KERN COUNTY AIR POLLUTION CONTROL DISTRICT

PM₁₀ (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

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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/m³ 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 PM₁₀ 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.

INTRODUCTION AND BACKGROUND

PURPOSE OF DOCUMENT

REGULATORY BACKGROUND

SETTING

PURPOSE OF DOCUMENT

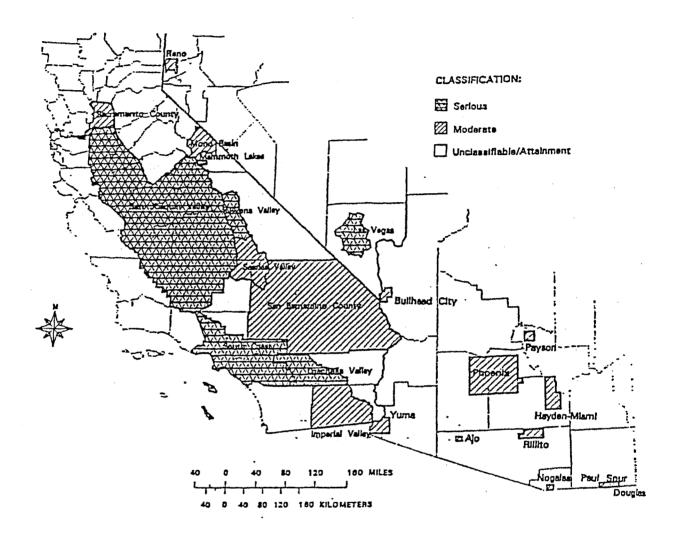
The Kern County portion of the Searles Valley Federal PM_{10} Nonattainment Area has experienced only a few exceedances of the 24 hour Federal PM_{10} National Ambient Air Quality Standard (NAAQS) since May 30, 1991, two or three caused by "Owens Lake events," and one or two due to "natural events". 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 PM₁₀ 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.



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.

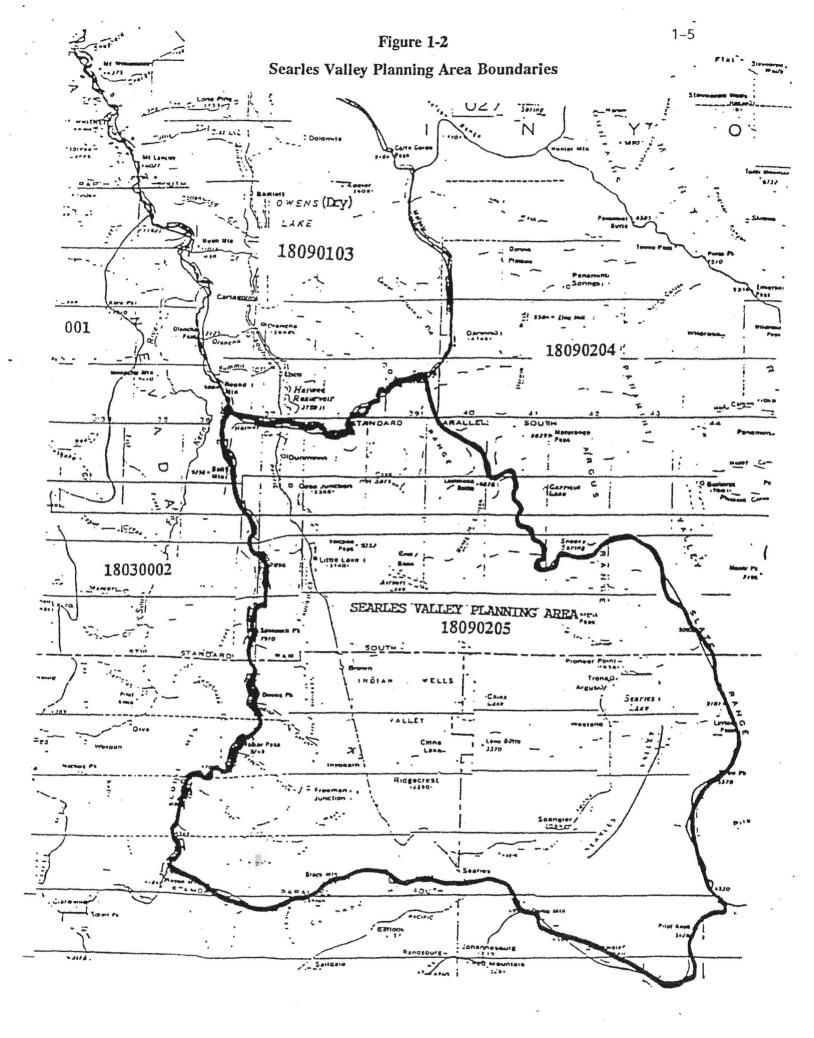
As part of its PM_{10} designation process, U.S. EPA developed three categories for areas without a history of PM_{10} monitoring: **Group I** (areas with "95% probability of exceeding the NAAQS's"); **Group II** (areas with "a probability between 20 - 95% of exceeding the NAAQS's"); and **Group III**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



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, Ridgccrest. 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

ATTAINMENT PLAN AND AMENDMENTS

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/m³ (micrograms per cubic meter) recorded on March 13, 1991. A "design value" 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/m³ is only 11% above the 24 hour NAAQS of 150 ug/m³. 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/m³.)

KERN COUNTY PORTION OF SEARLES VALLEY PLANNING AREA (18090205)

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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 Scarles Valley PM_{10} Attainment Plan had satisfied completeness criteria of 40 CFR Part 51, Appendix V.

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 <u>T</u>reatment) 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.

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

PM₁₀ 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	<u>PLANNED REDUCTION</u> (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 PM₁₀ 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.

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.

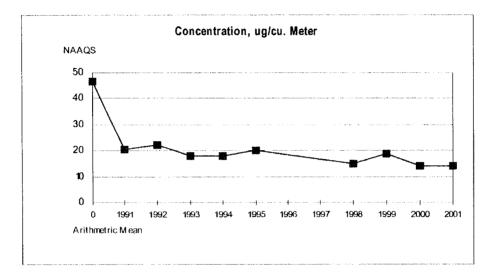
 PM_{10} data collected at these sites, referred to by the California Air Resources Board as sites #06-029-1001 and #06-029-0015, show few exceedances of the 24 hour National Ambient Air Quality Standard (NAAQS) of 150 ug/m³, and show no exceedances of the annual arithmetic mean of 50 ug/m³ during the 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/m³ on March 24, 1995. The highest annual arithmetic mean was 23.0 ug/m³. Data collected during 1999, 2000 and 2001 demonstrate attainment of PM_{10} National Ambient Air Quality Standards, and, in fact, n early show attainment of the California PM_{10} Ambient Air Quality Standards of 50 ug/m³ (24 hr.) and 30 ug/m³ (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 lnyo County and transports it across the Indian Wells Valley.

FIGURE 5-1

PM₁₀ ANNUAL ARITHMETIC MEANS



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/m³ 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 Scarles 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 PM₁₀ 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 6-1Linear Rollback Model Attainment Demonstration1999-2001

	1999 Emissions	PM ₁₀ Conc. Contribution	2001 Emissions	Attainment
Emission Source Category	<u>Tons/Day</u>	(ug/m ³)	Tons/Day	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

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

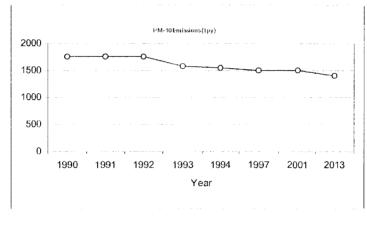
Forecast inventories are estimated by multiplying a base year value for each category by a "growth code" for a given future year. The "growth code" is indexed to the base year (1990 for this document), so its value is 1.00. This allows the growth code to estimate future emissions; for example, if the 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.









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)

				ACTUA	NL				FOR	ECAST
	19	991	1	994	19	99	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/m³

* 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

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:

- 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))]
- 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. <u>Purpose</u>

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. <u>Definitions</u>

- 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. <u>Exemptions</u>

- 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. <u>Requirements</u>

- 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 PM₁₀ 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)

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e							10 11			V V S
			No marke	13 1.1 3 15		<u>1</u> a) <u>2/17 - 16</u>			15 2 4	-
]	7.285. A.36E.	// 7.20	15. H. 37 E	20 7 285, 3,38E	1/1	E T.235. A.3	IDE (1)	T.2.5. R.40E.		-
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	ر المرابع من المرابع من المرابع من المرابع	E. 510	Opal Mine	TUNNEL	Reil	S Garlos			1	
3E. 1 13	1		A	Copper Bas	In Mine 1 3	GARLOCK	MILADAO	C. RADE		1
Butterbred	dt Peak Bullerbredt		RED ROCK CANYON	- 53-+	· ROBU		Rock Oandabur	2 9 mm v v v	p1	
- Rom	- Jan Martin		PARKE	(2)		G T 13 . 47 Garlock SHL 67	•	JOHANNE	SBUAG	Corvie
028'-		Enicando	+	SALTD	ALE ONT	VALLEY	1 25 .61 M	HANDSBURG MUSI	UNIC 341	
	- Holiman				FREM	<u> </u>		vernment Prak	- 22 - 5	ST.
	numer (-3	CANTIL	KOEHN LAK	E			4755	NICE MILLER CO.	l
~~ `		Canvon Roard	CANIL Portake	Rd. 35 (Drv)	14-23				4	`
	New Section of the se	Open	Red Hock S	ch orinm SHL 476		1 1 V 22	21 (24) ····		<u> </u>	

APPENDIX B

AIR QUALITY DATA

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Kern County APCD

China Lake-Powerline Road PM₁₀ 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	PM10	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	PM10	4/30/99	4
China Lake-Powerline Road	1500211	PM10	5/6/99	17
China Lake-Powerline Road	1500211	PM ₁₀	5/12/99	21
China Lake-Powerline Road	1500211	PM10	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	PM10	6/5/99	14
China Lake-Powerline Road	1500211	PM10	6/11/99	23
China Lake-Powerline Road	1500211	PM ₁₀	6/17/99	19
China Lake-Powerline Road	1500211	PM10	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	PM10	7/11/99	
China Lake-Powerline Road	1500211	PM ₁₀	7/17/99	
China Lake-Powerline Road	1500211	PM ₁₀	7/23/99	Kind of the family in the family demonstration of the second second second second second second second second s
China Lake-Powerline Road	1500211	PM10	7/29/99	20
China Lake-Powerline Road	1500211	PM10	8/4/99	17
China Lake-Powerline Road	1500211	PM ₁₀	8/10/99	18
China Lake-Powerline Road	1500211	PM10	8/16/99	18
China Lake-Powerline Road	1500211	PM10	8/22/99	19
China Lake-Powerline Road	1500211	PM,	8/28/99	

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	PM10	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	PM10	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	1
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 _{to}	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	1 4
China Lake-Powerline Road	1500211	$\frac{PM_{10}}{PM_{10}}$	4/18/00	
China Lake-Powerline Road	1500211	PM_{10}	4/18/00	
China Lake-Powerline Road	1500211	$\frac{\Gamma W_{10}}{PM_{10}}$	4/30/00	13
China Lake-Powerline Road	1500211	$\frac{PM_{10}}{PM_{10}}$	5/2/00	17
China Lake-Powerline Road	1500211	$\frac{PM_{10}}{PM_{10}}$	5/6/00	16
				9
China Lake-Powerline Road	1500211	IPM ₁₀	5/12/00	1 2

STATION NAME	ARB SITE	Abbrev	Date	Cone
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	PM10	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	PM10	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	PM10	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	PM10	10/15/00	12
China Lake-Powerline Road	1500211	PM ₁₀	10/21/00	20
China Lake-Powerline Road	1500211	PM10	10/27/00	8
China Lake-Powerline Road	1500211	PM10	11/2/00	11
China Lake-Powerline Road	1500211	PM10	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.,	12/14/00	7
China Lake-Powerline Road	1500211	PM ₁₀	12/20/00	21
China Lake-Powerline Road	1500211	PM10	12/26/00	8
China Lake-Powerline Road	1500211	PM10	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	PM10	1/19/01	8
China Lake-Powerline Road	1500211	PM ₁₀	1/25/01	4
China Lake-Powerline Road	1500211	PM ₁₆	1/31/01	4
China Lake-Powerline Road	1500211	PM ₁₀	2/6/01	

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	PM10	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	PM10	4/7/01	
China Lake-Powerline Road	1500211	PM10	4/13/01	
China Lake-Powerline Road	1500211	PM ₁₀	4/19/01	
China Lake-Powerline Road	1500211	PM10	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	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	PM10	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	PM10	7/12/01	
China Lake-Powerline Road	1500211	PM10	7/18/01	
China Lake-Powerline Road	1500211	PM10	7/24/01	
China Lake-Powerline Road	1500211	PM ₁₀	7/30/01	
China Lake-Powerline Road	1500211	PM10	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	and the second second second second
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	PM10	<u>9/10/01</u>	
China Lake-Powerline Road	1500211	PM ₁₀	9/16/01	
China Lake-Powerline Road	1500211	PM10	9/22/01	
China Lake-Powerline Road	1500211	PM ₁₀	9/28/01	
China Lake-Powerline Road	1500211	PM10	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	fine a filter week to restate the relation of the relation of

STATION NAME	ARB SITE	Abbrev	Date	Conc
China Lake-Powerline Road	1500211	PM	11/4/01	
China Lake-Powerline Road	1500211	PM10	11/10/01	
China Lake-Powerline Road	1500211	PM10	11/16/01	
China Lake-Powerline Road	1500211	PM_{10}	11/22/01	
China Lake-Powerline Road	1500211	PM10	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	PM10	12/22/01	
China Lake-Powerline Road	1500211	PM ₁₀	12/28/01	alifa arfenerifin erististeter for steater for

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	PM10	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	PM10	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	PM10	4/30/0	20.0
Ridgecrest - 100 West California Avenue	1500253	PM10	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	PM10	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	PM10.	7/17/0	13.0
Ridgecrest - 100 West California Avenue	1500253	PM10	7/23/0	22.0
Ridgecrest - 100 West California Avenue	1500253	PM ₁₀	7/29/0	35.0
Ridgecrest - 100 West California Avenue	1500253	PM10	8/4/0	27.0
Ridgecrest - 100 West California Avenue	1500253	PM10	8/10/0	17.0
Ridgecrest - 100 West California Avenue	1500253	PM ₁₀	8/16/0	23.0
Ridgecrest - 100 West California Avenue	1500253	PM10	8/22/0	25.0
Ridgecrest - 100 West California Avenue	1500253	PM10	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 ₁₉	9/9/0	23.0

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	PM10	9/15/0	0.0
Ridgecrest - 100 West California Avenue	1500253	PM _{in}	9/21/0	37.0
Ridgecrest - 100 West California Avenue	1500253	PM10	9/27/0	28.0
Ridgecrest - 100 West California Avenue	1500253	PM10	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	PM10	11/20/0	48.0
Ridgecrest - 100 West California Avenue	1500253	PM	11/26/0	34.0
Ridgecrest - 100 West California Avenue	1500253	PM10	11/28/0	33.0
Ridgecrest - 100 West California Avenue	1500253	PM10	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	PM10	1/1/1	38.0
Ridgecrest - 100 West California Avenue	1500253	PM10	1/7/1	41.0
Ridgecrest - 100 West California Avenue	1500253	PM10	1/13/1	13.0
Ridgecrest - 100 West California Avenue	1500253	PM10	1/19/1	23.0
Ridgecrest - 100 West California Avenue	1500253	PM ₁₀	1/25/1	3.0
Ridgecrest - 100 West California Avenue	1500253	PM10	1/31/1	11.0
Ridgecrest - 100 West California Avenue	1500253	PM10	2/6/1	14.0
Ridgecrest - 100 West California Avenue	1500253	PM 10	2/12/1	1.0
Ridgecrest - 100 West California Avenue	1500253	PM10	2/18/1	9.0
Ridgecrest - 100 West California Avenue	1500253	PM ₁₀	2/24/1	3.0
Ridgecrest - 100 West California Avenue	1500253	PM10	3/2/1	6.0
Ridgecrest - 100 West California Avenue	1500253	PM ₁₀	3/8/1	0.0
Ridgecrest - 100 West California Avenue	1500253	PM10	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	PM10	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	PM10	5/19/1	17.0
Ridgecrest - 100 West California Avenue	1500253	PM ₁₀	5/25/1	32.0
Ridgecrest - 100 West California Avenue	1500253	PM10	5/31/1	22.0
Ridgecrest - 100 West California Avenue	1500253	PM ₁₀	6/6/1	30.0

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	PM10	9/16/1	24.0
Ridgecrest - 100 West California Avenue	1500253	PM10	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	PM10	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 _{In}	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

APPENDIX C

EMISSION INVENTORIES

	KCAPCD	KCAPCD CE	FS INVENTORY	ANNUAL GROWTH RATES	INDIAN WELLS VALLEY P		EY 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 & 201	3 (annual averag	ge) except for On Ro	ad and Off Road Mobile	e			
2) KCAPCD assumptions for apportionment of the India	n Wells Va	lley were used b	y CARB except in t	wo cases:				
a) Windblown Dust assumption by KCAPCD was too of	oscure, CAF	RB uses an area r	atio (area of IWV/a	rea of KCAPCD)				
b) Off Road Mobile assumption by KCAPCD used VM	Г, CARB us	es an area ratio (area of IWV/area of	f KCAPCD)				
C) Paved Road Dust used an old VMT fraction of 11.3%	, CARB us	es a revised frac	tion of 20.5% for 20	01 and 18.1% for 2013				
d) On Road Mobile used an old emissions fraction of 11) 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 categ	ories, ARB	growth is used in	nstead					

MD KER 15 / 122-045-0110-0000 [FUEL_COMBUSTION COGENERATION ILC_TURBINE ENGINES NATURAL_GAS 0.0264404 0.21805373 NOGROUP MD KER 15 / 020-045-0110-0000 [FUEL_COMBUSTION MANUFACTURING AND INDUSTRIAL BOILERS NATURAL_GAS 0.0244404 0.21805373 NOGROUP MD KER 15 / 050-050-110-0000 [FUEL_COMBUSTION MANUFACTURING AND INDUSTRIAL I.C. REOPROCATING ENGINES DESEL-DISTILLATE OL (UNSPECIFIED) 0.0447984 0.055675452 MNO-NMT MD KER 15 / 050-070-1010-0000 [FUEL_COMBUSTION MANUFACTURING AND INDUSTRIAL IN-PROCESS PUEL NATURAL_GAS 0.105 0.1125.3 MKG-NMT MD KER 15 / 050-050-110-0000 [FUEL_COMBUSTION MANUFACTURING AND INDUSTRIAL IN-PROCESS PUEL NATURAL_GAS 0.105 0.1125.3 MKG-NT MD KER 15 / 050-030-110-0000 [FUEL_COMBUSTION MANUFACTURING AND INDUSTRIAL OTHER DISTILLATE OL (UNSPECIFIED) 0.20196 0.0219912 MKG-NT MD KER 15 / 050-030-122-0000 [FUEL_COMBUSTION SERVICE AND COMMERCIAL BOILERS NATURAL GAS 0.0	TL SiC 14-03 9% TL SiC 14-out 24% TL SiC 14-03 9% TL SiC 20-3933 46% MP SiC 91-97C5 -4%
MD KER 15 (050-070-0110-0000) FUEL COMBUSTION MANUFACTURING AND INDUSTRIAL IN-PROCESS FUEL NATURAL GAS 0.105 0.113253 MANOFACTURING AND INDUSTRIAL MD KER 15 (050-070-0110-0000) FUEL COMBUSTION MANUFACTURING AND INDUSTRIAL OTHER DistriLate OL (UNSPECIFIED) 0.022196 0.032109912 MFG-TOT MD KER 15 (050-055-112-0000) FUEL COMBUSTION SERVICE AND COMMERCIAL BOILERS NATURAL GAS 0.0021 0.00208568 GOV EX MD KER 15 (060-005-112-000) FUEL COMBUSTION SERVICE AND COMMERCIAL BOILERS NATURAL GAS 0.0001 0.00009738 GOV EX MD KER 15 (060-005-1122-0000) FUEL COMBUSTION SERVICE AND COMMERCIAL BOILERS PROPANE 0.00010 0.00009738 GOV EX MD KER 15 (060-005-1122-0000) FUEL COMBUSTION SERVICE AND COMMERCIAL BOILERS DISTILLATE OL (UNSPECIFIED) 0.0001952 C.000131187 GOV EX MD KER 15 (060-004-0110-000) <td>TL SiC 14-135 9% TL SiC 20-39131 46% MP SiC 91-97C5 -4%</td>	TL SiC 14-135 9% TL SiC 20-39131 46% MP SiC 91-97C5 -4%
MD KER 15 [06:005-0124-0000] FUEL COMBUSTION SERVICE AND COMMERCIAL BOILERS PROPANE 0.0001 0.00009738 GOV EA MD KER 15 [06:005-0124-0000] FUEL COMBUSTION SERVICE AND COMMERCIAL BOILERS DISTILLATE OIL (UNSPECIFIED) 0.0001952 0.000137187 GOV EA MD KER 15 [06:0-040-011-0000] FUEL COMBUSTION SERVICE AND COMMERCIAL BOILERS DISTILLATE OIL (UNSPECIFIED) 0.0001952 0.000137187 GOV EA MD KER 15 [06:0-040-011-0000] FUEL COMBUSTION SERVICE AND COMMERCIAL I.C. RECIPROCATING ENGINES INTURAL GAS 0.002137187 GOV EA	TL SIC 20-39131 46% MP SIC 91-97C5 -4% MP 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 -EN	VP FED MIL-C3 -13%
MO KER 15/060-04-0110-0000 FUEL COMPUSTION SERVICE AND COMMERCIAL C. RECIPROCATING ENGINES INATURAL GAS 0.002485 0.003147501 TOTAL-CO-	MP FED MIL-C2 -30%
MD KER 15 060-040-1200-0000 FUEL COMBUSTION SERVICE AND COMMERCIAL I.C. RECIPROCATING ENGINES DESEL/DISTILLATE OIL (UNSPECIFIED) 0.00356651 GOV -EA	
MD KER 15 [060-045-1400-0000] FUEL COMBUSTION SERVICE AND COMMERCIAL 1.C. TURBINE ENGINES JET FUEL (UNSPECIFIED) 0.0038054 0.0033939004 GOV -EM MD KER 15 [060-045-1412-0000] FUEL COMBUSTION SERVICE AND COMMERCIAL 1.C. TURBINE ENGINES JET FUEL (UNSPECIFIED) 0.003208 0.003383772 GOV -EM	MP FED MiL-out 5%
MD KER 15 (66-935-0110-0000 FUEL COMBUSTION SERVICE AND COMMERCIAL OTHER NATURAL GAS 0.0205 0.0226538 SERVICES-E MD KER 15 (66-935-1500-0000 FUEL COMBUSTION SERVICE AND COMMERCIAL OTHER RESIDUAL OL (LINSPECIFIED) 0.000435 0.000451 145 SERVICES-E	EMP CATEGORY33 12%
MD KER 15/09/395-000-0000 FUEL COMBUSTION OTHER MATERAL NOT SPECIFIED 0.005293016 GOV EI MD KER 15/09/395-000-0000 FUEL COMBUSTION OTHER MATERAL NOT SPECIFIED 0.005293016 GOV EI MD KER 15/09/395-00000 FUEL COMBUSTION OTHER MATERAL NOT SPECIFIED 0.005293016 GOV EI	MP FED Mill-out 5%
MD KER 15/130-130-0240-0000 WASTE DISPOSAL INCINERATORS INCINERATION SOLD WASTE (UNSPECIFIED) 0.000034554 GOV -EM	
MD KER 15/430-422-7078-0000 INDUSTRIAL PROCESSES IMNERAL PROCESSES SAND AND GRAVEL EXCAVATION AND PROCESSING SAND/AGGREGATE 0.0241 0.02995148 MFG-MNR	RL SIC 14-out 24%
MD KER 15 430-424-7006-0000 INDUSTRIAL PROCESSES MINERAL PROCESSES ASPHALTIC CONCRETE PRODUCTION ASPHALTIC CONCRETE 0.01164 0.0152494 MFG-PET	RL SIC 14-out 24%
MD KER 15 430-429-7016-0000 INDUSTRIAL PROCESSES IMMERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT 0.677694 0.843593491 MFG-MNR MD KER 15 430-429-7023-0000 INDUSTRIAL PROCESSES IMMERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURING CLINKER 0.22126 0.2275070432 MFG-MNR	RL SIC 324-oul 24%
MD KER 15 430-430-7018-0000 INDUSTRIAL PROCESSES MINERAL PROCESSES CEMENT CONCRETE 0.00312 0.004152596 MFG-MNR MD KER 15 430-436-7016-0000 INDUSTRIAL PROCESSES MINERAL PROCESSES STORAGE PILES CEMENT 0.13255933 MFG-MNR	RL SIC 324-out 24%
MD KER 15 430-436-7023-0000 INDUSTRIAL PROCESSES MINERAL PROCESSES STORAGE PILES CLINKER 0.168912 0.209991398 MFG-MAR MD KER 15 430-436-7072-0000 INDUSTRIAL PROCESSES MINERAL PROCESSES STORAGE PILES POTASH 0.01505 0.01970414 Ming-Nati	TL SIC 14-out 24%
MD KER 16 (A30-935-772-064-0000) INDUSTRAL PROCESSES IMMERAL PROCESSES OTHER NOH-METALLS (UNSPECIFIED) 1.1365 1.41282862 MNG-NUT MD KER 15 (A30-935-772-0064-0000) INDUSTRAL PROCESSES OTHER POTASH 0.37765 0.459354/32 MNG-NUT	
MD KER 15 430-995-7078-0000 INDUSTRIAL PROCESSES IMMERAL PROCESSES OTHER ISAND/AGGREGATE 0.00125 0.00120325 WHOLESAL- MD IKER 15 440-449-7000-0000 INDUSTRIAL PROCESSES IMETAL PROCESSES SECONDARY METAL PRODUCTION IMMERAL AND METAL PRODUCTS (UNSPECIFIED) 0.00616 0.00616 MFG-MET	
Total Mineral Sources (KCAPCD) 2.752755 3.422252007 MD KER 15 (610-600-0230-0000) MISCELLANEOUS PROCESSES (RESIDENTIAL FUEL COMBUSTION WOOD COMBUSTION - WOOD STOVES WOOD 0.134776211 DWELLUN	24%
MD KER 15/610-602-0230-0000/IMISCELLANEOUS PROCESSES RESIDENTIAL FUEL COMBUSTION WOOD COMBUSTION - FREPLACES WOOD 0 209066 0 229178149 DWELLIN MD KER 15/610-606-0110-0000/IMISCELLANEOUS PROCESSES RESIDENTIAL FUEL COMBUSTION FUEL COMBUSTION - SPACE HEATING NATURAL GAS 0.0099 0.0091476 DWELLIN	NT CATEGORY09 10%
MD KER 15 610-608-0110-0000 MISCELLANEOUS PROCESSES RESIDENTIAL FUEL COMBUSTION FUEL COMBUSTION WATER HEATING NATURAL GAS 0.0071 0.00778444 DWELLIN MD KER 15 810-610-0110-0000 MISCELLANEOUS PROCESSES RESIDENTIAL FUEL COMBUSTION FUEL COMBUSTION COOKING NATURAL GAS 0.0005 0.0005213 DWELLIN	NT CATEGORY11 10%
MD KER 15/5/09-04100000 MISCELLANEOUS PROCESSES RESIDENTIAL FUEL COMBUSTION OTHER LIQUIFIED PETROLEUM GAS (LPG) 0.0005 0.000458 DWELLUN MO KER 15/6/10-95-0120-0000 MISCELLANEOUS PROCESSES RESIDENTIAL FUEL COMBUSTION OTHER LIQUIFIED PETROLEUM GAS (LPG) 0.0005 0.000458 DWELLUN	IT HOUS AEO R3 4%
MD KER 15 is 10+935-1120-0000 IMISCELLANEOUS PROCESSES FARMING OPERATIONS D INTEL Clocking 0.0005 0.000436 D WELLON MD KER 15 is 20-614-5400-0000 IMISCELLANEOUS PROCESSES FARMING OPERATIONS TILING DUST D UST 5.47649564 3.952934533 AG-PROD-E MD KER 15 is 20-615-5400-0000 IMISCELLANEOUS PROCESSES FARMING OPERATIONS TILING DUST D UST 1.34250133 1.24600796 AG-PROD-E	EMP CATEGORY12 -28%
MD KER 15/560-556/0200-0000 [MISCELLANEOUS PROCESSES] FRES District of provide the second of	T HOUSINGUNITS 10%
MD KER 15 670-662-0262-0000 MISCELLANEOUS PROCESSES WASTE BURINING AND DISPOSAL AGRICULTURAL BURINING - FIELD CROPS AGRICULTURAL WASTE 0.00049175 0.00049175 AG-PROD -E	EMP CATEGORY44 0%
MD KER 15 590-6606-0000 MISCELLANEOUS PROCESSES COOKING COMMERCIAL CHARBROILING FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED) 0.04235 0.05125197 MFG-FOO	CATEGORY49 21%
Total Area Sources (KCAPCD) 7.22830882 5.641655585 MD KER 15 630-622-5400-0000 MISCELLANEOUS PROCESSES CONSTRUCTION AND DEMOLITION BUILDING CONSTRUCTION DUST - RESIDENTIAL DUST 0.39574584 0.454395573 CONSTRUC-	
MD KER 15 630-624-5400-0000 MISCELLANEOUS PROCESSES CONSTRUCTION AND DEMOLITION BUILDING CONSTRUCTION DUST DUST DUST DISCELLANEOUS PROCESSES CONSTRUCTION AND DEMOLITION BUILDING CONSTRUCTION DUST. INDUSTRIAL DUST 0.03752931 0.039901152 CONSTRUCT	EMP SIC 15-17emp 6%
MD KER 15 630-628-5400-0000 MISCELLANEOUS PROCESSES CONSTRUCTION AND DEMOLITION BUILDING CONSTRUCTION DUST DUST 0.17737125 0.188581113 CONSTRUCT MD KER 15 630-634-5400-0000 MISCELLANEOUS PROCESSES CONSTRUCTION AND DEMOLITION ROAD CONSTRUCTION DUST DUST 1.00556043 1.069111849 CONSTRUCT	EMP SIC 15-17emp 6%
Total Construction Emissions (KCAP CD) 1/26823234 1/22633404 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-TOTI	1 CATEGORY17 0%
MD KER 15 545-540-5400-0000 MSCELLANEOUS PROCESSES UNPAVED ROAD UST UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PAR DUST 2.55654398 2.823198376 VMT-TOTI MD KER 15 545-544-5400-0000 MSCELLANEOUS PROCESSES UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PAR DUST 2.55654398 2.823198376 VMT-TOTI MD KER 15 545-544-5400-0000 MSCELLANEOUS PROCESSES UNPAVED ROAD TRAVEL DUST- 91.M. ROADS DUST 0.32793474 0.380728214 VMT-TOTI	L CATEGORY18 10%
MD KER 15 645-540-0000 MISCELLANEOUS PROCESSES UNPAVED ROAD DUST UNPAVED ROAD TRAVEL DUST- FARM ROADS (DUST 3,74504098 3,485964051 AG-FARM -E	0%
MD KER 15 (550-550-5400-0000) MISCELLANEOUS PROCESSES (FUGITIVE WINDBLOWN DUST DUST FROM AGRICUL TURAL LANDS (NON-PASTURE) DUST 5.48235611 4.811315722 AG-PROD -E MD KER 15 (550-552-5400-0000) MISCELLANEOUS PROCESSES (FUGITIVE WINDBLOWN DUST DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS DUST 0.309036 0.309036 0.309036 NOGROWT	TH CATEGORY21 0%
Total Windblown Dust (KCAPCD) 5.79139211 5.128351722 MD KER 15/710-701-1100-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (LDA) NON-CATALYST STARTS GASOLINE (UNSPECIFIED) 0 0 0 #WA	-12% #WA 0%
MD KER 15/710-705-1100-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (LDA) NON-CATALYST HOT STABLIZED EXHAUST GASOLINE (UNSPECIFIED) 0.0009 0 #VA MD KER 15/710-718-0248-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (LDA) NON-CATALYST TIRE WEAR RUBBER TIRES 0 0 0 #VA	INVA 0% INVA 0%
MD KER 15/710-720-5410-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (LDA) NON-CATALYST BRAKE WEAR BRAKE DUST 0 0 0 #V/A MD KER 15/710-731-1100-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (LDA) CATALYST STARTS GASOLINE (JNSPECIFIED) 0.00097 0.00194 #V/A	#N/A 0% #N/A 100%
MD KER 15/710-734-1100-0000 (OH-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (LOA) (CATALYST HOT STABL/2ED EVAUST (CASOLINE (UNSPECFIED) 001164 0.01649 NA/ MD KER 15/710-744-0248-0000 (OH-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (LOA) (CATALYST THE WEAR (AUBERT FRES 0.009 0.012 NA/A	#NA 42% #NA 33%
MD KER 15/710-746-5410-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (DA) CATALYST BRAKE WEAR BRAKE DUST 0.01372 0.0196 WAA	#N/A 43% #N/A 0%
MD KER 15/1/0-764-1210-0000 (ON-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (DA) DIESEL HOT STABLIZED EXHAUST DIESEL (UNSPECFIED) 0.01 0 NVA	#\UA 0% #\UA 0%
MD KER 15/710-786-5410-0000 (ON-ROAD MOTOR VEHICLES LIGHT DUTY PASSENGER (LDA) (DIESEL BRAKE WEAR BRACE DUST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#NVA 0% #NVA 0%
MO KER 15/722-706-1100-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 1 (LDT1) NON-CATALYST HOT STABLIZED EXHAUST GASOLINE (UNSPECIFIED) 0.0009 0 #VA	#N/A 0% #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 #V/A MD KER 15/722-731-1100-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 1 (LDT1) CATALYST STARTS GASOLINE (UNSPECIFIED) 0 0 #V/A	#VA 0% #V/A 0%
MD KER 15/72-734-1100-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 1 (LDT1) CATALYST HOT STABILIZED EXHAUST GASOLINE (UNSPECIFIED) 0.00338 0.00485 #UA MO KER 15/722-734-100-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 1 (LDT1) CATALYST HOT STABILIZED EXHAUST GASOLINE (UNSPECIFIED) 0.00338 0.00485 #UA MO KER 15/722-744-0248-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 1 (LDT1) CATALYST TIRE WEAR RUBBER TRES 0.002 0.003 #VA	#NA 25% #NVA 50%
MD KER 15/72-745-5410-0000 [ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 1 (LDT1) CATALYST BRAKE WEAR BRAKE DUST 0.00234 0.0049 MO KER 15/72-761-1210-0000 [ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 1 (LDT1) CATALYST BRAKE WEAR BRAKE DUST 0.00234 0.0049 MO KER 15/72-761-1210-0000 [ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 1 (LDT1) DIESEL STARTS DIESEL (UNSPECIFIED) 0 0 #VA	107% 10% 10%
MD KER 15/722-76-1210-0000 [ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS -1 (LDT) DIESEL HOT STABILZED EXHAUST DIESEL (LASPECIFIED) 0 0 の メルム	111VA 0%
MD KER 15/722-769-5410-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 1 (LDT1) DESEL BRAKE WEAR BRAKE DUST 0 0 0	1000 0% 1000 0%
MO KER 15/723-7051-100-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 2 (LOT2) NON-CATALYST STARTS GASOLINE (LNSPECIFIED) 0 0 #V/A MD KER 15/723-705-1100-0000 (ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 2 (LOT2) NON-CATALYST STARTS GASOLINE (LNSPECIFIED) 0 0 #V/A MD KER 15/723-718-024-00001 (ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 2 (LOT2) NON-CATALYST TRE WAR RUBBERT IRES 0 0 #V/A	#VA 0%
MD KER 15/723-731-100-0000 (ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 2 (DT2) INON-CATALYST BRAKE WEAR BRAKE DUST 0 0 0 WAVA MD KER 15/723-731-100-0000 (ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 2 (DT2) INON-CATALYST BRAKE WEAR BRAKE DUST 0 0 0 ØWA MD KER 15/723-731-1100-0000 (ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 2 (DT2) ICATALYST STARTS GASON	#N/A 0%
MO 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 RVA	#N/A 67%
MD KER 15/723-745-5410-0000 ON-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 2 (LDT2) CATALYST BRAKE WEAR BRAKE DUST 0.01176 0.01568 AVA	#N/A 25% #N/A 33%
MD KER 15 723-764 1210-0000 OV-ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 2 (LDT2) (DIESEL HOT STABILIZED EXHAUST DIESEL (UNSPECIFIED) 0 0 0 0	19% 0% 0% 0%
MD KER 15/723-758-5410-0000 OV+ROAD MOTOR VEHICLES LIGHT DUTY TRUCKS - 2 (LDT2) DESEL BRAKE WEAR BRAKE DUST 0 0 0 #VA	11 A 0% 11 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 #VA	#N/A 0% #N/A 0%
	₩0A 0% 0 %0 %
	#V/A #DIV/0
MD KER 15 724-731-1100-0000 ON-ROAD MOTOR VEHICLES IMEDIUM DUTY TRUCKS (MDV) CATALYST STARTS GASOLINE (UNSPECIFIED) 0 0.00097 #VA MD KER 15 724-734-1100-0000 ON-ROAD MOTOR VEHICLES IMEDIUM DUTY TRUCKS (MDV) CATALYST HOT STABIL/ZED EXHAUST GASOLINE (UNSPECIFIED) 0.00388 0.00579 #VA	#VA 75%
MD KER 15 724-731-1100-0000 ON-ROAD MOTOR VEHICLES MEDIUM DUTY TRUCKS (MDV) CATALYST STARTS GASOLINE (UNSPECIFIED) 0 0.00037 #VA MD KER 15 724-731-1100-0000 ON-ROAD MOTOR VEHICLES MEDIUM DUTY TRUCKS (MDV) CATALYST STARTS GASOLINE (UNSPECIFIED) 0.00338 0.0037 #VA MD KER 15 724-734-10000 ON-ROAD MOTOR VEHICLES MEDIUM DUTY TRUCKS (MDV) CATALYST TRE WEAR RUBBER TIRES 0.003 0.005 #VA MD KER 15 724-745-610.0000 ON-ROAD MOTOR VEHICLES MEDIUM DUTY TRUCKS (MDV) CATALYST TIRE WEAR RUBBER TIRES 0.003 0.005 #VA MD KER 15 724-745-610.0000 ON-ROAD MOTOR VEHICLES MEDIUM DUTY TRUCKS (MDV) CATALYST REAL WEAR RUBBER TIRES 0.003 0.005 #VA	₩V/A 75% #V/A 67% #V/A 50%
MD KER 15/724-731-1100-0000 ON-ROAD MOTOR VEHICLES MEDUM DUTY TRUCKS (MDV) CATALYST STABL/ZED EXHAUST GASOLINE (UNSPECIFIED) 0 0.00037 #VA MD KER 15/724-734-1100-0000 ON-ROAD MOTOR VEHICLES MEDUM DUTY TRUCKS (MDV) CATALYST HOT STABL/ZED EXHAUST GASOLINE (UNSPECIFIED) 0 0.00037 #VA MD KER 15/724-734-0100-0000 ON-ROAD MOTOR VEHICLES MEDUM DUTY TRUCKS (MDV) CATALYST THE WEAR RUBBER THES 0.003 0.005 #VA	#tVA 75%6 #tVA 67%6

	EICSUMN	EICSOUN	EICMATN	PM10 2001 PM10 2013	Growth Parameter (Old)	Growth Parameter (New) % Gro
AB DIS CO EIC EIC1N 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	MUA MVA	#PU/A 0% #PU/A 0%
MD KER 15/732-706-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15/732-707-1100-0000 ON-ROAD MOTOR VEHICLES	LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	NON-CATALYST IDLE EXHAUST	GASOLINE (UNSPECIFIED) GASOLINE (UNSPECIFIED)	0 0	M N/A	#N/A 0%
MD KER 15 732-718-0248-0000 ON-ROAD MOTOR VEHICLES MD KER 15 732-720-5410-0000 ON-ROAD MOTOR VEHICLES		NON-CATALYST TIRE WEAR	BRAKE DUST	0 0 0 0	#194 #194	174/A 07 174/A 07
MD KER 15 732-731-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 732-734-1100-0000 ON-ROAD MOTOR VEHICLES	LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	CATALYST STARTS CATALYST HOT STABILIZED EXHAUST	GASOLINE (UNSPECIFIED)	0 00097 0.00097	#\$VA	#N/A 0% #N/A 0%
MD KER 15 732-735-1100-0000 ON-ROAD MOTOR VEHICLES	LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	CATALYST IDLE EXHAUST CATALYST TIRE WEAR	GASOLINE (UNSPECIFIED) RUDDER TIRES	0 0	#NVA	199 199 199
MD KER 15 [732-744-0248-0000] ON-ROAD MOTOR VEHICLES 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	#N/A #DIV #N/A 09
MD KER 15 733-701-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 733-706-1100-0000 ON-ROAD MOTOR VEHICLES	LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	NON-CATALYST STARTS NON-CATALYST HOT STABILIZED EXHAUST	GASOLINE (UNSPECIFIED) GASOLINE (UNSPECIFIED)	0 0	#N/A	#N/A 09
MD KER 15 733-707-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 733-718-0248-0000 ON-ROAD MOTOR VEHICLES		NON-CATALYST IDLE EXHAUST	GASOLINE (UNSPECIFIED) RUBBER TIRES	0 0	#N/A #N/A	#N/A 0% #N/A 0%
MD KER 1 15 733-720-5410-0000 ON-ROAD MOTOR VEHICLES	LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	NON-CATALYST BRAKE WEAR CATALYST STARTS	BRAKE DUST GASOLINE (UNSPECIFIED)	0 0	#N/A #N/A	#R\/A 09 #R\/A 09
MD KER 15 733-734-1106-0000 ON-ROAD MOTOR VEHICLES	LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	CATALYST HOT STABILIZED EXHAUST	(GASOLINE (UNSPECIFIED)	0 0	#NVA #NVA	#TV/A 01%
MD KER 15;733-735-1109-0000 ON-ROAD MOTOR VEHICLES MD KER 15;733-744-0248-0000 ON-ROAD MOTOR VEHICLES		CATALYSTIDLE EXHAUST CATALYST TIRE WEAR	GASOLINE (UNSPECIFIED) RUBBER TIRES	0 0	#N/A	MN/A 0%
MD KER 15 733-745-5410-0000 ON-ROAD MOTOR VEHICLES MD KER 15 734-701-1100-0000 ON-ROAD MOTOR VEHICLES	LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	CATALYST BRAKE WEAR NON-CATALYST STARTS	BRAKE DUST GASOLINE (UNSPECIFIED)	0 0	#N/A #N/A	#N/A 0% #N/A 0%
MD KER 15 734-706-1100-0000 ON-ROAD MOTOR VEHICLES	MEDIUM HEAVY DUTY GAS TRUCKS (MHOV)	NON-CATALYST HOT STABILIZED EXHAUST	GASOLINE (UNSPECIFIED) GASOLINE (UNSPECIFIED)	0 0	STVA STVA	#NVA 0% #NVA 0%
MD KER 15/734-707-1100-0000 ON-ROAD MOTOR VEHICLES 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	#NVA	#N/A 09
MD KER 15 734-720-5410-0000 ON-ROAD MOTOR VEHICLES MD KER 15 734-731-1100-0000 ON-ROAD MOTOR VEHICLES		NON-CATALYST BRAKE WEAR CATALYST STARTS	GASOLINE (UNSPECIFIED)	0 0	#NVA #NVA	#N/A 0%
MD KER 15 734-734-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 734-735-1100-0000 ON-ROAD MOTOR VEHICLES	MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	CATALYST HOT STABILIZED EXHAUST	GASOLINE (UNSPECIFIED) GASOLINE (UNSPECIFIED)	0 0 8 0	#N/A #N/A	#N/A 09 #N/A 09
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% #N/A 0%
MD KER 15/734-746-5410-0000 ON-ROAD MOTOR VEHICLES MD KER 15/736-701-1100-0000 ON-ROAD MOTOR VEHICLES	HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	CATALYST BRAKE WEAR NON-CATALYST STARTS	BRAKE DUST GASOLINE (UNSPECIFIED)	0 0	#N/A	#N/A 0%
MD KER 15 736-706-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 736-707-1100-0000 ON-ROAD MOTOR VEHICLES	HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	NON-CATALYST HOT STABILIZED EXHAUST	GASOLINE (UNSPECIFIED) GASOLINE (UNSPECIFIED)	0 0	#VA #VA	#N/A 0% #N/A 0%
MD KER 15 736-719-0248-0000 ON-ROAD MOTOR VEHICLES MD KER 15 736-720-5410-0000 ON-ROAD MOTOR VEHICLES	HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	NON-CATALYST TIRE WEAR NON-CATALYST BRAKE WEAR	RUBBER TIRES BRAKE DUST	0 0	#N/A #N/A	#N/A 0% #N/A 0%
MD KER 15 736-731-1100-0000 ON-ROAD MOTOR VEHICLES	HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	CATALYST STARTS	GASOLINE (UNSPECIFIED)	6 C	#N/A	#N/A 0%
MD KER 15 736-734-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 736-735-1100-0000 ON-ROAD MOTOR VEHICLES	HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	CATALYST HOT STABILIZED EXHAUST	GASOLINE (UNSPECIFIED) GASOLINE (UNSPECIFIED)	0 0	#N/A	#N/A 0%
MD KER 15 736-744-0248-0000 ON-ROAD MOTOR VEHICLES MD KER 15 736-746-54 10-0000 ON-ROAD MOTOR VEHICLES		CATALYST TIRE WEAR	RUBBER TIRES BRAKE DUST	0 0	#NVA #NVA	#N/A 0% #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	#NUA	#NVA 0% #NVA #DfV
MD KER 15 742-764-1210-0000 ON-ROAD MOTOR VEHICLES MD KER 15 742-765-1210-0000 ON-ROAD MOTOR VEHICLES	LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	DIESEL IDLE EXHAUST	DIESEL (UNSPECIFIED) DIESEL (UNSPECIFIED)	0 0007	#N/A	#N/A 0%
MD KER : 15 742-766-0248-0000 ON-ROAD MOTOR VEHICLES MD KER : 15 742-768-54 10-0000 ON-ROAD MOTOR VEHICLES			RUBBER TIRES	0 0	#1/A #1/A	#N/A 0% #N/A 0%
MD KER 15 743-761-1210-0000 ON-ROAD MOTOR VEHICLES MD KER 15 743-764-1210-0000 ON-ROAD MOTOR VEHICLES	LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	DIESEL STARTS	DIESEL (UNSPECIFIED) DIESEL (UNSPECIFIED)	0 0 0	#N/A #N/A	#1/A 0% #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) RUBBER TIRES	<u> </u>	MN/A	#N/A 0% #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 MD KER 15 744-764-1210-0000 ON-ROAD MOTOR VEHICLES		DIESEL STARTS DIESEL HOT STABILIZED EXHAUST	DIESEL (UNSPECIFIED) DIESEL (UNSPECIFIED)	0.004 0.005	#NVA #NVA	#N/A 0% #N/A 259
MO KER 15 744-765-1210-0000 ON-ROAD MOTOR VEHICLES MD KER 15 744-766-0248-0000 ON-ROAD MOTOR VEHICLES	MEDILM HEAVY DUTY DIESEL TRUCKS (MHDV)	DIESEL IDLE EXHAUST	DIESEL (UNSPECIFIED) RUBBER TIRES	0 0	#N/A #N/A	#N/A 0% #N/A 0%
MD KER 15 744-768-5410-0000, ON-ROAD MOTOR VEHICLES	MEDIUM HEAVY DUTY DIESEL TRUCKS (MHOV)	DIESEL BRAKE WEAR	BRAKE DUST	0 0	#N/ A	#N/A 0%
MD KER 15 746-761-1210-0000 ON-ROAD MOTOR VEHICLES MD KER 15 746-764-1210-0000 ON-ROAD MOTOR VEHICLES	HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	DIESEL STARTS DIESEL HOT STABILIZED EXHAUST	DIESEL (UNSPECIFIED) DIESEL (UNSPECIFIED)	0.016 0.011	#N/A #N/A	#N/A 0% #N/A -315
MD KER 15 746-765-1210-0000 ON-ROAD MOTOR VEHICLES MD KER 15 746-766-0248-0000 ON-ROAD MOTOR VEHICLES	HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV) HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	DIESEL IDLE EXHAUST	DIESEL (UNSPECIFIED) RUBBER TIRES	0 0	#N/A #N/A	新ジA 0% 新ジA 0%
MD KER 15 745-768-5410-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-701-1100-0000 ON-ROAD MOTOR VEHICLES	HEAVY HEAVY DUTY DIESEL TRUCKS (HHOV)	DESEL BRAKE WEAR NON-CATALYST STARTS	BRAKE DUST GASOLINE (UNSPECIFIED)	0 0	ARV/A ARV/A	#N/A 0% #N/A 0%
MD KER 15 750-706-1100-0000 ON-ROAD MOTOR VEHICLES		NON-CATALYST HOT STABILIZED EXHAUST		The second se		
		NON CATH VET THE WEAD	GASOLINE (UNSPECIFIED)	0.0009 0.0009	#NVA	#N/A 0%
MD KER 15/750-718-0248-0000 ON-ROAD MOTOR VEHICLES MD KER 15/750-720-5410-0000 ON-ROAD MOTOR VEHICLES	MOTORCYCLES (MCY) MOTORCYCLES (MCY)	NON-CATALYST TIRE WEAR NON-CATALYST BRAKE WEAR	RUBBER TIRES BRAKE DUST	0 0 0 0	ANVA ANVA	111-VA 0% 111-VA 0% 111-VA 0%
	MOTORCYCLES (MCY) MOTORCYCLES (MCY) MOTORCYCLES (MCY)	NON-CATALYST TIRE WEAR NON-CATALYST BRAKE WEAR CATALYST STARTS CATALYST HOT STABULZED EXHAUST	RUBBER TIRES		#N/A	#NUA 0% #NUA 0% #NUA 0% #NUA 0% #NUA 0%
MD KER 15 750-720-5410-0000 ON-ROAD MOTOR VEHICLES MD KER 15 150-731-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-734-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-734-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-734-0248-0000 ON-ROAD MOTOR VEHICLES	MOTORCYCLES (MCY) MOTORCYCLES (MCY) MOTORCYCLES (MCY) MOTORCYCLES (MCY) MOTORCYCLES (MCY)	NON-CATALYST TIRE WEAR NON-CATALYST BRAKE WEAR CATALYST STARTS CATALYST HOT STABILIZED EXMAUST CATALYST THE WEAR	RUBBER TRES BRACE DUST GASOLINE (UNSPECIFIED) GASOLINE (UNSPECIFIED) RUBBER TRES	0 0 0 0	オレス オーレス オーレス オーレス オーレス オーレス	11/2A 0% 11/2A 0% 11/2A 0% 11/2A 0% 11/2A 0% 11/2A 0% 11/2A 0%
MD KER 15 T55-720-54 10-0000 ON-ROAD MOTOR VEHICLES MD KER 15 T56-731-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 T56-734-100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 T56-734-100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 T56-734-034-0000 ON-ROAD MOTOR VEHICLES MD KER 15 T56-751-1210-0000 ON-ROAD MOTOR VEHICLES MD KER 15 T56-751-1210-0000 ON-ROAD MOTOR VEHICLES	MOTOREVICLES (MCY) MOTOREVICLES (MCY) MOTOREVICLES (MCY) MOTOREVICLES (MCY) MOTOREVICLES (MCY) MOTOREVICLES (MCY) MOTOREVICLES (MCY)	NON-CATALYST TIRE WEAR NON-CATALYST BRAKE WEAR CATALYST STARTS CATALYST HOT STABULZED EXHAUST CATALYST HATS CATALYST BRAKE WEAR DESEL STARTS	RUBBER TRES BRAKE DUST GASOLINE (UNSPECIFIED) GASOLINE (UNSPECIFIED) RUBBER TRES BRAKE DUST DIESEL (UNSPECIFIED)	0 0 0 0	AUA AVA AVA AVA AVA AVA AVA AVA	#NVA 0%
MD KER 15 T50-720-5110-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-731-1100-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-734-100-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-734-100-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-734-1024-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-734-1024-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-736-1210-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-736-1210-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-736-1210-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-56-248-0000 (ON-ROAD MOTOR VEHICLES MD KER 15 156-56-248-0000 (ON-ROAD MOTOR VEHICLES	MOTORCYCLES (MCY) MOTORCYCLES (MCY) MOTORCYCLES (MCY) MOTORCYCLES (MCY) MOTORCYCLES (MCY) MOTORCYCLES (MCY) HEAYY DUT DESEL URBAN BUSES (UB) HEAYY DUTY DESEL URBAN BUSES (UB)	NON-CATALYST TIRE WEAR INON-CATALYST BRAKE WEAR CATALYST STARTS CATALYST STARTS CATALYST BRAKE WEAR CATALYST BRAKE WEAR DESEL HOT STARLIZED EXHAUST DIESEL HOT STARLIZED EXHAUST DIESEL HER WEAR	RUBBER TRES BRAKE DUST GASOLINE (INISPECIFIED) GASOLINE (INISPECIFIED) RUBBER TRES BRAKE DUST DIESEL (INISPECIFIED) DIESEL (INISPECIFIED) DIESEL (INISPECIFIED) DIESEL (INISPECIFIED) DIESEL (INISPECIFIED) DIESEL (INISPECIFIED) DIESEL (INISPECIFIED) DIESEL (INISPECIFIED)	0 0 0 0	AUA AUA AUA AUA AUA AUA AUA AUA AUA AUA	#V/A 0%
MD KER 15 750-720-8410-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-731-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-731-1100-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-74-102-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-74-0248-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-746-0120000 ON-ROAD MOTOR VEHICLES MD KER 15 750-76-1210-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-76-124-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-76-24-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-76-24-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-78-024-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-78-024-0000 ON-ROAD MOTOR VEHICLES MD KER 15 750-78-024-0000 ON-ROAD MOTOR VEHICLES MD KER	MOTORECYCLES (MCY) MOTORECYCLES (MCY) MOTORECYCLES (MCY) MOTORECYCLES (MCY) MOTORECYCLES (MCY) MOTORECYCLES (MCY) MOTORECYCLES (MCY) MOTORECYCLES (MCY) MEAVY DUTY DESEL URBAN BUSES (UB) HEAVY DUTY DESEL URBAN BUSES (UB) HEAVY DUTY DASEL URBAN BUSES (UB) HEAVY DUTY GAS URBAN BUSES (UB)	NON-CATALYST TIRKE WEAR INON-CATALYST STARTS CATALYST STARTS CATALYST OF STABLEED EXHAUST CATALYST BRAKE WEAR DEISEL TATATS DEISEL TATATS DEISEL TATATS DEISEL THE WEAR DEISEL BRAKE WEAR DEISEL BRAKE WEAR DIESEL BRAKE WEAR	RUBBER TRES BRAKE DUST GASOLINE (UNSPECIFIED) GASOLINE (UNSPECIFIED) RUBBER TRES BRAKE DUST DESEL (UNSPECIFIED) DESEL (UNSPECIFIED)	0 0 0 0	۲۹۷۸ ۳۹۷۸ ۲۹۷۸ ۳۹۷۸ ۳۹۷۸ ۲۹۷۸ ۲۹۷۸ ۲۹۷۸	#V/A 0%
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AB	DIS	CC	EIC	EIC1N	EICSUMN	EICSOUN	EICMATN	PM10_2001	PM10_2013	Growth Parameter (Old)	Growth Parameter (New)	% Growth
-							Total Paved Road Dust (KCAPCD)	1.32249672	2.003582531			52%
MD	KER	!	15 810-808-1400	-0000 OTHER MOBILE SOURCES	AIRCRAFT	JET AIRCRAFT - MILITARY	JET FUEL (UNSPECIFIED)	2,8042432	2.9042432	#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, 87	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%

.		SiC	516	FIG Francisco Colonomi Marco	EIC Source Name	FK: Material Name	Growth Parameter	Growth Factor(baseyear 2000)	Control Factor(baseyear 2000)	PM(tpd)	PM10(tpd)
Year 2000	SCC 1-02-006-01	1474	EIC 050-005-0110-0000	EIC Summary Category Name MANUFACTURING AND INDUSTRIAL	BOILERS	NATURAL GAS	SIC_14-135	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	6.0004	0.060348
2000		9711 9711	099-995-0000-0000	OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL	OTHER BOILERS	MATERIAL NOT SPECIFIED DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C7 FED_MIL-C2	1	1	0.0032	0.002784 0.0001952
2000 2000		9223	060-005-1220-0000 060-005-0110-0000	SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	SIC_91-97C5	1	4	0.0022	0.0022
2000		9711	060-005-0110-0000	SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	FED_MiL-C5	1	1	0.0006	0.0006
2000		9711	060-005-0124-0000	SERVICE AND COMMERCIAL	BOILERS	PROPANE DIESEUDISTILLATE OIL (UNSPECIFIED)	FED_MIL-C3 SIC_14-out	1	4	0.0001 0.0524	0.0001 0.0511424
2000 2000		1474 9711	050-040-1200-0000	MANUFACTURING AND INDUSTRIAL OTHER (FUEL COMBUSTION)	C. RECIPROCATING ENGINES	MATERIAL NOT SPECIFIED	FED_MiL-out	1	1	0.0824	0.0005856
2000		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-131	1	1	0.0002 0.0266	0.0001952
2000		4931 5032	020-045-0110-0000 060-040-1200-0000	COGENERATION SERVICE AND COMMERCIAL	1.C. TURBINE ENGINES	NATURAL GAS DIESEL/DISTILLATE CIL (UNSPECIFIED)	CATEGORY22 SIC_50&1-C2	1	,	0.0266	0.0264404 0.0001952
2000	2-03-001-01	9711	960-040-1200-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	1	1	0.0035	0.003416
2000		4971	060-040-0110-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	NATURAL GAS	SIC_494+-out	1	1	0.0026	0.0025844
2000 2000		9711 2951	060-045-1400-0000 430-424-7006-0000	SERVICE AND COMMERCIAL MINERAL PROCESSES	I.C. TURBINE ENGINES ASPHALTIC CONCRETE PRODUCTION	JET FUEL (UNSPECIFIED) ASPHALTIC CONCRETE	FED_MIL-out SIC_29589out	1	3	0.0038 0.0016	0.0037088 0.00064
2000		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	CATEGORY38	1	ţ	0.5152	0,473984
2000	3-05-008-07	3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1	1	0.0003	0.000276
2000 2000	3-05-006-08 3-05-006-09	3241 3241	430-436-7016-0000 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	STORAGE PILES CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT CEMENT	SIC_324-out SIC_324-out	1	1	0.1197 0.0006	0.110124 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		3241 3241	430-429-7015-0000 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out SIC_324-out	1	1	0.0003 0.0003	0.000276 0.00015
2000 2000		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	CUNKER	SIC_324-out	1	1	0,1896	0.174432
2000		3241 3241	430-429-7023-0000 430-429-7023-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out SIC_324-out	1	1	0.0739 0.0509	0.067988 0.046828
2000 2000		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1	Í	0.073	0.06716
2000	3-05-025-03	5032	430-995-7078-0000	MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SIC_508.1-out	1	1	0.0027	0.00135
2000		1474	430-995-7064-0000	MINERAL PROCESSES	CTHER CEMENT (PORTLAND AND OTHERS) MANUFACTURING	NON-METALLIC MINERALS (UNSPECIFIED) CEMENT	SIC_14-out	1	1	0.6049 0.2653	0.30245
2000 2000		3241 1474	430-429-7016-0000 430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER	POTASH	SIC_324-out 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	0.01465
2000		1474 1474	430-995-7072-0000 430-995-7064-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER OTHER	POTASH NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out SIC_14-out	1	1	0.7175	0.3589 0.99655
2000 2000		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		1474	430-995-7072-0000 430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1	1	0.0141 0.0923	0.00705
2000 2000		1474 1474	430-995-7072-0000	MINERAL PROCESSES	OTHER OTHER	POTASH POTASH	SIC_14-out SIC_14-out	1	1	0.0174	0.00115 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		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER IN-PROCESS FUEL	PCTASH NATURAL GAS	SIC_14-out SIC_14-i35	1		0.0026	0.0013 0.1195
2000 2000		1474 9711	130-130-0240-0000	MANUFACTURING AND INDUSTRIAL INCINERATORS	INCINERATION	SCLID WASTE (UNSPECIFIED)	FED_MIL-out	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	050-995-0000-000	0 050-995-1220-0000	MANUFACTURING AND INDUSTRIA. SERVICE AND COMMERCIAL	OTHER OTHER	DISTILLATE OIL (UNSPECIFIED) NATURAL GAS	SIC_20-39(31 CATEGORY33	1	1	0.0236 0.0192	0.0230336 0.0192
2000			G 430-422-7078-0000	MINERAL PROCESSES	SAND AND GRAVEL EXCAVATION AND PROCESSING	SAND/AGGREGATE	SIC_14-out	t	1	0.0542	0.0271
2000	430-420-0000-0000	430-420-0000-000	0 430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_2958.9cut	1	1	0.0281	0.01124
2000			0 430-426-7078-0000 0 430-430-7018-0000	MINERAL PROCESSES IR MINERAL PROCESSES	USHED STONE EXCAVATION AND PROCESSING (AGGREGATE PRO CEMENT CONCRETE MANUFACTURING AND FABRICATION	D. SAND/AGGREGATE CEMENT CONCRETE	SIC_14-out SIC_327-out	1	1	0.0056 0.0038	0.0028 0.003496
2000	440-440-0000-0000	440-440-0000-000	0 440-440-7000-0000	METAL PROCESSES	SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_334&9out	1	1	0.0079	0.00553
2000	610-600-0000-0000	610-600-0000-000	C 610-600-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOOD STOVES	WOOD	HOUS_AEO_R4	1	1	0.1299	0.1214565
2000			0 610-802-0230-0000 0 610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES FUEL COMBUSTION - SPACE HEATING	WOOD NATURAL GAS	CATEGORY09 CATEGORY10	1	1	0.2075 0.00 56	0.1940125 0.0086
2000			0 610-608-0110-0000		FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1	i	0.0065	0.0065
2000	610-610-0000-0000	610-610-0000-000	0 610-610-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - CCOKING	NATURAL GAS	HOUS_AEO_R3	1	1	0.0005	0.0005
2000 2000			0 610-995-0110-0000	RESIDENTIAL FUEL COMBUSTION RESIDENTIAL FUEL COMBUSTION	OTHER OTHER	NATURAL GAS LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEO_R3 HOUS_AEO_R2	1	1	0.0014	0.0014 0.0006
2000			0 620-614-5400-0600	FARMING OPERATIONS	TILLING DUST	DUST	CATEGORY12	1	ł	10.9894	4.99248442
2000	620-620-0000-0000	620-620-0000-000	0 620-615-5400-0000	FARMING OPERATIONS	HARVEST OPERATIONS - DUST	DUST	CATEGORY19	1	1	2.8027	1.27326661
2000	630-620-0000-0000	630-620-0000-000	0 630-622-5400-0000	CONSTRUCTION AND DEMOLITION CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - RESIDENTIAL BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST DUST	CATEGORY14 CATEGORY15	1	t +	0.615 0.306	0.3987795 0.1497258
2000	630-630-0000-0000	630-630-0000-000	6 630-626-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST	SIC_15-17emp	1	i	0.0734	0.03591462
2000				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SIC_15-17emp	1	1	0.3474	0.16998282
2000			6 630-634-5400-0000 6 640-635-5400-0000	CONSTRUCTION AND DEMOLITION PAVED ROAD DUST	ROAD CONSTRUCTION DUST PAVED ROAD TRAVEL DUST - FREEWAYS	DUST DUST	SIC_15-17emp ON-ROAD_VMT	1	1	1.9701 0.3942	0.96396993 0.13022824
2000			0 640-637-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	ON-ROAD_VMT	1	1	1.4174	0.64803528
2000			0 640-639-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS	DUST	ON-ROAD_VMT	1	1	0.2422	0.11073384
2000			0 640-641-5400-0000 0 645-638-5400-0000	PAVED ROAD DUST UNPAVED ROAD DUST	PAVED ROAD TRAVEL DUST - LOCAL STREETS UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	ON-ROAD_VMT CATEGORY17	1	1	0.7961 4.3145	0.36397692 2.58410735
2000			0 645-640-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS	DUST	CATEGORY 18	1	í	3.9683	2.35836069
2000	645-640-0000-0000	645-640-0000-000	0 645-644-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS	DUST	CATEGORY18	1	1	0.5071	0.30135953
2000			0 645-646-5400-0000	UNPAVED ROAD DUST FUGITIVE WINDBLOWN DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST DUST	CATEGORY19 CATEGORY20	1	1	6.0302 11.2776	3.58374786 5.12341368
2000	650-650-0000-0000	650-650-0000-000	0 650-652-5400-0000	FUGITIVE WINDBLOWN DUST	DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS	DUST	CATEGORY21	1	i	D.52	0.309036
2000			0 660-656-0200-0000	FIRE S FIRE S	STRUCTURAL FIRES	SOLID FUEL (UNSPECIFIED)	HOUSINGUNITS POP-DOF	1	1	0.0017	0.001656
2000 2000	670-650-0000-0000	670-660-0000-000	0 670-662-0262-0000	WASTE BURNING AND DISPOSAL	AUTOMOBILE FIRES AGRICULTURAL BURNING - FIELD CROPS	SOLID FUEL (UNSPECIFIED) AGRICULTURAL WASTE	CATEGORY44	1	1	0.002	0.001965 0.00049175
2000	670-660-0000-0000	670-660-0000-000	670-664-0200-0000	WASTE BURNING AND DISPOSAL	RANGE IMPROVEMENT	SOLID FUEL (UNSPECIFIED)	CATEGORY45	1	1	0.0003	0.00029475
2000			0 690-680-6000-0000 0 810-808-1400-0000	COOKING AIRCRAFT	COMMERCIAL CHARBROILING JET AIRCRAFT - MILITARY	FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED JET FUEL (UNSPECIFIED)	CATEGORY49 FLT-MJET	1	1	0.0621 2.865	0.04347 2.79624
2000	820-820-0000-0000	820-820-0000-000	0 820-820-1210-0000	TRAINS	LOCOMOTIVES - ROAD HAULING	DIESEL (UNSPECIFIED)	EMP-RAIL	i	1	0.0606	0.0606
2000			C 850-876-1100-0000 C	OFF-ROAD RECREATIONAL VEHICLES	FOUR-WHEEL DRIVE VEHICLES	GASOLINE (UNSPECIFIED)	REG-4WD	1	1	0.0009	0.00081
2001	1-02-006-01 1-03-004-02	1474 4961	050-005-0110-0000 099-995-0000-0000	MANUFACTURING AND INDUSTRIAL OTHER (FUEL COMBUSTION)	BOILERS	NATURAL GAS MATERIAL NOT SPECIFIED	SIC_14-135 SIC 494+-C7	1.010544815 1.032258065	1	0.0037 0.0004	0.0037 0.000348
2001	1-03-004-02	9711	039-995-0006-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-C7	0.968493151	1	0.0031	0.002697
2001 2001		9711 9223	060-005-1220-0000 060-005-0110-0000	SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	BOILERS BOILERS	DISTILLATE OIL (UNSPECIFIED) NATURAL GAS	FED_MIL-C2 SIC 91-37C5	0.956806818 0.997058824	1	0.0001	0.0000976
2001		9223 9711	060-005-0110-0000	SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	FED_MIL-Q5	0.997058824 0.969791667	1	0.0022 0.0006	3.0022 0.0006
2001	1-03-010-02	9711	060-005-0124-0000	SERVICE AND COMMERCIAL	BOILERS	PROPANE	FED_MIL-C3	0.974386339	1	0.0001	0.0001
2001 2001		1474 9711	050-040-1200-0000 099-995-0000-0000	MANUFACTURING AND INDUSTRIAL OTHER (FUEL COMBUSTION)	I.C. RECIPROCATING ENGINES OTHER	DIESEUDISTILLATE OIL (UNSPECIFIED) MATERIAL NOT SPECIFIED	SIC_14-out FED_MIL-out	1.020997375 0.964863774	1	0.0535 0.0006	0.052216 0.0005856
2001		9711	060-045-1412-0000	SERVICE AND COMMERCIAL	LC, TURBINE ENGINES	KERONAPTHA JET FUEL	FED_MiL-cut	0.984863774	1	0.0032	0.0005856
2001		9711	099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-131	0.982346833	1	0.0002	0.0001952
2001 2001		4931 5032	020-045-0110-0000 060-040-1200-0000	COGENERATION SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	NATURAL GAS DIESEL/DISTILLATE OIL (UNSPECIFIED)	CATEGORY22 SIC_50&1-C2	1.040959041 1.015228426	1	0.0277 0.0002	0.0275338 0.0001952
2001		9711	060-040-1200-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	0.958606518	ł	0.0002	0.0032208
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	C.0027	0.0026838
2001 2001	2-04-001-01 3-05-002-01	9711 2951	060-045-1400-0000 430-424-7006-0000	SERVICE AND COMMERCIAL MINERAL PROCESSES	LC. TURBINE ENGINES ASPHALTIC CONCRETE PRODUCTION	JET FUEL (UNSPECIFIED) ASPHALTIC CONCRETE	FED_MiL-out SIC_295&9out	0.984863774	1	0.0038 0.0016	0.0037088 0.00064
2001	3-05-006-06	3241	430-429-7015-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	CATEGORY38	1.042553131	1	0.5371	0.494132
2001 2001	3-05-006-07 3-05-006-09	3241 3241	430-429-7016-0000 430-436-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING STORAGE PILES	CEMENT CEMENT	SIC_324-out SIC_324-out	1.042594385 1.042594385	1	0.1248	0.000276 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	430-429-7015-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.042594385	1	0.0006	0.000552

2001	3-05-006-12 3241 430-429-7016-000	0 MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.042594385	1	0.0003 0.000276
2001	3-05-006-13 3241 430-429-7016-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.042594365	1	0.0003 0.00015
2001	3-05-006-14 3241 430-429-7023-000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.042594385		0.1289 0.116588
2001	3-05-006-15 3241 430-436-7023-000		STORAGE PILES	CLINKER	SIC_324-out	1.042594385		0.1977 C.161884
2001	3-05-006-16 3241 430-429-7023-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.042594385	1	0.077 0.07084
2001	3-05-006-17 3241 430-429-7023-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.042594385	1	0.0531 0.046852
2001	3-05-006-18 3241 430-429-7016-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.042594385	1	0.0761 0.070012
2001	3-05-025-03 5032 430-995-7078-000	0 MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SIC_50&1-out	1.0433213	1	0.0029 0.00145
2001	3-05-040-01 1474 430-995-7064-000		OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.020997375	1	0,6175 0.30875
2001	3-05-040-01 3241 430-429-7016-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.642594385	1	0.2974 0.1487
2001	3-05-040-20 1474 430-995-7072-000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.020997375	1	0.1075 0.05375
2001	3-05-040-20 3241 430-429-7016-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.042594385	1	0.031 0.0155
2001	3-05-040-21 1474 430-995-7072-000		OTHER	POTASH	SIC_14-out	1.020997375	1	0.7328 0.3664
2001	3-05-040-22 1474 430-995-7064-000		OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.020997375	1	2.0347 1.01735
2001	3-05-040-24 1474 430-395-7072-000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.020997375		0.0013 0.00065
2001	3-05-040-25 1474 430-436-7072-000	0 MINERAL PROCESSES	STORAGE PILES	POTASH	SIC_14-out	1.020997375	1	0.0351 0.01755
2001	3-05-040-30 1474 430-995-7072-000	0 MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.020997375	1	0.0144 0.0072
2001	3-05-040-31 1474 430-995-7072-000		OTHER	POTASH	SIC_14-out	1.020997375	1	0.0024 0.0012
2001	3-05-040-32 1474 430-995-7072-000		OTHER	POTASH	SIC_14-out	1.020997375	1	0.0176 0.0069
2001	3-05-040-33 1474 430-995-7072-000		OTHER	POTASH	SIC_14-out	1.020997375	1	0.0022 0.0011
2001	3-05-040-34 1474 430-995-7072-000	D MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.020997375	1	0.0027 0.00135
2001	3-90-006-89 1474 050-070-0110-000	0 MANUFACTURING AND INDUSTRIAL	IN-PROCESS FUEL	NATURAL GAS	SIC_14-I35	1.010544815	1	0.1208 0.1208
2001	5-01-001-01 9711 130-130-0240-000		INCINERATION	SOLID WASTE (UNSPEC(FIED)	FED_MIL-out	0.984863774	1	0.0003 0.00009
2001	5-01-006-01 9711 099-995-1400-000		OTHER	JET FUEL (UNSPECIFIED)	FED_MiL-out	0.984863774	1	0.0192 0.0187392
2001	050-995-0000-0000 050-995-0000-0000 050-995-1220-000		OTHER	DISTILLATE OIL (UNSPECIFIED)	SIC_20-39/31	1.054298643	1	6.0249 0.0243024
2001	060-995-0000-0000 060-995-0000-0000 060-995-0110-000		OTHER	NATURAL GAS	CATEGORY33	1.026857654	1	0.0197 0.0197
2001	430-420-0000-0000 430-420-0000-0000 430-422-7078-000		SAND AND GRAVEL EXCAVATION AND PROCESSING	SAND/AGGREGATE	SIC_14-out	1.020997375	1	0.0553 0.02765
2001	430-420-0000-0000 430-420-0000-0000 430-424-7006-000		ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1	1	0.0281 0.01124
2001	430-430-0000-0000 430-430-0000-0000 430-426-7078-000		RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD		SIC_14-out	1.020997375	1	0.0058 0.0029
2001	430-430-0000-0000 430-430-0000-0000 430-430-7018-000		CEMENT CONCRETE MANUFACTURING AND FABRICATION	CEMENT CONCRETE	SIC_327-out	1.041521561	1	0.004 0.00368
2001	449-446-0090-0000 440-440-0000-0000 440-440-7000-000		SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_33489out	1	1	0.0079 0.00553
2001	610-600-0000-0000 610-600-0000-0000 610-600-0230-000	0 RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOOD STOVES	WCOD	HOUS_AED_R4	0.997	1	3.1295 0.1210625
2001	610-600-0000-0000 610-600-0000-0000 610-602-0230-000		WOOD COMBUSTION - FIREPLACES	WOOD	CATEGORY09	1,007762101	1	C.2093 0.1956955
2001	610-610-0000-0000 610-610-0900-0000 610-606-0110-000	0 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 610-608-0110-000		FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.009756098	1	0.0065 0.0065
2001	610-610-0000-0000 610-610-0000-0000 610-610-0110-000		FUEL COMBUSTION - COOKING	NATURAL GAS	HOUS_AEO_R3	0.996035982	1	0.0005 0.0005
2001	611-000-0000-0000 611-000-0000-0000 610-995-0110-000		OTHER	NATURAL GAS	HOUS_AEC_R3	0.998025982	1	0.0014 0.0014
2001	611-000-000D-0000 611-000-0000-0000 610-995-0120-000		OTHER	LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEO_R2	1.000992063	. 1	0.0008 0.0006
2001	620-610-0000-0000 620-610-0000-0000 620-614-5400-000	0 FARMING OPERATIONS	TILLING DUST	DUST	CATEGORY12	0.975635593	1	10.7282 4.87382126
2001	626-620-0000-0000 620-620-0000-0000 620-615-5400-000		HARVEST OPERATIONS - DUST	DUST	CATEGORY19	0.99389002	1	2.7856 1.26549808
2001	630-620-0000-0000 630-620-0000-0000 630-622-5400-000		BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST	CATEGORY14	1.041275797	1	0.8485 0.41517105
2001	630-620-0000-0000 630-620-0000-000C 630-624-5400-000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST	CATEGORY15	1.041227229	5	0.3186 0.15599098
2001	630-630-0000-0000 630-630-0000-0000 630-626-5400-000		SUILDING CONSTRUCTION DUST-INDUSTRIAL	DUST	SiC_15-17emp	1.012820513		0.0743 0.03635499
2001	630-630-0900-0000 630-630-0000-0000 630-628-5400-000		BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SiC_15-17emp	1.012820513	1	0.3518 0.17213574
2001	630-630-0000-0000 630-630-0000-0000 630-634-5400-000		ROAD CONSTRUCTION DUST	DUST	SIC_15-17emp	1.012820513	4	1.9953 0.97630029
2001	640-640-0000-0000 640-640-0000-0000 640-635-5400-000		PAVED ROAD TRAVEL DUST - FREEWAYS	DUST	ON-ROAD_VMT	1.535320822	1	0.4098 0.16736056
2001	640-640-0000-0000 640-640-0000-0000 640-637-5400-000		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 640-639-5400-000		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 640-641-5400-000		PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST	ON-ROAD_VMT	1.039320522	1	C.8275 0.378333
2001	645-640-0000-0000 645-640-0000-0000 645-638-5400-000	0 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 645-640-5400-000	0 UNPAVED ROAD DUST	UNFAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS	DUST	CATEGORY16	1.009727626	ť	4.0065 2.38106295
2001	645-640-0000-0000 645-640-0000-0000 645-644-5400-000		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 645-646-5400-500		UNPAVED ROAD TRAVEL DUST- FARM ROADS	DUST	CATEGORY19	0.99389002	1	5.9935 3.56193705
2001	650-650-0000-0000 650-650-0000-0000 650-650-5400-000		DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST	CATEGORY20	0.987603306	1	11.1418 5.06171974
2001	650-650-0000-0000 650-650-0000-0000 650-652-5400-000		DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS	DUST	CATEGORY21	1	1	0.52 0.309035
2001	660-660-0000-0000 660-660-0000-0000 660-656-0200-000		STRUCTURAL FIRES	SOLID FUEL (UNSPECIFIED)	HOUSINGUNITS	1.008763389	1	0.0017 0.001666
2001	660-660-0000-0000 660-660-0000-0000 660-658-0200-000		AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF	1.022878932	1	0.0021 0.00206325
2001	670-660-0000-0000 670-660-0000-0000 670-662-0262-000		AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	1	0.0005 0.00049175
2001	670-660-0000-0000 670-660-0000-0000 670-664-0200-000		RANGE IMPROVEMENT	SOLID FUEL (UNSPECIFIED)	CATEGORY45	0.993902435	1	0.0603 D.00029475
2001	690-680-0000-0000 690-680-0000-0000 690-680-6000-000	0 COOKING	COMMERCIAL CHARBROLING	FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY49	1.030583874	1	0.064 0.0448
2001	810-810-0000-0000 810-810-0000-0000 810-808-1400-000		JET AIRCRAFT - MILITARY	JET FUEL (UNSPECIFIED)	FLT-MJET	1.002982107	1	2.8738 2.8648288
2001	820-620-0000-0000 820-520-0000-0000 620-820-1210-000	0 TRAINS	LOCOMOTIVES - ROAD HAULING	DIESEL (UNSPECIFIED)	EMP-RAIL	1	1	0.0606 0.0606
2001	850-880-0000-0000 850-880-0000-0000 850-876-1100-000			GASOLINE (UNSPECIFIED)	REG-4WD	1.018796992	1	0.0009 0.00681
2002		0 MANUFACTURING AND INDUSTRIAL	BOILERS	NATURAL GAS	SIC_14-135	1.021968366	1	0.0039 0.0038
2002	1-03-004-02 4961 099-995-0000-000		OTHER	MATERIAL NOT SPECIFIED	SIC_454+-C7	1.032258065	1	0.0004 0.000349
2002	1-03-004-02 9711 099-995-0000-000		OTHER	MATERIAL NOT SPECIFIED	FED_MIL-C7	0.938356164	1	0.003 0.00261
2002	1-03-005-01 9711 060-005-1220-000		BOILERS	DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	0.914772727	1	0.0001 0.0009976
2002	1-03-006-02 9223 060-005-0110-000		BOILERS	NATURAL GAS	SIC_91-97C5	0.995098039	1	0.0022 0.0022
2002	1-03-006-03 9711 060-005-0110-000		BOILERS	NATURAL GAS	FED_MIL-C5	0.940625	1	0.0005 0.0005
2002	1-03-010-02 9711 060-005-0124-000		BOILERS	PROPANE	FED_MIL-C3	0,946638207	1	0.0001 0.0001
2002		0 MANUFACTURING AND INDUSTRIAL	I.C. RECIPROCATING ENGINES	D'ESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_14-out	1.04111986	1	0.0546 0.0532896
2002	2-01-001-02 9711 069-995-0000-000		OTHER	MATERIAL NOT SPECIFIED	FED_MIL-out	0.967709384	1	0.0005 0.0005856
2002	2-01-009-01 9711 060-045-1412-000		I.C. TURBINE ENGINES	KERONAPTHA JET FUEL	FED_MiL-out	0.967709384	1	0.0031 0.0030256
2002	2-02-001-02 9711 099-995-0000-000 2-02-002-03 4931 020-045-0110-000		OTHER	MATERIAL NOT SPECIFIED	FED_MIL-I31	0.963655244	1	0.0002 0.0001952
2002			I.C. TURBINE ENGINES	NATURAL GAS	CATEGORY22	0.867132967		0.0231 0.0229614
2002 2002	2-03-001-01 5032 060-040-1200-000 2-03-001-01 9711 060-040-1200-000		I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED) DIESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_50&1-C2	1.017766497	1	0.0002 0.0001952
2002	2-03-002-91 4971 060-040-0110-000		I.C. RECIPROCATING ENGINES	NATURAC GAS	FED_MIL-C2 SIC_494+-out	0.914772727 1.045666356	1	0.0032 0.0031232 0.0028 0.0027832
2002	2-04-001-01 9711 060-045-1400-000		I.C. TURBINE ENGINES	JET FUEL (UNSPECIFIED)	FED_MIL-out	D.967709384	4	0.0028 0.0027832 0.0037 0.0036112
2002	3-05-002-01 2951 430-424-7006-000		ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.049382716	1	0.0037 0.0036112 0.0316 0.00064
2002	3-05-006-06 3241 430-429-7016-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	CATEGORY38	1.063829787	4	0.5483 0.504436
2002	3-05-006-07 3241 430-429-7016-000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.063891578	+	0.0003 0.000276
2002	3-05-006-08 3241 430-436-7016-000		STORAGE PILES	CEMENT	SIC 324-out	1.063891578	i	0.1274 0.117208
2002	3-05-006-09 3241 430-429-7016-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1,063891576	1	0.0006 0.000552
2002	3-05-006-11 3241 430-429-7016-000	0 MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.063891578	1	C.9006 0.000552
2002	3-05-006-12 3241 430-429-7016-000	0 MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.063691576	i	0.0203 0.000276
2002	3-05-006-13 3241 430-429-7016-000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.063891578	1	0.0003 0.00015
2002	3-05-006-14 3241 430-429-7023-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	S!C_324-out	1,063891578	+	0.1316 0.121072
2002	3-05-006-15 3241 430-436-7023-000		STORAGE PILES	CLINKER	\$!C_324-out	1.063891578	1	0.2017 0.185564
2002	3-05-006-16 3241 430-429-7023-000	0 MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.063891576	f	0.0786 0.072312
2002	3-05-006-17 3241 436-429-7023-000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.063851578	1	0.0542 0.049864
2002	3-05-006-18 3241 430-429-7016-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.063591579	1	0.0777 0.071484
2002	3-05-025-03 5032 430-995-7078-000	MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SIC_50&1-out	1.08032491	1	0.003 0.0015
2002	3-05-040-01 1474 430-995-7064-000		OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.04111936	1	0.6301 0.31505
2002	3-05-040-01 3241 430-429-7016-000	MINERAL PROCESSES	CEVENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.063591575	1	0.3035 0.15175
2002	3-05-040-20 1474 430-995-7072-000		OTHER	POTASH	SIC_14-out	1.04111986	1	0.1097 0.05485
2002	3-05-040-20 3241 430-429-7016-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC 324-out	1.063891578	1	0.0316 0.0158
2002	3-05-040-21 1474 430-995-7072-000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.04111966	1	0.7477 0.37385
2002	3-05-040-22 1474 430-995-7064-000		OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.04111986	1	2.0762 1.0381
2002	3-05-040-24 1474 430-995-7072-000		OTHER	POTASH	SIC_14-out	1.04111986	\$	0.0014 0.0007
2002	3-05-040-25 1474 430-436-7072-000	MINERAL PROCESSES	STORAGE PILES	POTASH	SIC_14-out	1.04111986	1	C.0358 0.0179
2002	3-05-040-30 1474 430-995-7072-000		OTHER	POTASH	SIC_14-out	1.04111986	f	0.0147 0.00735
2002	3-05-040-31 1474 430-995-7072-000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.04111986	1	0.0024 0.0012
2002			OTHER	POTASH POTASH	SIC_14-out	1.04111986 1.04111986	1	0.0161 0.00985 0.0022 0.0011
2002	3-05-040-32 1474 430-995-7072-000 3-05-040-33 5474 430-995-7072-000	A MINERAL PROCESSES					1	
2002	3-05-040-33 1474 430-995-7072-000		OTHER		SIC_14-out			
2002	3-05-040-33 1474 430-995-7072-000 3-05-040-34 1474 430-995-7072-000	0 MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.04111966	1	0.0027 0.00135
	3-05-040-33 1474 430-995-7072-000 3-05-040-34 1474 430-995-7072-000 3-90-006-89 1474 050-070-0110-000	0 MINERAL PROCESSES 0 MANUFACTURING AND INDUSTRIAL	OTHER IN-PROCESS FUEL	POTASH NATURAL GAS	SIC_14-out SIC_14-i35	1.04111966 1.021968366	1	0.0027 0.00135 0.1221 0.1221
2002 2002	3-05-040-33 1474 430-995-7072-000 3-05-040-34 1474 430-995-7072-000	0 MINERAL PROCESSES 0 MANUFACTURING AND INDUSTRIAL	OTHER	POTASH	SIC_14-out	1.04111966	1	0.0027 0.00135

2002	5-01-006-01 9711 099-995-1400-0000	OTHER (FUEL COMBUSTION)	OTHER	JET FUEL (UNSPECIFIED)	FED_MIL-out	0.967709364	1	0.0169	0.0184464
2002 2002	050-995-0000-0000 050-995-0000-0000 050-995-1220-0000 060-995-0000-0000 060-995-0000-0000 060-995-0110-0000	SERVICE AND COMMERCIAL	OTHER OTHER	DISTILLATE OIL (UNSPECIFIED) NATURAL GAS	SIC_20-39131 CATEGORY33	1.104072398 1.048343778		0.0261 0.0201	0.0254736 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.Sout	1.049362716	1	0.0296	C.01184
2002	430-430-0000-0000 430-430-0000-0000 430-426-7075-0000	MINERAL PROCESSES	RUSHED 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 430-430-7015-0000	MINERAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION	CEMENT CONCRETE	SIC_327-put	1.07063197	1	0.0041	0.003772
2002	440-440-0000-0000 440-440-0000-0000 440-440-	METAL PROCESSES	SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_334&9out	1	1	0.0079	0.00553
2002 2002	610-600-0000-0000 610-600-0000-0000 610-600-0230-0000 610-600-0000-0000 610-600-0000-0000 610-602-0230-0000	RESIDENTIAL FUEL COMBUSTION RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOOD STOVES WOOD COMBUSTION - FIREPLACES	WOCD WCOD	HDUS_AEO_R4 CATEGORY09	0.999 1.017509728	1	0.1298 0.2112	0.121363 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	i	0.0085	0.0085
2002	610-610-0000-0000 610-610-0000-0000 610-606-0110-0000	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	1.00297519	1	0.0006	0.0006
2002	620-610-0000-0000 620-610-0000-0000 620-614-5400-0000	FARMING OPERATIONS FARMING OPERATIONS	TILLING DUST HARVEST OPERATIONS - DUST	DUST DUST	CATEGORY12 CATEGORY19	0.952330508 0.986761711	1	10.467 2.7651	4.7551581 1.25616493
2002 2002	620-620-0000-0000 620-620-0000-0000 620-615-5400-0000 630-620-0000-0000 630-620-0000-0000 630-622-5400-0000		BUILDING CONSTRUCTION DUST - RESIDENTIAL	BUST	CATEGORY14	1.054409006	Ŧ	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 630-628-5409-0000		BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SIC_15-17emp	1.036489152	t	0.3599	0.17609907
2302	630-630-0000-0000 630-630-0000-0000 630-634-5400-0000		ROAD CONSTRUCTION DUST	DUST	SIC 15-17emp	1.035489152	t	2.0412	0.59875916
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	0.4253	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	t	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 645-640-0000-0000 645-640-0000-0000 645-638-5400-0000	PAVED ROAD DUST UNPAVED ROAD DUST	PAVED ROAD TRAVEL DUST - LOCAL STREETS UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST DUST	ON-ROAD_VMT CATEGORY17	1.078641644	1	0.8589 4.3145	0.39268908 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	f	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	CUST	CATEGORY18	1.019455253	1	0.5168	0.30713424
2002	645-650-0000-0000 645-650-0000-0000 645-646-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- FARM RCADS	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	ť	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	CUST	CATEGORY21	1	1	6.52	0.309036
2002 2002	660-660-0000-0000 660-660-0000-0000 660-655-0200-0000 650-660-0000-0000 660-660-0000-0000 660-658-0200-0000	FIRES	STRUCTURAL FIRES AUTOMOBILE FIRES	SOUD FUEL (UNSPECIFIED) SOLID FUEL (UNSPECIFIED)	HOUSINGUNITS POP-DOF	1.018500487 1.056244042	1	0.0017 0.0021	0.001666 0.00206325
2002	670-660-0000-0000 670-660-0000-0000 670-652-0260-0000	WASTE BURNING AND DISPOSAL	AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	r t	0.0021	0.00206325
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	i	0.0653	0.04571
2002	810-810-0000-0000 810-810-0000-0000 610-808-1400-0000	ARCRAFT	JET AIRCRAFT - MILITARY	JET FUEL (UNSPECIFIED)	FUT-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 0			GASOLINE (UNSPECIFIED)	REG-4WD	1.039473684	1	0.0009	0.00081
2003		MANUFACTURING AND INDUSTRIAL	BOILERS	NATURAL GAS	SIC_14-135	1.021968366	1	0.0038	0.0038
2003 2003	1-03-004-02 4961 099-995-0000-0000 1-03-004-02 9711 099-995-0000-0000	OTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION)		MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED	SIC_494+-C7 FED_MIL-C7	0.905479452	1	0.0004 0.0029	0.000348 0.002523
2003	1-03-005-02 5711 060-005-1220-0000	SERVICE AND COMMERCIAL	BOILERS	DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	0.862215909	1	0.0029	0.0002525
2003	1-03-006-02 9223 060-005-0110-0000	SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	\$IC_91-97C5	0.989215686		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	t	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		MANUFACTURING AND INDUSTRIAL	I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_14-out	1.051618548	1	0.0552	0.0536752
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	0.000468
2003	2-01-009-01 9711 060-045-1412-0000 2-02-001-02 9711 099-995-0000-0000	SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	KERONAPTHA JET FUEL MATERIAL NOT SPECIFIED	FED_MIL-out	0.950554995	1	0.6031	0.0030256
2003	2-02-001-02 9711 099-995-0000-0000 2-02-002-03 4931 020-045-0110-0000	OTHER (FUEL COMBUSTION) COGENERATION	OTHER I.C. TURBINE ENGINES	NATURAL GAS	FED_MIL-I31 CATEGORY22	0.946002077 0.782217782	1	0.0002 0.0208	0.0001952 0.0206752
2003	2-03-001-01 5032 060-040-1200-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_5081-C2	1.015226426	ł	0.0302	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	0.862215509	1	0.003	0.002925
2003	2-03-002-01 4971 060-040-0110-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	NATURAL GAS	SIC_494+-out	1.045666356	1	0.0628	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_295&9out	1.049382716	1	0.0016	0.00064
2003 2003	3-05-006-06 3241 430-429-7016-0000 3-05-006-07 3241 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT CEMENT	CATEGORY38 SIC_324-out	1.086073501 1.085188771	1	0.5595 0.0003	0.51474 0.000276
2003	3-05-006-06 3241 430-436-7016-0000	MINERAL PROCESSES	STORAGE PILES	CEMENT	SIC_324-out	1.065166771	÷	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	1.085188771	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	1.085188771	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	1.085188771	1	0.0003	0.000276
2003	3-05-006-13 3241 430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-0u1	1.065188771	1	0.0003	0.00015
2093	3-05-006-14 3241 430-429-7023-0000 3-05-006-15 3241 430-436-7023-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CUNKER	SIC_324-out	1.085188771	1	0.1342	0.123464
2003 2003	3-05-006-16 3241 430-439-7023-0000	MINERAL PROCESSES	STORAGE PILES CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out SIC_324-out	1.085188771 1.085188771	1	0.2058 0.0802	0.169336 0.073794
2003	3-05-006-17 3241 430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC 324-out	1.065186771	1	0.0553	0.050676
2003	3-05-006-18 3241 430-429-7016-0090	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.085188771	1	0.0792	0.072864
2003	3-05-025-03 5032 430-995-7078-0000	MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SIC 5081-cut	1.119133574	1	0.0031	0.00155
2003	3-05-040-01 1474 430-995-7064-9000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-cut	1.051618548	1	0.6364	0.3182
2003 2003	3-05-040-01 3241 430-429-7016-0000 3-05-040-20 1474 430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING OTHER	CEMENT POTASH	SIC_324-out	1.085188771	1	0.3095	0.15475
2003	3-05-040-20 1474 430-995-7072-0000 3-05-040-20 3241 430-429-7016-0000	MINERAL PROCESSES	OTHER CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_14-out SIC_324-out	1.051618546 1.085188771	1	0.1108 0.0322	0.0554 0.0161
2003	3-05-040-21 1474 430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.051618548	1	0.0322	0.0161
2003	3-05-040-22 1474 430-995-7064-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.051618546	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	0.0067
2003	3-05-040-25 1474 430-436-7072-0090	MINERAL PROCESSES	STORAGE PILES	PCTASH	SIC_14-out	1.051618548	1	0.0362	0.0181
2093	3-05-040-30 1474 430-995-7072-0000 3-05-040-31 1474 430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER OTHER	POTASH POTASH	SIC_14-out	1.051618548	1	0.0148	0.0074
2003 2003	3-05-040-31 14/4 430-995-7072-0000 3-05-040-32 1474 430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SiC_14-out SiC 14-out	1.051618548	1	0.0025	0.00125 0.00915
2003	3-05-040-33 1474 430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC 14-out	1.051618548	1	0.0022	6.0011
2003	3-05-040-34 1474 430-695-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.051618548	1	0.0022	0.00135
2003	3-90-006-89 1474 050-070-0110-0000		IN-PROCESS FUEL	NATURAL GAS	SIC_14-135	1.021968366	1	0.1221	0.1221
2003	5-01-001-01 9711 130-130-0240-0000 5-01-005-01 0711 130-025-1400-0000	INCINERATORS	INCINERATION	SOLID WASTE (UNSPECIFIED)	FED_MIL-out	0.950554995	1	0.0003	C.00009
2003	5-01-006-01 9711 099-995-1400-0000 050-995-0000-0000 050-995-0000-0000 050-995-1220-0000	OTHER (FUEL COMBUSTION) MANUEACTURING AND INDUSTRIAL	OTHER OTHER	JET FUEL (UNSPECIFIED)	FED_MIL-out	2.00000-0000	1	0.01B6	0.0191536
2003	060-995-0000-0000 060-995-0000-0000 050-995-01220-0000	SERVICE AND COMMERCIAL	OTHER	DISTILLATE OIL (UNSPECIFIED) NATURAL GAS	SIC_20-39131 CATEGORY33	1,16199095 1.064458371	1	0.0274 0.0205	0.0267424
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	0.0205	0.0205 0,0285
2003	430-420-0000-0000 430-420-0000-0000 430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_29589out	1.049382715		0.0296	0.01184
2003	430-430-0000-0000 430-430-0000-0000 430-426-7078-0000	MINERAL PROCESSES	RUSHED 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	1.084572491	1	0.0042	0.003964
2003 2093	440-440-0000-0000 440-440-0000-0000 440-440-	METAL PROCESSES RESIDENTIAL FUEL COMBUSTION	SECONDARY METAL PRODUCTION WOOD COMBUSTION - WOOD STOVES	MINERAL AND METAL PRODUCTS (UNSPECIFIED) WOOD	SIC_334&Sout HOUS_AEO_R4	1	1	9.0079	0.00553
2003	610-600-0000-0000 610-600-0000 610-602-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOOD STOVES WOOD COMBUSTION - FIREPLACES	WOOD	CATEGORY09	1.001	1	0.13 0.2133	0.12155 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	ť	0.0084	0.0084
2003	610-610-0000-0000 610-610-0000-0000 610-605-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.026292683	1	0.0066	0.3066
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 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 620-610-0000-0000 620-610-0000-0000 620-614-5400-0000	RESIDENTIAL FUEL COMBUSTION FARMING OPERATIONS	OTHER TILLING DUST	LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEO_R2	0.996015673	1	0.0006	0.0006
2003	620-620-0000-0000 620-610-0000-0000 620-614-5400-0000	FARMING OPERATIONS	HARVEST OPERATIONS - DUST	DUST DUST	CATEGORY12 CATEGORY19	0.935381356 0.960651731	1	10.2804	4.67038572 1.2484164
2003	630-620-0000-0000 630-620-0000-0000 630-622-5400-0000		BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST	CATEGORY14	1.0684803	1	2.748 0.6709	1.2494164 0.42613137
2003	630-620-0000-0000 630-620-0000-0000 630-624-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST	CATEGORY15	1.068072967	i	0.327	0.1600011
2003	630-630-0000-0000 630-630-0000-0000 630-626-5400-0000	CONSTRUCTION AND DEMOLITION	EUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST	SIC_15-17emp	1.045364892	1	0.0766	0.03748038
2003 2003	630-630-0000-0000 630-630-0000-0000 630-628-5400-0000 630-630-0000-0000 630-630-0000-0000 630-634-5400-0000		BUILDING CONSTRUCTION DUST - INSTITUTIONAL POAD CONSTRUCTION DUST	DUST	SIC_15-17emp	1.045364692	1	0.3629	C.17756697
2003	640-640-0000-0000 640-640-0000-0000 640-635-5400-0000	PAVED ROAD DUST	ROAD CONSTRUCTION DUST PAVED ROAD TRAVEL DUST - FREEWAYS	DUST DUST	SIC_15-17emp ON-ROAD_VMT	1.045364892	1	2.058 0.4409	1.0069794 0.20157948
							,	0.4410	0.20121340

2003	640-640-0000-0000 640-640-		PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	ON-ROAD_VMT ON-ROAD_VMT	1.117962466		1.5854 0.2709	0.72484488 0.12386548
2003	640-640-0000-0000 640-640-		PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST	ON-ROAD_VMT	1.117962466	1	0.8504	0.40709088
2003		000-0000 640-641-5400-0000		PAVED RUAD TRAVEL DUST - LUCAL STREETS	DUST	CATEGORY17	1 111 302400	, 1	4.3145	2.56410735
2003		000-0000 645-538-5400-0000	UNPAVED ROAD DUST UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS	DUST	CATEGORY18	1.029182879	i	4,0648	2.42759664
2003 2003		000-0000 645-644-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- 0.3. FOREST AND PARK ROADS	DUST	CATEGORY18	1.029162879	÷	0.5219	0.31016517
2003	645-650-0000-0000 645-650-		UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS	DUST	CATEGORY19	0.980651731	1	5.9126	3.51385818
2003		000-0000 650-650-5400-0000		DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST	CATEGORY20	0.964876033	1	10.8951	4,94510093
2003	650-650-0000-0000 650-650-			DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS	DUST	CATEGORY21	1	1	0.52	0.309036
2003		000-0000 660-656-0200-0000	PIRES	STRUCTURAL FIRES	SOLID FUEL (UNSPECIFIED)	HOUSINGUNITS	1.027263675	1	0.0017	0.001666
2003		000-0000 660-658-0200-0000	PIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF	1.089609152	1	0.0022	0.0021615
2003		000-0000 670-662-0262-0000		AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	1	0.0005	0.00049175
2003	670-660-0000-0000 670-660-			RANGE IMPROVEMENT	SOLID FUEL (UNSPECIFIED)	CATEGORY45	0.983739637	1	0.0003	0.00029475
2003		000-0000 690-680-6000-0000	COOKING	COMMERCIAL CHARBROILING	FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY49	1.070435589	1	0.0664	0.04648
2003	810-810-0000-0000 B10-810-		AIRCRAFT	JET AIRCRAFT - MILITARY	JET FUEL (UNSPECIFIED)	FLT-MJET	1.003976143	1	2.8767	2.6076592
2003		000-0000 820-820-1210-0000	TRAINS	LOCOMCTIVES - ROAD HAULING	DIESEL (UNSPECIFIED)	EMP-RAIL	0.99516441	1	0.0603	C.0603
2003	850-880-0000-0000 850-880-	000-0000 850-876-1100-0000	CFF-ROAD RECREATIONAL VEHICLES	FOUR-WHEEL DRIVE VEHICLES	GASOLINE (UNSPECIFIED)	REG-4WD	1.059210526	1	0.0009	0.00081
2004		74 050-005-0110-0000	MANUFACTURING AND INDUSTRIAL	BOILERS	NATURAL GAS	SIC_14-i35	1.010544615	1	0.0037	0.0037
2004	1-03-004-02 49	61 099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NCT SPECIFIED	SIC_494+-C7	1	1	0.0004	0.000348
2004	1-03-004-02 97			OTHER	MATERIAL NOT SPECIFIED	FED_MIL-C7	0,869863014	1	0.0028	0.002436
2004	1-03-005-01 9	11 060-005-1220-000	SERVICE AND COMMERCIAL	BOILERS	CISTILLATE CIL (UNSPECIFIED)	FED_MIL-C2	C.815340909	1	0.0001	0.0000976
2004		23 060-005-0110-0000	SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	SIC_91-9705	0.964313725	1	0.0022	0.0022
2004	1-03-006-03 91			BOILERS	NATURAL GAS	FED_MIL-C5	0.876125	1	0.0005	0.0005
2004		11 060-005-0124-0000		BOILERS	PROPANE DIESEL/DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C3	0.884738527		0.0001 0.0557	0.0001 0.0543632
2004			MANUFACTURING AND INDUSTRIAL	I.C. RECIPROCATING ENGINES	MATERIAL NOT SPECIFIED	SIC_14-out FED_MIL-out	1.062117235 0.931382442	1	0.0005	0.000488
2004		11 099-995-0000-0000		OTHER I.C. TURBINE ENGINES	KERCNAPTHA JET FUEL	FED_MIL-out	0.931382442	1	0.000	0.002925
2004		11 060-045-1412-0000		OTHER	MATERIAL NOT SPECIFIED	FED_MIL-i31	0.927310488	1	0.0002	0.0001952
2004	2-02-001-02 97			I.C. TURBINE ENGINES	NATURAL GAS	CATEGORY22	0.794205794		0.0211	0.6209734
2004		31 020-045-0110-0000 32 060-040-1200-0000		I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_50&1-C2	1.01142132	4	0.0002	0.3001952
2004 2004		32 060-040-1200-0000 11 060-040-1200-0000		I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	0.815340909	•	0.0028	0.0027328
2004	2-03-002-01 4	71 060-040-0110-0000		I.C. RECIPROCATING ENGINES	NATURAL GAS	SIC_494+-out	1.068033551	1	0.0028	0.0027632
2004	2-04-001-01 9			I.C. TURBINE ENGINES	JET FUEL (UNSPECIFIED)	FED_MIL-out	0.931382442	1	0.0036	0.0035136
2004	3-05-002-01 21		MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.0997151	1	0.0017	88000.C
2004		41 430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	CATEGORY38	1.117021277	1	0.5758	0.529736
2004	3-05-006-07 33	41 430-429-7016-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	S!C_324-out	1.11713456	1	0.0003	0.000276
2004	3-05-006-05 33	41 430-436-7016-0000	MINERAL PROCESSES	STORAGE PILES	CEMENT	SIC_324-out	1.11713456	1	0.1337	0.123004
2004	3-05-006-09 3	41 430-429-7016-0000		CEMENT (PORTLAND AND CTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.11713456	1	0.0005	0.000552
2004	3-05-006-11 3:	41 430-429-7016-000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.11713456	1	C.0006	0.000552
2004		41 430-429-7016-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.11713456	1	0.0003	0.000276
2004		41 430-429-7016-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.11713456	1	C,9003	0.00015
2004		41 430-429-7023-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.11713456	1	0.1381	0.127052
2004		41 430-436-7023-0000		STORAGE PILES	CLINKER	SIC_324-cut	1.11713456		C.2118	0.194856
2004		41 430-429-7023-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CUNKER	SIC_324-out	1.11713456 1.11713456	1	C.0825	0.0759
2004		41 430-429-7023-0000 41 430-429-7016-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER CEMENT	SIC_324-cut SiC_324-cut	1.11713456	1	0.0569 C.0816	0.052348
2004				CEMENT (PORTLAND AND OTHERS) MANUFACTURING CTHER	SAND/AGGREGATE	SIC_50&1-out	1.158844765	1	0.0032	0.075072 0.0016
2004 2004		32 430-995-7078-000 74 430-995-7064-000		OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.062117235		0.6427	0.32135
2004		430-429-7016-000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.11713456		0.3187	0.15935
2004		74 430-995-7072-0000		OTHER	POTASH	SIC_14-out	1.062117235	4	0.1119	0.05595
2004		41 430-429-7016-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC 324-out	1.11713456	1	0.0332	0.0166
2004		74 430-995-7072-000		OTHER	POTASH	SIC_14-cut	1.062117235	1	0.7627	0.38135
2004		74 430-995-7064-0000		OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC 14-cut	1.062117235	1	2,1177	1.05885
2004		74 430-995-7072-000		OTHER	POTASH	SIC_14-out	1.062117235	1	G.0014	0.0007
2004		74 430-436-7072-0000		STORAGE PILES	POTASH	SIC_14-out	1.062117235	1	0.0365	0.01825
2004	3-05-040-30 1	74 430-995-7072-000		OTHER	POTASH	SIC_14-cut	1.062117235	1	0.015	0.0075
2004	3-05-040-31 1-	74 430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.062117235	1	0.0025	0.00125
2004	3-05-040-32 1	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SiC_14-out	1.062117235	1	0.0185	0.00925
2004		74 430-995-7072-0000		OTHER	POTASH	SIC_14-out	1.062117235	1	0.0023	0.00115
2004		74 430-995-7072-000		OTHER	POTASH	SiC_14-out	1.062117235		0.0028	0.0014
2004		74 050-070-0110-0000		IN-PROCESS FUEL	NATURAL GAS	SIC_14-135	* 1.010544815		0.1208	0.1208
2004		11 130-130-0240-0000		INCINERATION	SOLID WASTE (UNSPECIFIED)	FEC_MiL-out FED_MiL-out	0.931362442 0.931382442	1	0.0003	0,00009 0.0177632
2004 2004		11 099-995-1400-000		OTHER OTHER	JET FUEL (UNSPECIFIED) DISTILLATE OIL (UNSPECIFIED)	SIC_20-39131	1.224434389	1	0.0182	0.0292064
2004		000-0000 050-995-1220-0000		OTHER	NATURAL GAS	CATEGORY33	1.064153954			
2004	420 420 0000 0000 420 420	2000-0000 060-995-0110-000 2000-0000 430-422-7078-009		SAND AND GRAVEL EXCAVATION AND PROCESSING	SAND/AGGREGATE	SIC_14-out	1.062117235	1	0.0208 0.0576	0.0206 0.0288
2004		000-0000 430-424-7006-0000		ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC 29589out	1.0997151	1	0.031	0.0124
2004		0000-0000 430-426-7078-0000		RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PRO		SIC_14-out	1.062117235	-	0.006	0.003
2004		0000-0000 430-430-7018-0000		CEMENT CONCRETE MANUFACTURING AND FABRICATION	CEMENT CONCRETE	SIC 327-out	1.112453532		0.0643	0.003956
2004	440-440-0000-0000 440-440-	2000-0000 440-440-7000-0000		SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_334&Jour	1	1	0.0079	0.00553
2004		0000-0000 610-600-0230-0000		WOOD COMBUSTION - WOOD STOVES	wood '	HOUS_AEO R4	1.005	1	0.1306	0.122111
2004		000-0000 610-602-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES	GCOW	CATEGORY09	1.035992218	1	0.2151	0.2011185
2004		2000-0000 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 610-608-0110-0006		FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.037073171	1	0.0067	0.0067
2004		0000-0000 610-610-0110-0000		FUEL COMBUSTION - COOKING	NATURAL GAS	HOUS_AEC_R3	1.005973081	1	0.0006	0.0006
2004		0000-0000 610-995-0110-0000		CTHER	NATURAL GAS	HOUS_AEO_R3	1.008973081	1	0.0014	0.0014
2004	671-000-0000-0000 611-000-	0000-0000 610-995-0120-0000	RESIDENTIAL FUEL COMBUSTION	OTHER THENSO DOOT	LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEO_R2	0.994047619	1	0.0605	0.0005
2004		0000-0000 620-614-5400-000		TILLING DUST	DUST	CATEGORY12	0.915254237	1	10.0566	4.56871338
2004	520-520-0000-0000 520-520-	000-000 620-615-5400-000	CONSTRUCTION AND DEMOLITION	HARVEST OPERATIONS - DUST	DUST DUST	CATEGORY19 CATEGORY14	0.974541752 1.083489681		2.7309	1.24064767
2004 2004		000-0000 630-622-5400-0000		BUILDING CONSTRUCTION DUST - RESIDENTIAL BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST	CATEGORY15	1.083413231		0.8829 0.3315	0.43200297 0.16220295
2004			CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST	SIC 15-17emp	1.053254438		0.0772	0.03777396
2004			CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SIC_15-17emp	1.053254438	-	0.3657	0.17893701
2004			CONSTRUCTION AND DEMOLITION	RCAD CONSTRUCTION DUST	DUST	SIC_15-17emp	1.053254438	1	2.0739	1.01475927
2004		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-	2000-0000 640-637-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	ON-ROAD_VWT	1.158176944	1	1,6413	0.75040236
2004		0000-0000 640-639-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS	DUST	CN-ROAD_VMT	1.158176944	1	0.2804	0.12819688
2004	640-640-0000-0000 640-640-		PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST	ON-ROAD_VMT	1.158176944	1	0.9218	0.42144696
2004	645-640-0000-0000 645-640-			UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	CATEGORY17	1	1	4.3145	2.56410735
2004	645-640-0000-0000 645-640- 645-640-0000-0000 645-640-	NUN-0000 645-640-5400-0000		UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS	DUST	CATEGORY18	1.038910506	1	4.1211	2.44916973
2004				UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS	DUST	CATEGORY18	1.038910506	1	0.5266	0.31295838
2004 2004	645-650-0000-0000 645-650- 650-650-0000-0000 650-650-	000-0000 040-040-0400-0000 0000.0000 660 660 6400 0000	UNPAVED ROAD DUST FUGITIVE WINDELOWN CUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST DUST	CATEGORY19	0.974541752	1	5.8758	3.49198794
2004	650-650-0000-0000 650-650-			DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS	DUST	CATEGORY20 CATEGORY21	0.952479339	1	10.7492 0.52	4.89336156 0.309036
2004		3000-0000 660-656-0200-0000		STRUCTURAL FIRES	SOLID FUEL (UNSPECIFIED)	HOUSINGUNITS	1.036027264	3		0.309036 0.001666
2004	660-660-0000-0000 660-860-			AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF	1.122974261	3	0.0017 0.0023	0.00225975
2004	670-660-0000-0000 670-680-	000-0000 670-662-0262-0000	WASTE BURNING AND DISPOSAL	AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	i	0.0005	0.00049175
2004	E70-660-0000-0000 670-650-	0000-0000 670-664-0200-0000	WASTE BURNING AND DISPOSAL	RANGE IMPROVEMENT	SOLID FUEL (UNSPECIFIED)	CATEGORY45	0.977642276	i	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	CATEGORY49	1.092678406	1	0.0678	0.04746
2004	810-810-0000-0000 810-810-	0000-0000 810-808-1400-0000	A/RCRAFT	JET AIRGRAFT - MILITARY	JET FUEL (UNSPECIFIED)	FLT-MJET	1.002982107	1	2.8738	2.6048288
2004	920-820-0000-0000 820-820-	000-0000 820-820-1210-000	TRAINS	LCCOMCTIVES - ROAD HAULING	DIESEL (UNSPECIFIED)	EMP-RAIL	0.99516441	1	0.0603	0.0603
2004		000-0000 850-876-1100-000	OFF-ROAD RECREATIONAL VEHICLES	FOUR-WHEEL DRIVE VEHICLES	GASOLINE (UNSPECIFIED)	REG-4WD	1.079887218	1	0.0009	0.00081
2005			MANUFACTURING AND INDUSTRIAL	BOILERS	NATURAL GAS	SIC_14-135	1	1	0.0037	0.0037
2005 2005		61 099-995-0000-0030 11 099-995-0000-0600		OTHER CTHER	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED	SIC_494+-C7	1	1	0.0004	0.000348
2005		11 060-005-1220-000		BOILERS	DISTILLATE CIL (UNSPECIFIED)	FED_MIL-C7 FED_MIL-C2	0.835616438 0.765625	1	0.0027	0.002349
2005		23 060-005-0110-0000		BOILERS	NATURAL GAS	SIC_91-97C5	0.765625 0.975490196	1	0.0001 0.0022	0.0000976 0.0022
2005		11 060-005-0110-0000		BOILERS	NATURAL GAS	FED_MIL-C5	0.844791667	•	0.0025	0.0022

5005	4 02 040 02 0714	060-005-0124-0000	SERVICE AND COMMERCIAL	BOILERS	PROPANE	FED_MIL-C3	0.851654216	1	0.0001 0.0001	
2005 2005	1-03-010-02 9711 2-01-001-02 1474		MANUFACTURING AND INDUSTRIAL	I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_14-cut	1,062117235	1	0.0557 0.0543632	
2005	2-01-001-02 9711	099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED KERONAPTHA JET FUEL	FED_MIL-out FED_MIL-out	0.913218971 0.913218971	1	0.0005 0.000458 0.0032928	
2005	2-01-009-01 9711	060-045-1412-0000	SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	MATERIAL NOT SPECIFIED	FED_MIL-131	0.904465213	-	0.0002 0.0001952	
2005 2005	2-02-001-02 9711 2-02-002-03 4931	099-995-0000-0000 020-045-0110-0000	OTHER (FUEL COMBUSTION) COGENERATION	I.C. TURBINE ENGINES	NATURAL GAS	CATEGORY22	0.824175824	1	0.0219 0.0217686	
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	9.0002 0.0001952	
2005	2-03-001-01 9711	060-040-1200-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE CIL (UNSPECIFIED) NATURAL GAS	FEC_MIL-C2 SIC_494+-cut	0.765625 1.091332712	1	0.0027 0.0026352 0.0029 0.0028826	
2005 2005	2-03-002-01 4971 2-04-001-01 9711	060-040-0110-0000 060-045-1400-0000	SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	JET FJEL (UNSPECIFIED)	FED_MIL-out	0.913218971	1	0.0035 0.003416	
2005	3-05-002-01 2951	430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_29589out	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 1.149080348	1	0.5926 0.545192 0.0003 0.000276	
2005 2005	3-05-006-07 3241 3-05-006-08 3241	430-429-7016-0000 430-436-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING STORAGE PILES	CEMENT	SIC_324-out SIC_324-out	1.149080346	1	0.1375 0.1265	
2005	3-05-056-09 3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.149086346	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	1.149050348	1	0.0007 0.000644 0.0003 0.000276	
2005	3-05-006-12 3241 3-05-006-13 3241	430-429-7016-0000 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out SIC_324-out	1.149080348 1.149980348	7	0.0003 0.00015	
200 5 2005	3-05-006-13 3241 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 0.200465	
2005	3-05-006-16 3241 3-05-006-17 3241	430-429-7023-0000 430-429-7023-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CUNKER	SIC_324-out SIC_324-out	1.149080346 1.149080346	1	0.0849 D.078106 0.0565 0.05382	
2005 2005	3-05-006-17 3241 3-05-006-16 3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.149080348	4	0.0839 0.077188	
2005	3-05-025-03 5032	430-995-707B-000D	MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SIC_5081-out	1.199458484	1	0.0033 0.00165	
2005 2005	3-05-040-01 1474 3-05-040-01 3241	430-995-7064-0000 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER CEMENT (PORTLAND AND OTHERS) MANUFACTURING	NON-METALUC MINERALS (UNSPECIFIED) CEMENT	SIC_14-out SIC_324-out	1.062117235 1.149060348	1	0.6427 0.32135 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 3-05-040-22 1474	430-995-7072-0000 430-995-7064-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER OTHER	POTASH NON-METALLIC MINERALS (UNSPEC:FIED)	SIC_14-out SIC_14-out	1.052117235 1.062117235	1	0.7627 0.38135 2.1177 1.05885	
2005 2005	3-05-040-22 1474 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 3-05-040-31 1474	430-995-7072-0000 430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER OTHER	POTASH POTASH	SIC_14-out SIC_14-out	1.062117235	1	0.015 0.0075 0.0025 0.00125	
2005 2005	3-05-040-31 1474 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 2005	3-05-040-34 1474 3-90-006-89 1474	430-995-7072-0000 050-070-0110-0000	MINERAL PROCESSES MANUFACTURING AND INDUSTRIAL	CTHER IN-PROCESS FUEL	POTASH NATURAL GAS	SIC_14-out SIC 14-135	1.062117235	1	0.0028 0.0014 0.1195 0.1195	
2005	5-01-001-01 9711	130-130-0240-0000	INCINERATORS	INCINERATION	SCLID WASTE (UNSPECIFIED)	FED_MiL-out	0.913218971	4	0.0002 0.06006	
2005	5-01-006-C1 9711	099-995-1400-0000	OTHER (FUEL COMBUSTION)	OTHER	JET FUEL (UNSPECIFIED)	FE0_MIL-out	0.913218971	1	0.0178 0.0173723	
2005	050-995-0000-0000 050-995-0000-060-995-0000-060-995-0000-0000		MANUFACTURING AND INDUSTRIAL	OTHER OTHER	DISTILLATE OIL (UNSPECIFIED) NATURAL GAS	SIC_20-39(31 CATEGORY33	1.098478066	1	0.0302 0.0294752 0.0211 0.0211	
2005 2005	430-420-0000-0000 430-420-0000		SERVICE AND COMMERCIAL MINERAL PROCESSES	SAND AND GRAVEL EXCAVATION AND PROCESSING	SAND/AGGREGATE	SIC_14-out	1.062117235	1	0.0576 0.0283	
2005	430-420-0000-0000 430-420-0000	-0000 430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.0997151	1	0.031 0.0124	
2005	430-430-0000-0000 430-430-0000		MINERAL PROCESSES	RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PRO CEMENT CONCRETE MANUFACTURING AND FABRICATION	D. SAND/AGGREGATE CEMENT CONCRETE	SIC_14-out SIC_327-out	1.062117235 1.125394052	1	0.006 0.003 0.0043 0.003956	
2005 2005	430-430-0000-0000 430-430-0000 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 12003-052	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_AED_R4	1,003	1	0.1302 0.121737	
2005 2005	610-600-0000-0000 510-600-0000 610 610 0000 0000 610 610 0000	-0000 610-602-0230-0000	RESIDENTIAL FUEL COMBUSTION RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES FUEL COMBUSTION - SPACE HEATING	WOOD NATURAL GAS	CATEGORY09 CATEGORY10	1.045719544 0.963265306	1	0.217 0.202895 0.0083 0.0083	
2005	610-610-0000-0000 610-610-0000			FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.045853659	1	0.0068 0.0068	
2005			RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - COOKING	NATURAL GAS	HOUS_AEO_R3	1.007976072	1	0.0006 0.0006	
2005			RESIDENTIAL FUEL COMBUSTION	OTHER OTHER	NATURAL GAS LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEO_R3 HOUS_AEO_R2	1.007976072 0.98015873		0.0014 0.0014 0.0005 0.0005	
2005	611-000-0000-0000 611-000-0000 620-610-0000-0000 620-610-0000		RESIDENTIAL FUEL COMBUSTION FARMING OPERATIONS	TILLING DUST	DUST	CATEGORY12	C.895127119	1	9.8327 4.46699561	
2005	620-620-0000-0000 620-520-0000	0000 620-615-5400-0000	FARMING OPERATIONS	HARVEST OPERATIONS - DUST	DUST	CATEGORY19	0.968431772	1	2.7138 1.23257934	
2005			CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST DUST	CATEGORY14	1.100375235	1	0.8962 0.43851066 0.3366 0.16469838	
2005			CONSTRUCTION AND DEMOLITION CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST	CATEGORY15 SIC_15-17emp	1.099712365 1.06213017B	1	0.0772 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 0.18050277	
2005	630-630-0000-0000 630-630-0000 640-640-0000-0000 640-640-0000		CONSTRUCTION AND DEMOLITION PAVED ROAD DUST	ROAD CONSTRUCTION DUST PAVED ROAD TRAVEL DUST - FREEWAYS	DUST DUST	SIC_15-17emp ON-ROAD_VMT	1.062130178 1.197497766	1	2.0923 1.02376239 0.4721 0.21584412	
2005 2005	640-640-0000-0000 640-640-0000		PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	CN-ROAD VMT	1,197497766	1	1.6973 0.77500556	
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		PAVED ROAD DUST UNPAVED ROAD DUST	PAVED ROAD TRAVEL DUST - LOCAL STREETS UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST DUST	ON-ROAD_VMT CATEGORY17	1.197497766	1	0.9533 0.43584876 4.3145 2.56410735	
2005 2005	645-640-0000-0000 645-640-0000 645-640-0000-0000 645-640-0000		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		UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS	DUST	CATEGORY19	0.968431772	1	5.839 3 4701177	
2005 2005	650-650-0000-0000 650-650-0000 650-650-0000-0000 650-650-0000			DUST FROM AGRICULTURAL LANDS (NON-PASTURE) DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS	DUST DUST	CATEGORY20 CATEGORY21	0.94214976	1	10.6285 4.82852755 0.52 0.309036	
2005	660-660-0000-0000 660-660-0000		FIRES	STRUCTURAL FIRES	SOLID FUEL (UNSPECIFIED)	HOUSINGUNITS	1.044790652	1	C.0018 0.001764	
2005	660-660-0000-0000 660-660-0000	-0000 660-658-0200-0000	FIRES		SOLID FUEL (UNSPECIFIED)	POP-DOF	1.156339371	1	G.0023 0.00225975	
2005 2005	570-650-0000-0000 670-660-0000 670-660-0000-0000 670-660-0000			AGRICULTURAL BURNING - FIELD CROPS RANGE IMPROVEMENT	AGRICULTURAL WASTE SOLID FUEL (UNSPECIFIED)	CATEGORY44 CATEGORY45	1 0.972560976	1	0.0005 0.00049175 0.0003 0.00029475	
2005	690-680-0000-0000 690-680-0000	-0000 690-680-6000-0000	COOKING	COMMERCIAL CHARBROILING	FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY49	1.114921223	1	0.0692 0.04844	
2005	910-610-0000-0000 810-810-0000 820-620-0000-0000 820-820-0000		AIRCRAFT TRAINS	JET AIRCRAFT - MILITARY LOCOMOTIVES - ROAD HAULING	JET FUEL (UNSPECIFIED) DIESEL (UNSPECIFIED)	FLT-MJET EMP-RA/L	1.002982107 0.99516441	1	2.9735 2.6048288 0.0579 0.0579	
2005			OFF-ROAD RECREATIONAL VEHICLES	FOUR-WHEEL DRIVE VEHICLES	GASOLINE (UNSPECIFIED)	REG-4WD	1.10056391	0.96	0.0579 0.0579 0.0579 0.0609	
2006	1-02-006-01 1474	050-005-0110-0000	MANUFACTURING AND INDUSTRIAL	BOILERS	NATURAL GAS	SIC_14-135	0.98657645	1	0.0036 0.0036	
2006	1-03-004-02 4961	099-995-0000-0000		OTHER	MATERIAL NOT SPECIFIED	SIC_494+-C7	1	1	0.0004 0.000348	
2006 2006	1-03-004-02 9711 1-03-005-01 9711	099-995-0000-0000 060-005-1220-0000	OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL	OTHER BOILERS	MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED)	FED_MIL-C7 FED_MIL-C2	0.8 0.71875	1	0.0026 0.002262 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	i	0.0022 E.0022	
2006	1-03-006-03 9711	060-005-0110-0000		BOILERS	NATURAL GAS	FED_MIL-C5	0.811458333	1	0.0095 0.0005	
2006 2006	1-03-010-02 9711 2-01-001-02 1474	060-005-0124-0000 050-040-1200-0000	SERVICE AND COMMERCIAL MANUFACTURING AND INDUSTRIAL	BOILERS I.C. RECIPROCATING ENGINES	PROPANE DIESEL/DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C3 SIC 14-out	0.818569904 1.072615923	1	0.0001 0.0001 0.0563 0.0549488	
2006	2-01-001-02 9711	099-955-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-out	0.895055499	1	0.0005 0.000488	
2006	2-01-009-01 9711 2-02-001-02 9711	060-045-1412-0000 099-995-0000-0000	SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION)	I.C. TURBINE ENGINES OTHER	KERONAPTHA JET FUEL MATERIAL NOT SPECIFIED	FED_MIL-out FED_MIL-131	0.895055499 0.875389408	1	0.0029 0.0028304 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 060-040-1200-0000		I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_50&1-C2	0.994923856	1	0.0002 0.0001952	
2006 2006	2-03-001-01 9711 2-03-002-01 4971	060-040-1200-0000 060-040-0110-0000		LC. RECIPROCATING ENGINES	DIESEL/DISTILLATE CIL (UNSPECIFIED) NATURAL GAS	FED_MiL+C2 SIC_494+-out	0.71575 1.113699907	1	0.0025 0.00244 0.0029 0.0025826	
2006	2-04-001-01 9711	060-045-1400-0000	SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	JET FUEL (UNSPECIFIED)	FEC_MIL-out	0.895055499	1	0.0034 0.0033184	
2006	3-05-002-01 2951	430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION CEMENT (PORTLAND AND OTHERS) MANUFACTURING	ASPHALTIC CONCRETE	SIC_29559out	1.150047483	1	0.0016 0.00072	
2006 2006	3-05-006-06 3241 3-05-006-07 3241	430-429-7016-0000 430-429-7016-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING		CATEGORY38 SIC_324-out	1.181618162 1.181026137	1	0.6089 0.560188 0.0003 0.000276	
2006	3-05-006-08 3241	430-436-7016-0000	MINERAL PROCESSES	STORAGE PILES	CEMENT	SIC_324-out	1.181026137	4	G.1414 0.130068	
2006	3-05-006-09 3241	430-429-7016-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.181026137	1	9.0007 3.000644	
2006 2006	3-05-006-11 3241 3-05-036-12 3241	430-429-7016-0000 430-429-7018-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT CEMENT	SIC_324-out SIC_324-out	1.181026137 1.181026137	1	0.0007 0.000644 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	1.161026137	1	0.0003 0.00015	
2006 2006	3-05-006-14 3241 3-05-006-15 3241	430-429-7023-0000 430-436-7023-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING STORAGE PILES	CLINKER CUNKER	SIC_324-out SIC_324-out	1.181025137 1.181026137	1	0.146 0.13432 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	0.0972 0.080224	
2006	3-05-006-17 3241 3-05-006-18 3241	430-429-7023-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CUNKER	SIC_324-cut	1.181026137	1	0.0602 0.055384	
2006	3-05-006-18 3241	430-429-7016-0000	MINERAL FAULESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.181025137	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			0.0017
2006		1474	430-995-7064-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.072615923			0.3245
2006		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT POTASH	SIC_324-out SIC 14-out	1.181026137 1.072615923			0.16845
2006		1474	430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.181026137			0.0365
2006		3241 1474	430-429-7016-0000 430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.072615923			0.3851
2006 2006		1474	430-995-7064-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.072615923			1.06925
2008		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC 14-out	1.072615923			0.0007
2006		1474	430-436-7072-0000	MINERAL PROCESSES	STORAGE PILES	POTASH	SIC 14-out	1.072615923	1 0		0.01845
2006		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.072615923			0.00755
2006		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.072615923			0.00125
2006	3-05-040-32	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.072615923			0.00935
2006		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH POTASH	SIC_14-out SIC 14-out	1.072615923 1.072615923			0.00115 0.0014
2006		1474	430-995-7072-0000	MINERAL PROCESSES	IN-PROCESS FUEL	NATURAL GAS	SIC_14-607 SIC_14-635	0.98857645			0.0014
2006		1474 9711	130-130-0240-0000	MANUFACTURING AND INDUSTRIAL	INCINERATION	SOLID WASTE (UNSPECIFIED)	FED_MIL-out	0.895055499			0.00006
2006 2006		9711	099-995-1400-0000	OTHER (FUEL COMBUSTION)	OTHER	JET FUEL (UNSPECIFIED)	FED_MIL-out	0.895055499			0.01708
2006	050-995-0000-0000 (050-995-0000-000	0 050-995-1220-0000	MANUFACTURING AND INDUSTRIAL	OTHER	DISTILLATE OIL (UNSPECIFIED)	SIC, 20-39(31	1.336651584			0.0308416
2006			0 060-995-0110-0000	SERVICE AND COMMERCIAL	OTHER	NATURAL GAS	CATEGORY33	1.113697404	1 0	.0214	0.0214
2006			0 430-422-7078-0000	MINERAL PROCESSES	SAND AND GRAVEL EXCAVATION AND PROCESSING	SAND/AGGREGATE	SIC_14-out	1.072615923			0.02905
2006	430-420-0000-0000 4	430-420-0000-000	0 430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.150047483			0.01296
2006		430-430-0000-000	0 430-426-707B-0000		RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD.	SAND/AGGREGATE	SIC_14-out	1.072615923		0.006 1.0044 {	0.003
2006 2006			0 430-430-7018-0000	MINERAL PROCESSES METAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION SECONDARY METAL PRODUCTION	CEMENT CONCRETE MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_327-out SIC_33489out	1.154275093			0.004045
2006			0 610-600-0230-0000		WOOD COMBUSTION - WOOD STOVES	WCOD	HOUS AEO R4	1.003			0.121737
2006			0 610-602-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES	WOOD	CATEGORYOS	1.053501946			.2044845
2006		610-610-0000-000	0 610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - SPACE HEATING	NATURAL GAS	CATEGORY10	0.957142857	1 0	.0082	0.0082
2006			0 610-608-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.054634145			0.0068
2006			C 610-610-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - COOKING	NATURAL GAS	HOUS_AEO_R3	1.010967099		.0006	0.0006
2006			0 610-995-0110-0000	RESIDENTIAL FUEL COMBUSTION	OTHER	NATURAL GAS	HOUS_AED_R3	1.010967099			0.9014
2006 2006			0 610-995-0120-0000 0 620-614-5400-0000	RESIDENTIAL FUEL COMBUSTION FARMING OPERATIONS	OTHER TILLING DUST	LIQUIFIED PETROLEUM GAS (LPG) DUST	HOUS_AED_R2 CATEGORY12	0.968253968 0.872881356			0.0005
2006			0 620-615-5400-0000	FARMING OPERATIONS	HARVEST OPERATIONS - DUST	DUST	CATEGORY19	0.962321792			.35678243 .22511061
2006			0 630-622-5400-0000		BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST	CATEGORY14	1.120075047			.4467309
2006	630-620-0000-0000 6	630-620-0000-000	0 630-624-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST	CATEGORY15	1.119846596			16773204
2006	630-630-0000-0000 6	630-630-0000-000	0 630-626-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST	SIC_15-17emp	1.07495069		.0789 0.	03860577
2006				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SIC_15-17emp	1.07495069			18270462
2006			0 630-634-5400-0000	CONSTRUCTION AND DEMOUTION	ROAD CONSTRUCTION DUST	DUST	SIC_15-17emp	1.07495069			.03619061
2006 2006	640-640-0000-0000 6	640-640-0000-000	0 640-635-5400-0000	PAVED ROAD DUST PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - FREEWAYS PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST DUST	ON-ROAD_VMT	1.243967828			.2242566
2006	640-640-0000-0000 C	640-640-0000-000	0 640-637-5400-0000 0 640-639-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS	DUST	ON-ROAD_VMT	1.243967826 1.243967828			.80636364 .13775436
2006			0 640-641-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST	ON-ROAD VMT	1.243967628			45290232
2006				UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	CATEGORY17	1			.56410735
2006	645-640-0000-0000 6	645-640-0000-000	0 645-640-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS	DUST	CATEGORY16	1.057392996	1 4		49225646
2006			0 645-644-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS	DUST	CATEGORY18	1.057392996			31848537
2006			0 645-646-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS	DUST	CATEGORY19	0.962321792			44830689
2006			0 650-650-5400-0000	FUGITIVE WINDBLOWN DUST	DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST	CATEGORY20	0.931818182			.77364811
2006 2006	650-650-0000-0000 t	650-650-0000-000 660-660-0000-000	0 650-652-5400-0000	FUGITIVE WINDBLOWN DUST FIRES	DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS STRUCTURAL FIRES	DUST SOLID FUEL (UNSPECIFIED)	CATEGORY21 HOUSINGUNITS	1.053554041			0.309036 0.001764
2006	660-660-0000-0000 (660-660-0000-000	0 660-658-0200-0000	FIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF	1.186844614			0.002358
2006			0 670-662-0262-0000	WASTE BURNING AND DISPOSAL	AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1		.0005 0.	.00049175
2006	670-660-0000-000C 6	670-660-0000-000	9 670-664-0200-0000	WASTE BURNING AND DISPOSAL	RANGE IMPROVEMENT	SOLID FUEL (UNSPECIFIED)	CATEGORY45	0.967479675		.0003 0.	00029475
2006				COOKING	COMMERCIAL CHARBROILING	FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY49	1.126969416		0.07	0.049
2006			0 810-808-1400-0000	AIRCRAFT	JET AIRCRAFT - MILITARY	JET FUEL (UNSPECIFIED)	FLT-MJET	1.002982107			2.8048288
2006			0 820-820-1210-0000	TRAINS	LOCOMOTIVES - ROAD HAULING	DIESEL (UNSPECIFIED)	EMP-RAIL	0.99516441			0.0555
2006 2007	1-02-006-01	1474	050 006 0110 0000	DFF-ROAD RECREATIONAL VEHICLES MANUFACTURING AND INDUSTRIAL	FOUR-WHEEL DRIVE VEHICLES BOILERS	GASOLINE (UNSPECIFIED) NATURAL GAS	REG-4WD SIC_14-/35	1.117481203 1.010544815			0.0009
											0.0037 0.000348
2007								4			
2007 2007	1-03-004-02	4961	099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	SIC_494+-C7	1	1 0	.0004 (
2007 2007 2007	1-03-004-02 1-03-004-02				OTHER	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED	SIC_494+-C7 FED_MIL-C7	1 0.801369863	1 C 1 O	.0004 (.0026 (6.002262
2007	1-03-004-02 1-03-004-02	4961 9711	099-995-0000-0000 099-995-0000-0000	OTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION)	OTHER OTHER	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) NATURAL GAS	SIC_494+-C7 FED_MIL-C7 FED_MIL-C2	1	1 0 1 0 1 0	.0004 0 .0026 0 .0001 0	0.002262 0.0000976
2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-005-01 1-03-006-02 1-03-006-03	4961 9711 9711 9223 9711	599-995-0000-0000 099-995-0000-0000 050-005-1220-0000 060-005-0110-0000 060-005-0110-0000	OTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	OTHER OTHER BOILERS BOILERS BOILERS BOILERS	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) NATURAL GAS NATURAL GAS	SIC_494+-C7 FED_MIL-C7 FED_MIL-C2 SIC_91-97C5 FEC_MIL-C5	1 0.801369863 0.707396364 0.962745098 0.815625	1 0 1 0 1 0 1 0 1 0	0004 0 0026 0 0001 0 0022 0005	0.002262 0.0000976 0.0022 0.0005
2007 2007 2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-005-01 1-03-006-02 1-03-006-03 1-03-010-02	4961 9711 9711 9223 9711 9711	099-995-0000-0000 099-995-0000-0000 005-005-1220-0000 005-005-0110-0000 005-005-0110-0000 005-005-0124-0000	OTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	OTHER OTHER BOILERS BOILERS BOILERS BOILERS	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) NATURAL GAS NATURAL GAS PROPANE	SIC_494+-C7 FED_MIL-C7 FED_MIL-C2 SIC_91-97C5 FED_MIL-C5 FED_MIL-C3	1 0.801369863 0.707396364 0.9632745098 0.815625 0.823906683	1 0 1 0 1 0 1 0 1 0 1 0	L0004 (L0026 (L0021 () L0022 L0005 L0001	6.002262 0.0000976 0.0022 0.0005 0.0001
2007 2007 2007 2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-035-01 1-03-006-02 1-03-006-03 1-03-040-02 2-01-001-02	4961 9711 9223 9711 9711 9711 1474	099-995-0000-0000 099-995-0000-0000 060-005-1220-0000 060-005-0110-0000 060-005-0110-0000 060-005-0124-0000 050-040-1200-0000	OTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL MANUFACTURING AND INDUSTRIAL	OTHER OTHER BOILERS BOILERS BOILERS BOILERS I.C. RECPROCATING ENGINES	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE OIL (UNSPECIFIED) NATURAL GAS NATURAL GAS PROPANE DIESE/JOISTILLATE OIL (UNSPECIFIED)	SIC_394+-C7 FED_MIL-C7 FED_MIL-C2 SIC_91-97C5 FED_MIL-C5 FED_MIL-C3 SIC_14-cut	1 2.801369863 2.7073695364 2.962745098 0.815625 0.823966683 1.104111366	1 0 1 0 1 0 1 0 1 0 1 0 1 0	L0004 (L0026 (L0001 () L0002 (L0005 (L0001 () L0579 ()	0.002262 0.0000976 0.0022 0.0005 0.0001 0.0565104
2007 2007 2007 2007 2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-005-01 1-03-006-03 1-03-006-03 1-03-010-02 2-01-001-02 2-01-001-02	4961 9711 9223 9711 9711 9711 1474 9711	599-995-0000-0000 099-995-0000-0000 050-605-1220-0000 060-005-0110-0000 060-005-0110-0000 050-005-0124-0000 050-040-1200-0000 099-995-0000-0000	OTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) BERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL MANUFACTURING AND INDUSTRIAL OTHER (FUEL COMBUSTION)	OTHER OTHER BOILERS BOILERS BOILERS BOILERS I.C. RECIPACCATING ENGINES OTHER	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) NATURAL GAS PROPANE DIESEL/JOISTILLATE OIL (UNSPECIFIED) MATERIAL NOT SPECIFIED	SIC_394+-C7 FED_MIL-C7 FED_MIL-C2 SIC_91-97C5 FED_MIL-C5 FED_MIL-C3 SIC_14-out FED_MIL-cat	1 0.801369863 0.707396564 0.962745098 0.815625 0.823906683 1.104111986 0.916246216	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	L0004 (L0026 (L0001 (L0002 L0005 (L0001 (L0579 () L0005 ()	0.002262 0.0000976 0.0022 0.0005 0.0001 0.0565104 0.005458
2007 2007 2007 2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-035-01 1-03-006-02 1-03-006-03 1-03-040-02 2-01-001-02	4961 9711 9223 9711 9711 9711 1474	099-995-0000-0000 099-995-0000-0000 060-005-1220-0000 060-005-0110-0000 060-005-0110-0000 060-005-0124-0000 050-040-1200-0000	OTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL MANUFACTURING AND INDUSTRIAL	OTHER OTHER BOILERS BOILERS BOILERS BOILERS I.C. RECPROCATING ENGINES	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE OIL (UNSPECIFIED) NATURAL GAS NATURAL GAS PROPANE DIESE/JOISTILLATE OIL (UNSPECIFIED)	SIC_34+-C7 FED_MIL-C7 FED_MIL-C2 SIC_91-87C5 FED_MIL-C5 FED_MIL-C3 SIC_14-ct FED_MIL-cut FED_MIL-cut FED_MIL-cut	1 0.801369863 0.707398564 0.962745098 0.815625 0.829906683 1.104111086 0.916246216 0.916246216	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	0004 (0 0026 (0 0001 (0 0002 0005 (0 0001 (0 0005 (0 0005 (0 0005 (0	0.002262 0.0000976 0.0022 0.0005 0.0001 0.0565104
2007 2007 2007 2007 2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-005-01 1-03-006-02 1-03-006-03 1-03-010-02 2-01-001-02 2-01-001-02 2-01-009-01	4961 9711 9223 9711 9711 1474 9711 9711 9711 9711	(99-995-0000-0000 (99-995-0000-0000 (90-005-1220-0000 (90-005-0110-0000 (90-005-0110-0000 (90-005-0124-0000 (90-905-0000-0000 (93-995-0000-0000 (93-995-0000-0000 (93-995-0000-0000) (93-995-0000) (93-995-0000-0000) (93-90000) (93-9000-0000) (93-9000-0000) (93-900000) (93-90000) (93-90000) (93-900000) (93-90000) (93-90000) (93-90000) (93-90000) (93-90000) (93-90000) (93-900000) (93-90000) (93-90000) (93-90000) (93-90000) (93-9000000) (93-90000) (93-900000) (93-900000) (93-90000) (93-900000) (9	OTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL MANUFACTURING AND (NDUSTRAL OTHER (FUEL COMBUSTION) SERVICE AND COMBUSTION)	OTHER OTHER BOILERS BOILERS BOILERS BOILERS BOILERS COLERS COLERS COTHER L.C. TURBINE ENGINES	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) NATURAL GAS PROPANE DIESELJOISTILLATE OLI (UNSPECIFIED) MATERIAL NOT SPECIFIED KERONAPTHA JUET FUEL	SIC_394+-C7 FED_MIL-C7 FED_MIL-C2 SIC_91-97C5 FED_MIL-C5 FED_MIL-C3 SIC_14-out FED_MIL-cat	1 0.801369863 0.707396564 0.962745098 0.815625 0.823906683 1.104111986 0.916246216		10004 () 10026 () 10027 () 10022 () 10005 () 10005 () 10005 () 10005 () 10005 () 10003 () 10002 ()	0.002262 0.0000976 0.00022 0.0005 0.0001 0.0565104 0.000486 0.002928 0.0001952
2007 2007 2007 2007 2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-005-01 1-03-006-02 1-03-006-02 2-01-001-02 2-01-001-02 2-01-001-02 2-01-002-01 2-02-001-02 2-02-003 2-03-001-01	4961 9711 9223 9711 1474 9711 9711 9711 9711 9711 4931 5032	(98-995-0000-0000 (99-995-0000-0000 (950-005-1220-0000 (950-005-1220-0000 (950-005-1220-0000 (950-005-124-0000 (950-005-124-0000 (950-995-0000-0000 (950-995-0000-0000 (920-045-0110-0000 (920-045-0110-0000 (930-041-1200-0000)	CTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL OTHER AND COMMERCIAL SERVICE AND COMMERCIAL	OTHER OTHER BOILERS BOILERS BOILERS I.C. RECIPACCATING ENGINES I.C. RECIPACCATING ENGINES C. TURBINE ENGINES OTHER I.C. TURBINE ENGINES I.C. RECIPACCATING ENGINES	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) NATURAL GAS PROPANE DISSEL/DISTILLATE CIL (UNSPECIFIED) MATERIAL NOT SPECIFIED KERONAPTHA JET FUEL MATERIAL NOT SPECIFIED DISSEL/DISTILLATE CIL (UNSPECIFIED)	SIC_54+-C7 FED_MIL-C7 FED_MIL-C2 SIC_91-97C5 FED_MIL-C3 SIC_14-out FED_MIL-03 FED_MIL-04 FED_MIL-04 FED_MIL-04 FED_MIL-04 SIC_5041-C2	1 2,8013696963 2,707396564 0,0652745099 0,016525 2,82396688 1,10411368 0,916246216 0,916246216 0,916246216 0,916246216 0,984735202 0,966130669 0,96233605		10004 0 10026 0 10027 0 10028 0 10029 0 10001 0 10579 0 10579 0 10005 0 10003 0 10002 0 10002 0	0.002262 0.0000976 0.0005 0.0005 0.0001 0.0065104 0.000456 0.002928 0.002928 0.002952 0.0229614 0.0001952
2007 2007 2007 2007 2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-005-01 1-03-005-01 1-03-006-03 1-03-010-02 2-01-001-02 2-01-001-02 2-01-001-02 2-02-001-02 2-02-001-02 2-03-001-01 2-03-001-01	4961 9711 9723 9711 9711 9711 9711 9711 9711 9711 971	(59-995-0000-0000 (59-995-0000-0000 (59-005-1120-0000 (50-005-1120-0000 (50-005-0110-0000 (50-005-0124-0000 (50-040-120-0000 (50-045-1412-0000 (50-045-1412-0000 (50-045-1110-0000 (50-040-1200-0000 (50-040-1200-0000	CTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION) COGENERATION SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	OTHER OTHER BOILERS BOILERS BOILERS BOILERS BOILERS BOILERS CREERCATING ENGINES OTHER L.C. TURBINE ENGINES OTHER L.C. TREIPROCATING ENGINES L.C. RECIPROCATING ENGINES L.C. RECIPROCATING ENGINES	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) NATURAL GAS MATURAL GAS DIESEL/DISTILLATE DI. (UNSPECIFIED) MATERIAL NOT SPECIFIED) MATERIAL NOT SPECIFIED NATURAL NOT SPECIFIED NATURAL AND TSPECIFIED) DIESEL/DISTILLATE DI. (UNSPECIFIED) DIESEL/DISTILLATE DI. (UNSPECIFIED)	SIC_394+C7 FED_MIL-C7 FED_MIL-C2 SIC_31-37C5 FED_MIL-C3 SIC_14-out FED_MIL-cat FED_MIL-cat FED_MIL-cat FED_MIL-131 CATEGORY22 SIC_50&1-C2 FED_MIL-C2	1 2.8313699853 3.707398584 0.962743509 0.815625 0.82396683 1.104111988 0.316242216 0.316242216 0.316242216 0.384735202 0.368710689 0.362233903 0.707398584		10004 0 10026 0 10021 0 10022 0 10005 0 10005 0 10005 0 10005 0 10005 0 10001 0 10002 0 10003 0 10002 0 10231 0 10202 0 10203 0	6.002262 0.0005 0.0022 0.0005 0.0005 0.0001 0.00466 0.002928 0.002928 0.002928 0.002952 0.0229614 0.0021952 0.002952
2007 2007 2007 2007 2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-005-01 1-03-005-05 1-03-006-03 1-03-006-03 1-03-010-02 2-01-001-02 2-01-001-02 2-01-001-02 2-02-002-03 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01	4961 9711 9223 9711 9711 9711 9711 9711 9711 9711 971	(59-995-0000-0000 (59-995-0000-0000 (59-905-0000-0000 (59-005-1220-0000 (59-005-114-0000 (59-005-124-0000 (59-040-120-0000 (59-995-0000-0000 (59-995-0000-0000 (22-045-0110-0000 (59-040-1200-0000 (59-040-1200-0000 (59-040-1210-0000 (59-040-1210-0000 (59-040-1210-0000	CTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	OTHER OTHER BOILERS BOILERS BOILERS BOILERS I.C. RECIPACCATING ENGINES OTHER L.C. TURBINE ENGINES C. TURBINE ENGINES I.C. RECIPROCATING ENGINES L.C. RECIPROCATING ENGINES L.C. RECIPROCATING ENGINES	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) NATURAL GAS POPDANE DIESELJDISTILLATE CIL (UNSPECIFIED) MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DIESELJDISTILLATE CIL (UNSPECIFIED) DIESELJDISTILLATE CIL (UNSPECIFIED) NATURAL GAS	SIC_524-C7 FED_MIL-C7 FED_MIL-C2 SIC_91-37C5 FED_MIL-C5 FED_MIL-C5 SIC_14-aut FED_MIL-aut FED_MIL-aut FED_MIL-aut FED_MIL-31 CATEGORY22 SIC_534-cut	1 2.501360963 2.707396364 0.65274509 0.815625 2.823905683 1.06111366 0.9424216 0.9424216 0.94242216 0.94242216 0.94642360 0.94242216 0.94642360 0.94642360 0.962423903 0.707385364 1.35695668		10004 0 10026 0 10021 0 10022 0 10001 0 10001 0 10001 0 10001 0 10002 0 10002 0 10002 0 10002 0 10002 0 10002 0 10002 0 10002 0 10003 0	6.002262 0.000976 0.0022 0.0005 0.0001 0.000466 0.002928 0.0001952 0.0029614 0.0001952 0.0029614 0.0001952 0.002962
2007 2007 2007 2007 2007 2007 2007 2007	1-03-004-02 1-03-004-02 1-03-008-01 1-03-008-02 1-03-008-02 2-01-001-02 2-01-001-02 2-01-001-02 2-01-009-01 2-02-009-01 2-02-009-01 2-02-000-01 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01	4961 9711 9223 9711 9711 1474 9711 9711 9711 9711 9711	(59-995-0000-0000 (59-995-0000-0000 (59-005-1220-0000 (50-005-1220-0000 (50-005-110-0000 (50-004-110-0000 (50-004-124-0000 (50-004-124-0000 (50-004-51410-0000 (50-004-51410-0000 (50-004-0110-0000 (50-004-1400-0000	CTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION) COGENERATION SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	OTHER OTHER BOILERS BOILERS BOILERS BOILERS BOILERS COTHER LC. TURBINE ENGINES I.C. RECIPROCATING ENGINES I.C. RECIPROCATING ENGINES LC. RECIPROCATING ENGINES LC. RECIPROCATING ENGINES LC. RECIPROCATING ENGINES LC. RECIPROCATING ENGINES LC. RECIPROCATING ENGINES	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) NATURAL GAS PROPANE DIESEL/DISTILLATE CIL (UNSPECIFIED) MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED NATURAL GAS DIESEL/DISTILLATE CIL (UNSPECIFIED) DISSEL/DISTILLATE CIL (UNSPECIFIED)	SIC_294+C7 FED_MIL-C7 FED_MIL-C7 SIC_91-D1C7 FED_MIL-C3 SIC_91-D1C3 FED_MIL-C3 FED_MIL-C3 FED_MIL-C3 FED_MIL-C3 SIC_904+C2 SIC_904+C	1 2.8013690933 3.707399584 0.962745098 0.815625 2.823996643 1.104111088 0.916248216 0.916248216 0.9684735202 0.9684736203 0.962233933 0.707368584 1.136699088 3.956248216		10004 0 10026 0 10001 0 10001 0 10005 0 10005 0 10005 0 10005 0 10005 0 10005 0 10002 0 10002 0 10002 0 10002 0 10002 0 10002 0 10003 0 10003 0 10003 0 10003 0	6.002262 9.0000976 0.0022 0.0005 0.0001 0.0005 0.000466 0.002928 0.002928 0.002952 0.0029514 0.001952 0.002961 0.001952 0.002962 0.00244 0.002962 0.00244
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2017012 201700	1-03-024-02 1-03-024-02 1-03-026-02 1-03-006-02 1-03-006-02 2-01-001-02 2-01-001-02 2-01-001-02 2-01-001-02 2-02-001-02 2-02-001-02 2-02-001-02 2-02-001-02 2-02-001-02 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01 2-03-002-01 3-05-006-02 3-05-006-12 3-05-006-13 3-05-000-13 3-05-000-24 3-05-002-25 3-05-		(59-995-000-0000 (59-995-000-0000 (59-95-000-0000 (59-95-000-0000 (59-95-000-0000 (59-95-000-0000 (50-005-110-0000 (50-005-110-0000 (50-005-110-0000 (50-005-110-0000 (50-005-0110-0000 (50-005-0110-0000 (50-005-0110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-947-110-0000 (50-947-10	CTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL MINERAL PROCESSES MINERAL PROC	OTHER OTHER BOILERS BOILERS BOILERS BOILERS BOILERS COLERS	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTLLATE CIL (UNSPECIFIED) MATURAL GAS PROPANE DISSELJOISTILLATE CIL (UNSPECIFIED) MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED MATURAL GAS DISSELJOISTILLATE OL (UNSPECIFIED) DISSELJOISTILLATE OL (UNSPECIFIED) DISSELJOISTILLATE OL (UNSPECIFIED) DISSELJOISTILLATE OL (UNSPECIFIED) DISSELJOISTILLATE OL (UNSPECIFIED) DISSELJOISTILLATE OL (UNSPECIFIED) DISSELDISTILLATE OL (UNSPECIFIED) AATURAL GAS JET FUEL (UNSPECIFIED) CEMENT CEMENT CEMENT CEMENT CEMENT CEMENT CEMENT CEMENT CLINKER CLINKER CLINKER CLINKER CLINKER CLINKER SANDAGGEGGATE NOM-METALLIC MINERALS (UNSPECIFIED) POTASH POTA	SIC 224-oct FED_MIL-C7 FED_MIL-C7 FED_MIL-C7 FED_MIL-C7 FED_MIL-C7 FED_MIL-C3 SIC 14-oct FED_MIL-C3 SIC 14-oct FED_MIL-C3 SIC 14-oct FED_MIL-C3 SIC 24-oct SIC 244-oct SIC 224-oct SIC 24-oct SIC 14-oct SIC 14-oct	1 2.501360663 2.777366364 0.662745098 0.616275 0.262745098 0.616275 0.262745098 0.616275 0.2624216 0.864755022 0.864705699 0.96224216 0.96224216 1.150674734 1.191674734 1.00111986 1.00111986 1		0.0024 C 0.0026 C 0.0027 C 0.0028 C 0.0021 C 0.0021 C 0.0021 C 0.0021 C 0.0021 C 0.0031 C 0.0033 C 0.0033 C 0.0033 C 0.0035 C 0.0035 C 0.0035 C 0.0036 C 0.0037 C 0.0038 C 0.0039 C 0.0031 C 0.0032 C 0.0034 C 0.0035 C 0.0036 C 0.0037 C 0.0038 C 0.0039 C 0.0039 C 0.0039 C 0.0039 C 0.0341 C 0.0352 C <td>0.002282 0.00027 0.0022 0.0002 0.0005 0.0002 0.0005 0.0001 0.0005 0.0001 0.000485 0.002485 0.002952 0.002952 0.002952 0.002952 0.002952 0.002952 0.002952 0.002952 0.00276 0.00072 0.00044 0.00075 0.000564 0.00075 0.005564 0.0075 0.00556 0.0075 0.00556 0.00556 0.0075 0.00556 0.00</td>	0.002282 0.00027 0.0022 0.0002 0.0005 0.0002 0.0005 0.0001 0.0005 0.0001 0.000485 0.002485 0.002952 0.002952 0.002952 0.002952 0.002952 0.002952 0.002952 0.002952 0.00276 0.00072 0.00044 0.00075 0.000564 0.00075 0.005564 0.0075 0.00556 0.0075 0.00556 0.00556 0.0075 0.00556 0.00
200702 200700000000	1-03-024-02 1-03-024-02 1-03-026-02 1-03-026-02 1-03-026-02 2-01-001-02 2-01-001-02 2-01-001-02 2-01-001-02 2-02-001-02 2-02-001-02 2-02-001-02 2-02-001-02 2-02-001-02 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01 2-03-001-01 2-03-002-01 3-05-006-02 3-05-006-13 3-05-000-13 3-05-000-23 3-05-000-23 3-05-000-24 3-05-000-24 3-05-000-24 3-05-000-24 3-05-000-24 3-05-000-24 3-05-000-24 3-05-000-24 3-05-000-24 3-05-000-24 3-05-000-26 3-05-000-24 3-05-		(59-995-000-0000 (59-995-000-0000 (59-95-000-0000 (59-95-000-0000 (59-95-000-0000 (59-95-000-0000 (50-005-110-0000 (50-005-110-0000 (50-005-110-0000 (50-005-110-0000 (50-005-0110-0000 (50-005-0110-0000 (50-005-0110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-045-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-047-110-0000 (50-947-110-0000 (50-947-10	CTHER (FUEL COMBUSTION) OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL OTHER (FUEL COMBUSTION) COGENERATION SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL MINERAL PROCESSES MINERAL PROCES	OTHER OTHER BOILERS BOILERS BOILERS BOILERS BOILERS COLERS I.C. RECIPROCATING ENGINES OTHER I.C. TURBINE ENGINES I.C. RECIPROCATING ENGINES I.C. TURBINE ENGINES I.C. TURBINE ENGINES STORAGE PILES COMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING OTHER OTHER OTHER OTHER OTHER OTHER OTHER OTHER CEMENT (PORTLAND AND PROCESSING ASPHALIC CONCRETE FROULD AND PROCESSING ASPHALIC CONCRETE FROULD AND PROCESS	MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED DISTILLATE CIL (UNSPECIFIED) MATURAL GAS PROPANE DISELIDISTILLATE CIL (UNSPECIFIED) MATERIAL NOT SPECIFIED MATERIAL NOT SPECIFIED MATURAL GAS DISELIDISTILLATE CIL (UNSPECIFIED) DISELIDISTILLATE CIL (UNSPECIFIED) DISELIDISTILLATE CIL (UNSPECIFIED) DISELIDISTILLATE CIL (UNSPECIFIED) DISELIDISTILLATE CIL (UNSPECIFIED) AATURAL GAS JET FUEL (UNSPECIFIED) ASPHALTIC CONCRETE CEMENT CEMENT CEMENT CEMENT CEMENT CEMENT CEMENT CUNKER CLINK	SIC_254-c7 FED_MIL-C7 FED_MIL-C7 FED_MIL-C7 FED_MIL-C7 FED_MIL-C3 SIC_914-c0 FED_MIL-C3 SIC_94-c0 FED_MIL-C3 SIC_94-c0 FED_MIL-C3 SIC_94-c0 FED_MIL-C3 SIC_94-c0 FED_MIL-C3 SIC_94-c0 FED_MIL-C3 SIC_924-c0 SIC_94-c0 SIC	1 2.501360963 2.707396364 0.815625 0.815625 0.215625 0.215245216 0.94542516 0.94542516 0.94542516 0.94542516 0.94542516 0.94542516 0.94542516 0.94542516 1.15654734 1.191674734 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.91674745 1.916		0.0024 C 0.0026 C 0.0027 C 0.0028 C 0.0021 C 0.0021 C 0.0021 C 0.0021 C 0.0021 C 0.0031 C 0.0033 C 0.0033 C 0.0033 C 0.0035 C 0.0035 C 0.0035 C 0.0036 C 0.0037 C 0.0038 C 0.0039 C 0.0031 C 0.0032 C 0.0034 C 0.0035 C 0.0036 C 0.0037 C 0.0038 C 0.0039 C 0.0039 C 0.0039 C 0.0039 C 0.0341 C 0.0352 C <td>0.002262 0.002262 0.0022 0.0027 0.0022 0.0005 0.0001 0.00048 0.002480 0.002480 0.002480 0.002480 0.002982 0.002982 0.002982 0.002982 0.002982 0.002480 0.00072 0.85854 0.00072 0.003416 0.00072 0.005844 0.00056 0.00056 0.005864 0.00056 0.005864 0.00056 0.005864 0.00056 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00075 0.035865 0.058954 0.00778 0.00778 0.0078 0.00778 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0078 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0075 0.0077 0.0075 0.0077 0.0075 0.0077 0.0075 0.007</td>	0.002262 0.002262 0.0022 0.0027 0.0022 0.0005 0.0001 0.00048 0.002480 0.002480 0.002480 0.002480 0.002982 0.002982 0.002982 0.002982 0.002982 0.002480 0.00072 0.85854 0.00072 0.003416 0.00072 0.005844 0.00056 0.00056 0.005864 0.00056 0.005864 0.00056 0.005864 0.00056 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00058 0.005864 0.00075 0.035865 0.058954 0.00778 0.00778 0.0078 0.00778 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0078 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0078 0.0077 0.0075 0.0077 0.0075 0.0077 0.0075 0.0077 0.0075 0.007

2007	440-440-0000-0000 4	440-440-0000-000	00 440-440-7000-0000	METAL PROCESSES	SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_334&9out	1	1	0.0079 0.00553
2007			00 610-600-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOOD STOVES	WOOD	HOUS_AEO_R4	1.003	1	0.1302 0.121737
2007	610-600-0000-0000 6	510-600-0000-000	00 610-602-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES	WOOD	CATEGORY09	1.061284047	1	0.2203 0.2059805
2007			00 610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - SPACE HEATING FUEL COMBUSTION - WATER HEATING	NATURAL GAS NATURAL GAS	CATEGORY10 CATEGORY11	0.951020408 1.063414634		0.0082 0.0082 0.0069 0.0069
2007 2007			00 610-610-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - COOKING	NATURAL GAS	HOUS AEO R3	1.014955135	1	0.0006 0.0006
2007			00 610-995-0110-0000	RESIDENTIAL FUEL COMBUSTION	OTHER	NATURAL GAS	HOUS AEC R3	1.014955135	1	3.0014 0.0014
2007			00 610-995-0120-0000	RESIDENTIAL FUEL COMBUSTION	OTHER	LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEC_R2	C.96031746	1	0.0005 0.0005
2007			00 620-614-5400-0000	FARMING OPERATIONS	TILLING DUST	DUST	CATEGORY12	0,648516949	1	9.3289 4.23811927
2007			00 620-615-5400-0000	FARMING OPERATIONS	HARVEST OPERATIONS - DUST	DUST	CATEGORY19	0.956211813	1	2.6797 1.21738771
2007				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST	CATEGORY14	1.130393996	1	0.9211 C.45069423
2007 2007				CONSTRUCTION AND DEMOLITION CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST DUST	CATEGORY15 SIC 15-17emp	1,129434324 1.07495069	1	0.3458 C.16919994 0.0789 C.03860577
2007				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SIC_15-17emp	1.07495069	1	0.3734 0.18270462
2007				CONSTRUCTION AND DEMOLITION	ROAD CONSTRUCTION DUST	DUST	SIC_15-17emp	1,07495069	1	2.1179 1.03628647
2007			00 640-635-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - FREEWAYS	DUST	ON-ROAD_VMT	1.291331546	1	0.509 0.2327148
2007			0 640-637-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	ON-ROAD_VMT	1.291331546	1	1.8301 0.83672172
2007			00 640-639-5400-0000	PAVED ROAD DUST PAVED BOAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS	DUST DUST	ON-ROAD_VMT ON-ROAD_VMT	1.291331546	1	0.3127 0.14296644
2007 2007			00 640-641-5400-0000 00 645-638-5400-0000	UNPAVED ROAD DUST	PAVED ROAD TRAVEL DUST - LOCAL STREETS UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	CATEGORY17	1.291331546	1	1.0278 0.46991016 4.3145 2.56410735
2007	645-640-0000-0000 f	645-640-0000-000	00 645-640-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS	DUST	CATEGORY18	1.065175097	\$	4.2261 2.51157123
2007	645-640-0000-0000 6	645-640-0000-000	00 645-644-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS	DUST	CATEGORY18	1.065175097	1	0.54 0.320922
2007			00 645-646-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS	DUST	CATEGORY19	0.956211813	1	5.7655 3.42643665
2007			00 650-650-5400-0000	FUGITIVE WINDBLOWN DUST	DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST	CATEGORY20	0.920454545	4	10.3669 4.71876867
2007 2007			00 650-652-5400-0000	FUGITIVE WINDBLOWN DUST	DUST FROM UNFAVED ROADS AND ASSOCIATED AREAS STRUCTURAL FIRES	DUST SOLID FUEL (UNSPECIFIED)	CATEGORY21 HOUSINGUNITS	1.062317429		0.52 0.309036 0.0018 0.001764
2007			0 660-658-0200-0000	FIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF	1.216396568	-	0.0024 0.002358
2007	670-660-0000-0000 6	570-660-0000-000	00 670-662-0262-0000	WASTE BURNING AND DISPOSAL	AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	1	0.0005 0.00049175
2007			00 670-664-0200-0000	WASTE BURNING AND DISPOSAL	RANGE IMPROVEMENT	SOLID FUEL (UNSPECIFIED)	CATEGORY45	0.962398374	1	0.0003 0.00029475
2007 2007			00 690-550-6000-0000 00 810-608-1400-0000	COOKING AIRCRAFT	COMMERCIAL CHARBROILING JET AIRCRAFT - MILITARY	FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED JET FUEL (UNSPECIFIED)	CATEGORY49 FLT-MJET	1.144578313 1.002982107		0.071 0.0497 2.8738 2.8046268
2007			00 810-608-1400-0000	TRAINS	LOCOMOTIVES - ROAD HAULING	DIESEL (UNSPECIFIED)	EMP-RAIL	1.002982107 0.99516441	0.89	2.8738 2.8046288 0.0537 0.0537
2007				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	050-005-0110-0000	MANUFACTURING AND INDUSTRIAL	BOILERS	NATURAL GAS	SIC_14-(35	1.010544815	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 0.000346
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 2008	1-03-005-01 1-03-006-02	9711 9223	060-005-1220-0000 060-005-0110-0000	SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	BOILERS BOILERS	DISTILLATE OIL (UNSPECIFIED) NATURAL GAS	FED_MiL-C2 SIC 91-97C5	0.701704545 0.961764706		0.0001 0.0000976 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	-	0.0005 0.0005
2006	1-03-010-02	9711	060-005-0124-0000	SERVICE AND COMMERCIAL	BOILERS	PROPANE	FED_MIL-C3	C.630309498	1	0.0001 0.0001
2008	2-01-001-02	1474			I.C. RECIPROCATING ENGINES	DIESEL/DIST/LLATE O/L (UNSPECIFIED)	SIC_14-out	1.125109361	1	0.059 0.057584
2008	2-01-001-02	9711 9711	099-995-0000-0000 060-045-1412-0000	OTHER (FUEL COMBUSTION) SERVICE AND COMMERCIAL	OTHER I.C. TURBINE ENGINES	MATERIAL NOT SPECIFIED KERONAPTHA JET FUEL	FED_MiL-out	0.937436932 0.937436932	1	0.0005 0.000488
2008 2008	2-01-009-01 2-02-001-02	9711 9711	099-995-0000-0000	OTHER (FUEL COMBUSTION)	SC. TURBINE ENGINES	MATERIAL NOT SPECIFIED	FED_MiL-out FED_MIL-IS1	0.897196262		0.003 0.002928 0.0002 0.0001952
2008	2-02-007-02	4931	020-045-0110-0000	COGENERATION	C. TURBINE ENGINES	NATURAL GAS	CATEGORY22	0.845154845	-	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_50&1-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	DIESEUDISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	C.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+-cut	1.159366263	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-cut	0.937436932	1	0.0036 0.0035136
2008 2008	3-05-002-01 3-05-006-06	2951 3241	430-424-7006-0000 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION CEMENT (PORTLAND AND OTHERS) MANUFACTURING	ASPHALTIC CONCRETE CEMENT	SIC_295&9out CATEGORY38	1.199430199 1.214700193	1	0.0019 0.00076 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	ł	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	CEMEN7	SIC_324-out	1.212971926	1	0.0007 0.000644
2005 2008	3-05-006-12 3-05-006-13	3241 3241	430-429-7016-0000 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT CEMENT	SIC_324-out SIC_324-out	1.212971926 1.212971926	1	0.0003 0.000276 0.0003 0.00015
2008	3-05-006-14	3241	430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND CTHERS) 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	CUNKER	SIC_324-out	1.212971926	1	0.0618 0.056856
2008 2008	3-05-006-18 3-05-025-03	3241 5032	430-429-7016-0000 430-995-7078-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND CTHERS) MANUFACTURING OTHER	CEMENT SAND/AGGREGATE	SIC_324-out SIC_50&1-out	1.212971926 1.314981949	1	0.0856 0.081512 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	0.0036 0.0018
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 C.05925
2008	3-05-040-20	3241 1474	430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SiC_324-out	1.212971926	1	0.036 0.018
2008 2008	3-05-040-21 3-05-040-22	1474	430-995-7072-0000 430-995-7064-0000	MINERAL PROCESSES	OTHER OTHER	PCTASH NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out SIC_14-out	1.125109361 1.125109361	1	0.8076 0.4035 2.2423 1.12115
2008	3-05-040-24	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.125109361	ł	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 C.00795
2008	3-05-040-31	1474	430-595-7072-0000	MINERAL PROCESSES	OTHER	FOTASH	SiC_14-out	1.125109361	1	0.0026 0.0013
2008 2008	3-05-040-32 3-05-040-33	1474 1474	430-995-7072-0000 430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER OTHER	POTASH POTASH	SIC_14-out SIC 14-out	1.125109361 1.125109361	1	0.0196 0.0098
2008	3-05-040-34	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.125109361	1	0.0024 0.0012 0.0029 0.00145
2008	3-90-006-89	1474	050-070-0110-0000	MANUFACTURING AND INDUSTRIAL	IN-PROCESS FUEL	NATURAL GAS	SIC_14-135	1.010544815	1	0.1209 0.1208
2008	5-01-001-01	9711	130-130-0240-0000	INCINERATORS	INCINERATION	SOLID WASTE (UNSPECIFIED)	FED_Milout	0.937436932	1	0.0003 0.00009
2008 2008	5-01-005-01	9711 050.005.000.00	099-995-1400-0000 00 050-995-1220-0000	OTHER (FUEL COMBUSTION) MANUFACTURING AND INDUSTRIAL	OTHER	JET FUEL (UNSPECIFIED)	FED_MIL-out	0.937436932	1	0.0153 0.0178508
2008			00 050-995-0110-0000	SERVICE AND COMMERCIAL	OTHER OTHER	DISTILLATE OIL (UNSPECIFIED) NATURAL GAS	\$!C_20-39131 CATEGORY33	1.391855204 1.120859445	1	0.0329 0.0321104 0.0215 0.0215
2006	430-420-0000-0000 4	430-420-0000-000	00 430-422-7078-0000	MINERAL PROCESSES	SAND AND GRAVEL EXCAVATION AND PROCESSING	SAND/AGGREGATE	SIC 14-out	1.129109361	1	0.0215 0.0215
2008			00 430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.199430199	1	0.0338 0.01352
2008			00 430-426-7078-0000		RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PRO		SIC_14-out	1.125109361	1	0.0063 0.00315
2008			00 430-430-7018-0000	MINERAL PROCESSES METAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION SECONDARY METAL PRODUCTION	CEMENT CONCRETE MINERAL AND METAL REPORTORS (LINERECIEVED)	SIC_327-out	1.197026022	1	0.0046 0.004232
2008				RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOOD STOVES	MINERAL AND METAL PRODUCTS (UNSPECIFIED) WOOD	SIC_334&9out HOUS_AEO_R4	1	1	0.0079 0.00553 0.1303 0.1218305
2008	610-600-0000-0000 6	610-600-0000-000	00 610-602-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES	WOOD	CATEGORY09	1.059065148	i	0.2219 0.2074765
2008	610-610-0000-0000 E	610-610-0000-000	00 610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - SPACE HEATING	NATURAL GAS	CATEGORY10	0.944897959	i	0.0081 0.0081
2008				RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.070243902	1	0.0069 0.0069
2008	611-000-0000-0000 6	010-010-0000-000 011-000-0000-000	00 610-610-0110-0000	RESIDENTIAL FUEL COMBUSTION RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - COOKING OTHER	NATURAL GAS NATURAL GAS	HOUS_AEO_R3 HOUS_AEO_R3	1.021934197	1	0.0006 0.0006
2008	611-000-0000-0000 E	611-000-0000-000	00 610-995-0120-0000	RESIDENTIAL FUEL COMBUSTION	OTHER	LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEO_R3 HOUS AEO R2	1.021934197 0.96031746	1	0.0014 0.0014 0.0005 0.0005
2008	620-610-0000-0000 E	520-610-0000-000	00 620-614-5400-0000	FARMING OPERATIONS	TILLING DUST	DUST	CATEGORY12	0.825211864	ł	9.0677 4.11945611
2008	620-620-0000-0000 6	520-620-0000-000	00 620-615-5400-0000	FARMING OPERATIONS	HARVEST OPERATIONS - DUST	DUST	CATEGORY19	0.951120163	1	2.666 1.2111638
2008 2008	630-620-0000-0000 6 630-620-0000-0000 6	530-620-0000-000 530-620-0000-00	00 630-622-5400-0000	CONSTRUCTION AND DEMOLITION CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - RESIDENTIAL BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST DUST	CATEGORY14 CATEGORY15	1.140712946 1.139980825	1	0.9292 0.45465756
2008				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST	CATEGORY15 SIC_15-17emp	1.139980825 1.07495069	5	0.3488 C.17066784 0.0788 0.03855684
2008	630-630-0000-0000 6	630-630-0000-000	00 630-628-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SIC_15-17emp	1,07495069	•	0.0788 0.03855664
2008	630-630-0000-0000 6	530-630-0000-000	00 630-634-5400-0000	CONSTRUCTION AND DEMOLITION	ROAD CONSTRUCTION DUST	DUST	SIC_15-17emp	1.07495069	1	2.1162 1.03545666
2008	640-640-0000-0000 6	540-640-0000-000	00 640-635-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - FREEWAYS	DUST	ON-ROAD_VMT	1.337801609	1	0.5274 0.24112726
2008 2008			00 640-637-5400-0000	PAVED ROAD DUST PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS RAVED POAD TRAVEL DUST - COLLECTOR STREETS	DUST	ON-ROAD_VMT	1.337801609	1	1.8954 0.86703408
2008			00 640-641-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST DUST	ON-ROAD_VMT ON-ROAD_VMT	1.337801609	1	C.324 0.1481328 1.0651 0.48696372
2008	645-640-0000-0000 6	845-640-0000-000	00 645-638-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	CATEGORY17	1	1	1.0651 0.46696372 4.3145 2.56410735
2008	645-640-0000-0000 6	645-640-0000-000	00 645-640-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS	DUST	CATEGORY18	1.072957198	1	4.2567 2.52975661
2008	645-640-0000-0000 E	545-640-0000-000	00 645-644-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS	DUST	CATEGORY18	1.072957198	1	0.5439 0.32323977
2008	09000-0000-0000 E		00 645-646-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS	DUST	CATEGORY19	0.951120163	1	5.7361 3.40896423

2008			650-650-5400-0000		DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST	CATEGORY20	0.912190083	1	10.2963 0.52	4.67760909
2008	650-650-0000-0000 660-660-0000-0000		650-652-5400-0000	FUGITIVE WINDBLOWN DUST FIRES	CUST FROM UNPAVED ROADS AND ASSOCIATED AREAS STRUCTURAL FIRES	DUST SOLID FUEL (UNSPECIFIED)	CATEGORY21 HOUSINGUNITS	1.069133396	1	0.0018	0.309036 0.001764
2008	660-660-0000-0000			FIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF	1.246901811	Ť	0.0025	0.00245625
2008	670-660-0000-0000	670-660-0000-0000	670-662-0262-0000		AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	1	0.0005	0.00049175
2008			670-664-0200-0000		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	0.05047
2008	810-810-0000-0000			AIRCRAFT	JET AIRCRAFT - MILITARY	JET FUEL (UNSPECIFIED)	FLT-MJET	1.002982107	1	2.8738	2.8049289
2008	820-820-0000-0000	820-820-0000-0000	820-820-1210-0000		LOCOMOTIVES - ROAD HAULING	DIESEL (UNSPECIFIED) GASOLINE (UNSPECIFIED)	EMP-RAIL REG-4WD	0.99516441 1.15037594	0.86	0.0519 0.001	0.0519 0.0009
2008		1474		DFF-ROAD RECREATIONAL VEHICLES MANUFACTURING AND INDUSTRIAL	FOUR-WHEEL DRIVE VEHICLES BOILERS	NATURAL GAS	SIC 14-135	1.021968366	1	0.0038	0.0036
2009 2009	1-02-006-01 1-03-004-02	4961	099-995-0000-0000		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	FEC_MIL-C7	0.602739726	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	660-005-0110-0000	SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	SIC_91-97C5	0.955623529	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		MANUFACTURING AND INDUSTRIAL	I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE CIL (UNSPECIFIED)	SIC_14-out	1.155730534	1	0.0606 0.0005	0.0591456
2009	2-01-001-02	9711	099-995-0000-0000		OTHER I.C. TURBINE ENGINES	MATERIAL NOT SPECIFIED KERONAPTHA JET FUEL	FED_MiL-out FED_MiL-out	0.957618567 0.957618567	1	0.0005	0.000466 0.0030256
2009	2-01-009-01	9711 9711	060-045-1412-0000 099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-I31	0.904465213	1	0.0002	0.0001952
2009 2009	2-02-001-02 2-02-002-03	4931	020-045-0110-0000	COGENERATION	I.C. TURBINE ENGINES	NATURAL GAS	CATEGORY22	0.876121875		0.0234	0.0232596
2009	2-02-002-00	5032	060-040-1200-0000		I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_50&1-C2	0.978426398	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	9.0030614
2009	2-04-001-01	9711	060-045-1400-0000	SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	JET FUEL (UNSPECIFIED)	FED_MIL-out	0.957618567	1	0.0037	0.0036112
2009	3-05-002-01	2951	430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_29589out	1.199430199	1	0.0019	0.00076
2009	3-05-006-06	3241 3241	430-429-7016-0000 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT CEMENT	CATEGORY38 SIC_324-out	1.225338491 1.223620523	1	0.6313 0.0003	0.580796 0.000276
2009 2009	3-05-006-07 3-05-006-08	3241	430-436-7016-0000	MINERAL PROCESSES	STORAGE PILES	CEMENT	SIC 324-out	1.223620523	ł	0.1465	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	C.0007	0.000644
2009	3-05-006-11	3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SiC_324-cut	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-cut	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	3-05-005-15	3241	430-436-7023-0000	MINERAL PROCESSES	STORAGE PILES CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CUNKER CUNKER	SIC_324-out	1.223620523	1	0.232 0.0904	0.21344
2009	3-05-006-16	3241 3241	430-429-7023-0000 430-429-7023-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out SIC 324-out	1.223620523 1.223620523	-	C.0623	0.083168 0.057316
2009	3-05-006-17	3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.223620523	1	C.0623	0.062156
2009 2009	3-05-006-18 3-05-025-03	5032	430-995-7078-0000	MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SIC_5081-out	1.352386087	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	i	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	0.0509
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 3-05-040-24	1474 1474	430-995-7064-0000 430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER OTHER	NON-METALLIC MINERALS (UNSPECIFIED) POTASH	SIC_14-out SIC_14-out	1.155730534 1.155730534	1	2.304e 0.0015	1.1523 0.00075
2009 2009	3-05-040-25	1474	430-436-7072-0000	MINERAL PROCESSES	STORAGE PILES	POTASH	SIC_14-out	1.155730534	4	0.0398	0.0199
2009	3-05-040-20	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		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		1474		MANUFACTURING AND INDUSTRIAL	IN-PROCESS FUEL	NATURAL GAS	SIC_14-35	1.021968366	1	0.1221	0.1221
2009	5-01-001-01	9711 9711	130-130-0240-0000 099-995-1400-0000	INCINERATORS OTHER (FUEL COMBUSTION)	INCINERATION	SOLID WASTE (UNSPECIFIED) JET FUEL (UNSPECIFIED)	FED_MIL-cut	0.957616567 0.957618567	1	0.0003 0.0187	0.00009
2009 2009	5-01-006-01			MANUFACTURING AND INDUSTRIAL	OTHER	DISTILLATE OIL (UNSPECIFIED)	FED_MIL-out SIC_20-39(31	1,418099548	1	0.0335	0.0182512 0.032696
2009	060-995-0000-0000	060-995-0000-0000	060-995-0110-0000	SERVICE AND COMMERCIAL	OTHER	NATURAL GAS	CATEGORY33	1.124440466	ł	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&9out	1 199430199	1	0.0338	0.01352
2009			430-425-7078-0000		USHED STONE EXCAVATION AND PROCESSING (AGGREGATE PRO		SIC_14-out	1,155730534	1	C.0065	0.00325
2009			430-430-7018-0000	MINERAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION	CEMENT CONCRETE	SIC_327-out	1.224907063	1	0.0047	0.004324
2009			440-440-7000-0000	METAL PROCESSES	SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_334&9out	1	1	8.6079	0.00553
2009			610-600-0230-0000		WOOD COMBUSTION - WOOD STOVES WOOD COMBUSTION - FIREPLACES	WOCD WOOD	HOUS_AEO_R4 CATEGORY09	1.001 1.075875486	1	0.13 0.2233	0.12155 0.2087855
2009			610-606-0110-0000		FUEL COMBUSTION - SPACE HEATING	NATURAL GAS	CATEGORY10	0.93877551	1	0.0081	0.2087835
2009			610-608-0110-0000		FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.07504878	1	0.007	0.007
2009			610-610-0110-0000		FUEL COMBUSTION - COOKING	NATURAL GAS	HOUS_AEO_R3	1.021934197	1	0.0006	0.0306
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			610-995-0120-0000		OTHER	LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEO_RZ	0.951386889	1	0.0005	0.0005
2009 2009			620-614-5400-0000	FARMING OPERATIONS FARMING OPERATIONS	TILLING DUST	DUST	CATEGORY12	0.800847458	1	8.8065	4.00079295
2009			620-615-5400-0000 630-622-5400-0000		HARVEST OPERATIONS - DUST BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST	CATEGORY19 CATEGORY14	0.946028513 1.151031595	3	2.6523 0.9378	1.20493989 0.45886554
2009	630-620-0000-0000	630-620-0000-0000			BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST	CATEGORY15	1.149568552	1	0.352	0.1722336
2009	630-630-0000-0000	630-630-0000-0000		CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST	SIC_15-17emp	1.07495069	1	0.0768	0.03855684
2009			630-628-5400-0000		BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SIC_15-17emp	1.07495069	1	0.3732	0.18260676
2009					ROAD CONSTRUCTION DUST	DUST	SIC_15-17emp	1.07495069	4	2.1185	1.03560345
2009	640-640-0000-0000	640-640-0000-0000	640-635-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - FREEWAYS	DUST	CN-ROAD_VMT	1.354271671	1	0.5459	0.24958548
2009			640-637-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	ON-ROAD_VMT	1,384271671	1	1.9628	0.89739216
2009			640-639-5400-0000	PAVED ROAD DUST PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST	ON-ROAD_VMT	1.384271671	1	0.3353	0.15329916
2009			645-638-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	CATEGORY17	1.384271671	1	4,3145	0.50401728 2.56410735
2009			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. RCADS	DUST	CATEGCRY18	1.079766537	1	0.5476	0.32543868
2009			645-646-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS	DUST	CATEGORY19	0.946028513	1	5.7067	3.39149181
2009			650-650-5400-0000		DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST	CATEGORY20	0.902892562	1	10,1906	4,62958958
2009 2009			650-652-5400-0000	FUGHIVE WINDBLOWN DUST	DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS STRUCTURAL FIRES	DUST SONO ENEN (UNICOCOURTED)	CATEGORY21	1	1	0.52	0.309036
2009	660-660-0000-0000	660-660-0000-0000	660-658-0200-0000	FIRES	AUTOMOBILE FIRES	SOUD FUEL (UNSPECIFIED) SOUD FUEL (UNSPECIFIED)	HOUSINGUNITS POP-DOF	1.075949367 1.276453765	1	0.0018 0.0026	0.001764
2009				WASTE BURNING AND DISPOSAL	AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	1	0.0005	0.0025545 0.00049175
2009	670-660-0000-0000	670-660-0000-0000	670-664-0200-0000	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	0000-0003-083-993	COOKING	COMMERCIAL CHARBROILING	TOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY49	1.177942539	1	0.0731	0.05117
2009			810-808-1400-0000	AIRCRAFT	JET AIRCRAFT - MILITARY	JET FUEL (UNSPECIFIED)	FLT-MJET	1.002982107	1	2.8738	2.6048288
2009 2009	820-820-0000-0000 850-880-0000-0000	820-820-0000-0000	820-820-1210-0000 850-876-1100-0000	TRAINS DFF-ROAD RECREATIONAL VEHICLES	LOCOMOTIVES - ROAD HAULING	DIESEL (UNSPECIFIED)	EMP-RAIL	0.99516441	0.84	0.0507	0.0507
2009	1-02-006-01	1474		MANUFACTURING AND INDUSTRIAL	FOUR-WHEEL DRIVE VEHICLES BOILERS	GASOLINE (UNSPECIFIED) NATURAL GAS	REG-4WD \$(C_14-135	1.168233063 1.043936731	1	0.001	0.0009
2010		4961	099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	SIC 494+-C7	1.032258065	4	0.0004	0.000346
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	0.002345
2010		9711	060-005-1220-0000		BOILERS	DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	0.690340909	1	0.0601	0.0000976
2010		9223	060-005-0110-0000		BOILERS	NATURAL GAS	SIC_91-97C5	0.956862745	1	0.0021	0.0021
2010	1-03-006-03	9711	060-005-0110-0000 060-005-0124-0000	SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	FED_MIL-C5	0.829166667	1	0.0005	0.0005
2010 2010		9711 1474		SERVICE AND COMMERCIAL MANUFACTURING AND INDUSTRIAL	BOILERS I.C. RECIPROCATING ENGINES	PROPANE DIESEL DISTLY ATE ON JUNCPEOPERN	FED_MIL-C3	0.637760149	1	0.0001	0.0001
2010		9711	099-995-0000-0000		1.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED) MATERIAL NOT SPECIFIED	SIC_14-out FED_MIL-out	1.187226597 0.977600202	1	0.0623 0.0006	0.0608048 0.0005856
2010		9711	060-045-1412-0000		LC. TURBINE ENGINES	KERONAPTHA JET FUEL	FED_MiL-out	0.977800202	;	0.0008	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	EC. 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	C.0024	0.0023424
2010		4971	050-040-0110-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	NATURAL GAS	SIC 494+-out	1,227399814	1	0.0032	0.0031806
2010		9711	060-045-1400-0000	SERVICE AND COMMERCIAL	I.C. TUREINE ENGINES	JET FUEL (UNSPECIFIED)	FED_MIL-out	0.977600202	4	6.0037	0.0036112
2010		2951	430-424-7008-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9cut	1.249762583	1	0.0019	0.00076
2010		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	CATEGORY38	1.245647969	t	0.6421	0.590732
2010			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.244917715	1	0.0004	0.000366
2010			430-436-7016-0000	MINERAL PROCESSES	STORAGE PILES	CEMENT	SIC_324-out	1.244917715	1	0.149	0.13708
2010			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.244917715	7	0.0007	0.000644
2010			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC 324-out	1.244917715	4	0.0007	0.000644
2010		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.244917715		0.0004	0.000368
					CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1,244917715		0.0004	0.0002
2010			430-429-7016-0000	MINERAL PROCESSES	CENENT (PORTLAND AND OTHERS) MANUFACTURING						
2010			430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.244917715	1	Q.†539	0.141568
2010			430-436-7023-0000	MINERAL PROCESSES	STORAGE PILES	CLINKER	SIC_324-out	1.244917715	7	0.236	0.21712
2010	0 3-05-006-16	3241	430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.244917715	4	0.0919	0.084548
2010		3241	430-429-7023-0090	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC 324-out	1.244917715	1	0.0634	3.058328
2010			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SiC_324-out	1.244917715	1	0.0909	0.083628
2010			430-995-7078-0000	MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SIC 50&1-out	1.391696751	4	0.0038	0.0019
2010			430-995-7064-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.187226597	ł	0,7184	0.3592
			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-cut	1.244917715	1	0.3551	0,17755
2010						POTASH					
2010			430-995-7072-0000	MINERAL PROCESSES	OTHER		SIC_14-cut	1.187226597		0.1251	0,06255
2010			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND CTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.244917715	1	0.037	0.0185
2010			430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.137226597	1	0.8524	0.4262
2010		1474	430-995-7064-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-cut	1.187226597	1	2.3669	1.18345
2010			430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-cut	1.187226597	1	0.0016	0.0008
2010			430-436-7072-0000	MINERAL PROCESSES	STORAGE PILES	POTASH	SIC_14-out	1,187226597	1	0.6408	0.0204
2010	3-05-040-30	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.167226597	1	0,5167	0.00835
2010	3-05-040-31	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.197226597	1	0.0028	0.0014
2010		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	PCTASH	SIC 14-out	1.187226597	1	0.0207	0.01035
2010		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC 14-out	1.137226597	1	0.0025	0.00125
2010			430-995-7072-0000	MINERAL PROCESSES	OTHER	PCTASH	SIC 14-out	1.167226597	1	0.0031	0.00155
2010				MANUFACTURING AND INDUSTRIAL	IN-PROCESS FUEL	NATURAL GAS	SIC_14-135	1.043936731	4	0.1247	0.1247
2010		9711	130-130-0240-0000	INCINERATORS	INCINERATION	SOLID WASTE (UNSPECIFIED)	FED_MIL-out	0.977800202		0.0003	0.00009
2010			099-995-1400-0000	OTHER (FUEL COMBUSTION)	OTHER	JET FUEL (UNSPECIFIED)	FEO_Mit-out	0.977800202	,	0.0191	0.0186416
2010		0 050-995-0000-0000			OTHER	DISTILLATE CIL (UNSPECIFIED)	SIC_20-39/31	1.447963801		0.0342	0.0333792
2010		0 060-995-0000-0000		SERVICE AND COMMERCIAL	OTHER	NATURAL GAS	CATEGORY33	1.125811995		0.0217	0.0217
	7 000-932-0000-000	0 000-995-0000-0000	430 493 7070 0000	MINERAL PROCESSES		SAND/AGGEEGATE	SIC 14-out	1.197226597			
2010	J 430-420-0000-000	0 430-420-0000-0000	430-422-7076-0000		SAND AND GRAVEL EXCAVATION AND PROCESSING					0.0643	0.03215
2010		0 430-420-0000-0000		MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.249762583	1	0.0352	0.01408
2010	0 430-430-0000-000	0 430-430-0000-0000	430-426-7078-0000		RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD		SIC_14-out	1.187226597	1	0.0067	0.00335
2010	0 430-430-0000-0000	0 430-430-0000-0000	430-430-7018-0000	MINERAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION	CEMENT CONCRETE	SIC_327-out	1.238847584	1	0.0047	0.004324
2010	0 440-440-0000-000	0 440-440-0000-0000	440-440-7000-0000	METAL PROCESSES	SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_334&9out	1	1	0.0079	0.00553
2010	0 610-600-0000-0000	0 610-600-0000-0000	610-600-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOOD STOVES	WOOD	HOUS_AEO_R4	0.999	1	0.1298	0.121363
2010		0 610-600-0000-0000		RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES	WOOD	CATEGORYOS	1.082684825	1	0.2247	0.2100945
2010		0 610-610-0000-0000	610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - SPACE HEATING	NATURAL GAS	CATEGORY10	0.933673469	1	0.008	0.005
2010		0 610-610-0000-0000		RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.086829268		0.007	0.007
2010		0 610-610-0000-0000		RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - COOKING	NATURAL GAS	HOUS_AED_R3	1.024925224		0.0006	0,0006
2010		0 611-000-0000-0000	610 00E 0110 0000		OTHER	NATURAL GAS	HOUS_AED_R3	1.024925224		0.0014	0.0014
2010		0 €11-000-0000-0000			OTHER	LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEO_R3	0.943452381		0.0005	0.00014
						DUST	AUGS_AEU_R2				
2010		0 620-610-0000-0000		FARMING OPERATIONS	TILLING DUST HARVEST OPERATIONS - DUST		CATEGORY12	0.775423729		8.5266	3.87363438
2010		0 620-620-0000-0000		FARMING OPERATIONS		DUST	CATEGORY19	0.941955193	1	2.6386	1.19871598
2010				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST	CATEGORY14	1.163227017	1	0.9476	0.46375854
2010				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST	CATEGORY15	1.162032598	1	0.3557	0.17404401
2010		0 630-630-0000-0000	630-626-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST-INDUSTRIAL	DUST	SIC_15-17emp	1.075936884	1	0.0789	0.03850577
2010				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SIC_15-17emp	1.075936684	1	0.3736	0.18280248
2010	0 630-630-0000-000	0 630-630-0000-0000	630-634-5400-0000	CONSTRUCTION AND DEMOLITION	ROAD CONSTRUCTION DUST	DUST	SIC_15-17amp	1.075936894	1	2.119	1.0363267
2010	0 640-640-0000-000	0 640-640-0000-0000	640-635-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - FREEWAYS	DUST	ON-ROAD_VMT	1.431635389	1	0.5643	0.25799796
2010		0 640-640-0000-0000		PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	ON-ROAD_VMT	1.431635389	1	2.0291	0.92770452
2010		0 840-640-0000-0000		PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS	DUST	ON-ROAD VMT	1,431635389		0.3467	0.15651124
2010		0 640-640-0000-0000		PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST	ON-ROAD_VMT	1.431635389		1.1396	0.52102512
2010		0 645-640-0000-0000		UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	CATEGORY17	1.431035509		4.3145	2.55410735
2010		0 645-640-0000-0000	645 640-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS	DUST	CATEGORY18	1.086575875		4.3145	
2010		0 645-640-0000-0000									2.5626216
2010				UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS	DUST	CATEGORY18	1.386575875	1	0.551	0.3274593
		0 645-650-0000-0000		UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS	DUST	CATEGORY19	0.941955193	1	5.6772	3.37395996
2010	0 650-650-0000-000	0 650-650-0000-0000	650-650-5400-0000	FUGITIVE WINDSLOWN DUST	DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST	CATEGORY20	0.395661157	1	10.1001	4.58847543
2010		0 650-650-0000-0000		FUGITIVE WINDBLOWN DUST	DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS	DUST	CATEGORY21	1	1	0.52	0.309036
2010		0 660-660-0000-0000		FIRES	STRUCTURAL FIRES	SOLID FUEL (UNSPECIFIED)	HOUSINGUNITS	1.081791626	1	0.0018	0.001764
2010	0 660-660-0000-0000	0 660-660-0000-0000	660-658-0200-0000	FIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF	1.306959009	1	0.0026	0.0025545
2010	0 670-660-0000-000	0 670-560-0000-0000	670-662-0262-0000	WASTE BURNING AND DISPOSAL	AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	1	0.0005	0.00049175
2010		0 670-650-0000-0000		WASTE BURNING AND DISPOSAL	RANGE IMPROVEMENT	SOLID FUEL (UNSPECIFIED)	CATEGORY45	0.950203252	1	0.0003	0.00029475
2010	0 690-690-0000-0000	0 690-680-0000-0000	690-680-6000-0000	COOKING	COMMERCIAL CHARBROTLING	FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY49	1.196478221	1	0.0743	0,05201
2010	0 510-810-0000-000	0 810-810-0000-0000	810-806-1400-0000	AIRCRAFT	JET A/RCRAFT - MILITARY	JET FUEL (UNSPECIFIED)	FLT-MJET	1.002982107		2,8735	2.8048286
2010		0 820-820-0000-0000		TRAINS	LOCOMOTIVES - ROAD HAULING	DIESEL (UNSPECIFIED)	EMP-RAIL	0.99516441	0.81	0.0468	0.04B6
2010	0 850-880-0000-000	0 850-880-0000-0000	850-876-1100-0000	OFF-ROAD RECREATIONAL VEHICLES		GASOLINE (UNSPECIFIED)	REG-4WD	1.185150376	1	0.001	0.0009
2011				MANUFACTURING AND INDUSTRIAL	BOILERS	NATURAL GAS	SIC 14-135	1.054481547		0.0039	0.0039
2011			099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	SIC_494+-C7	1.032258065		0.0004	0.000348
2011			099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED MIL-C?	0.805479452	2	0.0026	
2011			060-005-1220-0000	SERVICE AND COMMERCIAL	BOILERS	DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	0.684659091			0.002262
2011			060-005-0110-0000	SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	SIC 91-97C5	0.956862745		0.0001	0.0000976
2011			060-005-0110-0000	SERVICE AND COMMERCIAL	BOILERS					5,5021	0.0021
						NATURAL GAS	FED_MIL-C5	0.834375	1	0.0005	0.0005
2011			060-005-0124-0000	SERVICE AND COMMERCIAL	BOILERS	PROPANE	FED_MIL-C3	0.843116329	1	0.0001	0.0001
2011				MANUFACTURING AND INDUSTRIAL	I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_14-out	1.21672266	1	0.0639	0.0623664
2011			089-595-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-out	0.995963673	1	0.0006	0.0005856
2011			060-045-1412-0000	SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	KERCNAPTHA JET FUEL	FED_MiL-out	0.995963673	1	0.0032	0.0031232
2011			099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-131	0.926272066	\$	0.0002	0.0001952
2011		4931	020-045-0110-0000	COGENERATION	I.C. TURBINE ENGINES	NATURAL GAS	CATEGORY22	2.452547453	1	0.0653	0.0649062
2011			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
2011		9711	060-040-1200-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	FED_MIL-G2	0.684659091	1	0.0024	0.0023424
2011			060-040-0110-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	NATURAL GAS	SIC_494+-out	1.249767008	1	0.0033	0.0032802
2011			060-045-1400-0000	SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	JET FUEL (UNSPECIFIED)	FED_MIL-out	0.995963673	1	0.0038	0.0037088
2011			430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.249762583	1	0.0019	0.00076
2011			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	CATEGORY38	1.263056093	1	0.6509	0.598828
2011			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.266214908	,	0.0004	0.000368
2011			430-436-7016-0000	MINERAL PROCESSES	STORAGE PILES	CEMENT	SiC_324-out	1.266214908	1	0.1515	0.13936
2011			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC 324-out	1.266214908	1		
2011			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTIAND AND OTHERS) MANUFACTURING	CEMENT			1	0.0037	0.000644
2011			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.266214908	1	0.0007	0.000644
		9144	430-429-7016-0000				SIC_324-out	1.266214908	1	0.0004	0.000368
2011				MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-curt	1.266214908	1	0.0004	0.0002
2011			430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.266214908	1	0.1566	0.144072
2011			430-436-7023-0000	MINERAL PROCESSES	STORAGE PILES	CLINKER	SiC_324-out	1.266214908	1	0.24	0.2208
2011			430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.266214905	1	C.0935	0.08602
2011			430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.266214908	1	6.0645	0.05934
2011			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.266214908	1	0.0924	0.085008
2011			430-995-7078-0000	MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SIC_50&1-out	1.429602868	1	0.0039	0.00195
2011			430-995-7064-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-cut	1.21872268	1	0.7373	0.36865
2011			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.266214908	1	0.3611	0.18055
2011			430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-cut	1.21872266	1	0.1284	0.0642
2011			430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.266214908	1	0.0376	0.0188
2011	1 3-05-040-21	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.21872265	1	0.8749	0.43745
2011	1 3-05-040-22		430-995-7064-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.21072266	1	2.4291	1.21455
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2011	3-05-040-24	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.21972256	1	0.0016	0.0008
2011	3-05-040-25	1474 1474	430-436-7072-0090	MINERAL PROCESSES MINERAL PROCESSES	STORAGE PILES OTHER	POTASH POTASH	SIC_14-out SIC 14-out	1.21872266 1.21872266	1	0.0419	0.02095 0.0086
2011 2011	3-05-040-30 3-05-040-31	1474	430-995-7072-0000 430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.21872266	1	0.0029	0.00145
2011	3-05-040-32	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.21872266	1	0.0212	0.0106
2011	3-05-040-33	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.21872266	1	0.0026	0.0013
2011	3-05-040-34	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.21972266	1	0.0032	6.0016
2011	3-90-006-89	1474		MANUFACTURING AND INDUSTRIAL	IN-PROCESS FUEL	NATURAL GAS SOLID WASTE (UNSPECIFIED)	SIC_14-135 FED_MIL-out	1,054481547 0,995963673	1	0.12 0 0.0003	0.125
2011 2011	5-01-001-01 5-01-006-01	9711 9711	130-130-0240-0000 099-995-1400-0000	INCINERATORS OTHER (FUEL COMBUSTION)	OTHER	JET FUEL (UNSPECIFIED)	FED_MiL-out	0.995963673	1	0.0195	0.010032
2011	050-995-0000-0000 0	37.11 56-000-0000	050-965-1220-0000	MANUFACTURING AND INCUSTRIAL	OTHER	DISTILLATE OIL (UNSPECIFIED)	SIC 20-39/31	1.479635009	1	0.0349	0.0340624
2011	060-995-0000-0000 (SERVICE AND COMMERCIAL	OTHER	NATURAL GAS	CATEGORY33	1.135183527	1	0.0218	0,0218
2011	430-420-0000-0000 4			MINERAL PROCESSES	SAND AND GRAVEL EXCAVATION AND PROCESSING	SAND/AGGREGATE	SIC_14-out	1.21872266	1	0.066	0.033
2011	430-420-0000-0000 4			MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.249762583	1	0.0352	0.01408
2011	430-430-0000-0000 4			MINERAL PROCESSES MINERAL PROCESSES	RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD CEMENT CONCRETE MANUFACTURING AND FABRICATION	SAND/AGGREGATE CEMENT CONCRETE	SIC_14-out SIC_327-out	1.21872266 1.267657993	1	0.0069 0.0049	0.00345 0.004508
2011 2011	430-430-0000-0000 4 440-440-0000-0000 4			METAL PROCESSES	SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC 33489out	1.207007880	,	0.0079	0.00553
2011	610-600-0000-0000 E				WOOD COMBUSTION - WOOD STOVES	WOOD	HOUS_AEO_R4	1	5	0,1299	0.1214565
2011	610-600-0000-0000 6			RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES	WCOD	CATEGORYOS	1.090466926	1	0.2263	0.2115905
2011	610-610-0000-0000 6	510-610-0000-0000	610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - SPACE HEATING	NATURAL GAS	CATEGORY10	C.92755102	1	0.006	0.006
2011	610-610-0000-0000 6			RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.093658537	1	0.0071	0.0071
2011	610-610-0000-0000 6 611-000-0000-0000 6			RESIDENTIAL FUEL COMBUSTION RESIDENTIAL FUEL COMBUSTION	FVEL COMBUSTION - COOKING OTHER	NATURAL GAS NATURAL GAS	HOUS_AEC_R3 HOUS_AEC_R3	1.029910269 1.029910269	1	0.0006	0.0006 0.0014
2011 2011	611-000-0000-0000 6			RESIDENTIAL FUEL COMBUSTION	OTHER	LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AEC_RZ	0.933531746	1	0.0005	0.0005
2011	620-610-0000-0000 6			FARMING OPERATIONS	TILLING DUST	DUST	CATEGORY12	0.752118644	1	E.2654	3.75497122
2011	620-620-0000-0000 F	20-620-0000-0000	620-615-5400-0000	FARMING OPERATIONS	HARVEST OPERATIONS - DUST	DUST	CATEGORY19	0.936663544	1	2.625	1.1925375
2011	630-620-0000-0000 E	530-620-0000-0000	630-622-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST	CATEGORY14	1.174484053	1	0.9569	0.46821117
2011				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST	CATEGORY15	1.173537672	1	0.3591	0.17570763
2011	630-630-0000-0000 6			CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST	SIC_15-17emp	1.075923077	1	0.0789	0.03560677
2011 2011				CONSTRUCTION AND DEMOLITION CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - INSTITUTIONAL ROAD CONSTRUCTION DUST	DUST	SIC_15-17emp SIC_15-17emp	1.076923077 1.076923077		0.3738 2.12	0.18290034 1.037315
2011	640-640-0000-0000 6			PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - FREEWAYS	DUST	ON-ROAD_VMT	1.478999106	1	0.5832	0.26663904
2011	640-640-0000-0000 €			PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	ON-ROAD_VMT	1.478999106	1	2.0968	0.95865696
2011	640-640-0000-0000 e			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 €	540-640-0000-0000	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 e			UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	CATEGORY17	1	1	4.3145	2.56410735
2011	645-640-0000-0000 €	545-640-0000-0000	0 645-640-5400-0000	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 6			UNPAVED ROAD DUST UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS	DUST DUST	CATEGORY18	1.395330739 0.936863544	1	0.5551 5.6478	0.32989593
2011 2011	645-650-0000-0000 6 650-650-0000-0000 6			FUGITIVE WINDBLOWN DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST	CATEGORY19 CATEGORY20	0.886363636	1	9,9944	3.35648754 4.54045592
2011	650-650-0000-0000 6			FUGITIVE WINDBLOWN DUST	DUST FROM UNFAVED ROADS AND ASSOCIATED AREAS	DUST	CATEGORY21	1	-	0.52	0.309036
2011	560-660-0000-0000 e			FIRES	STRUCTURAL FIRES	SOLID FUEL (UNSPECIFIED)	HOUSINGUNITS	1.059561305	1	0.0018	0.001764
2011	660-660-0000-0000 6	560-660-0000-0000	660-658-0200-0000	FIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF	1.337464252	1	0.0027	0.00265275
2011	670-660-0000-0000 6	570-660-0000-0000	670-662-0262-0000	WASTE BURNING AND DISPOSAL	AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	1	0.0005	0.00049175
2011	670-660-0000-0000 6	570-660-0000-0000	670-664-0200-0000	WASTE BURNING AND DISPOSAL	RANGE IMPROVEMENT	SOLID FUEL (UNSPECIFIED)	CATEGORY45	0.945121951	1	0.0003	0.00029475
2011	690-680-0000-0000 6			COOKING	COMMERCIAL CHARBROILING	FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY49	1.214087118	1	0.0753	0.05271
2011 2011	610-610-0000-0000 8 620-620-0000-0000 8			AIRCRAFT TRAINS	JET AIRCRAFT - MILITARY LOCOMOTIVES - RCAD HAULING	JET FUEL (UNSPECIFIED) DIESEL (UNSPECIFIED)	FLT-MJET EMP-RA(L	1.002982107 0.989361702	0.8	2.8738 0.048	2.8048285 0.048
2011	850-880-0000-0000 8	850-820-0000-0000	0 850-876-1100-0000	OFF-ROAD RECREATIONAL VEHICLES	FOUR-WHEEL DRIVE VEHICLES	GASOLINE (UNSPECIFIED)	REG-4WD	1.203007519	4	0.0011	0.00099
2012	1-02-006-01	1474	050-005-0110-0000	MANUFACTURING AND INDUSTRIAL	BOILERS	NATURAL GAS	SIC 14-135	1.065905097	1	0.0039	0.0039
2012	1-03-004-02	4961	099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATÉRIAL NOT SPECIFIED	SIC_494+-C7	1.032258065	1	0.0004	0.000348
2012		9711	099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-C7	0.806849315	1	0.0026	0.002262
2012		9711	060-005-1220-0000	SERVICE AND COMMERCIAL	BOILERS	DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	0.678977273	1	0.0001	0.0000976
2012		9223	060-005-0110-0000 060-005-0110-0000	SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	SIC_91-97C5	0.957843137	1	0.0021	0.0021
2012 2012		9711 9711	060-005-0124-0000	SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	BOILERS BOILERS	NATURAL GAS PROPANE	FED_MIL-C5	0.639583333		0.0005	0.0005
2012	2-01-001-02	1474		MANUFACTURING AND INDUSTRIAL	LC. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C3 SIC_14-out	0.846318036 1.239720035	1	0.0001 0.065	C.0001 0.06344
2012		9711	099-995-0000-0000	CTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-out	1.015136226		0.0006	0.0005856
2012		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		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	3.956013956	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_5081-C2	0.978426396	1	0.0902	0.0001952
2012 2012	2-03-001-01 2-03-002-01	9711 4971	060-040-1200-0000 060-040-0110-0000	SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	1.C. RECIPROCATING ENGINES 1.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	FED_MiL-C2	0.678977273		0.0024	0.0023424
2012	2-04-001-01	9711	060-045-1400-0000	SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	NATURAL GAS JET FUEL (UNSPEC:FIED)	SIC_494+-out FED_MiL-out	1.27306617 1.015136226	1	0.0034 0.0039	0.0033796 0.0033054
2012		2951	430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.249762583		0.0019	0.00076
2012		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	CATEGORY38	1.250464217	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 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SiC_324-out	1.276863504	1	0.0007	0.000644
2012	3-05-006-11 3-05-006-12	3241 3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT CEMENT	SiC_324-out SIC_324-out	1.276863504 1.276863504	1	0.0007 0.0004	0.000644 0.000368
2012	3-05-006-13	3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.275863504	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	CUNKER	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 2012	3-05-006-17 3-05-006-18	3241 3241	430-429-7023-0000 430-429-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CUNKER CEMENT	SIC_324-out SIC_324-out	1.276863504 1.276863504	1	0.065	0.0598
2012		5032	430-995-7078-0000	MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SiC_50&1-out	1.467509025	1	0.0932	0.002
2012	3-05-040-01	1474	430-995-7064-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-cut	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	0,1621
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 2012	3-05-040-21	1474 1474	430-995-7072-0000 430-995-7064-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER	PCTASH	SIC_14-out	1.239720035	1	C.8898	0.4449
2012	3-05-040-22 3-05-040-24	1474	430-995-7072-0000	MINERAL PROCESSES	CTHER OTHER	NON-METALLIC MINERALS (UNSPECIFIED) POTASH	SIC_14-out SIC_14-out	1.239720035 1.239720035	1	2.4707	1.23535
2012	3-05-040-25	1474	430-436-7072-0000	MINERAL PROCESSES	STORAGE PILES	POTASH	SIC_14-out	1.239720035	1	0.0016 0.0426	0.0008
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 430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.239720035	1	0.0029	0.00145
2012 2012	3-05-040-32 3-05-040-33	1474 1474	430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	CTHER OTHER	POTASH PCTASH	SIC_14-cuit	1.239720935	1	0.0216	0.0108
2012		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out SIC_14-out	1.239720035	1	6.0026	0.0013
2012	3-90-006-89	1474	050-070-0110-0000	MANUFACTURING AND INDUSTRIAL	IN-PROCESS FUEL	NATURAL GAS	SIC_14-35	1.065905097	1	0.0032 0.1273	0.0016 0.1273
2012		9711	130-130-0240-0000	INCINERATORS	INCINERATION	SOLID WASTE (UNSPECIFIED)	FED_MIL-out	1.015136226	i	0.0003	0.00009
2012		9711	099-995-1400-0000	OTHER (FUEL COMBUSTION)	OTHER	JET FUEL (UNSPECIFIED)	FED_MIL-out	1.015136226	1	0.0196	0.0193248
2012				MANUFACTURING AND INDUSTRIAL	OTHER	DISTILLATE OIL (UNSPECIFIED)	SIC_20-39(31	1.51040724	1	0.0357	0.0348432
2012				SERVICE AND COMMERCIAL	OTHER SAND AND CRAVEL EXCAVATION AND PROCESSING	NATURAL GAS	CATEGORY33	1,140555058	1	0.0219	0.0219
2012				MINERAL PROCESSES MINERAL PROCESSES	SAND AND GRAVEL EXCAVATION AND PROCESSING ASPHALTIC CONCRETE PRODUCTION	SAND/AGGREGATE	SIC_14-out	1.239720035	1	0.0671	0.03355
2012					RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD	ASPHALTIC CONCRETE SAND/AGGREGATE	SIC_295&9cut SIC_14-cut	1.249762583 1.239720035	1	0.0352 0.007	0.01408 0.0035
2012	430-430-0000-0000 4	30-430-0000-0000	430-430-7018-0000	MINERAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION	CEMENT CONCRETE	SIC_327-out	1.261598513		0.0049	0.004508
2012				METAL PROCESSES	SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_33489out	1	1	0.0079	0,00553
2012 2012					WOOD COMPUSTION - WOOD STOVES	WOOD	HOUS_AEO_R4	1.001	1	0.13	0.12155
2012	610-610-000-0000-0000 E	313-800-0000-0000 510-610-0000-0000	5 610-602-0230-0000 5 610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES FUEL COMBUSTION - SPACE HEATING	WOOD NATURAL GAS	CATEGORY09 CATEGORY10	1.097276265 C.921428571	1	5.2276	0.212993
2012	610-610-0000-0000 e	s10-610-0000-0000	610-608-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - SPACE REATING	NATURAL GAS	CATEGORY11	1,100487805	1	0.0079 0.0071	6.0079 0.0071
2012	510-510-0000-0000 E	510-610-0000-0000	0 610-610-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - COOKING	NATURAL GAS	HOUS_AEO_R3	1.034895314	1	0.0096	0.0006
2012	611-000-0080-0000 6	511-00 0-0000-0 000	610-995-0110-0000	RESIDENTIAL FUEL COMBUSTION	OTHER	NATURAL GAS	HOUS_AEO_R3	1.034895314	- -	0.0014	0.0014
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2012				RESIDENTIAL FUEL COMBUSTION	OTHER	LIQUIFIED PETROLEUM GAS (LPG) DUST	HOUS_AEG_R2 CATEGORY12	0.924603175 0.727754237	1	0.0005 8.0042	0.0005 3.63630806
2012 2012		620-610-0000-0000	620-614-5400-000G	FARMING OPERATIONS	TILLING DUST HARVEST OPERATIONS - DUST	DUST	CATEGORY19	0.930753564	i	2.6079	1.18476897
2012	630-620-0000-0000	530-620-0000-0000	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	1.154084372	1	0.3625	0.17737125
2012	630-630-0000-0000	630-630-0000-0000	630-626-5400-0000	CONSTRUCTION AND DEMOLITION	SUILDING 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		0,374	0.1629982
2012 2012				CONSTRUCTION AND DEMOLITION PAVED ROAD DUST	ROAD CONSTRUCTION DUST PAVED ROAD TRAVEL DUST - FREEWAYS	DUST DUST	SIC_15-17emp ON-ROAD_VMT	1.076923077 1.527256479	1	2.121 0.602	1.0378053 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		2,1645	0.9896094
2012				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	640-641-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST	ON-ROAD_VMT	1.527256479	1	1.2157	0.55581804
2012				UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	CATEGORY17	1		4.3145	2.56410735
2012				UNPAVED ROAD DUST UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS	DU'ST DU'ST	CATEGORY15 CATEGORY15	1.10311264 1.10311284	1	4.377 0.5593	2.6012511 0.33239159
2012 2012				UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- B.C.M. ROADS	DUST	CATEGORY19	0.930753564	,	5.6111	3.33467673
2012			650-650-5400-0000		DUST FROM AGRICULTURAL LANDS (NON-PASTURE)	DUST	CATEGORY20	0.876033058	1	9.8887	4.49243641
2012				FUGITIVE WINDBLOWN DUST	DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS	DUST	CATEGORY21	1	ť	0.52	0.309036
2012	660-660-0000-0000	650-660-0000-0000	660-656-0200-0000	FIRES	STRUCTURAL FIRES	SOLID FUEL (UNSPECIFIED)	HOUSINGUNITS	1.097370983	1	0.0019	0.001862
2012				FIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF	1.367016206	1	0.0028	0.002751
2012			670-662-0262-0000		AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1		0,0005	0.00049175
2012 2012				WASTE BURNING AND DISPOSAL COOKING	RANGE IMPROVEMENT COMMERCIAL CHARBROILING	SOLID FUEL (UNSPECIFIED) FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY45 CATEGORY49	0.941056911 1.230769231	i f	6.0003 0.0764	0.00029475 0.05348
2012				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	850-876-1100-0000	OFF-ROAD RECREATIONAL VEHICLES	FOUR-WHEEL DRIVE VEHICLES	GASOLINE (UNSPECIFIED)	REG-4WD	1.219924812	1	0.0011	0.00099
2013 2013		1474 4961	050-005-0110-0000 099-995-0000-0000	MANUFACTURING AND INDUSTRIAL OTHER (FUEL COMBUSTION)	BOILERS OTHER	NATURAL GAS MATERIAL NOT SPECIFIED	SIC_14-135	1.087873462 1.032255065	1	0.004	0.004 0.000348
2013		9711	099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	SIC_494+-C7 FED_MIL-C7	0.808219178	1	0.0026	0.002262
2013		9711	060-005-1220-0000	SERVICE AND COMMERCIAL	BOILERS	DISTILLATE OIL (UNSPECIFIED)	FED_MIL-C2	0.674715909	4	0.0001	C.000976
2013		9223	060-005-0110-0000	SERVICE AND COMMERCIAL	BOILERS	NATURAL GAS	SIC_91-97C5	0.957643137	1	0.0021	0.0021
2013		9711	060-005-0110-0000	SERVICE AND COMMERCIAL	BOLERS	NATURAL GAS	FED_MIL-C5	0.844791667	1	0.0005	0.0005
2013		9711	060-005-0124-0000	SERVICE AND COMMERCIAL	BOILERS	PROPANE	FED_MIL-C3	0.851654216	1	0.0001	0.0001
2013 2013		1474 9711	099-995-0000-0000	MANUFACTURING AND INDUSTRIAL OTHER (FUEL COMBUSTION)	I.C. RECIPROCATING ENGINES OTHER	DIESEUDISTILLATE OIL (UNSPECIFIED) MATERIAL NOT SPECIFIED	SIC_14-out FED_MIL-out	1.270341207 1.033299697		0.0667 0.0006	0.0650992 0.0005856
2013		9711	060-045-1412-0000	SERVICE AND COMMERCIAL	LC. TURBINE ENGINES	KERONAPTHA JET FUEL	FED_MIL-out	1.033299697	1	0.0006	0.0005656
2013		9711	099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-I31	0.949117342	-	0.0002	0.0001852
2013		4931	020-045-0110-0000	COGENERATION	I.C. TURBINE ENGINES	NATURAL GAS	CATEGORY22	5.519480519	1	0,1468	0.1459192
2013		5032	060-040-1200-0000	SERVICE AND COMMERCIAL	I.C. RECIPROCATING ENGINES	DIESEL/DISTILLATE OIL (UNSPECIFIED)	SIC_5081-C2	0.978426396	1	0.0002	0.0001952
2013 2013		9711 4971	060-040-1200-0000 060-040-0110-0000	SERVICE AND COMMERCIAL SERVICE AND COMMERCIAL	1.C. RECIPROCATING ENGINES 1.C. RECIPROCATING ENGINES	DIESELIDISTILLATE OIL (UNSPECIFIED) NATURAL GAS	FED_MIL-C2 SIC 494+-out	0.674715909 1.295433364		0.0023	0.0022448
2013		9711	060-045-1400-0000	SERVICE AND COMMERCIAL	I.C. TURBINE ENGINES	JET FUEL (UNSPECIFIED)	FED_MiL-out	1.033299697	1	0.0034	0.0033796 0.003904
2013		2951	430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_2958 Sout	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		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.295160697	1	0.0004	0.000368
2013		3241	430-436-7016-0000	MINERAL PROCESSES MINERAL PROCESSES	STORAGE PILES	CEMENT	SIC_324-put	1.298160697	1	0.1554	0.142968
2013 2013		3241 3241	430-429-7018-0000 430-429-7018-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING		SIC_324-out SIC_324-out	1.298160697 1.298160697	1	6.0007 0.0007	0.000644 0.000644
2013		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.298160697	4	0.0004	0.000368
2013		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.298160597	1	0.0004	0.0002
2013		3241	430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.296160697	1	0.1605	0.14756
2013		3241	430-436-7023-0000	MINERAL PROCESSES	STORAGE PILES	CLINKER	SIC_324-out	1.298160697	1	0.2461	0.225412
2013 2013		3241 3241	430-429-7023-0000 430-429-7023-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER CLINKER	SiC_324-out SiC_324-out	1.298160697 1.298160697	1	0.0959 0.0661	0.068228 0.060812
2013		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-001	1.298160697	÷	0.0948	0.087216
2013		5032	430-995-7078-0000	MINERAL PROCESSES	OTHER	SAND/AGGREGATE	SIC_5081-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	0.3544
2013		3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1,298160697	1	0.3702	0.1851
2013		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.270341207	1	0.1339	0.06695
2013 2013		3241 1474	430-429-7016-0000 430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING OTHER	CEMENT POTASH	SiC_324-out	1.299160697	1	0.0386	0.0193
2013		1474	430-995-7064-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out SIC_14-out	1.270341207 1.270341207	1	0.9123 2.533	0.45615
2013		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.270341207	-	0.0017	0.00085
2013		1474	430-436-7072-0000	MINERAL PROCESSES	STORAGE PILES	POTASH	SIC_14-out	1.270341207	1	0.0437	0.02185
2013		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.270341207	1	0.0179	0.00895
2013 2013		1474 1474	430-995-7072-0000 430-995-7072-0000	MINERAL PROCESSES MINERAL PROCESSES	OTHER OTHER	POTASH POTASH	SIC_14-out SIC 14-out	1.270341207 1.270341207	1	0.003 0.0221	0.0015 0.01105
2013		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.270341207	4	0.0027	0.00135
2013		1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC 14-out	1.270341207	1	0.0033	0.00165
2013		1474		MANUFACTURING AND INDUSTRIAL	IN-PROCESS FUEL	NATURAL GAS	SIC_14-(35	1.087873462	1	0.13	0,13
2013		9711	130-130-0240-0000	INCINERATORS	INCINERATION	SOLIO WASTE (UNSPECIFIED)	FED_MIL-out	1.033299697	1	0.0063	0.00009
2013		9711 050.005.0000.0000	099-995-1400-0000	OTHER (FUEL COMBUSTION) MANUFACTURING AND INDUSTRIAL	OTHER OTHER	JET FUEL (UNSPECIFIED)	FED_MIL-out	1.033299697	1	0.0202	0.0197152
2013		060-995-0000-0000	060-995-0110-0000	SERVICE AND COMMERCIAL	OTHER	DISTILLATE OIL (UNSPECIFIED) NATURAL GAS	SIC_20-3931 CATEGORY33	1.542081448 1.145926589	1	0.0364 0.022	0.0355264 0.022
2013	430-420-0000-5000	430-420-3000-0000	430-422-7076-0000	MINERAL PROCESSES	SAND AND GRAVEL EXCAVATION AND PROCESSING	SAND/AGGREGATE	SIC 14-out	1.270341207	1	0.0698	0.0344
2013				MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.299145299	1	0.0366	0.01464
2013 2013					RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PRO		SIC_14-out	1.270341207	1	0.0072	6.0036
2013				MINERAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION SECONDARY METAL PRODUCTION	CEMENT CONCRETE MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_327-out SIC_334&9cut	1.309479554	3	0.005	0.0046 0.00553
2013	610-600-0000-0000	610-600-0000-0000	610-600-0230-0000		WOOD COMBUSTION - WOOD STOVES	WOOD	HOUS_AEO_R4	1.001	ł	0.13	0.12155
2013				RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES	GOOM	CATEGORY09	1.105058366	ŧ	0.2294	0.214489
2013			610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - SPACE HEATING	NATURAL GAS	CATEGORY10	0.916326531	•	0.0079	0.0079
2013 2013			610-608-0110-0000		FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1.107317073	1	0.0072	0.0072
2013		610-610-0000-0000 813 000-0000-0000	610-610-0110-0000		FUEL COMBUSTION - COOKING OTHER	NATURAL GAS NATURAL GAS	HOUS_AED_R3 HOUS AED R3	1.040877368		0.0006	0.0006
2013					OTHER	LIQUIFIED PETROLEUM GAS (LPG)	HOUS_AED_R3	1.040877368 0.915674603	1	0.0014 0.0005	0.0014 0.0005
2013				FARMING OPERATIONS	TILLING DUST	DUST	CATEGORY12	0.704449153	+	7.743	3.5176449
2013	520-520-0000-0000	620-620-0000-0000	620-615-5400-0000	FARMING OPERATIONS	HARVEST OPERATIONS - DUST	DUST	CATEGORY19	0.925561914	1	2.5942	1.17854506
2013				CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST	CATEGORY14	1.196069038	1	0.9746	0.47687178
2013 2013		530-520-0000-0000 630-630-0000-0000	630-624-5400-0000	CONSTRUCTION AND DEMOLITION CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST DUST	CATEGORY15 SIC_15-17emp	1.195589645 1.07790927	1	0.3658	0.17898594
2013	630-630-0000-0000	630-630-0000-0000	630-628-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - INDUSTRIAL BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST	SIC_15-17emp SIC_15-17emp	1.07790927	1	0.079 0.3742	0.0356547 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	1.07790927	ſ	2.1219	1.03624567
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 2013				PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	ON-ROAD_VMT	1.574620197	1	2.2322	1.02056184
2013				PAVED ROAD DUST PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST	ON-ROAD_VMT	1.574820197	t	0.3814	0.17437608
2013				UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST - LOCAL STREETS UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST DUST	ON-ROAD_VMT CATEGORY17	1.574620197	1	1.2537 4.3145	0.57319164
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		4.3(45)	2.56410735 2.61937725
2013		645-640-0000-0000	645-644-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- B.L.M. ROADS	DUST	CATEGORY 18	1.110894942		0.5632	0.33470976
2013		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			650-650-5400-0000 650-652-5400-0000	FUGITIVE WINDBLOWN DUST FUGITIVE WINDBLOWN CUST	DUST FROM AGRICULTURAL LANDS (NON-PASTURE) DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS	DUST	CATEGORY20	0,866735537	5	9.763	4.444169
2013	660-660-0000-0000	660-660-0000-0000	660-656-0200-0000	FIRES	STRUCTURAL FIRES	OUST SOUD FUEL (UNSPECIFIED)	CATEGORY21 HOUSINGUNITS	1.105160962	1	0.52 0.0019	0.309036 0.001862
2013	660-660-0000-0000	660-660-0000-0000	660-658-0200-0000	FIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	PCP+DOF	1.397521449	1	C.0028	3.002751
2013					AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	5	0.0005	0.00049175
2013 2013		690-680-0000-0000 690-680-0000-0000	630-680-6005-0000	WASTE BURNING AND DISPOSAL COOKING	RANGE IMPROVEMENT COMMERCIAL OHARBROILING	SOLID FUEL (UNSPECIFIED) FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY45 CATEGORY49	0.93597561	1	9,0003	0.00029475
					COMPENSIVE OF MEDICIENCE	COURSE REMOVEL OVER LEGADOR 12 (DISPECIFIED	UNIEGORT49	1.247451344	3	0.0775	0.05425

Alt Ale and A										
No. No. <td>2013 810</td> <td>0-810-0000-0000 810-810-0000-0000 810-805-1400-0000</td> <td>AIRCRAFT</td> <td>JET AIRCRAFT - MILITARY</td> <td>JET FUEL (UNSPECIFIED)</td> <td>FLT-MUET</td> <td>1.002982107</td> <td>1</td> <td></td> <td>2.8048288</td>	2013 810	0-810-0000-0000 810-810-0000-0000 810-805-1400-0000	AIRCRAFT	JET AIRCRAFT - MILITARY	JET FUEL (UNSPECIFIED)	FLT-MUET	1.002982107	1		2.8048288
	2013 820	1-820-0000-0000 820-820-0000-0006 820-820-1210-0000	TRAINS					0.70		
			MANUEACTURING AND INDUSTRIAL					1		
BAD BAD BAD BAD BAD					MATERIAL NOT SPECIFIED	SIC_494+-C7	1.032258065	4	0.0004	
No. No. <td></td> <td>1-03-004-02 9711 099-995-0000-0000</td> <td>OTHER (FUEL COMBUSTION)</td> <td>OTHER</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>		1-03-004-02 9711 099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER				1		
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And Processing Construction Constructin				I.C. TURBINE ENGINES				1		
	2014	2-02-001-02 9711 099-995-0000-0000	OTHER (FUEL COMBUSTION)					1		
		2-02-002-03 4931 020-045-0110-0000	COGENERATION					1		
Ale								ł		
								1		
				I.C. TURBINE ENGINES				1		
					ASPHALTIC CONCRETE			1		
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						SIC_324-out		1		
	2014							4		
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		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	
	2014	3-05-006-13 3241 430-429-7016-0000		CEMENT (PORTLAND AND OTHERS) MANUFACTURING				1		
App App <td></td> <td></td> <td>MINERAL PROCESSES</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>			MINERAL PROCESSES					1		
Bit Bit <td></td> <td></td> <td>MINERAL PROCESSES</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>			MINERAL PROCESSES					1		
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Image Image <th< td=""><td></td><td></td><td>MINERAL PROCESSES</td><td></td><td></td><td>SIC 324-out</td><td></td><td>1</td><td></td><td></td></th<>			MINERAL PROCESSES			SIC 324-out		1		
Bits Subsets S								1		
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						SIC_324-DUI		5		
			MINERAL PROCESSES			SIC 324-out		1		
ADD Stands Control MARCELARMING METCRED Control Stands Cont								4		
B B			MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out		1		
B B	2014	3-05-040-24 1474 430-995-7072-0000	MINERAL PROCESSES					1		0.00085
1.1 2.5.8.8.3 1.4 1.5.8.8.7 1.6.8 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 2.5.8.8.3 1.4 5.5.8.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 2.5.8.8.3 1.4 5.5.8.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 2.5.8.8.3 1.4 5.5.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 2.5.8.8.3 1.4 5.5.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 2.5.8.8.3 1.4 5.5.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 2.5.8.8.3 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 2.5.8.8.2 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.7.7 2.5.8.8.2 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.7.7 2.5.8.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.8.7 1.5.9.7 1.5.9.7 2.5.8.8.7 1.5.9.8.7 1.5.9.7 1.5.9.7 1.5.9.7 1.5.9.7 2.5.8.8.7 1.5.9.7 1.5.9.7 1.5.9.7 1.5.9.7 1.5.9.7 2.5.8.8.7 1.5.9.7 1.5.9.7								1		
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Bit All Control Bit All Co		3-05-040-33 1474 430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.30183727	1	0.0026	
Bit 1 Intellight of the based								1		
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Bit Bit <td>2014 430</td> <td>0-420-0000-0000 430-420-0000-0000 430-422-7078-0000</td> <td>MINERAL PROCESSES</td> <td>SAND AND GRAVEL EXCAVATION AND PROCESSING</td> <td>SAND/AGGREGATE</td> <td>SIC_14-out</td> <td>1.30183727</td> <td>1</td> <td>0.0705</td> <td></td>	2014 430	0-420-0000-0000 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	
Bit Add Add Cols Cols Cols Cols Cols Cols Cols Cols	2014 430	0-420-0000-0000 430-420-0000-0000 430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out		1		
Bit 64.44 ±000 cold dual doctor 000 chards 1000 cold parts METAL RODUCT 10 1000 cold parts No. 1 0.017 0.0278 Cold cold dual doctor 000 chards 1000 cold parts METAL RODUCT 10 1000 cold parts METAL RODUCT 10 1000 cold parts No. 1 0.017 0.0278 0.017 0.0278	2014 430	0-430-0000-0000-430-430-0000-0000-430-426-7075-0000	MINERAL PROCESSES 3	RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PRO CEMENT CONCRETE MANUFACTURING AND EARRICATION	U. SAND/AGGREGATE			1		
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Bits Bits Dist Dist <thdist< th=""> Dist Dist <thd< td=""><td></td><td></td><td></td><td>WOOD COMBUSTION - WOOD STOVES</td><td></td><td>HOUS_AEC_R4</td><td>1.002</td><td>-</td><td></td><td></td></thd<></thdist<>				WOOD COMBUSTION - WOOD STOVES		HOUS_AEC_R4	1.002	-		
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Bit In Electron Control Allow Contr	2014 610	0-610-0000-0000 610-610-0000-0000 610-606-0110-0000	RESIDENTIAL FUEL COMBLISTION					1		
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D10 D11 D11-D2-D2 PTIOL MA GAS LPG CDUFE D12-D2-D2 PTIOL MA GAS LPG CDUFE CDUFE </td <td>2014 610</td> <td>1-010-0300-0500 611-000-0000-0000 610-870-0110-0000</td> <td>RESIDENTIAL FUEL COMBUSTION</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>	2014 610	1-010-0300-0500 611-000-0000-0000 610-870-0110-0000	RESIDENTIAL FUEL COMBUSTION					1		
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211 40.45.000.0000 50.45.000.0000 </td <td></td> <td></td> <td></td> <td>BUILDING CONSTRUCTION DUST - RESIDENTIAL BUILDING CONSTRUCTION DUST, COMMERCIAN</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>				BUILDING CONSTRUCTION DUST - RESIDENTIAL BUILDING CONSTRUCTION DUST, COMMERCIAN				1		
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2014 61-56-020-0000 64-56-560-000-0000								t		
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2014 Bit-Bit-Bit-Bit-Bit-Bit-Bit-Bit-Bit-Bit-				PAVED ROAD TRAVEL DUST - FREEWAYS				1		
211 806-80-000-000 84-000-00000 84-000-0000 84-000-0000				PAVED ROAD TRAVELOUST - MAJOR STREETS				1		
214 845-840-0000-000 845-843-8400-0000 UHPAVE ROAD DUST UHPAVE ROAD								1		
2014 645-640-000000 645-640-50000 UMPAKEE ROAD LUST UMPAKEE ROAD LUST LUMPAKEE ROAD LUNPAKEEROND LUST LUMPAKEE ROAD LUST <td></td> <td></td> <td></td> <td>UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS</td> <td></td> <td></td> <td>1</td> <td>1</td> <td></td> <td></td>				UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS			1	1		
2014 615-580-000-0000 615-680-000-0000			UNPAVED ROAD DUST					1		
2014 6856-0000.0000 6856-00000.0000 6857-0000-0000 6857-000-0000 6857-000-0000 6857-000-0000 6857-000-0000 6857-000-0000 6857-000-0000								:		
2014 636.6500.0000 656.55.4500.0000 FUGTIVE WINDBLOWN DUST DUST FROM WINAWED ROADS AND ASBOALTED AREAS DUST CATEGORY1 1 C.82 D33500 2014 666.6500.0000 666.6500.0000 666.6500.0000 666.6500.0000 666.6500.0000 666.6500.0000 666.6500.0000 666.6500.0000 666.6500.0000 666.6500.0000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.000000 676.6500.000000 676.6500.000000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00000 676.6500.00				UNPAVED ROAD TRAVEL DUST- FARM ROADS DUST FROM AGRICULTURAL LANDS (NON-DASTURE)				1		
210 840-880-0000.0000 680-880-000000000 680-880-0000000000000000000000000000000								1		
2114 670-680-0000-0000 670-682-0000-0000 FOR Set Subscience AGRICULTURAL WASTE CATEGORY4 1 1 0.0002 0.0002175 2141 670-680-00000 600-680-0000	2014 660	0-660-0000-0000 660-660-0000-0000 660-656-0200-0000	FIRES	STRUCTURAL FIRES	SOLID FUEL (UNSPECIFIED)		1.112950341	1		
2014 670-882-000-0000 670-882-000-0000 670-882-000-0000 600-870-882-000-0000 600-870-882-000-0000 600-870-882-000-0000 600-869-800-00000 600-869-800-800-8000 600-869-800-80000000 600-869-800-800000000 600-869-800-8000000000000000000000000000	2014 660	0-660-0000-0000 660-660-0000-0000 660-658-0200-0000	FIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	POP-DOF		1		0.00284925
214 860-860-0000-8000-800-800-800-800-800-80							1	1		
214 310-310-0000-9000 910-310-0000-9000 910-310-0000-9000 910-310-0000 910-300-0000 910-300-0000 910-300-0000 910-300-0000 910-300-0000 910-300-0000 910-300-0000 910-300-0000 910-300-0000 910-300-0000 910-300-0000 910-300-0000					SOLUTIONSPECIFIED)			1		
2014 820-820-0000-0000 820-820-000000 820-820-0000000000 820-820-					JET EUEL (UNSPECIPIED)			4		
2014 850-480-0000-3000 850-876-1106-0000 OPF-R-0AD RECRATIONAL VEHCLES FOUR-WHELL DRIVE VEHCLES GASCUME (UNSPECIFIED) REG-4WO 1.26863076 1 0.0014 0.00041 2015 1-02-006-10 4961 099-985-0000-0000 OTHER (FUEL COMBUSTION) OTHER MATERIAL NOT SPECIFIED FED_MIL-C2 0.80356273 1 0.0024 0.00248 2015 1-03-064-02 9711 099-085-0000-0000 SERVICE AND COMMERCIAL BOLERS DISTILLATE OLI UNSPECIFIED) FED_MIL-C2 0.80356273 1 0.0024 0.00076 2015 1-03-060-02 9213 060-050-110-0000 SERVICE AND COMMERCIAL BOLERS DISTILLATE OLI UNSPECIFIED) FED_MIL-C3 0.89356273 1 0.0021 0.00076 2015 1-03-010-02 9711 060-005-0110-0000 SERVICE AND COMMERCIAL BOLERS NATURAL GAS FED_MIL-C3 0.89356373 1 0.0021 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001		0-820-0000-0000 820-820-0000-0000 820-820-1210-0000	TRAINS	LOCOMOTIVES - ROAD HAULING				0.76		
215 1-02-024-02 9491 999-95-0000-0000 OTHER (FUEL COMBUSTION) OTHER MATERIAL NOT SPECIFIED FED_ML-C7 1.02236(65 1 0.002 0.0023/8 2015 1-02-064-02 9711 099-955-0000000 SERVICE AND COMMERCIAL BOLERS DISTILLATE OL LUNSPECIFIED) FED_ML-C2 0.803852273 1 0.0024 0.0027/8 2015 1-02-064-02 9711 060-050-110-0000 SERVICE AND COMMERCIAL BOLERS NATURAL GAS SIC_91-705 0.835456667 1 0.002 0.0007/8 2015 1-02-004-02 9711 060-050-110-0000 SERVICE AND COMMERCIAL BOLERS NATURAL GAS FED_ML-C3 0.834165667 1 0.002 0.0001 </td <td>2014 850</td> <td>0-880-0000-0000 850-880-0000-0000 850-876-1100-0000</td> <td>OFF-ROAD RECREATIONAL VEHICLES</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>0.0011</td> <td></td>	2014 850	0-880-0000-0000 850-880-0000-0000 850-876-1100-0000	OFF-ROAD RECREATIONAL VEHICLES					1	0.0011	
2015 1-05/064-02 9711 09/945-0000 OCHER (FUEL COMUSTION) OTHER MATERIAL NOT SPECIFIED FED_MIL-27 0.800580:11 1 0.0028 2015 1-05/064-02 9213 080-005/0110-0000 SERVICE AND COMMERCIAL BOILERS NATURAL GAS FED_MIL-27 0.800580:2373 1 0.0028 0.0021 2015 1-05/064-02 9711 060-005/0110-0000 SERVICE AND COMMERCIAL BOILERS NATURAL GAS FED_MIL-23 0.8001960:06667 1 0.0021 0.00011 0.0001	2015		MANUFACTURING AND INSUSTRIAL			SIC_14-135		1		
215 1-05-056-01 9711 060-05-1220 0000 SERVICE AND COMMERCIAL BOLERS DISTILLATE OLI LUNSPECIPIED) FED_MIL-C2 0.683352273 1 0.00071 2015 1-05-056-02 920 060-055-010-000 SERVICE AND COMMERCIAL BOLERS NATURAL GAS FED_MIL-C3 0.884165667 1 0.00071 2015 1-05-050-02 9711 060-050-010-000 SERVICE AND COMMERCIAL BOLERS NATURAL GAS FED_MIL-C3 0.884165667 1 0.0001 0.0001 2015 2-010-010-2 9711 060-045120-000 MANUFACTURING AND INDUSTNIAL L.C.RECIPROCATING ENGINES DIESLIDISTILLATE OLI LUNSPECIFIED) SIL 1 0.006 0.00064 2015 2-010-010-2 9711 060-045120-0000 SERVICE AND COMMERCIAL LC.RECIPROCATING ENGINES DIESLIDISTILLATE OLI LUNSPECIFIED) FED_MIL-01 1.072653865 1 0.003 0.003416 2015 2-010-010-2 9711 060-045120-0000 SERVICE AND COMMERCIAL L.C.RECIPROCATING ENGINES NATURAL GAS CATEGORY22 8.86413566 1 <						SIU_R94+-C/		1		
2015 1-02-006-02 9223 080-005-0110-0000 SERVICE AND COMMERCIAL BOILERS NATURAL GAS FE3_MILC5 0.897943137 1 0.0021 2015 1-02-006-03 9711 060-005-0110-0000 SERVICE AND COMMERCIAL BOILERS PROPANE FE3_MILC5 0.897943137 1 0.0021 2015 1-03-010-02 9711 060-005-0124-0000 SERVICE AND COMMERCIAL BOILERS PROPANE FE3_MILC5 0.897943102 1 0.0021 0.0021 2015 2-01-001-02 9711 069-045-0124-0000 SERVICE AND COMMERCIAL DTHER MORE NOT SERVICE MID COMMERCIAL 0.0021 0.0031 2015 2-01-001-02 9711 069-045-000 OMMERCIAL DTHER MATERIAL NOT SPECIFIED FED_MIL-31 1.072553886 1 0.0035 0.001452 2015 2-00-001-02 9711 069-045-000 OMERCIAL DTHER MATERIAL NOT SPECIFIED FED_MIL-31 0.971962817 1 0.0022 0.001452 2015 2-00-001-01 9711 069-045-0120-0000	2015	1-03-005-01 9711 060-005-1220-0000	SERVICE AND COMMERCIAL			FED MIL-C2	0.509069041	1		
2015 1-C5-008-03 9711 060-005-0110-000 SERVICE AND COMMERCIAL BOILERS NATURAL GAS FEMIL-G3 0.884 r66667 1 0.0005 0.0005 2015 1-03-010-02 1474 06-00-051/020-000 MANUFACTURING AND 'NOUSTRIAL L.C.RECIPROCATING ENGINES DIESLIDISTILLATE OLI (UNSPECIFED) SIL 1 0.006 0.0005 2015 2-01-001-02 9711 06-045/210-000 MANUFACTURING AND 'NOUSTRIAL L.C.RECIPROCATING ENGINES DIESLIDISTILLATE OLI (UNSPECIFED) SIL 1 0.006 0.0005 2015 2-01-001-02 9711 06-045/210-0000 SERVICE AND COMMERCIAL L.C.RECIPROCATING ENGINES KERONAPTHA JET FUEL FED_MIL-01 1.02253865 1 0.003 0.0001 80 0	2015	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
2-01-001-02 1474 059-040-120-0000 MANUFACTURING AND /NUSFAIL L.G. RECIPROCATING ENGINES CIESEL/DISTILLATE OL (UNSPECIFED) SIC_14-out 1.22233464 1 0.069 0.0667 2015 2-01-001-02 9711 059-045-000000 SERVICE AND COMMERCIAL L.C. TREINE ENGINES KERONAPTHA JET FUEL FED_MIL-out 1.272533865 1 0.030 0.000140 2015 2-00-001-02 9711 059-045-0000000 SERVICE AND COMMERCIAL L.C. TREINE ENGINES KERONAPTHA JET FUEL FED_MIL-out 1.272533865 1 0.030 0.000140 2015 2-00-001-01 9391 059-045-010-0000 SERVICE AND COMMERCIAL L.C. TREINPECATING ENGINES NATURAL GAS CATEGORY22 8.5641350 1 0.022 0.002 0.0021962 2015 2-03-002-01 9711 050-040-1020 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES DIESEL/DISTILLATE OL (UNSPECIFIED) SIG_14-out 1.3317247 1 0.002 0.002446 2015 2-04-001-01 9711 050-045-100000 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES DIESEL/DISTILLATE OL (UNSPECIFIED) SIG_14-out 1.34160772					NATURAL GAS	FED_MIL+C5	0.854166667	1	0.0005	0.0005
2015 2-01-00-10-2 9711 099-95-0000-0000 OTHER (FUEL COMUSTION) OTHER MATEAIL NOT SPECIFIED FED_MIL-oxt 1.072553865 1 0.003 0.0035 0.0035 0.000452 2015 2-01-00-011 9711 050-05-0500 OTHER (FUEL COMUSTION) OTHER MATEAIL NOT SPECIFIED FED_MIL-0xt 1.072553855 1 0.0035 0.000452 2015 2-02-001-02 9711 050-05-0500 OTHER (FUEL COMUSTION) OTHER MATEAIL NOT SPECIFIED FED_MIL-0xt 1.072553855 1 0.0035 0.000452 2015 2-02-002-03 4331 020-055-010-000 SERVICE AND COMMERCIAL LC. TURBINE ENCINES MATEAIL AGS CATEORY22 856415356 1 0.002 0.0001952 2015 2-03-001-01 5032 060-040-1020-0000 SERVICE AND COMMERCIAL LC. RECIPROCATING ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED) SIC. 503.1-C2 0.97715736 1 C.0022 0.0022446 2015 2-03-001-01 9711 060-040-10-0000 SERVICE AND COMMERCIAL LC. RECIPROCATING ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED) SIC. 503.1-C2 0.97715736 1	2015				PROPANE DIESELUISTILLATE ON (UNIOPEO/DED)		0.880192102	1		
2015 2-01-009-01 9711 050-0451412-000 SERVICE AND COMMERCIAL L.C.TURBINE ENGINES TERONAPTHA JET PUEL FED_MIL-01 1.072853885 1.0035 0.003416 2015 2-02-001-02 9711 059-050-000 OTHER (FUEL COMBUSTION) OTHER MATERAL NOT SPECIFIED FED_MIL-01 1.072853885 1 0.003416 2015 2-02-001-02 9431 020-045-010-000 CGENERATION I.C.TURBINE ENGINES NATURAL CAS CATEGORY22 8.5661/3556 1 C.22240 0.22040 0.00316 0.0032 0.003162 2015 2-05-001-01 9711 050-000-000 SERVICE AND COMMERCIAL I.C. RECIPROCATING ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED) FED_MIL-02 0.63352.273 1 0.0032 0.002476 2015 2-03-001-01 971 050-000-00 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES NATURAL CAS SIG. 401out 1.072853825 1 0.0032 0.002476 2015 2-03-001-01 971 050-000-000 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES				OTHER	MATERIAL NOT SPECIFIED			1		
2015 2-02-001-02 9711 059-985-0060-0000 CTHER (FUEL COMUSTION) OTHER MATERAL NOT SPECIFIED FED_MIL-131 0.971962617 1 0.0022 0.001952 2015 2-02-002-08 4931 02-0450-10000 SERVICE AND COMMERCIAL LC. TURENE NEINES NATURAL GAS CATEGORY22 8.5641-0356617 1 0.0022 0.0001952 2015 2-00-001-01 5932 660-M01200-0000 SERVICE AND COMMERCIAL LC. RECIPROCATING ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED) FED_MIL-02 0.683352733 1 0.0032 0.002446 2015 2-03-002-01 4974 06-0451400-0000 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES DIESEL/DISTILLATE OIL (UNSPECIFIED) FED_MIL-02 0.683352733 1 0.0032 0.003479 2015 2-03-002-01 4974 06-0451400-0000 SERVICE AND COMMERCIAL LC. RECIPROCATING ENGINES NATURAL GAS SIG_L44+-out 1.34105472 1 0.003479 2015 2-04-010-11 2914 04-0541400-0000 SERVICE AND COMMERCIAL LC. RECIPROCATING ENGINES JATURA		2-01-009-01 9711 060-045-1412-0000	SERVICE AND COMMERCIAL		KERONAPTHA JET FUEL			1		
215 2-02-002-03 4931 020-045-0110-0000 CCGEMERATION I.C.TURENE ENCIRES NATURAL GAS CATEGORY22 8.8641356 1 C.2204 0.2270286 2015 2-06-001-01 5971 660-0601/020-0000 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES DIESELDISTLILATE OIL (UNSPECIFIED) SIG. 503-1c-2 0.9771/576 1 0.002 0.002246 2015 2-03-020-10 9711 660-0401/0000 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES DIESELDISTLILATE OIL (UNSPECIFIED) FED_MIL-C2 0.683352273 1 0.0032 0.003246 2015 2-03-020-10 9711 660-0401/10-000 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES NATURAL GAS SIG. 40+-out 1.3106972 1 0.0032 0.003246 2015 2-045-001-01 9711 060-045-010000 SERVICE AND COMMERCIAL L.C. TURBINE ENCINES NATURAL GAS SIG. 40+-out 1.31076972 1 0.0032 0.00324 2015 2-045-001-01 9711 060-045-010000 SERVICE AND COMMERCIAL L.C.TURBINE ENCINES <	2015	2-02-001-02 9711 099-995-0000-0000	OTHER (FUEL COMBUSTION)	OTHER	MATERIAL NOT SPECIFIED	FED_MIL-131		4		
2015 2-03-001-01 9711 060-M0-10200-0000 SERVICE AND COMMERCUL LC. RECIPROCATING ENGINES DIESEL/DIST.LLATE OL (UNSPECIFIED) FED_ML-C2 0.683352/73 1 0.00224/8 2015 2-03-002-01 4971 660-M0-100-000 SERVICE AND COMMERCUL LC. RECIPROCATING ENGINES NATURAL CAS SIC 441-vart 1.34105672 1 0.0032 0.00224/8 2015 2-03-002-01 9711 060-M0-10000 SERVICE AND COMMERCUL L. C. RECIPROCATING ENGINES NATURAL CAS SIC 441-vart 1.34105672 1 0.0035 0.00316 2015 2-04-001-01 9711 060-M0-5100000 SERVICE AND COMMERCUL L. C. TURBINE ENDINES STELUE, (UNSPECIFIED) FED_ML-01 1.32453885 1 0.0021 0.0021 2015 3-05050-01 2814 3342429-7016-0000 MINERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURINS CEMENT CATEGORY38 1.33172147 1 C.6894 0.631488 2015 3-050506-07 3241 439-429-7016-0000 MINERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURINS					NATURAL GAS	CATEGORY22	8.586413566	1	C.2284	0.2270296
2015 2-03-002-01 4974 060-040-0110-0000 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES NaTURAL CAS SIC 241ut 1.34103/72 1 0.033479 2015 2-04-001-01 9711 060-0451-000000 SERVICE AND COMMERCIAL L.C. RECIPROCATING ENGINES JET FUEL (UNSPECIFIED) FED MIL-out 1.34103/72 1 0.033479 2015 2-04-001-01 9711 060-0451-00000 SERVICE AND COMMERCIAL L.C. TURSPIEL FUNCTION ASPHALTIC CONCRETE SIC 241ut 1.34103/72 1 0.033479 2015 3-05-002-01 2951 430-424-7006-0000 MINERAL PROCESSES ASPHALTIC CONCRETE PRODUCTION ASPHALTIC CONCRETE SIC 2454ut 1.3417683 1 0.0021 0.00084 2015 3-05-002-01 2951 430-429-706-0000 MINERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT CATEGORY38 1.33172/47 1 C.6894 0.6914.88 2015 3-05-0050-7 3/241 430-429-7016-0000 MINERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT CATEGORY38					DIESEL/DISTILLATE OIL (UNSPECIFIED)			1		
2015 2-04-001-01 9711 060-045-1400-000 SERVICE AND COMMERCIAL I.C. TURBINE ENGINES JET FUE (UNSPECIFIED) FED (UNSPECIFI								1		
2015 3-05-002-01 2951 430-424-7006-0000 MINERAL PROCESSES ASPHALTIC CONCRETE PRODUCTION ASPHALTIC CONCRETE 510, 2983-9-at 1:39477683 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 C.6864 0.691488 2015 3-05-006-07 3241 430-429-7016-0000 MINERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT CATEGORY38 1.33172147 1 C.6864 0.69148 2015 3-05-006-07 3241 430-429-7016-0000 MINERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT SC_324-or 1.30106496 1 C.0004 0.000569				I.C. TURBINE ENGINES		SIG_494+-OUT FED_Mil-out		1		
2015 3-05-006-06 3241 430-429-7016-0000 MINERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT CATEGORY38 1.33172147 1 C.6854 0.631488 2015 3-05-006-07 3241 430-429-7016-0000 MINERAL PROCESSES CEMENT (PORTLAND AND OTHERS) MANUFACTURING CEMENT SIC_224-0xt 1.330106496 1 C.0934 0.00368	2015	3-05-002-01 2951 430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SIC_295&9out	1.349477683	÷	0.0021	0.00084
		3-05-006-06 3241 430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	CATEGORY38	1.33172147	f	0.6864	0.631468
								1		
	2010	0-00-000400 0247 400-400-7010-0000	MEMERAL FRUGESSES	STORAGE PILES	CEMENT	310_324-007	1,000106486	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	1.330105486	4	0.0004	0.000365
2015	3-05-006-13	3241	430-429-7016-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CEMENT	SIC_324-out	1.330106486	1	0.5064	0.0002
2015	3-05-006-14	3241	430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.330106436	1	0.1645	0.15134
2015	3-05-006-15	3241	430-436-7023-0000	MINERAL PROCESSES	STORAGE PILES	CLINKER	SIC_324-cut	1.330106466	t .	C.2521	0.231932
2015	3-05-006-15	3241	430-429-7023-0000	MINERAL PROCESSES	CEMENT (PORTLAND AND OTHERS) MANUFACTURING	CLINKER	SIC_324-out	1.330105486	-	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	C.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	•	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	;	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	0.8003	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	4	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	4	0.9495	0.4748
2015	3-05-040-22	1474	430-995-7364-0000	MINERAL PROCESSES	OTHER	NON-METALLIC MINERALS (UNSPECIFIED)	SIC_14-out	1.322834646	3	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	4	0.0455	0.02275
2015	3-05-040-30	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-out	1.322634646	1	0.0186	0.0093
2015	3-05-040-31	1474	430-995-7072-0000	MINERAL PROCESSES	CTHER	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		0.023	0.0115
2015	3-05-040-33	1474	430-995-7072-0000	MINERAL PROCESSES	OTHER	POTASH	SIC_14-curi	1.322834646	5	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_14-135	1.120366643	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		0.0003	0.00009
									1		
2015	5-01-006-01	9711	099-995-1400-0000	OTHER (FUEL COMBUSTION)	OTHER	JET FUEL (UNSPECIFIED)	FED_MIL-out	1.072653885	7	0.021	0.020496
2015	050-995-0000-0000	050-995-0000-000	0 050-995-1220-0000	MANUFACTURING AND INDUSTRIAL	OTHER	DISTILLATE OIL (UNSPECIFIED)	SIC 20-39/31	1.60361991	1	0.0379	0.0369904
2015	080-005-0000-0000	080 595 0000 000	0 060-995-0110-0000	SERVICE AND COMMERCIAL	OTHER	NATURAL GAS	CATEGORY33	1.156669651		C.0222	0.0222
2015			0 430-422-7078-0000	MINERAL PROCESSES	SAND AND GRAVEL EXCAVATION AND PROCESSING	SAND/AGGREGATE	SIC_14-out	1.322634646	;	0.0717	0.03585
2015	430-420-0000-0000	430-420-0000-000	0 430-424-7006-0000	MINERAL PROCESSES	ASPHALTIC CONCRETE PRODUCTION	ASPHALTIC CONCRETE	SiC 2958.9out	1.349477683	1	0.038	0.0152
2015	430-430-0000-0000	430-430-0000-000	0 430-426-7078-0000	MINERAL PROCESSES	RUSHED STONE EXCAVATION AND PROCESSING (AGGREGATE PROD	SAND/AGGREGATE	SIC 14-out	1.322834646	1	C.0075	0.00375
2015			0 430-430-7018-0000	MINERAL PROCESSES	CEMENT CONCRETE MANUFACTURING AND FABRICATION	CEMENT CONCRETE	SIC 327-out	1.352230483		C.0052	0.304784
									2		
2015			0 440-440-7000-0000	METAL PROCESSES	SECONDARY METAL PRODUCTION	MINERAL AND METAL PRODUCTS (UNSPECIFIED)	SIC_334&9out	1	1	C.CO79	0.00553
2015	610-600-0000-0000	610-600-000-000	0 610-600-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - WOOD STOVES	WOOD	HOUS AEO R4	1.003	1	0.1302	0.121737
2015			0 610-602-0230-0000	RESIDENTIAL FUEL COMBUSTION	WOOD COMBUSTION - FIREPLACES	WOOD	CATEGORY09	1,120622568		0.2326	0.217481
									4		
2015			0 610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - SPACE HEATING	NATURAL GAS	CATEGORY13	0.904081633	1	C.0078	0.0078
2015	610-610-0000-0000	610-610-0000-000	0 610-606-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION - WATER HEATING	NATURAL GAS	CATEGORY11	1,12	1	0.0072	0.0372
2015	610-610-0000-0000	610-610-000-000	0 610-610-0110-0000	RESIDENTIAL FUEL COMBUSTION	FUEL COMBUSTION + COOKING	NATURAL GAS	HOUS_AED_R3	1.050647458	4	0.0006	0.0006
							10000_AL0_10				
2015			0 610-995-0110-0000	RESIDENTIAL FUEL COMBUSTION	OTHER	NATURAL GAS	HOUS_AEO_R3	1.050847458	1	0.0014	0.0014
2015	611-000-0000-0000	611-000-0000-000	0 610-995-0120-0000	RESIDENTIAL FUEL COMBUSTION	OTHER	LIQUIFIED PETROLEUM GAS (LPG)	HOUS AED R2	0.69781746	۲.	C.0005	0.0005
2015	620-610-0000-0000	620-610-000-000	0 620-614-5400-0000	FARMING OPERATIONS	TILLING DUST	DUST	CATEGORY12	0.656779681	•	7.2206	3.28031858
2015			0 620-615-5400-0000	FARMING OPERATIONS	HARVEST OPERATIONS - DUST	CUST			2		
							CATEGORY19	0.914469285	1	2.5634	1.16455262
2015			0 630-622-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - RESIDENTIAL	DUST	CATEGORY14	1.217636023	1	0.9923	0,48553239
2015	630-620-0000-0000	630-620-0000-000	0 630-624-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- COMMERCIAL	DUST	CATEGORY15	1.217641419	1	0.3726	0.18231318
2015	630.630.0000.0000	630-630-0000-000	0 630-626-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST- INDUSTRIAL	DUST	SIC 15-17emp	1.07790927		C.0791	0.03870363
2015			0 630-628-5400-0000	CONSTRUCTION AND DEMOLITION	BUILDING CONSTRUCTION DUST - INSTITUTIONAL	DUST					
							SIC_15-17emp	1.07790927	1	0.3745	0.18324285
2015			0 630-634-5400-0000		ROAD CONSTRUCTION DUST	QUST	SIC_15-17emp	1.07790927	1	2,1238	1.03917534
2015	640-640-0000-0000	640-640-0000-000	0 640-635-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - FREEWAYS	DUST	ON-ROAD VMT	1.670241287	*	C.6595	0.3010662
2015			0 640-637-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - MAJOR STREETS	DUST	ON-ROAD VMT	1.670241287			
									Ŧ	2.3676	1.08246672
2015			0 640-639-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - COLLECTOR STREETS	DUS7	ON-ROAD_VMT	1.670241287	1	0.4045	0.1849374
2015	640-640-0000-0000	640-640-0000-000	0 640-641-5400-0000	PAVED ROAD DUST	PAVED ROAD TRAVEL DUST - LOCAL STREETS	DUST	ON-ROAD VMT	1.670241287	*	1.3297	0.60793884
2015	645-640-0000-0000	645-640-0000-000	0 645-638-5400-0000	UNPAVED ROAD CUST	UNPAVED ROAD TRAVEL DUST- CITY AND COUNTY ROADS	DUST	CATEGORY17	4		4,3145	2.56410735
2015			0 645-640-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- U.S. FOREST AND PARK ROADS	DUST	CATEGORY18	1.126459144	1	4.4705	2.65681815
2015			0 645-644-5400-0000	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	645-650-0000-000	0 645-646-5400-0000	UNPAVED ROAD DUST	UNPAVED ROAD TRAVEL DUST- FARM ROADS	DUST	CATEGORY19	0.91446C2B5	4	5.5155	3.27786165
2015			0 650-650-5400-0000	FUGITIVE WINDBLOWN DUST	CUST FROM AGRICULTURAL LANDS (NON-PASTURE)	Taud	CATEGORY20				
								0.847107438	4	9.5566	4.34156338
2015			0 850-652-5400-0000	FUGITIVE WINDBLOWN DUST	DUST FROM UNPAVED ROADS AND ASSOCIATED AREAS	DUST	CATEGORY21	1	1	9,52	0.309036
2015	660-660-0000-0000	650-650-0000-000	0 660-656-0200-0000	FIRES	STRUCTURAL FIRES	SOUD FUEL (UNSPECIFIED)	HOUSINGUNITS	1.120740019	1	0.0019	0.001862
2015			0 660-658-0200-0000	FIRES	AUTOMOBILE FIRES	SOLID FUEL (UNSPECIFIED)	PCP-DOF	1.458531535	2	0.0029	0.00264925
									1		
2015			0 670-662-0262-0000	WASTE BURNING AND DISPOSAL	AGRICULTURAL BURNING - FIELD CROPS	AGRICULTURAL WASTE	CATEGORY44	1	1	C.0005	0.00049175
2015			0 670-664-0260-0000	WASTE BURNING AND DISPOSAL	RANGE IMPROVEMENT	SOLID FUEL (UNSPECIFIED)	CATEGORY45	0.926829268	1	0.0002	0.0001965
2015	690-680-0000-0000	690-680-0000-000	0 690-660-6000-0000	COOKING	COMMERCIAL CHARBROILING	FOOD AND AGRICULTURAL PRODUCTS (UNSPECIFIED	CATEGORY45	1.281742354	1	C.0796	0.05572
2015			0 810-606-1400-0000	AIBCRAFT	JET AIRCRAFT - MILITARY				:		
						JET FUEL (UNSPECIFIED)	FLT-MJET	1.002962107	3	2.8738	2.8046268
2015			0 820-820-1210-0000	TRAINS	LOCOMOTIVES - ROAD HAULING	DIESEL (UNSPECIFIED)	EMP-RAIL	0.956479691	0.75	0.0435	0.6435
2015	850-880-0000-0000	850-880-0000-000	0 850-876-1100-0000 0	OFF-ROAD RECREATIONAL VEHICLES	FOUR-WHEEL DRIVE VEHICLES	GASOLINE (UNSPECIFIED)	REG-4WD	1,27443609	1	C.0011	0.00099
									¢	a.a	0.00000

<u>Appendix C</u> <u>Kern County Portion Of Indian Wells Valley PM₁₀ Emission Inventories</u> <u>Tons/Day</u>

	<u>1991</u>	<u>1994</u>	<u>1997</u>	
<u>Stationary</u>				
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

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

Enclosure (1)

D-1

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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) <u>Public Works Compound</u>: 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) <u>Building 25007 (SNORT) and vicinity</u>: 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) <u>Chlorination Facility South of the Waste Water Treatment Plant</u>: 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) <u>China Lake Gun Club</u>: 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 as 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) <u>Ordnance Impact Areas</u>: "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) <u>Drainage Berms near Hangars 4 and 5</u>: 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) <u>Hangars 4 and 5</u>: 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) <u>Overrun Areas at Armitage Field</u>: 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) <u>Vicinity of Old Roundhouse</u>: 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) <u>Miscellaneous unpaved parking areas</u>: 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) <u>Berms around industrial waste water ponds</u>: 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 Chlna 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) <u>Borrow Pit off of Sandquist Road</u>: 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) <u>Old Borrow Pit east of the Golf Course</u>: 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) <u>Open Storage Piles</u>: 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) <u>Public Works Compound</u>: 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) <u>Building 25007 (SNORT) and vicinity</u>: 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) <u>Chlorination Facility South of Waste Water Treatment Facility</u>: 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) <u>China Lake Gun Club</u>: 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) <u>Ordnance Impact Areas</u>: 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) <u>Drainage Berms near Hangars 4 and 5</u>: 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) <u>Hangars 4 and 5</u>: 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.

August 31, 1994

5

(h) <u>Overrun Areas at Armitage Field</u>: 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) <u>Vicinity of Old Roundhouse</u>: 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. Nontraffic areas will be allowed to revegetate naturally.

(j) <u>Unpaved Parking Areas</u>: 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) <u>Berms around industrial waste water ponds</u>: 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) <u>Borrow Pit off of Sandquist Road</u>: 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) <u>Old Borrow Pit east of the Golf Course</u>: 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) <u>Open Storage Piles</u>: 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.

<u></u>		CONTROL MEASURE(S)					
	SOURCE		reveg ²	water	chem	pave	cover ³
3	Hangar 4 Access Road			0		b ·	1
2	Bldg 25007 and vicinity (SNORT)				0		
2	Magazette areas SW of Bldg 25007 and west of Bldg 25037				•		
	Borrow pit on Sandquist Road	*		8			
5	Berms at Industrial Waste Water Ponds	D					
6	Chlorination Facility So. of WWTF			¢			•
7	Old Borrow Pit east of Golf Course	•			1		
8	Public Works Compound					1	•
9	Shops area east of PW Compound				•	1	•
10	China Lake Gun Club	2	1	•	1		1
11	Various ordnance impact areas	•					
	Hangar 4/5 area - drainage burms	•					
13	Hangar 4/5 - between apron and fence	•	1	1	•		
14	Vicinity of old Roundhouse	0	-		•		•
15	Overrun areas at ends of runways	0				•	
n/a	Various Open Storage Piles	•				<u> </u>	•
n/a	Miscellaneous Parking Areas		-		•	1	•
n/a	Construction/Demolition ⁴				1		

TABLE 1: Potential Fugitive Dust Sources and Proposed RACM¹

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

NAWS China Lake Fugitive Dust Control Plan August 31, 1994

APPENDIX B

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 airbome in handling dusty materials to open stockpiles and mobile equipment. All stockpiles of topsoil, sand, and other like materials shall be covered to prevent airbome 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.

August 31, 1994

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 improvements. 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) - 25	1/2 mile length	To be constructed by June 30, 1994 (access currently denied)
Bowman Road (between Downs and Mahan)	1/2 mile length	Exempt (does not have more than 25 MVT per day)
Bowman Road (Between Mahan and Brady)	1/2 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.

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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.

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CHAPTER XVI

SOIL AND SOIL REMOVAL

16-1 Grading Permit: Soil Erosion Control.

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14

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

Ridgecrest PM10 Plan:Exhibit B



ADDRESS....:

CHECK



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

(619) 371-3781 531 S ALVORD

T-3343"C" L-51 480-053-05-VALUATIONT: 4,000 APPL TYPE...: REROOF

OWNER.....: EASTMAN CORNELIUS J & VICTORIA 531 ALVORD ST RIDGECREST CA 93555 CONTRACTOR..: OWNER STUDY TO THE SULL DESCRET

PERMIT OR FEE TYPE ACCOUNT NUMBER AMOUNT GENERAL BUILDING PERMIT 100003321432 63.00 PLAN CHECK FEE .00 PAYMENT TYPE AMOUNT DATE

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:

Date: 4-13-90

63.00

4/12/94

- 1 Lam 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. Thave 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 CURRECT.

11

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.)

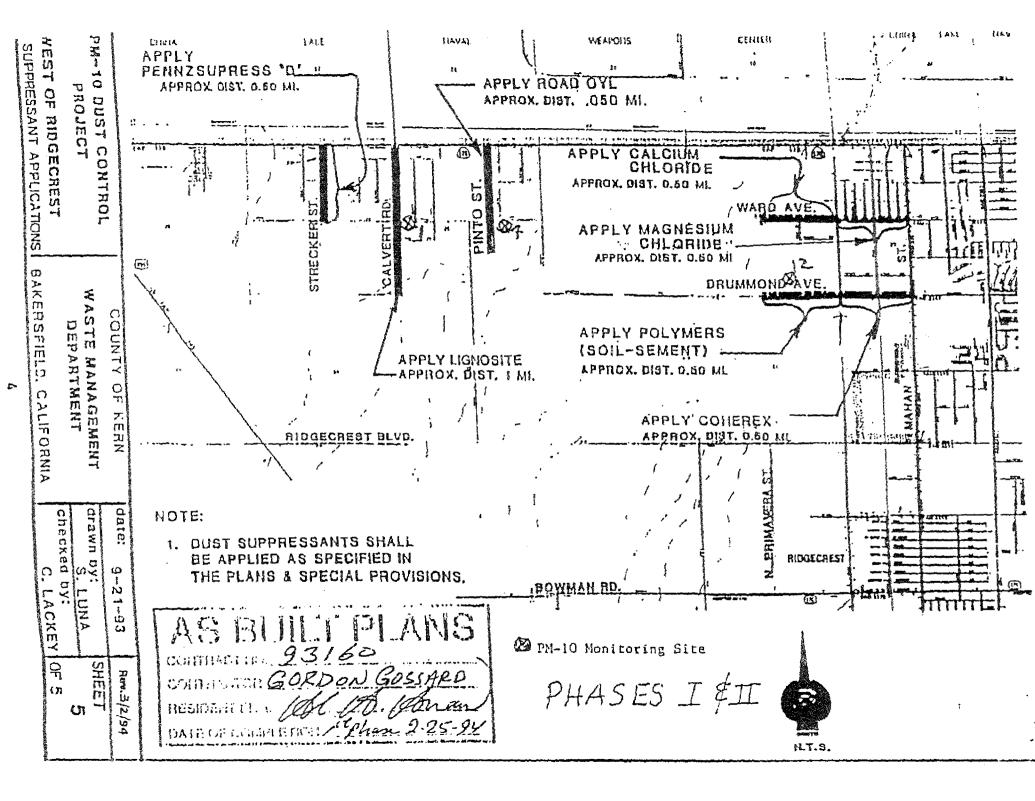
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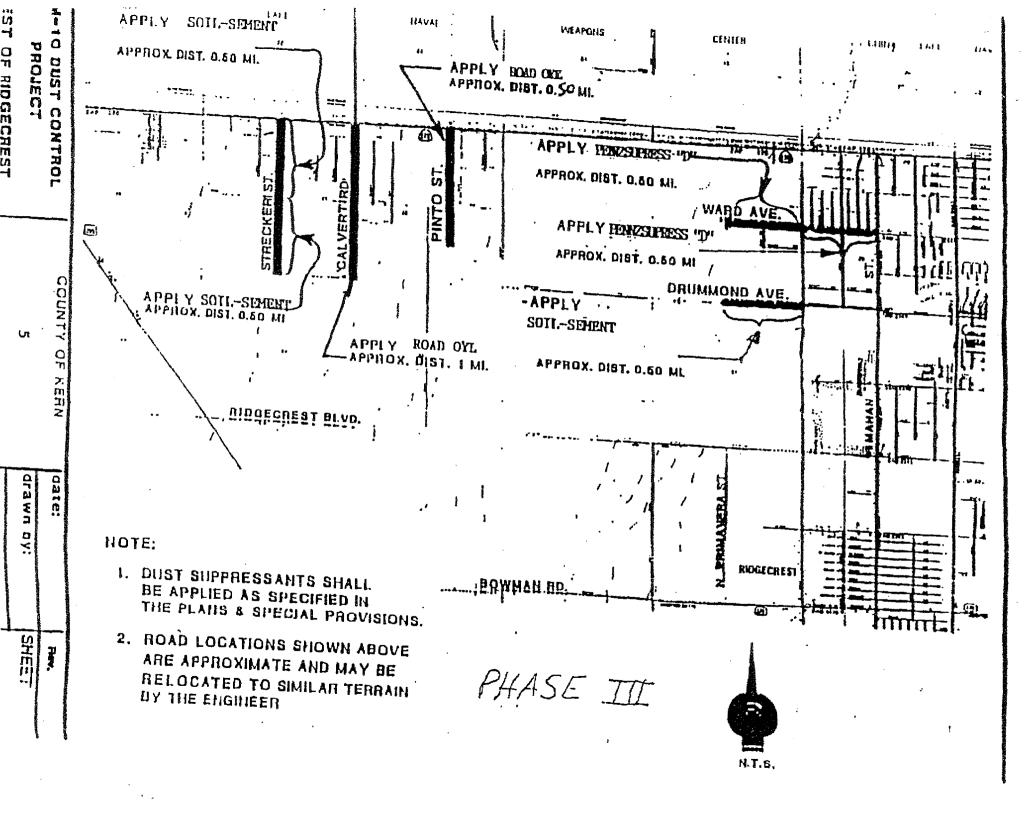
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Unpaved roadway identification signs and dust control speed limit signs have been placed along numerous streets west and south of Ridgecrest.

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 PM10 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.

PM10 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).

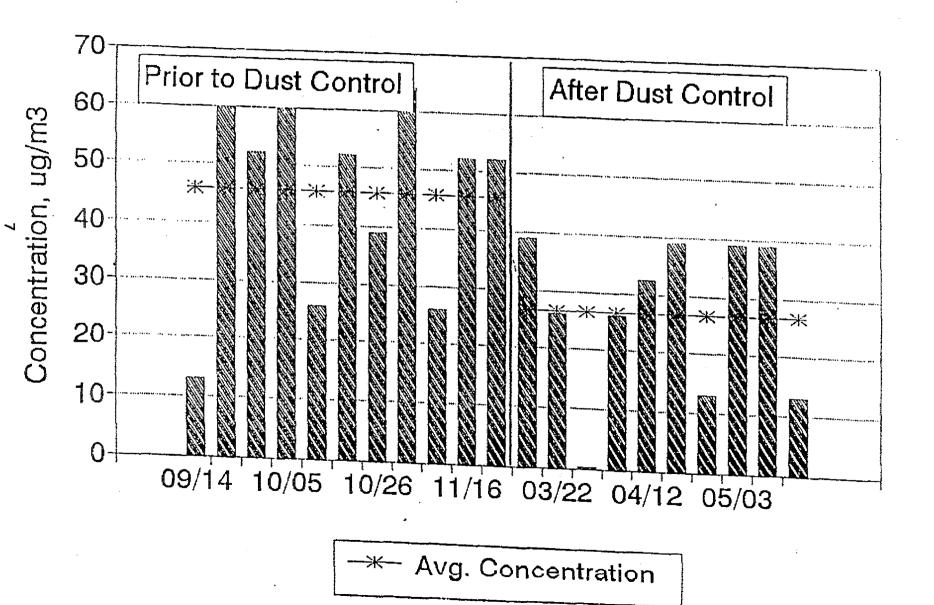
Plots of before and after monitoring data are on Pages 7,8 and 9. The 24 hour National Ambient Air Quality Standard for PM_{10} is 150 micro-grams per cubic meter (ug/m³). Site one (called #1) experienced an approximate 40% reduction in PM_{10} after treatment; site two (called #7) was essentially unchanged; 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

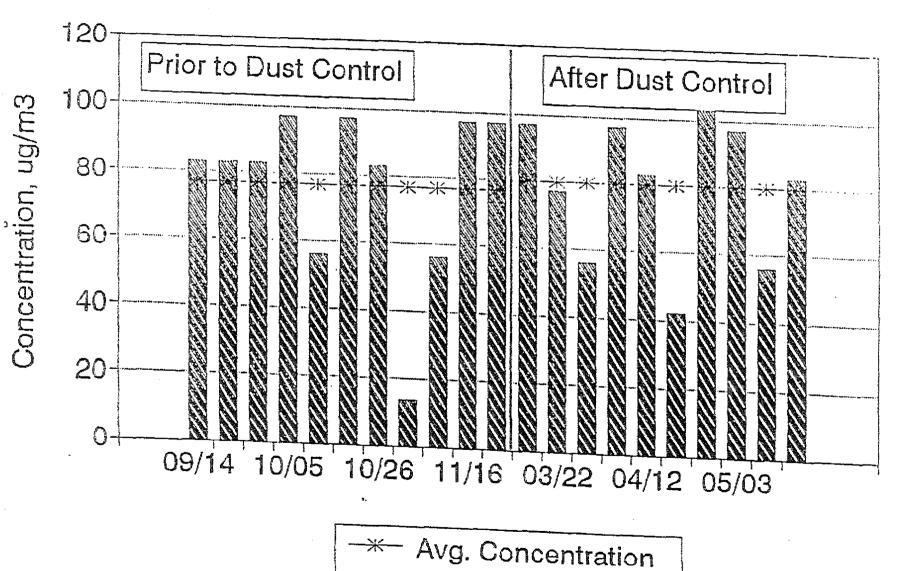
For Phases I and II, two tasks needed to be accomplished prior to treatment of selected roadways: 1) property owners needed to be informed the work was to be done, and 2) a contractor needed to be selected.

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.

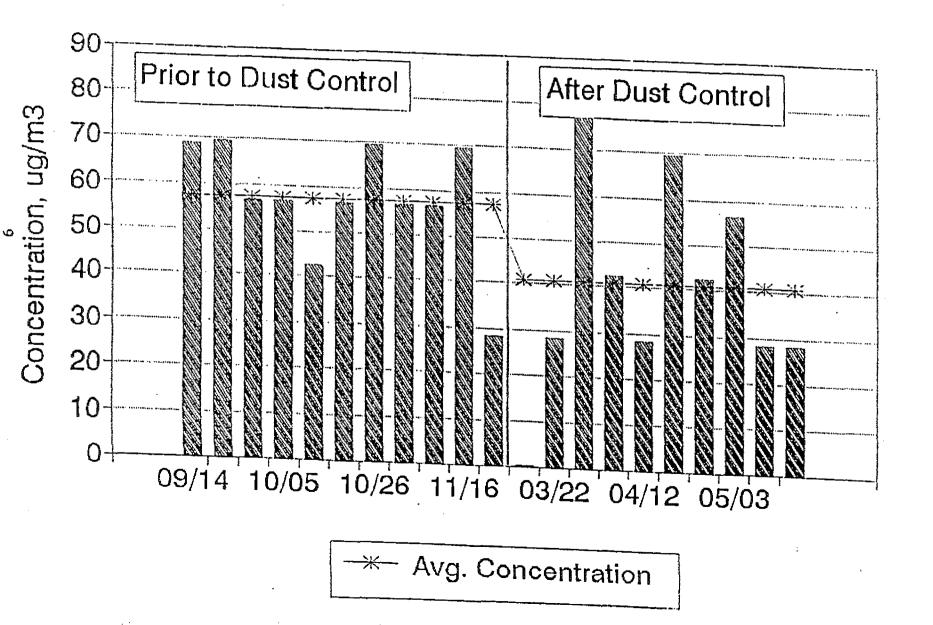
PM-10 Monitoring Project West Ridgecrest, Station 1



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.

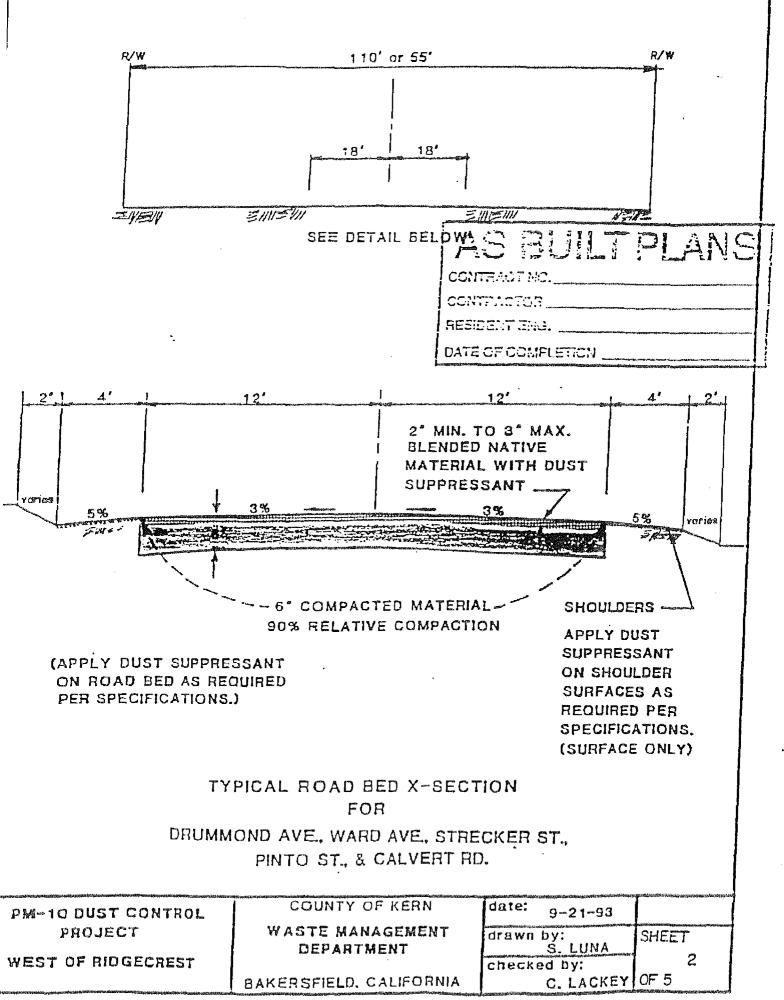
DUST CONTROL AND DURABILITY OBSERVATIONS

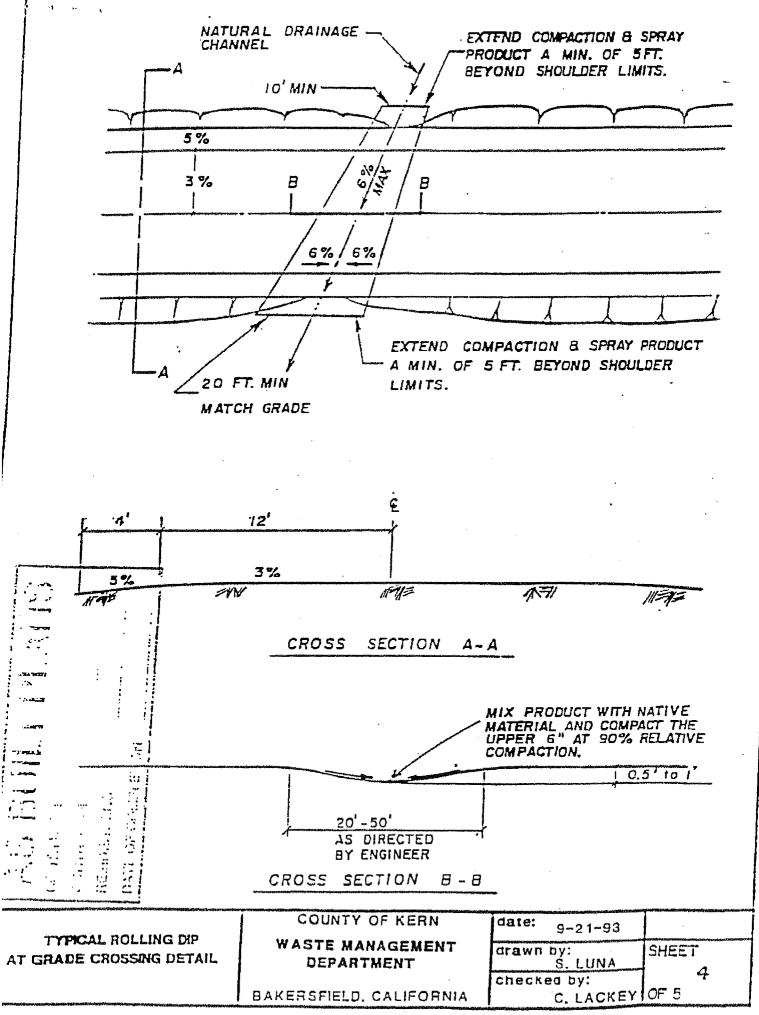
All dust palliatives used affected immediate and significant reductions in visible dust emissions. Visible emissions were typically reduced to less than 5% opacity at a vehicle speed of 25 mph.

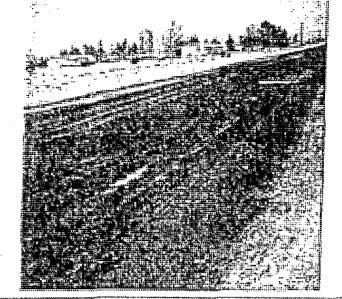
After treatment, all roadbeds assumed a different appearance. From a distance some appeared to be paved. Others retained an "earthen" look, and had either a "shiny", smooth look or a "matte" finish.

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.

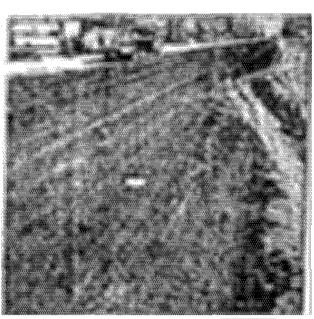
One observer, a local resident, noted that after a couple of horses passed over a treated roadway, the surface had been gouged by the horses' hooves.







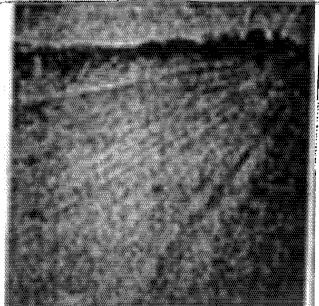
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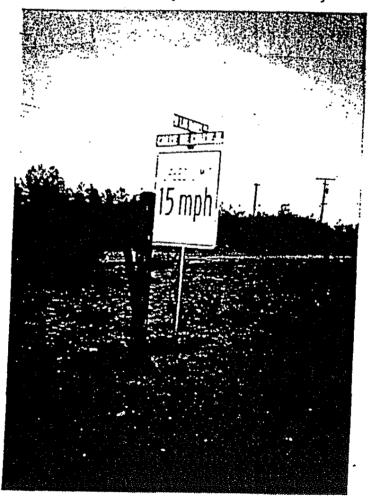


WARD

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 ongoing 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.

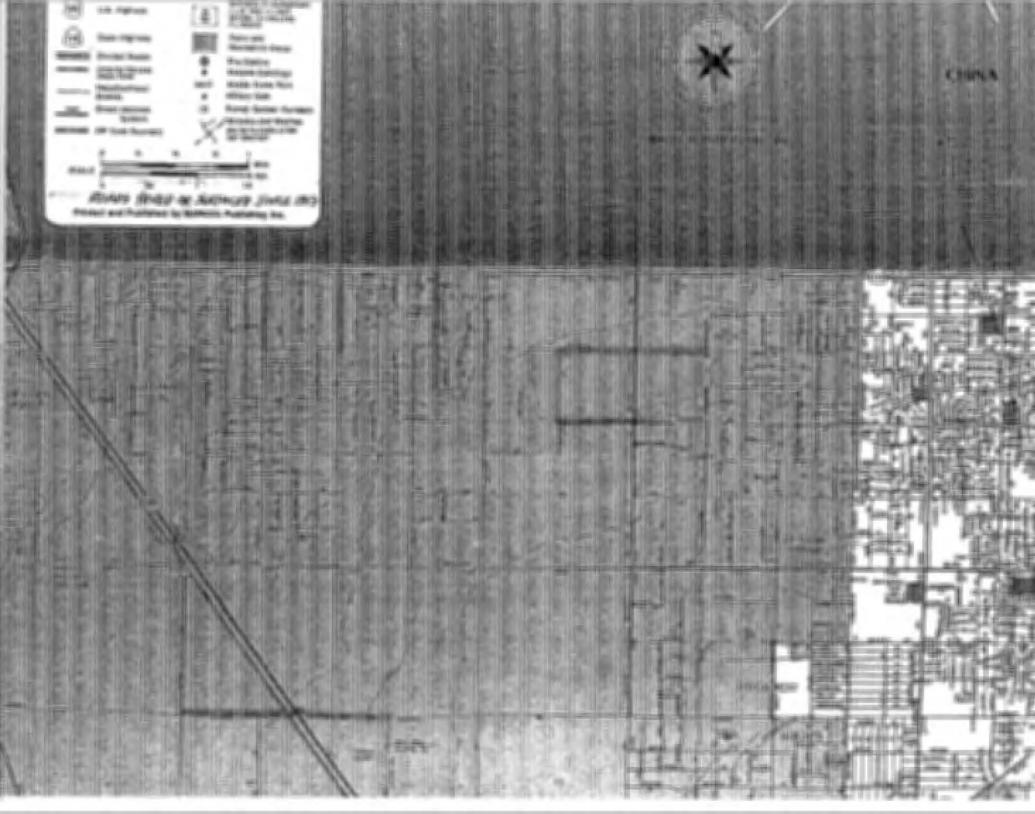
\$250 \$500 \$750 \$1,000 \$1,250 \$1,500

Comments

APPENDIX E

SUPPLEMENT INFORMATION

MAP OF ROADWAYS PAVED COUNTY OF KERN 1990 LAND USE ORDINANCE CITY OF RIDGECREST MUNICIPAL CODE BLM PM₁₀ REDUCTION ACTIVITIES



COUNTY OF KERN 1990 LAND USE ORDINANCE

- 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
 - I. 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:
 - 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:
 - 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.

Development Standards

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ENGINEERING A SURVEY SERVICES DE PARTMENT 2703 MEISTREETI BAKERSE ELDECA 23001 AUGUST 1235



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

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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.

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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.

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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

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- 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
З.	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).

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- 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.
 - 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.

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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

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- 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.

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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. Lemisux, City Attorney John I. Sterling, City Clerk

CITY COUNCIL Steven P. Morgan

Stoven 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:

Tallahassee, Florida

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MUNICIPAL CODE CORPORATION

1993

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§ 19-7.2 CITY OF RIDGECREST ORDINANCES

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

10. Barricades and reflectors along the ends of all deud 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)

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§ 19-6.8

SUBDIVISION

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 accoss 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.

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Rev.Ord.Supp. 2/82

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 Forfaiture 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

§ 19-7.7 CITY OF RIDGECREST ORDINANCES

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, § 62)

19-7.0 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:

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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. Sanltary 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, 8 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:

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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) Prop. Curb		*Traffic Index	Minimum Section (Inches)	**Minimum Centerline Radius for Horizontal Curve (Feet)
			Line	Line			
Major (With 20' Median)	110	72	20	30	10	3.00 AC 10.00 AB	1000
Secondary	90	68	20	30	8.5	3.00 AC 8.00 AB	1000
Collector	64	42	20	30	7	3.00 AC 6.00 AB	500
Minor Cul-de-Sac	60	40	20	30	4	2.00 AC 4.00 AB	150
Frontage	44	32	20	30		3.00 AC 8.00 AB	500
Private	53	40	20	30	8	2.00 AC 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.

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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 incb(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 Scarles 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,

A Villabor

Hector Villalobos Field Manager