where under the provisions of Section 66411.1 of the Subdivision Map Act improvement may not be required to be installed until such time as a grant of a development or approval is issued, fulfillment of the improvement requirements of this chapter shall be the obligation of the person or persons requesting development approval rather than obligation of the subdivider. The Planning Commission may require fulfillment of improvements within a reasonable time following approval of the parcel map and prior to the issuance of a permit with the finding that fulfillment of the construction requirements is necessary for reasons of:

# SECTION 4

## STREET DESIGN

### 4.01 Classes

For purposes of geometric and structural design, streets shall be classified according to the following. Any deviation from the following standard shall require the approval of the City Engineer.

| Class | Right Of Way (Feet) | Width Between Curbs (Feet) | Intersection Radius (Feet) | | *Traffic Index | Minimum Section (Inches) | **Minimum Centerline Radius for Horizontal Curve (Feet) |
|---|---|---|---|---|---|---|---|
| | | | Prop. Line | Curb Line | | | |
| Major (With 20' Median) | 110 | 72 | 20 | 30 | 10 | 3.00 AC<br>10.00 AB | 1000 |
| Secondary | 90 | 68 | 20 | 30 | 8.5 | 3.00 AC<br>8.00 AB | 1000 |
| Collector | 64 | 42 | 20 | 30 | 7 | 3.00 AC<br>6.00 AB | 500 |
| Minor Cul-de-Sac | 60 | 40 | 20 | 30 | 4 | 2.00 AC<br>4.00 AB | 150 |
| Frontage | 44 | 32 | 20 | 30 | 9 | 3.00 AC<br>8.00 AB | 500 |
| Private | 53 | 40 | 20 | 30 | 4 | 2.00 AC<br>4.00 AB | 150 |

* May be raised at the discretion of the City Engineer if traffic warrants a higher value.

The minimum street section shall be determined from "R" values obtained from material gathered from the level of the proposed subgrade using the State of California Division of Highways design method. In no case shall the minimum street section be less than 2 inches asphalt concrete and 4 inches of aggregate base. Aggregate base section may be comprised of an equivalent section of aggregate base and aggregate subbase, but in no case aggregate base will be less than 4 inches. If deep lift ashalt is used the minimum section shall be 4 inches.

** Actual design of horizontal curves shall be based on the design speed of the street as determined by the City Engineer.

*CS-3 Asphalt Concrete*

Asphalt concrete shall be "Type B" and shall conform to the provisions of Section 39 of the Standard Specifications and these special provisions.

Asphalt concrete "Type B" shall have a bituminous binder of paving grade asphalt AR 4000 viscosity grade, unless otherwise directed by the Engineer, and shall conform to the requirements shown in the table for "Steam-Refined Paving Asphalts" in Section 92 of the Standard Specifications.

The amount of bituminous binder to be mixed with the mineral aggregate shall be between five percent (5%) and seven percent (7%) by weight of dry mineral aggregate. The exact amount of bituminous binder to be mixed with the mineral aggregate will be determined by the Engineer.

The combined mineral aggregate for asphalt concrete "Type B" placed on the roadway for the leveling course shall conform to the grading specified for the three quarter inch(3/4")maximum medium grading as specified in Section 39-2.02, Aggregate,of the Standard Specifications.

The combined mineral aggregate for asphalt concrete "Type B" placed on the roadway for the finish course shall conform to the grading specified for the one half inch (1/2") maximum medium grading as specified in Section 39-2.02, Aggregate, of the Standard Secifications.

Prior to placement of the leveling course of asphalt concrete the surface of the aggregate base shall cleaned of all loose granular particles. The surface of the aggregate base and all vertical surfaces of concrete against which the asphalt concrete will be finished shall be coated with a prime coat consisting of MC-70 low viscosity asphalt at a rate of 0.30 gallon per square yard. The contractor shall exercise care prevent over priming, shall not place asphalt concrete until the prime coat has fully set and cured and shall not allow the prime coat to be exposed to traffic until the asphalt concrete has been placed.

Prior to placement of the finish course of asphalt concrete the surface of the leveling course shall be cleaned of all loose granular particles. The surface of the leveling course and all vertical surfaces of concrete against which the asphalt will be finished shall be coated with a tack coat consisting a solution of equal parts of SS-1 asphalt emulsion and water. The rate of application of this solution shall be at the rate of 0.10 gallon per square yard. The contractor shall take all measures necessary to assure that the tack coat is thin, that the tack coat is applied uniformly and that the tack coat has been allowed to cure before the finish course of asphalt concrete is placed. The

contractor shall take all measures necessary to assure that the tack coat is not exposed to traffic until the finish course of asphalt is placed.

The finish course of asphalt concrete shall be placed in continuous passes traversing the entire length of the project in order to minimize transverse joints.

Asphalt concrete "Type B" will be measured by the ton of completed mixture in accordance with the provisions of Section 9-1.01, Measurement of Quantities, of the Standard Specifications.

Asphalt concrete shall be paid for at the contract unit price per ton. Said price includes full compensation for furnishing all labor, materials, tools, equipment, and for doing all the work involved in constructing the asphalt concrete complete in place, as shown on the plans and specified herein.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Ridgecrest Field Office
300 South Richmond Road
Ridgecrest, CA 93555-4436

IN REPLY REFER TO
7000
CA650-31

Kern County Air Pollution Control District
2700 M Street, Suite 302
Bakersfield, CA 93301

Dear Mr Paxson:

The Ridgecrest Field Office manages public lands in Eastern Kern County within the Indian Wells Valley PM10 Federal Non Attainment Area (originally the Searles Valley Federal PM10 non attainment area). As an agency our activities themselves do not generate significant PM10 emissions. We authorize and allow activities that do generate PM10 emissions. These emissions come from activities we authorize such as utility and highway rights of ways, mining and OHV (off highway vehicle) competition. They also come from casual OHV use on the many miles of unpaved roads in the area.

Since the EPA designation of the area as a non attainment area we have made a number of changes which have reduced PM10 emissions from the federal lands managed by the Bureau of Land Management. One of the changes is through the conformity process as required by the 1990 amendments to the Clean Air Act. Through this process requests for authorizations are reviewed for conformity to the SIP including the application of RACM and the acquisition of necessary KCAPCD permits before authorizations are issued. Many of the traditional control measures do not apply to competitive OHV use, however the demand and usage is down over 60% since the baseline year resulting in an estimated 60% reduction in emissions from that source.

Reductions in emissions from casual OHV use has also occurred. In 1994, Congress passed the Desert Protection Act which made a number of changes for the public lands including the establishment of wilderness areas. Three of those wilderness areas are within the Indian Wells Valley portion of eastern Kern County. The wilderness designation includes a prohibition on mechanized equipment in wilderness. This resulted in the closure to OHV use of over 60 miles of unpaved roads within the PM10 planing area. In addition we have been changing a large number of OHV routes in the drainage south of Ridgecrest to hiking, mountain biking and equestrian trails in a project called the Rademacher Hills Trail. We have also closed and rehabilitated a number of routes there. The total is about 23 miles of old unpaved roads now closed to OHV use.

In the next several years we will finish our review of other routes in the area and anticipate there would be some additional closures. We are also conducting rehabilitation on some abandoned routes in the planning area.

If you need additional information or explanation please feel free to continue to contact Mr. Glenn Harris of my staff. His phone number is (760) 384-5431.

Sincerely,

Hector Villalobos
Field Manager