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Emissions Inventory Report Summary:  
Reporting Requirements  
for the New Mexico Administrative Code,  
Title 20, Chapter 2, Part 73 (20.2.73 NMAC)  
for Calendar Year 2002

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Risk Reduction and Environmental Stewardship Division,  
Meteorology and Air Quality Group (RRES-MAQ)





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**Emissions Inventory Report Summary: Reporting Requirements for the  
New Mexico Administrative Code, Title 20, Chapter 2, Part 73  
(20.2.73 NMAC) for Calendar Year 2002**

**by**

**Risk Reduction and Environmental Stewardship Division,  
Meteorology and Air Quality Group (RRES-MAQ)**

**ABSTRACT**

**Los Alamos National Laboratory is subject to annual emissions-reporting requirements for regulated air contaminants under Title 20 of the New Mexico Administrative Code, Chapter 2, Part 73 (20.2.73 NMAC), *Notice of Intent and Emissions Inventory Requirements*. The applicability of the requirements is based on the Laboratory's potential to emit 100 tons per year of suspended particulate matter, nitrogen oxides, carbon monoxide, sulfur oxides, or volatile organic compounds. For calendar year 2002, the Technical Area 3 steam plant and the air curtain destructors were the primary sources of criteria air pollutants from the Laboratory, while the air curtain destructors and research and development activities were the primary sources of volatile organic compounds. Emissions of beryllium and aluminum were reported for activities permitted under 20.2.72 NMAC. Hazardous air pollutant emissions were reported from chemical usage from research and development as well as from all combustion sources. In addition, estimates of PM<sub>2.5</sub> and ammonia were provided as requested by the New Mexico Environment Department, Air Quality Bureau.**

## 1.0 INTRODUCTION

Los Alamos National Laboratory (LANL or the Laboratory) has reported on air pollutants generated from its operations since the 1970s when Air Quality Control Regulation 703, *Registration of Air Contaminant Sources*, was promulgated. According to the regulation, the Laboratory was required to register air pollutant sources that emitted more than 2000 lb per year of any air contaminant. This regulatory requirement later evolved into Title 20 of the New Mexico Administrative Code, Chapter 2, Part 73 (20.2.73 NMAC), *Notice of Intent and Emissions Inventory Requirements*. The objective of the reporting requirement is to provide emissions data to the New Mexico Environment Department (NMED) so its staff can determine whether LANL meets state and federal air pollutant standards.

LANL reports the following sources in the annual emissions inventory under 20.2.73 NMAC:

- Units with a 20.2.72 NMAC construction permit
- Units included in the 2002 Operating Permit Application
- Volatile organic compound (VOC) and hazardous air pollutants (HAP) emissions from research and development (R&D) activities (based on chemical procurements)

Additionally, for the first time, the 2002 report includes HAP emissions from all combustion sources. Also, the report includes estimates of suspended particulate matter in the size range of 2.5 microns or less (PM<sub>2.5</sub>) and ammonia as requested by NMED. NMED also requested LANL to voluntarily report New Mexico toxic air pollutants. However, this information was not provided in the 2002 report due to time and resource constraints.

## 2.0 CONTENT OF THE EMISSIONS INVENTORY REPORT

NMED requested that LANL submit emissions data for 2002 via electronic format for entry into Aerometric Information Retrieval System (AIRS). The information required for submittal includes the following:

- company name, address, and physical location for the facility;
- facility contact information;
- signed certification statement by a responsible facility official; and
- specific information for each emission unit such as the type and efficiency of control equipment, schedule of operation, annual process or fuel combustion rates, and estimated actual emissions for calendar year (CY) 2002.

This annual emissions inventory report includes air contaminant data for total particulate matter (PM), suspended particulate matter in the size range of 10 microns or less (PM<sub>10</sub>), carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>), sulfur oxides (SO<sub>x</sub>), VOCs, beryllium, and aluminum. Additionally, at the request of NMED, the 2002 report provides data on HAP emissions, emissions of PM<sub>2.5</sub>, and ammonia emissions for CY 2002.



The new requirement to provide PM<sub>2.5</sub> and ammonia emissions data stems from the recent development by the US Environmental Protection Agency (EPA) of a National Ambient Air Quality Standard for PM<sub>2.5</sub>. States are now in the process of developing a baseline for PM<sub>2.5</sub>. As such, for the 2002 Emission Inventory submittal, NMED requested emissions information on PM<sub>2.5</sub>. Further, ammonia (NH<sub>3</sub>) is a precursor to PM<sub>2.5</sub> formation. It contributes to the secondary aerosol formation of PM<sub>2.5</sub> by combining with NO<sub>x</sub> and SO<sub>x</sub> to form ammonium nitrate and fine sulfate particles. Therefore, NMED also requested emissions information on ammonia.

In the 2002 Emission Inventory submittal, LANL provided PM<sub>2.5</sub> emissions data for all combustion sources, and other emission sources where PM<sub>2.5</sub> emission factors were readily available. In the absence of PM<sub>2.5</sub> emission factors, PM or PM<sub>10</sub> emissions were assumed to be equivalent to PM<sub>2.5</sub>. LANL does not operate any major sources of ammonia emissions. Ammonia was included in the emission estimates for R&D chemical use.

### **3.0 REPORTED EMISSION SOURCES**

The Laboratory's *2002 Emissions Inventory Report* includes estimates of actual air emissions for regulated pollutants from the following sources:

- steam plants,
- miscellaneous small boilers,
- asphalt plant,
- paper shredder,
- rock crusher,
- degreasers,
- air curtain destructors (ACDs),
- carpenter shop,
- oil storage tanks,
- permitted beryllium sources, and
- facility-wide chemical use.

The following sub-sections describe the emission sources included in the 2002 emission inventory and emission calculation methodology for each source type. A summary table of actual reported emissions by source is included at the end of this section (Section 3.13). Attachment A includes worksheets showing detailed emission calculations for individual emissions sources. The *2002 Emissions Inventory Report* as submitted to NMED is presented in Attachment B.

#### **3.1 Steam Plants**

The Laboratory operates two steam plants, one located at Technical Area (TA) 3 and the other at TA-21. The TA-3 steam plant produces steam for heating and electricity when sufficient power from outside sources is not available. The steam plant at TA-21 provides

steam for heating. The heat produced from both steam plants is used for comfort and hot water and to support facility processes. Each steam plant has three boilers that are fueled primarily with natural gas and with diesel fuel as a backup. Actual emissions are estimated on the basis of metered fuel consumption and emission factors. The primary source of emission factors is AP-42, the EPA's *Compilation of Air Pollutant Emission Factors* (Volume 1, *Stationary Point and Area Sources*, Sections 1 and 3, Fifth Edition). However, emission factors from stack tests conducted at the TA-3 steam plant when it was burning natural gas were also used as appropriate.

The TA-3 steam plant has been the largest source of NO<sub>x</sub> emissions at the Laboratory. In 2002 a voluntary project to install pollution control equipment on the three boilers at the TA-3 steam plant was completed. The three boilers were fitted with flue gas recirculation (FGR) equipment to reduce NO<sub>x</sub> emissions. The equipment became operational in October 2002. The installation of this emission control equipment resulted in a reduction in NO<sub>x</sub> emissions of approximately 70 percent. Figure 3.1 is a picture of the TA-3 steam plant building and stacks.



**Figure 3.1. TA-3 steam plant.**

### **3.2 Nonexempt Boilers**

The Laboratory operates approximately 200 boilers. Most of the boilers are exempt from permitting requirements because of their size and use as comfort boilers and do not need to be included in the emissions inventory. The exemption analysis applied to the boilers is discussed in Section 4.1 of this report.

The nonexempt boilers reported in the 2002 emissions inventory include the following:

- four boilers at TA-16,
- three boilers at TA-48,
- two boilers at TA-53,
- two boilers at TA-55, and
- two boilers at TA-59.

All of the reported boilers burn natural gas. The TA-16 boilers are equipped with meters to track the fuel consumption. For all other boilers, the fuel consumption was estimated on the basis of the total natural gas used by the Laboratory minus the amount supplied to the metered sources. Some emission factors were available from stack tests (TA-55), some were provided by the boiler manufacturer (Sellers Engineering Company), and the rest were taken from AP-42.

### **3.3 Asphalt Plant**

The asphalt plant produces small amounts of asphalt for road repairs in and around the Laboratory. Emissions from the asphalt plant are based on the amount of asphalt produced for the year. The PM emissions from the asphalt plant were calculated with an emission factor obtained from a source test. Otherwise, emission factors from AP-42 were used.

### **3.4 Water Pump**

The water pump was transferred to Los Alamos County in November 2001. It is no longer owned or operated by LANL and therefore no emissions were reported from this source.

### **3.5 Paper Shredder**

The shredding operations of the paper shredder at TA-52-11 are a source of PM emissions. Estimates of actual emissions are based on an averaged monthly shredding rate and engineering estimates for controlled emissions. These PM emissions are controlled with a cyclone and a baghouse.

### **3.6 Rock Crusher**

In June 1999, the Laboratory was issued a 20.2.72 NMAC construction permit (Permit No. 2195) to operate an impact rock crusher to crush potentially radioactive contaminated concrete removed from buildings as part of the Laboratory's decontamination and decommissioning efforts. The rock crusher was not operated in 2002. Therefore, there were no PM emissions from crushing activities and no combustion products from the crusher's diesel-fired engine for CY 2002.

### **3.7 Degreaser**

The halogenated solvent cleaning machine at TA-55 Building PF-4 has a capacity of 18 liters and is registered with NMED's Air Quality Bureau (AQB) as required under the National Emissions Standards for Hazardous Air Pollutants, 40 CFR 63 Subpart T, "Halogenated Solvent Cleaning." The solvent used in the machine, trichloroethylene (Chemical Abstracts Service [CAS] No. 79-01-6), is a VOC and a HAP. Measured losses were reported. LANL has two additional halogenated solvent cleaning machines registered with NMED; however, these two machines did not operate in 2002.

### **3.8 Air Curtain Destructors**

Three ACDs were extensively used during 2002 for controlled open burning of wood and wood scrap generated from tree thinning activities at LANL. The ACDs work by blowing a curtain of air over materials as they burn within a semi-enclosed environment. The fan-driven curtain of air introduces a steady oxygen supply into the combustion chamber and helps ensure that nearly all fuel and gasses are consumed. Each unit can burn up to 10 tons of wood per hour. In 2002 a total of 11,856.8 tons of wood and straw generated from forest thinning activities were burned in the ACDs. A picture of an ACD operating at LANL is included as Figure 3.2.



**Figure 3.2. Air curtain destructors.**

Both wood burning and engine operation emissions were estimated. Wood burning emissions were estimated based on the total tons of wood burned in 2002 and using

emission factors presented in the Title V operating permit application submitted to NMED in November 2002. Engine emissions were estimated based on the total diesel fuel consumed and the total horsepower hours operated. The calculated emissions are based on emission factors presented in the Title V application submitted to NMED. The units were operated under an open burn permit issued by NMED's AQB on June 20, 2001.

### **3.9 Carpenter Shop**

LANL operates a carpenter shop at TA-3-38. This carpenter shop was built before 1960, and therefore is not subject to 20.2.72 NMAC construction permitting. However, LANL included this source in its updated Title V Operating Permit application submitted to NMED on November 27, 2002. Therefore, this carpenter shop is included in the 2002 emission inventory for the first time.

PM emissions from the carpenter shop are estimated based on the number of hours the exhaust system operated and an estimated control efficiency of the cyclone. Emission factors from AP-42, Section 10.4, Woodworking Waste Collection Operations, February 1980, were used to estimate PM, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions.

### **3.10 Oil Storage Tanks**

The Laboratory included 15 storage tanks in the recently updated Title V permit application because they are subject to New Source Performance Standards 40 CFR 60, Subpart Kb. Fourteen of the 15 tanks store mineral oil, scintillation oil, or dielectric oil, which all have vapor pressures of <0.01 mmHg. Emissions from these oil storage tanks were included for the first time in the 2002 emissions inventory. The fifteenth tank (a diesel storage tank) at the TA-3-779 Power Plant is already included on the Emission Inventory under AIRS ID 036. With the agreement of the NMED, the emissions of the 14 tanks were summed and listed under one stack entry in the emissions inventory report due to the small quantity of emissions. Based on the most conservative tank parameters and the actual throughput from chemical inventory records a unit emission rate was calculated using TANKS 4.0 for both vertical and fixed roof tanks. These unit emission rates in lb/yr were multiplied by the number of horizontal and vertical tanks to provide an estimate of the total annual emissions from all of the tanks.

### **3.11 Permitted Beryllium-Machining Operations**

The Laboratory operates under five 20.2.72 NMAC AQB construction permits\*\* for beryllium-machining operations that are subject to 40 CFR 61, Subpart C, "National Emission Standards for Beryllium." Emissions from these sources were reported at permitted emission levels; however, actual emissions monitored during initial compliance stack tests were below permitted levels.

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\*\* Permit No. 632, issued December 26, 1985.  
Permit No. 634-M2, issued October 30, 1998.  
Permit No. 635, issued March 19, 1986  
Permit No. 636, issued March 19, 1986.  
Permit No. 1080-M1-R3, issued February 11, 2000.

### **3.12 Emissions from Research and Development Activities**

The majority of the Laboratory's work is devoted to R&D activities. Varying operating parameters, as well as amounts and types of chemicals, are used in these activities. R&D activities occur at virtually all technical areas within the Laboratory. R&D activities were evaluated for VOC and HAP emissions and are discussed below.

#### **3.12.1 VOC Emissions**

With the exception of specific listed chemicals, VOCs are any compounds of carbon that participate in atmospheric photochemical reactions. VOCs include commonly used chemicals such as ethanol, methanol, trichloroethylene, and isopropanol. The Laboratory's Chemlog inventory system CY 2002 data set (chemical containers added to LANL's inventory between January 1, 2002, and December 31, 2002) was reviewed to identify all VOCs purchased and received at LANL in 2002. The general assumption used in estimating VOC emissions from chemical use is as follows:

$$\text{Purchasing} = \text{Use} = \text{Emissions}$$

From the dataset of chemicals purchased in 2002, certain categories of chemicals were separated and eliminated from the analysis. The classifications assigned and the corresponding reasons (noted in parentheses) for the exclusion of chemicals from inventory records are noted below.

- Solid materials (Solids are not a significant source of air emissions based on their low vapor pressure.)
- Non-VOC materials as defined by 40 CFR 51.100 (Specific chemicals that are listed in 40 CFR 51.100 have been determined to have negligible photochemical reactivity and are therefore exempt.)
- Paints (Paints were evaluated separately—See Section 4.4.)
- Inorganic chemicals (Inorganics are not compounds of carbon.)
- Oils (Oils are not a significant source of air emissions based on their low vapor pressure and are used primarily for maintenance.)
- Fuels used for combustion purposes (Emissions from fuel combustion are already reported for each combustion unit).

Furthermore, the following categories of chemicals were eliminated based on guidance from NMED (see exemptions listed in Table 4.1 for further explanation).

- Container sizes of 1 lb or less,
- Chemicals with vapor pressures less than 10-mm Hg,
- Chemicals used to calibrate equipment,
- Maintenance chemicals,
- Use of office equipment and products,
- Chemicals used for boiler water treatment operations,
- Chemicals used for oxygen scavenging (deaeration) of water, and
- Chemicals used in bench-scale chemical analysis.\*

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\* This exemption was applied only to biological research solutions. Otherwise, this exemption was not applied. See Table 5.1.

After the elimination of the chemicals and categories of chemicals listed above, the remaining chemical inventory records were matched with a list of known VOCs by CAS number. Mixtures were evaluated in the same manner as HAP mixtures. As a conservative estimate, VOCs identified in the Laboratory's chemical-tracking records were assumed to be 100 percent emitted to the air. As a result, the estimated emissions of VOCs at LANL from chemical use totals 14.9 tons. Use of NMED AQB's Operating Permit Program exemptions from the "List of Insignificant Activities" (September 29, 1995) and "List of Trivial Activities" (January 10, 1996) is discussed in Section 4.2 of this report.

### **3.12.2 HAP Emissions**

Section 112(b) of the 1990 Clean Air Act Amendments listed 189 unique HAPs that were identified for potential regulation by EPA. In 1995, caprolactam was delisted as a HAP. Of the remaining 188 listed HAPs, 17 are classes of compounds (e.g., nickel compounds). The use of the 188 listed chemicals in R&D activities at the Laboratory was evaluated and quantified for the annual emission inventory submittal to NMED.

The Chemlog inventory system CY 2002 data set was analyzed to identify HAPs used in R&D activities. The identification process was similar to that used for the VOCs, described in Section 3.12.1. Pure chemicals (i.e., chemicals with CAS numbers), classes of compounds, and mixtures were evaluated to determine if the chemicals themselves were HAPs or if they had HAP constituents. For mixtures, material safety data sheets were reviewed to determine if any HAPs were present and, if so, to determine the associated HAP percentages. Listed below are certain chemical types or categories that were classified and removed from this analysis (refer to Section 3.12.1 and Table 4.1 for explanations on the removal of these chemicals).

- Paints,
- Oils,
- Maintenance chemicals,
- Chemicals used to calibrate equipment,
- Container sizes of 1 lb or less,
- Chemicals used in bench-scale chemical analysis,
- Use of office equipment and products,
- Chemicals used for boiler water treatment operations, and
- Chemicals used for oxygen scavenging (deaeration) of water.

Total HAP emissions were estimated by summing (1) pure HAP chemicals, (2) classes of compounds that are HAPs, and (3) the HAP constituents from mixtures. The resulting total amount of HAPs from chemical use reported for 2002 was 7.7 tons.

The HAP emissions reported generally reflect the quantities procured in the CY. In a few cases, however, procurement values and operational processes were further evaluated so that actual air emissions could be reported instead of the procurement quantities.

Additional analyses for mercury and hydrochloric acid (HCl) were performed and are described below.

### Mercury

All purchases of mercury through the Chemlog chemical tracking system were evaluated to determine usage and potential air emissions. Some purchases of mercury were identified as exempt from the emission inventory requirements because of their use as standards for calibrating laboratory equipment. Other purchasers of mercury that were contacted confirmed that the mercury was still in use, or in storage and had not resulted in air emissions.

### Hydrochloric Acid

Facility and Waste Operations (TA-50-1) purchased multiple 14-gallon carboys of HCl totaling approximately 4,463 lbs. This HCl was used for heat exchanger scale cleaning and for the cleaning of electro dialysis reversal membranes. Emissions from these particular activities were estimated to be 0.24 lb based on specific process information and engineering calculations. The remaining procurements were approximately 3,077 lb, resulting in a reported total for HCl of 1.54 tons.

### 3.13 Emissions Summary by Source

Table 3.1 provides a summary of LANL's 2002 actual emissions, as submitted for the annual emissions inventory. The table presents the emissions by pollutant and by source, with a facility total at the bottom of the table. Attachment A provides detailed information on how the emissions were calculated for each emission unit.

**Table 3.1. Summary of LANL's 2002 Actual Emissions**

	NO <sub>x</sub> (tons/yr)	SO <sub>x</sub> (tons/yr)	PM <sub>10</sub> (tons/yr)	PM <sub>2.5</sub> (tons/yr)	CO (tons/yr)	VOC (tons/yr)	HAPs (tons/yr)
TA-3 Power Plant Boilers	40.3	0.27	2.34	2.33	12.31	1.69	0.56
TA-21 Steam Plant Boilers	1.7	0.01	0.13	0.13	1.43	0.09	0.03
Small Boilers	6.2	0.04	0.57	0.57	3.73	0.33	0.11
Asphalt Plant	0.09	0.02	0.17	0.17	1.4	0.03	0.03
Paper Shredder	NA	NA	0.001	0.001	NA	NA	NA
Rock Crusher	NA	NA	NA	NA	NA	NA	NA
Degreaser	NA	NA	NA	NA	NA	0.01	0.01
ACDs	16.3	0.9	9.2	8.6	9.3	22.9	2.1
Carpenter Shop	NA	NA	0.08	0.07	NA	NA	NA
Oil Storage Tanks	NA	NA	NA	NA	NA	0.04	NA
Beryllium-Machining Operations	NA	NA	NA	NA	NA	NA	6.12E-6
R&D	NA	NA	NA	NA	NA	14.91	7.72
<b>TOTAL</b>	<b>64.6</b>	<b>1.2</b>	<b>12.5</b>	<b>11.9</b>	<b>28.2</b>	<b>40.0</b>	<b>10.6</b>



## 4.0 REPORTING EXEMPTIONS

Under NMED's AQB Operating Permit Program, specific insignificant or trivial activities are exempt from reporting. NMED has designated exempt sources, activities, or thresholds in the following lists:

- "List of Insignificant Activities," September 29, 1995;
- "List of Trivial Activities," January 10, 1996.

Laboratory sources and activities that qualify as insignificant or trivial as specified in these lists are not included in the *2002 Emissions Inventory Report*. The following subsections of this report provide information and examples of the Laboratory's exempt activities, as well as the analyses that were performed to determine the exempt status.

### 4.1 Boilers

The Laboratory's boiler inventory was evaluated against the "List of Insignificant Activities." Specifically, a boiler was considered exempt from the emissions inventory reporting requirements if it met one of the following requirements:

- Any emissions unit . . . that has the potential to emit no more than **one (1) ton per year** of any regulated pollutant; or
- Fuel burning equipment which uses gaseous fuel, has a design rate less than or equal to five (5) million BTU per hour, and is used solely for heating buildings for personal comfort or for producing hot water for personal use.

Any boiler that was not used exclusively for comfort heating or hot water was evaluated for the **one (1) ton per year** exemption. For purposes of determining the exemption, the boiler design ratings were used to estimate the potential to emit. Any boiler not qualifying for one of these two exemptions was included in the report.

### 4.2 VOC Emissions

A number of insignificant and trivial activities were applicable for exempting materials from the VOC R&D total in the report. The basis of the exemptions and the corresponding insignificant or trivial activities are explained in Table 4.1.

Fuels such as propane, kerosene, and acetylene were analyzed separately and are not listed in Table 4.1. When fuels are burned in an open flame, almost all of these fuels are consumed and the emissions are minimal. Furthermore, under normal conditions, fuels burned with oxygen are reduced to carbon dioxide and water, which are not regulated air pollutants.

**Table 4.1. Exemptions Applied for R&D Activities**

<b>Basis of Exemption</b>	<b>Activity Type</b>	<b>Activity</b>
Container sizes of 1 lb or less	Trivial	Paint or nonpaint materials dispensed from prepackaged aerosol cans of 16-oz. capacity or less.
Chemicals with vapor pressures <10-mm Hg	Insignificant	Any emissions unit, operation, or activity that handles or stores a liquid with a vapor pressure of less than 10–mm Hg or in quantities of less than 500 gal.
Calibration chemicals	Trivial	Routine calibration and maintenance of laboratory equipment or other analytical instruments, including gases used as part of those processes.
Maintenance chemicals and oils	Trivial	<p>Activities that occur strictly for maintenance of grounds or buildings, including the following: lawn care; pest control; grinding; cutting; welding; painting; woodworking; sweeping; general repairs; janitorial activities; plumbing; re-tarring roofs; installing insulation; steam-cleaning and water-washing activities; and paving of roads, parking lots, and other areas.</p> <p>Activities for maintenance and repair of equipment, pollution-control equipment, or motor vehicles either inside or outside of a building.</p>
Use of office equipment and products	Trivial	Use of office equipment and products, not including printers or businesses primarily involved in photographic reproduction.
Chemicals used for boiler water treatment	Trivial	Boiler water treatment operations, not including cooling towers.
Chemicals used for oxygen scavenging	Trivial	Oxygen scavenging (deaeration of water).
Chemicals used in bench-scale chemical analysis	Trivial	<p>Bench-scale laboratory equipment used for physical or chemical analysis but not lab fume hoods or vents.</p> <p><i>Note: This exemption was applied only to biological research solutions. Otherwise, this exemption was not applied.</i></p>

### **4.3 HAP Emissions**

A HAP R&D activity exemption analysis, similar to the VOC R&D activity exemption analysis, resulted in application of several of the same exemptions from NMED's AQB "List of Trivial Activities" and "List of Insignificant Activities" (refer to Table 4.1).

### **4.4 Paints**

An exemption analysis was performed for VOC and HAP emissions resulting from painting activities conducted at the Laboratory. Paint information for 2002 was gathered from the work control databases and the Laboratory's procurement and inventory systems. These records were evaluated for applicability of exemptions for trivial and insignificant activities.

The following exemptions from NMED's AQB Operating Permit Program "List of Trivial Activities" were used in the paint analysis:

- Activities that occur strictly for maintenance of grounds or buildings, including the following: lawn care; pest control; grinding; cutting; welding; painting; woodworking; sweeping; general repairs; janitorial activities; plumbing; re-tarring roofs; installing insulation; steam-cleaning and water-washing activities; and paving of roads, parking lots, and other areas.
- Activities for maintenance and repair of equipment, pollution control equipment, or motor vehicles either inside or outside of a building.
- Paint or nonpaint materials dispensed from prepackaged aerosol cans of 16 oz. or less capacity.

The corresponding amounts of paint were totaled for painting activities that did not qualify for one of the exemptions listed above. This paint total for CY 2002 was determined to be 2,650 lbs (1.32 tons), which further qualified for the following insignificant activity:

Surface coating of equipment, including spray painting and roll coating, for sources with facility-wide total cleanup solvent and coating actual emissions of less than two (2) tons per year.

All emissions from paints and painting activities were exempt as insignificant or trivial activities and therefore were not included in the *2002 Emissions Inventory Report*.

### **4.5 Generators**

The Laboratory has an inventory of approximately 125 portable generators. Portable generators are used at the Laboratory for temporary operations requiring remote power or to provide emergency backup power during power outages at various sites. The portable generators are fueled by gasoline and/or diesel fuel.

In addition to the portable generators, the Laboratory maintains and operates approximately 45 stationary generators. Stationary generators are used on standby (emergency) status to provide power to critical systems at the Laboratory during power outages. The stationary generators are fueled by natural gas, gasoline, or diesel.

The insignificant activity exemptions applicable to the Laboratory's generators are the following:

- Portable engines and portable turbines that have a design capacity...less than or equal to
  - 200-HP engine if fueled by diesel or natural gas, and
  - 500-HP engine if fueled by gasoline.
- Emergency generators that comply with the definition of standby equipment.

Standby equipment is defined in NMED's AQB "List of Insignificant Activities" as "an emissions unit which on a temporary basis replaces equipment used in normal operation, and which either has an allowable emission rate or potential to emit for each fee pollutant that is equal to or less than the equipment replaced, or which does not operate for a period exceeding 500 hours per calendar year."

On the basis of their size, the portable generators used for temporary power at remote locations are exempt from emissions inventory reporting requirements. Since all of the stationary generators are designated as standby equipment under the Operating Permit Program and are used solely to provide emergency backup power for less than 500 hours per year, they are insignificant sources and, therefore, are exempt from emissions inventory reporting requirements.

## 5.0 EMISSIONS SUMMARY

Table 5.1 presents facility-wide actual emissions of criteria pollutants for 2002, as reported in the emission inventory. Table 5.2 presents facility-wide actual emissions for HAPs. Graphical representations of emissions are also provided. Figures 5.1 and 5.2 show emissions by source and by year respectively. Figure 5.3 represents VOC and HAP emissions from R&D activities.

Emission unit information and emissions estimates are included in Attachment A. The *2002 Emissions Inventory Report* as submitted to NMED is presented in Attachment B. As mentioned, it is formatted to be compatible with AIRS.

**Table 5.1. LANL Facility-Wide Criteria Pollutant Emissions for 2002**

Pollutant	Actual Emissions (tons/yr)
NO <sub>x</sub>	64.7
SO <sub>x</sub>	1.2
CO	28.1
PM <sub>10</sub>	12.5
VOC	39.9

**Table 5.2. LANL HAPs Emissions from Facility-Wide Chemical Use for 2002**

Pollutant	Actual Emissions (tons/yr)
Total HAPs	7.7
<b>Top Five HAPs</b>	
Hydrochloric Acid	1.54
Methylene Chloride	1.44
Acetonitrile	0.95
Methanol	0.85
Manganese Compounds	0.76

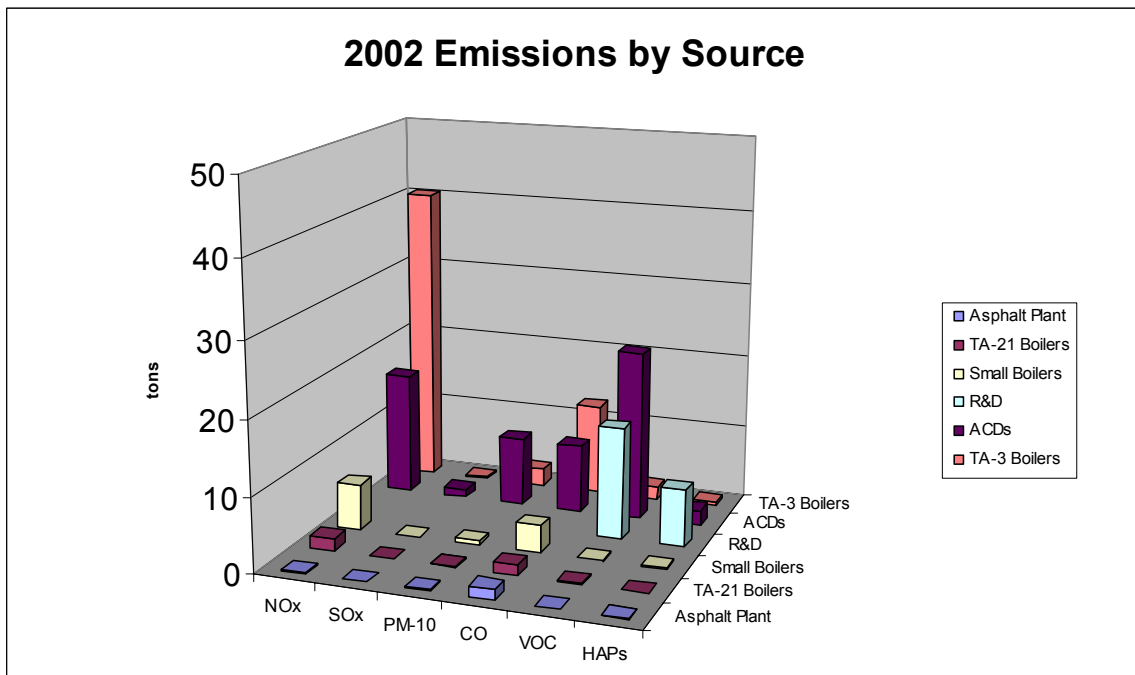
Attachment B is a copy of the data in spreadsheet form that was submitted to NMED for reportable emission sources. Several notable changes occurred to the emission inventory sources for 2002. First, the water pump (AIRS #014) was transferred to Los Alamos County in November 2001. It is no longer owned or operated by LANL and therefore no emissions from this source were reported. Some existing sources (degreasers at TA-46-24 and the rock crusher) did not operate in 2002.

Second, two emission units are reported for the first time this year: a carpenter shop at TA-3-38 and a “composite” storage tank representing 14 various storage tanks at LANL used for storing mineral oil and scintillation oil. Therefore, two new Stack ID Nos. were added to the inventory (not yet assigned 042 and 043).

Finally, as requested by NMED, HAP emissions from all combustion sources, PM<sub>2.5</sub> emission estimates, and ammonia were reported. As discussed with Jim Shively and Mary Uhl of NMED, on February 21, 2002, the voluntary reporting of New Mexico toxic air pollutants was not included due to time and resource constraints.

Figure 5.1 shows the air pollutant emissions by source, excluding beryllium, aluminum, and HAPs. As the figure shows, the TA-3 steam plant is the primary source of NO<sub>x</sub> and CO emissions and the ACDs are the primary source of PM<sub>10</sub> and VOC emissions.

The Laboratory’s FGR equipment on the TA-3 steam plant boilers became operational in October 2002. This project resulted in a reduction in NO<sub>x</sub> emissions by approximately 70 percent. Historically, the TA-3 steam plant boilers are the largest source of air emissions (NO<sub>x</sub>) at LANL. The stack test demonstrated a reduction of approximately 70 percent for NO<sub>x</sub> emissions.



**Figure 5.1. Emissions of air pollutants by source in 2002.**

Figure 5.2 compares the past five years’ emissions for criteria air pollutants and VOCs reported to NMED. There are some differences in the emissions from 2001 to 2002. Emissions of NO<sub>x</sub> have decreased from 2001 levels due to the implementation of the FGR system on the TA-3 steam plant boilers. PM, VOC, and SO<sub>x</sub> emissions have increased since 2001 due to the use of the ACDs at the Laboratory for forest thinning and fire mitigation efforts.

Figure 5.3 represents VOC and HAP emissions from R&D activities. As shown, the HAP emissions from R&D activities are slightly greater in 2002 than in 2001, and the VOC emissions from R&D activities are slightly less in 2002 than in 2001. The continued fluctuation in both VOC and HAP emissions is largely related to the variation in chemical purchases.

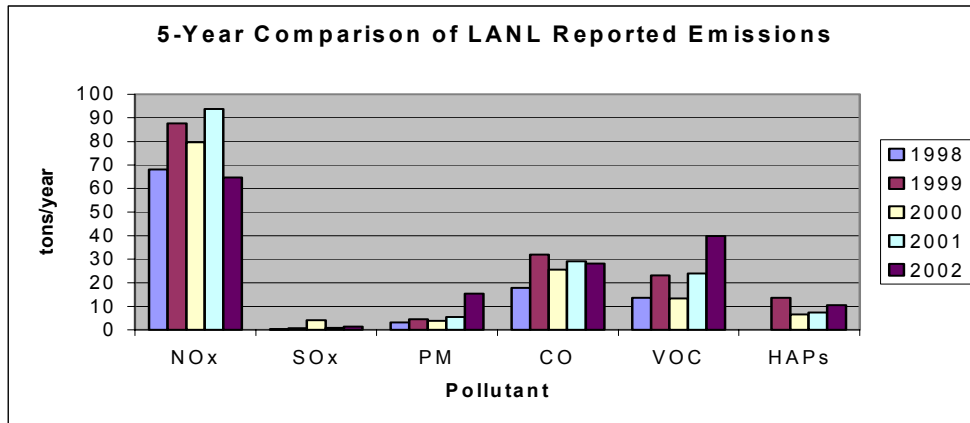


Figure 5.2. Emissions generated in 1998, 1999, 2000, 2001, and 2002.

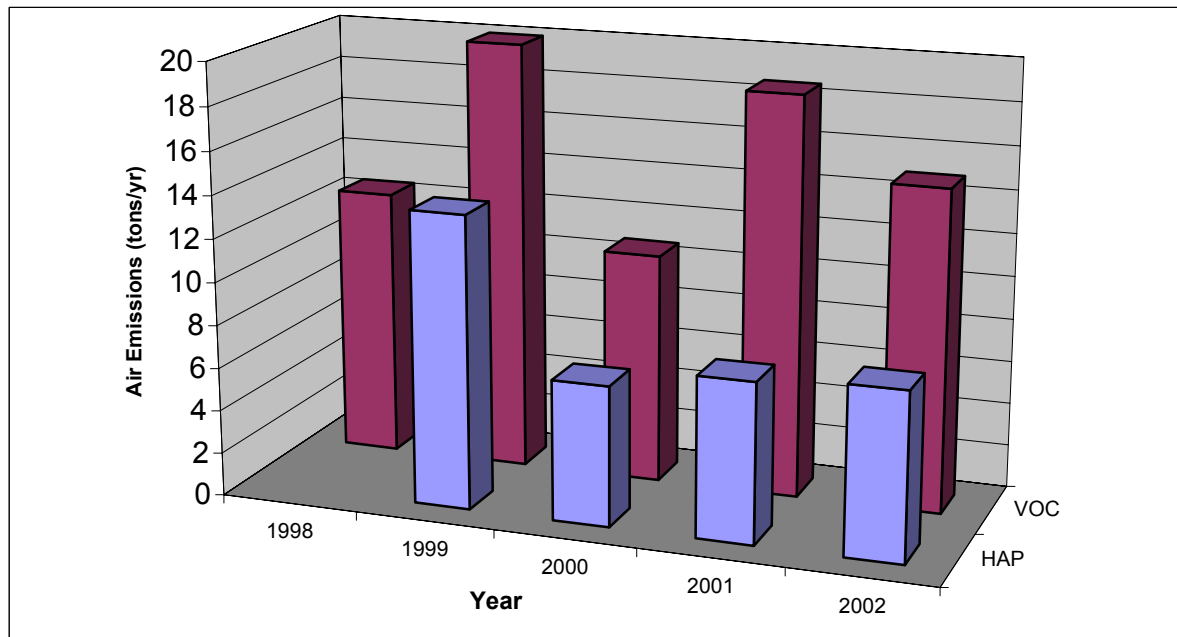


Figure 5.3. VOC and HAP emissions from R&D activities.





**ATTACHMENT A. EMISSION CALCULATION WORKSHEETS FOR  
INDIVIDUAL EMISSION UNITS**



Small Boilers

For Non-metered Boilers, 2002 average gas use per MMBTU rating =  
(Calculated from info provided by Jerome Gonzales, see separate spreadsheet)

1.531 MMSCF/MMBTU/hr

Miscellaneous Small Boilers (Fuel Pro-Rated)								Criteria Pollutant Emission Factors (lb/MMSCF) <sup>a</sup>							
								NOx	SOx	PM	PM-10 <sup>b</sup>	PM-2.5 <sup>b</sup>	CO	VOC	
								100	0.6	7.6	7.6	7.6	84	5.5	
								Emissions (tons/yr)							
AIRS Stack No.	Location	ID	Stack Height (ft)	Stack Diameter (ft)	Exit Gas Temp (°F)	Flow Rate (CFM)	Design Rate (BTU/hr)	Natural Gas Consumption (MCF/yr)	NOx	SOx	PM	PM-10	PM-2.5	CO	VOC
015	TA-48-1	BS-1	50	2.3	300	2400	5,336,300	8170	0.408	0.002	0.031	0.031	0.031	0.343	0.022
016	TA-48-1	BS-2	50	2.3	300	2400	5,335,450	8169	0.408	0.002	0.031	0.031	0.031	0.343	0.022
017	TA-48-1	BS-6	50	2.3	300	3300	7,140,000	10931	0.547	0.003	0.042	0.042	0.042	0.459	0.030
018	TA-53-365	BHW-1	22	1.5	300	3400	7,114,500	10892	0.545	0.003	0.041	0.041	0.041	0.457	0.030
019	TA-53-365	BHW-2	22	1.5	300	3400	7,114,500	10892	0.545	0.003	0.041	0.041	0.041	0.457	0.030
020	TA-59-1	BHW-1	55	1.7	300	2600	5,335,450	8169	0.408	0.002	0.031	0.031	0.031	0.343	0.022
021	TA-59-1	BHW-2	55	1.7	300	2600	5,335,450	8169	0.408	0.002	0.031	0.031	0.031	0.343	0.022
<b>Old TA-55-6 Boilers (Fuel Pro-Rated)</b>								<b>Emission Factors (lb/MMSCF)<sup>c</sup></b>							
								242	0.6	7.6	7.6	7.6	294	5.5	
								<b>Emissions (tons/yr)</b>							
022	TA-55-6	BHW-1	30	1.8	222	3600	7,113,650	SHUT DOWN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
023	TA-55-6	BHW-2	30	1.8	222	3600	7,113,650	SHUT DOWN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>New TA-55-6 Sellers Boilers (Fuel Pro-Rated)</b>								<b>Emission Factors (lb/MMSCF)<sup>d</sup></b>							
								138	0.6	14.2	14.2	14.2	38.2	5.98	
								<b>Emissions (tons/yr)</b>							
037	TA-55-6	BHW-1B	30	2	333	5500	12,448,250	19058	1.32	0.006	0.135	0.135	0.135	0.364	0.057
038	TA-55-6	BHW-2B	30	2	333	5500	12,448,250	19058	1.32	0.006	0.135	0.135	0.135	0.364	0.057
<b>TA-16 Package Boilers (Fuel Metered)</b>								<b>Emission Factors (lb/MMSCF)<sup>e</sup></b>							
								37.08	0.6	7.6	7.6	7.6	37.08	5.5	
								<b>Emissions (tons/yr)</b>							
024	TA-16	Plant 5-1	21	1.5	341	2280	6,350,110	13949	0.259	0.004	0.053	0.053	0.053	0.259	0.038
	TA-16	Plant 5-2		Stand by											
025	TA-16	Plant 6-1	19	1.8	341	2148	7,842,913	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TA-16	Plant 6-2		Stand by											
<b>Total (tons)</b>									6.16	0.04	0.57	0.57	0.57	3.73	0.33

<sup>a</sup>AP-42, 7/98, Section 1.4, *Natural Gas Combustion*, Small Boilers

<sup>b</sup> Emission factors for natural gas of PM-10 and PM-2.5 are roughly equal to those of PM, *Natural Gas Combustion*, Table 1.4-2

<sup>c</sup>Stack test on 3/00 for NOx and CO. Otherwise, Emission factors from AP-42, 7/98, Section 1.4, *Natural Gas Combustion*, Small Boilers

<sup>d</sup>AP-42, 7/98, Section 1.4, *Natural Gas Combustion*, Small Boilers for SOx. Stack test on 3/00 for NOx. Otherwise, Emission factors from Sellers Engineering Co.

<sup>e</sup>AP-42, 7/98, Section 1.4, *Natural Gas Combustion*, Small Boilers; Emission factors for NOx and CO from Sellers Engineering Co (low-NOx boilers).

ACDs

**Air Curtain Destructors - Emissions from Burning Wood- 2002**

S-127 Air Curtain Destructor	Total Wood Burned (ton) <sup>2</sup>	NOx	CO	SOx	TSP	PM-10	CO <sub>2</sub>	VOC	HAPs	PM 2.5 <sup>3</sup>
<i>Emissions Factors (Burn) (lb/ton)<sup>1</sup></i>	8179	2	1.4	0.1	2	1.5	1.4	3.8	0.35	1.4
<b>S-127 Surface Air Curtain Destructor</b>										
<b>Emissions (lb/yr)</b>		16357.0	11449.9	817.9	16357.0	12267.8	11449.9	31078.3	2862.5	11449.9
<b>Emissions Total (ton/yr)</b>		<b>8.179</b>	<b>5.725</b>	<b>0.409</b>	<b>8.179</b>	<b>6.134</b>	<b>5.725</b>	<b>15.539</b>	<b>1.431</b>	<b>5.725</b>

T-350 Trench Burner # 1	Total Wood Burned (ton) <sup>2</sup>	NOx	CO	SOx	TSP	PM-10	CO <sub>2</sub>	VOC	HAPs	PM 2.5 <sup>3</sup>
<i>Emissions Factors (Burn) (lb/ton)<sup>1</sup></i>	1807	2	1.4	0.1	2	1.5	1.4	3.8	0.35	1.4
<b>Emissions (lb/yr)</b>		3613.0	2529.1	180.7	3613.0	2709.8	2529.1	6864.7	632.3	2529.1
<b>Emissions Total (ton/yr)</b>		<b>1.807</b>	<b>1.265</b>	<b>0.090</b>	<b>1.807</b>	<b>1.355</b>	<b>1.265</b>	<b>3.432</b>	<b>0.316</b>	<b>1.265</b>

T-350 Trench Burner # 2	Total Wood Burned (ton) <sup>2</sup>	NOx	CO	SOx	TSP	PM-10	CO <sub>2</sub>	VOC	HAPs	PM 2.5 <sup>3</sup>
	1872									
<b>Emissions (lb/yr)</b>		3743.6	2620.5	187.2	3743.6	2807.7	2620.5	7112.8	655.1	2620.5
<b>Emissions Total (ton/yr)</b>		<b>1.872</b>	<b>1.310</b>	<b>0.094</b>	<b>1.872</b>	<b>1.404</b>	<b>1.310</b>	<b>3.556</b>	<b>0.328</b>	<b>1.310</b>

<sup>1</sup> Emissions Factors from Title V application submitted to NMED on 11/27/02

<sup>2</sup> Wood totals obtained from air curtain destructor operating logs maintained by FWO. Total for S-127 = 8156 tons of wood plus 22.5 tons of hay/straw.

<sup>3</sup> PM2.5 is 70% of total PM based on AP-42, Table 13.1-3, October 1996. Emission Factor for Fire stage for short needle conifers.

**Air Curtain Destructors - Emissions from Diesel Engine**

S-127 Air Curtain Destructor	Hours Unit Operated	NOx	CO	SOx	TSP	PM-10	CO <sub>2</sub>	Aldehydes	VOC	HAPs	PM 2.5
<i>Emission Factors (Engine) lb/hp-hr<sup>1</sup></i>	2,060	0.031	0.0067	0.0021	0.0022	0.0022	1.15	0.00046	0.0025	0.000046	0.0022
<b>Surface Unit S-127 John Deere</b>											
<b>Engine Size (hp)</b>	76										
<b>Emissions (lb/year)<sup>2</sup></b>		4853	1049	329	344	344	180044	72	391	7	344
<b>Emissions Total Ton/Year</b>		<b>2.43</b>	<b>0.52</b>	<b>0.16</b>	<b>0.17</b>	<b>0.17</b>	<b>90.02</b>	<b>0.04</b>	<b>0.20</b>	<b>0.00</b>	<b>0.17</b>

T-350 Air Curtain Destructors	Hours Unit Operated	NOx	CO	SOx	TSP	PM-10	CO <sub>2</sub>	Aldehydes	VOC	HAPs	PM 2.5
<i>Emission Factors (Engine) lb/hp-hr<sup>1</sup></i>	551	0.031	0.0067	0.0021	0.0022	0.0022	1.15	0.00046	0.0025	0.000046	0.0022
<b>Trench Unit # 1 T-350 John Deere</b>											
<b>Engine Size (hp)</b>	125										
<b>Emissions (lb/year)<sup>2</sup></b>		2135	461	145	152	152	79206	32	172	3	152
<b>Emissions Total Ton/Year</b>		<b>1.07</b>	<b>0.23</b>	<b>0.07</b>	<b>0.08</b>	<b>0.08</b>	<b>39.60</b>	<b>0.02</b>	<b>0.09</b>	<b>0.00</b>	<b>0.08</b>

Trench Unit # 2 T-350 John Deere	Hours Unit Operated	NOx	CO	SOx	TSP	PM-10	CO <sub>2</sub>	Aldehydes	VOC	HAPs	PM 2.5
	512										
<b>Engine Size (hp)</b>	125										
<b>Emissions (lb/year)<sup>2</sup></b>		1984	429	134	141	141	73600	29	160	3	141
<b>Emissions Total Ton/Year</b>		<b>0.99</b>	<b>0.21</b>	<b>0.07</b>	<b>0.07</b>	<b>0.07</b>	<b>36.80</b>	<b>0.01</b>	<b>0.08</b>	<b>0.00</b>	<b>0.07</b>

<sup>1</sup> Emissions Factors from Title V application submitted to NMED on 11/27/02

<sup>2</sup> Sample Calculation: 0.031 lb/hp-hr x 76 hp x 2060 hr = 4853 lb/yr

Operating Hours obtained from Michael Dennis.

ACDs

**Air Curtain Destroyers Emission Totals**

<b>S-127 Surface Air Curtain Destructor</b>	<b>NOx</b>	<b>CO</b>	<b>SOx</b>	<b>TSP</b>	<b>PM-10</b>	<b>CO<sub>2</sub></b>	<b>Aldehydes</b>	<b>VOC</b>	<b>HAPs</b>	<b>PM 2.5</b>
<b>Wood Burning Emissions Factors</b>	2	1.4	0.1	2	1.5	1.4		3.8	0.35	1.4
<b>Engine Emission Factors lb/hp-hr</b>	0.031	0.0067	0.0021	0.0022	0.0022	1.15	0.00046	0.0025	0.000046	0.0022
Wood Burning Emissions (Tons/year)	8.2	5.7	0.4	8.2	6.1	5.7		15.5	1.4	5.7
Engine Burning Emissions (Tons/year)	2.4	0.5	0.2	0.2	0.2	90.0	0.0	0.2	0.00	0.17
<b>Total S-127 Emissions</b>	<b>10.6</b>	<b>6.2</b>	<b>0.6</b>	<b>8.4</b>	<b>6.3</b>	<b>95.7</b>	<b>0.0</b>	<b>15.7</b>	<b>1.4</b>	<b>5.9</b>
<b>Trench # 1 T-350 Air Curtain Destructor</b>										
Wood Burning Emissions (Tons/year)	1.8	1.3	0.09	1.8	1.4	1.3		3.4	0.3	1.3
Engine Burning Emissions (Tons/year)	1.1	0.2	0.1	0.1	0.1	39.6	0.0	0.1	0.00	0.08
<b>Total T-350-1 Emissions</b>	<b>2.9</b>	<b>1.5</b>	<b>0.2</b>	<b>1.9</b>	<b>1.4</b>	<b>40.9</b>	<b>0.0</b>	<b>3.5</b>	<b>0.3</b>	<b>1.3</b>
<b>Trench # 2 T-350 Air Curtain Destructor</b>										
Wood Burning Emissions (Tons/year)	1.9	1.3	0.09	1.9	1.4	1.3		3.6	0.3	1.3
Engine Burning Emissions (Tons/year)	1.0	0.2	0.1	0.1	0.1	36.8	0.0	0.1	0.00	0.07
<b>Total T-350-2 Emissions</b>	<b>2.9</b>	<b>1.5</b>	<b>0.2</b>	<b>1.9</b>	<b>1.5</b>	<b>38.1</b>	<b>0.0</b>	<b>3.6</b>	<b>0.3</b>	<b>1.4</b>
<b>Total for 3 Air Curtain Destroyers</b>	<b>16.3</b>	<b>9.3</b>	<b>0.9</b>	<b>12.2</b>	<b>9.2</b>	<b>174.7</b>	<b>0.1</b>	<b>22.9</b>	<b>2.1</b>	<b>8.6</b>

**Max. Emissions** (from 38.2 23.7 2.0 32.4 24.4 61.3 5.6)

## Paper Shredder

Source:	SEM-1424 Disintegrator		
Manufacturer:	Security Engineered Machinery (SEM)		
Amount processed:	4600	boxes per Fiscal Year (FY)	
		383.3 boxes per month	
Amount processed:	4600	boxes per Calendar Year (CY)	
Weight Conversion:	60 lb/box		
Amount processed:	276000 lb/CY		
Emission Factor:	1 %	provided by SEM	
Uncontrolled emissions:	2760 lb/yr		
Controls:	Cyclone	90 % efficient	Based on engineering judgement
	Baghouse	99 % efficient	Based on engineering judgement
<b>Controlled emissions:</b>			
	2.76 lb/yr	Controlled PM emissions	
	2.76 lb/yr	Controlled PM-10 emissions	
	2.76 lb/yr	Controlled PM-2.5 emissions	
<b>Sample Calculations:</b>			
Uncontrolled PM Emissions (lb/yr):	$(\text{lb paper processed/yr}) * (1\%)$		
Controlled PM Emissions: (lb/yr):	$(\text{Uncontrolled PM Emissions}) * ((100 - \text{Cyclone Efficiency})/100) * ((100 - \text{Baghouse Efficiency})/100)$		

**ATTACHMENT B. 2002 EMISSIONS INVENTORY SUBMITTAL TO NMED**





# LOS ALAMOS NATIONAL LABORATORY'S 2002 EMISSIONS INVENTORY

*Submitted as Required by:*

**Title 20, Chapter 2, Part 73 of the New Mexico Administrative Code**

*Prepared by:*

**The University of California**

*For:*

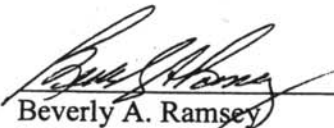
**The National Nuclear Security Administration of the  
United States Department of Energy**

*Information Contacts:*

**Margie Stockton, (505) 667-9359  
Scott Miller, (505) 665-8862**

## Certification Statement

I, Beverly A. Ramsey, hereby certify on behalf of Los Alamos National Laboratory and the University of California, that the information and statements contained in this Emissions Inventory report are true and accurate to the best of my knowledge and belief.

  
Beverly A. Ramsey

Division Leader  
Risk Reduction and Environmental Stewardship Division  
University of California  
Los Alamos National Laboratory  
(505) 667-2211

3/17/03  
Date



## **Updated NMED Spreadsheets**



2002 EI Plant General

County	County FIPS	AFS/NEDS Plant ID	Inventory Year (YYYY)	Air Program Status	SIC	Company Name	Facility Name	Street Line 1	Street Name 2	City	State	Zip Code
Los Alamos	028	0001	2002	O	9711	Los Alamos National Laboratory	Los Alamos National Laboratory	PO Box 1663, Air Quality Gro	Mail Stop J978	Los Alamos	NM	87545-

Contact Person Name	Contact Person Phone	Contact Person E-mail	UTM Zone	UTMH	UTMV	Elevation (ft)	Street Line 1	City	Permit Number	strClass	Permit Type
Jackie Hurtle	5056654380	jhurtle@lanl.gov	13	381.19	3970.3	7380	1 mi S. of Los Alamos	Los Alamos	2195, 2195B, 0632, 0634M2, 0635, 0636,	A	Regular Permit

## 2002 EI Plant Emissions

County FIPS	AFS/NEDS Plant ID	Inventory Year (YYYY)	Facility Name	Emission Type	Pollutant Code	CAS Number	Emission Numeric Value	Emission Unit Numerator
028	0001	2002	Los Alamos	12	NO2		64.67	TY
028	0001	2002	Los Alamos	12	VOC		39.89	TY
028	0001	2002	Los Alamos	12	CO		28.06	TY
028	0001	2002	Los Alamos	12	PT		15.42	TY
028	0001	2002	Los Alamos	12	PM10		12.45	TY
028	0001	2002	Los Alamos	12	PM25		11.84	TY
028	0001	2002	Los Alamos	12	SO2		1.34	TY
028	0001	2002	Los Alamos	12	NH3	7664-41-7	0.156	TY
028	0001	2002	Los Alamos	12	Hydrogen chloride	7647010	2.552	TY
028	0001	2002	Los Alamos	12	Dichloromethane	75092	1.453	TY
028	0001	2002	Los Alamos	12	Hexane	110543	1.029	TY
028	0001	2002	Los Alamos	12	Acetonitrile	75058	0.954	TY
028	0001	2002	Los Alamos	12	Methanol	67561	0.854	TY
028	0001	2002	Los Alamos	12	Manganese Compounds	198	0.844	TY
028	0001	2002	Los Alamos	12	Ethylene glycol	107211	0.308	TY
028	0001	2002	Los Alamos	12	Toluene	108883	0.281	TY
028	0001	2002	Los Alamos	12	Formaldehyde	50000	0.262	TY
028	0001	2002	Los Alamos	12	Benzene	71432	0.234	TY
028	0001	2002	Los Alamos	12	Acrolein	107028	0.213	TY
028	0001	2002	Los Alamos	12	Hydrogen Fluoride	7664393	0.212	TY
028	0001	2002	Los Alamos	12	Chloroform	67663	0.204	TY
028	0001	2002	Los Alamos	12	2,2,4-Trimethylpentane	540841	0.188	TY
028	0001	2002	Los Alamos	12	2-Butanone (MEK)	78933	0.116	TY
028	0001	2002	Los Alamos	12	Styrene	100425	0.101	TY
028	0001	2002	Los Alamos	12	1,4-Dioxane (1,4-Diethyleneoxide)	123911	0.092	TY
028	0001	2002	Los Alamos	12	1,2Dichloroethane	107062	0.077	TY
028	0001	2002	Los Alamos	12	Dimethyl formamide	68122	0.070	TY
028	0001	2002	Los Alamos	12	Chlorine	7782505	0.064	TY
028	0001	2002	Los Alamos	12	Xylene	1330207	0.064	TY
028	0001	2002	Los Alamos	12	Glycol ethers Compounds	171	0.050	TY
028	0001	2002	Los Alamos	12	Acetaldehyde	75070	0.047	TY
028	0001	2002	Los Alamos	12	Nickel Compounds	226	0.038	TY
028	0001	2002	Los Alamos	12	Trichloroethene	79016	0.025	TY
028	0001	2002	Los Alamos	12	Chromium Compounds	136	0.021	TY
028	0001	2002	Los Alamos	12	Ethyl Benzene	100414	0.018	TY
028	0001	2002	Los Alamos	12	Chlorobenzene	108907	0.018	TY
028	0001	2002	Los Alamos	12	Tetrachloroethene (Perchloroethylene)	127184	0.016	TY
028	0001	2002	Los Alamos	12	Chloromethane	74873	0.015	TY
028	0001	2002	Los Alamos	12	Hydroquinone	123319	0.012	TY
028	0001	2002	Los Alamos	12	Lead Compounds	195	9.88E-03	TY
028	0001	2002	Los Alamos	12	Cyanide Compounds	144	9.40E-03	TY
028	0001	2002	Los Alamos	12	Triethylamine	121448	7.82E-03	TY
028	0001	2002	Los Alamos	12	Carbon tetrachloride	56235	7.68E-03	TY
028	0001	2002	Los Alamos	12	o-Xylene	95476	5.92E-03	TY
028	0001	2002	Los Alamos	12	Methylene diphenyl diisocyanate (MDI)	101688	5.45E-03	TY
028	0001	2002	Los Alamos	12	Acrylamide	79061	4.97E-03	TY
028	0001	2002	Los Alamos	12	Phenol	108952	3.77E-03	TY
028	0001	2002	Los Alamos	12	Propionaldehyde	123386	3.53E-03	TY
028	0001	2002	Los Alamos	12	1,1,1-Trichloroethane	71556	3.13E-03	TY
028	0001	2002	Los Alamos	12	Cobalt Compounds	139	2.75E-03	TY
028	0001	2002	Los Alamos	12	Arsenic Compounds	93	2.67E-03	TY
028	0001	2002	Los Alamos	12	POM	246	2.54E-03	TY
028	0001	2002	Los Alamos	12	1,2-Dichloropropane	78875	1.76E-03	TY
028	0001	2002	Los Alamos	12	Antimony Compounds	92	1.48E-03	TY
028	0001	2002	Los Alamos	12	Phosphorus	7723140	1.44E-03	TY
028	0001	2002	Los Alamos	12	Dibutylphthalate	84742	1.15E-03	TY
028	0001	2002	Los Alamos	12	Quinone	106514	1.11E-03	TY
028	0001	2002	Los Alamos	12	p-Xylenes	106423	1.04E-03	TY
028	0001	2002	Los Alamos	12	Methyl methacrylate	80626	1.04E-03	TY
028	0001	2002	Los Alamos	12	Vinyl Chloride	75014	9.60E-04	TY
028	0001	2002	Los Alamos	12	Bromomethane	74839	8.00E-04	TY
028	0001	2002	Los Alamos	12	Mercury Compounds	199	7.96E-04	TY
028	0001	2002	Los Alamos	12	Dimethyl sulfate	77781	7.34E-04	TY
028	0001	2002	Los Alamos	12	Nitrobenzene	98953	6.61E-04	TY
028	0001	2002	Los Alamos	12	m-Cresol	108394	6.61E-04	TY
028	0001	2002	Los Alamos	12	Cadmium Compounds	125	6.55E-04	TY
028	0001	2002	Los Alamos	12	Naphthalene	91203	6.09E-04	TY
028	0001	2002	Los Alamos	12	Carbon disulfide	75150	5.56E-04	TY
028	0001	2002	Los Alamos	12	1,1,2-Trichloroethane	79005	5.51E-04	TY
028	0001	2002	Los Alamos	12	Propylene oxide	75569	4.96E-04	TY
028	0001	2002	Los Alamos	12	Ethylene dibromide (Dibromoethane)	106934	4.86E-04	TY
028	0001	2002	Los Alamos	12	Dichlorobenzene	106467	4.59E-04	TY
028	0001	2002	Los Alamos	12	Acrylonitrile	107131	4.58E-04	TY
028	0001	2002	Los Alamos	12	Selenium Compounds	253	4.21E-04	TY

## 2002 EI Plant Emissions

028	0001	2002	Los Alamos	12	Beryllium Compounds	109	2.56E-04	TY
028	0001	2002	Los Alamos	12	p-Phenylenediamine	106503	2.22E-04	TY
028	0001	2002	Los Alamos	12	Caprolactam(See Modification)	105602	2.20E-04	TY
028	0001	2002	Los Alamos	12	m-Xylenes	108383	2.02E-04	TY
028	0001	2002	Los Alamos	12	Chromium, hexavalent	18540299	1.87E-04	TY
028	0001	2002	Los Alamos	12	1,2,4-Trichlorobenzene	120821	1.65E-04	TY
028	0001	2002	Los Alamos	12	Methyl iodide (Iodomethane)	74884	1.21E-04	TY
028	0001	2002	Los Alamos	12	Bis(chloromethyl)ether	542881	1.11E-04	TY
028	0001	2002	Los Alamos	12	Acetophenone	98862	1.10E-04	TY
028	0001	2002	Los Alamos	12	Hexamethylphosphoramide	680319	1.10E-04	TY
028	0001	2002	Los Alamos	12	Diethanolamine	111422	1.10E-04	TY
028	0001	2002	Los Alamos	12	1,3-Butadiene	106990	9.51E-05	TY
028	0001	2002	Los Alamos	12	Phosphine	7803512	9.47E-05	TY
028	0001	2002	Los Alamos	12	4-Nitrophenol	100027	6.10E-05	TY
028	0001	2002	Los Alamos	12	Hydrazine	302012	5.51E-05	TY
028	0001	2002	Los Alamos	12	1,3-Propane sultone	1120714	5.51E-05	TY
028	0001	2002	Los Alamos	12	Chloromethyl methyl ether	107302	2.76E-05	TY
028	0001	2002	Los Alamos	12	2,4-Dinitrophenol	51285	9.60E-06	TY
028	0001	2002	Los Alamos	12	N,N-Diethyl aniline (N,N-Dimethylaniline)	121697	5.27E-06	TY
028	0001	2002	Los Alamos	12	Pentachlorophenol	87865	2.72E-06	TY
028	0001	2002	Los Alamos	12	Beryllium	7440417	2.58E-06	TY
028	0001	2002	Los Alamos	12	bis(2-Ethylhexyl)phthalate	117817	2.51E-06	TY
028	0001	2002	Los Alamos	12	AL-PT	7429905	2.10E-06	TY
028	0001	2002	Los Alamos	12	2,4,6-Trichlorophenol	88062	1.17E-06	TY
028	0001	2002	Los Alamos	12	Ethylidene dichloride (1,1-Dichloroethane)	75343	1.10E-06	TY
028	0001	2002	Los Alamos	12	Vinylidene chloride (1,1-Dichloroethylene)	75354	5.51E-07	TY
028	0001	2002	Los Alamos	12	2,3,7,8-Tetrachlorodibenzo-p-furans (PCBs)	624	4.80E-09	TY
028	0001	2002	Los Alamos	12	2,3,7,8-Tetrachlorodibenzo-p-dioxins	1746016	4.59E-10	TY

2002 EI Emission Unit

County FIPS	AFS/NEDS Plant ID	Inventory Year (YYYY)	Company Name	Facility Name	AIRS Point ID	Description	Design Capacity	Design Capacity Unit	Design Capacity Unit	Max Nameplate	Installation Date	Removal Date	Shut Down?
028	0001	2002	Los	Los	001	Be Machining TA-3 BLDG 39	0	YR	YR	0	1-Jan-85	22-Oct-02	TRUE
028	0001	2002	Los	Los	002	TA3-22 Boilers (3 Each ) See Pt	0	E6BTU	HR	0	1-Jan-50	#####	TRUE
028	0001	2002	Los	Los	003	TA16 Boiler (3 Each) - Removed	0	E6BTU	HR	0	1-Jan-50	1-Jan-97	TRUE
028	0001	2002	Los	Los	004	Steam Plant Boiler TA21 BLDG	30.6	E6BTU	HR	36	1-Jan-83		FALSE
028	0001	2002	Los	Los	005	TD Site Boiler (Not Built)	0	E6BTU	HR	0			FALSE
028	0001	2002	Los	Los	006	Be Machining TA35 BLDG 213	0	YR	YR	0	26-Dec-85		FALSE
028	0001	2002	Los	Los	007	Be Machining TA3 BLDG 141	0	YR	YR	10000	19-Mar-85		FALSE
028	0001	2002	Los	Los	008	Be Machining TA3 BLDG 102	0	YR	YR	0	19-Mar-86		FALSE
028	0001	2002	Los	Los	009	Be Shop TA3-35 (Not Built)	0	YR	YR	0		22-Oct-02	TRUE
028	0001	2002	Los	Los	010	Be Cutting & Beand Dressing TA-	0	YR	YR	1100	1-Jan-78		FALSE
028	0001	2002	Los	Los	011	Metallography TA55-4 North	0	YR	YR	1100	1-Jan-78		FALSE
028	0001	2002	Los	Los	012	Solid Waste Fired Boiler (Not	0	E6BTU	HR	0			FALSE
028	0001	2002	Los	Los	013	Asphalt Plant TA-3-73	60	TON	HR	60	1-Jan-60		FALSE
028	0001	2002	Los	Los	014	Caterpillar HCR TA SI Pump	700	HP	HR	700	1-Jan-82	1-Nov-01	TRUE
028	0001	2002	Los	Los	015	Boiler (TA-48-1) BS-1	5.3	E6BTU	HR	6.3	1-Aug-87		FALSE
028	0001	2002	Los	Los	016	Boiler (TA-48-1) BS-2	5.3	E6BTU	HR	6.3	1-Oct-76		FALSE
028	0001	2002	Los	Los	017	Boiler (TA-48-1) BS-6	7.1	E6BTU	HR	8.4	1-Oct-94		FALSE
028	0001	2002	Los	Los	018	Boiler (TA-53-365) BHW-1	7.1	E6BTU	HR	8.4	1-Jan-88		FALSE
028	0001	2002	Los	Los	019	Boiler (TA-53-365) BHW-2	7.1	E6BTU	HR	8.4	1-Jan-88		FALSE
028	0001	2002	Los	Los	020	Boiler (TA-59-1) BHW-1	5.3	E6BTU	HR	6.3	1-Sep-78		FALSE
028	0001	2002	Los	Los	021	Boiler (TA-59-1) BHW-2	5.3	E6BTU	HR	6.3	1-Oct-94		FALSE
028	0001	2002	Los	Los	022	Boiler (TA-55-6) BHW-1	7.1	E6BTU	HR	8.4	1-Jan-76	1-Oct-98	TRUE
028	0001	2002	Los	Los	023	Boiler (TA-55-6) BHW-2	7.1	E6BTU	HR	8.4	1-Jan-76	1-Oct-01	TRUE
028	0001	2002	Los	Los	024	Boiler and backup, TA-16, Plant-5	12.7	E6BTU	HR	15	1-Nov-96		FALSE
028	0001	2002	Los	Los	025	Boiler and Backup, Plant 6 (TA-	15.6	E6BTU	HR	18.4	1-Nov-96		FALSE
028	0001	2002	Los	Los	026	Rock Crusher	150	TON	HR	150	1-Jun-98		FALSE
028	0001	2002	Los	Los	027	SEM-1424 Disintegrator paper	300	LB	HR	300	1-Jan-91		FALSE
028	0001	2002	Los	Los	028	Degreaser - cold ultrasonic bath	20	L	DAY	20	1-Sep-98		FALSE
028	0001	2002	Los	Los	029	Degreaser - cold ultrasonic bath	18	L	DAY	18	3-Jun-00	6-Dec-01	TRUE
028	0001	2002	Los	Los	030	Degreaser - inhouse cold batch	6	L	DAY	6	1-Dec-99	29-Jan-01	TRUE
028	0001	2002	Los	Los	031	Research & Development	0	YR	YR	0	1-Jan-50		FALSE
028	0001	2002	Los	Los	032	TA3-22 Edgemoor Iron Works	189.5	E6BTU	HR	210	1-Jan-50		FALSE
028	0001	2002	Los	Los	033	TA3-22 Edgemoor Iron Works	189.5	E6BTU	HR	210	1-Jan-50		FALSE
028	0001	2002	Los	Los	034	TA3-22 Edgemoor Iron Works	189.5	E6BTU	HR	210	1-Jan-50		FALSE
028	0001	2002	Los	Los	035	Tank TA-03-026 (No. 2 fuel oil)	3770	BBL	DAY	3770	1-Jan-52		FALSE
028	0001	2002	Los	Los	036	Tank TA-03-779 (No. 2 fuel oil)	5455	BBL	DAY	5455	1-Aug-98		FALSE
028	0001	2002	Los	Los	037	Sellers Boiler BHW-1B(TA 55,	12.4	E6BTU	HR	14.6	1-Oct-98		FALSE
028	0001	2002	Los	Los	038	Sellers Boiler BHW-2B(TA 55,	12.4	E6BTU	HR	14.6	6-Sep-01		FALSE
028	0001	2002	Los	Los	039	Air Curtain Destructor S-127	20	TON	HR	20	29-Oct-01		FALSE
028	0001	2002	Los	Los	040	Air Curtain Destructor T-350-1	20	TON	HR	20	26-Sep-01		FALSE
028	0001	2002	Los	Los	041	Air Curtain Destructor T-350-2	20	TON	HR	20	11-Oct-01		FALSE
028	0001	2002	Los	Los	New-042	Carpenter Shop TA-3-38	5470	CUBIC	MIN	5470	1-Jan-60		FALSE
028	0001	2002	Los	Los	New-043	Composite Mineral Oil Tank	21000	GALLON	DAY	21000	1-Jan-86		FALSE



2002 EI Stack Parameters

County FIPs	AFS/NED S Plant ID	Inventory Year	Facility Name	Description	AIRS Point ID	AIRS Stack ID	State Local	Stack Height	Stack Diameter	Exit Gas Temperat	Exit Gas Velocity	UTM Zone	X Coordinate	Y Coordinate
028	0001	2002	Los Alamos	Be Machining TA-3 BLDG 39	001	001	001	54	1	70	38	13	380.48	3970.38
028	0001	2002	Los Alamos	TA3-22 Boilers (3 Each ) See	002	002	002	68	8	416	12	13	380.5	3971
028	0001	2002	Los Alamos	TA16 Boiler (3 Each) -	003	003	003	65	5	0	0	13	378	3968
028	0001	2002	Los Alamos	Steam Plant Boiler TA21	004	004	004	41	2	68	13	13	385	3971
028	0001	2002	Los Alamos	TD Site Boiler (Not Built)	005	005	005	0	0	0	0	13	380	3970
028	0001	2002	Los Alamos	Be Machining TA35 BLDG	006	006	006	71	1	70	38	13	382.85	3969.39
028	0001	2002	Los Alamos	Be Machining TA3 BLDG 141	007	007	007	50	5	70	47	13	381.2	3970.28
028	0001	2002	Los Alamos	Be Machining TA3 BLDG 102	008	008	008	45	3	70	19	13	380.5	3970.16
028	0001	2002	Los Alamos	Be Shop TA3-35 (Not Built)	009	009	009	0	0	0	0	13	380	3970.02
028	0001	2002	Los Alamos	Be Cutting & Beand Dressing	010	010	010	32	4	77	30	13	382	3969
028	0001	2002	Los Alamos	Metallography TA55-4 North	011	011	011	49	4	77	39	13	382	3969
028	0001	2002	Los Alamos	Asphalt Plant TA-3-73	013	013	013	30	4	130	27	13	380	3970
028	0001	2002	Los Alamos	Caterpillar HCR TA SI Pump	014	014	014	17	1	977	75	13	386	3968
028	0001	2002	Los Alamos	Boiler (TA-48-1) BS-1	015	015	015	50	2	300	10	13	382	3970
028	0001	2002	Los Alamos	Boiler (TA-48-1) BS-2	016	016	016	50	2	300	10	13	382	3970
028	0001	2002	Los Alamos	Boiler (TA-48-1) BS-6	017	017	017	50	2	300	13	13	382	3970
028	0001	2002	Los Alamos	Boiler (TA-53-365) BHW-1	018	018	018	22	2	300	32	13	386	3970
028	0001	2002	Los Alamos	Boiler (TA-53-365) BHW-2	019	019	019	22	2	300	32	13	386	3970
028	0001	2002	Los Alamos	Boiler (TA-59-1) BHW-1	020	020	020	55	2	300	19	13	381	3970
028	0001	2002	Los Alamos	Boiler (TA-59-1) BHW-2	021	021	021	55	2	300	19	13	381	3970
028	0001	2002	Los Alamos	Boiler (TA-55-6) BHW-1	022	022	022	30	2	222	24	13	383	3970
028	0001	2002	Los Alamos	Boiler (TA-55-6) BHW-2	023	023	023	30	2	333	29	13	383	3970
028	0001	2002	Los Alamos	Boiler and backup, TA-16,	024	024	024	21	2	341	22	13	379	3967
028	0001	2002	Los Alamos	Boiler and Backup, Plant 6	025	025	025	19	2	341	14	13	379	3967
028	0001	2002	Los Alamos	Rock Crusher	026	026	026	3	3	70	0	13	379	3967
028	0001	2002	Los Alamos	SEM-1424 Disintegrator	027	027	027	26	1	70	29	13	384	3969
028	0001	2002	Los Alamos	Degreaser - cold ultrasonic	028	028	028	32	4	77	30	13	382	3969
028	0001	2002	Los Alamos	Degreaser - cold ultrasonic	029	029	029	32	1	70	3	13	384	3968
028	0001	2002	Los Alamos	Degreaser - inhouse cold	030	030	030	32	1	70	3	13	384	3968
028	0001	2002	Los Alamos	Research & Development	031	031	031	0	0	0	0	13	384	3968
028	0001	2002	Los Alamos	TA3-22 Edgemoor Iron	032	032	001	68	8	416	29	13	381.19	3970.3
028	0001	2002	Los Alamos	TA3-22 Edgemoor Iron	033	033	001	68	8	416	29	13	381.19	3970.3
028	0001	2002	Los Alamos	TA3-22 Edgemoor Iron	034	034	001	68	8	416	29	13	381.19	3970.3
028	0001	2002	Los Alamos	Tank TA-03-026 (No. 2 fuel	035	035	035	0	0	0	0	13	381.19	3970.3
028	0001	2002	Los Alamos	Tank TA-03-779 (No. 2 fuel	036	036	036	0	0	0	0	13	381.19	3970.3
028	0001	2002	Los Alamos	Sellers Boiler BHW-1B(TA	037	037	BWH-1B	30	2	334	8	13	381.19	3970.3
028	0001	2002	Los Alamos	Sellers Boiler BHW-2B(TA	038	038	BWH-2B	30	2	334	8	13	381.19	3970.3
028	0001	2002	Los Alamos	Air Curtain Destructor S-127	039	039	039	10	17	2500	1	13	381.19	3970.3
028	0001	2002	Los Alamos	Air Curtain Destructor T-350-	040	040	040	10	25	2500	1	13	381.19	3970.3
028	0001	2002	Los Alamos	Air Curtain Destructor T-350-	041	041	041	10	25	2500	1	13	381.19	3970.3
028	0001	2002	Los Alamos	Carpenter Shop TA-3-38	New-042	New-042	New-042	17	1.1	75	45	13	380.26	3970.72
028	0001	2002	Los Alamos	Composite Mineral Oil Tank	New-043	New-043	New-043	0	0	0	0	13	386.72	3969.92

2002 EI Unit Process

Inventory Year	Facility Name	SCC AFS	Description	AIRS Point ID	AIRS Stack ID	Winter Throughp	Spring Throughp	Summer Throughp	Fall Throughp	Annual Avg	Annual Avg Days	Annual Avg	Annual Avg	Heat Content	Sulfur Content	Ash Content
2002	Los Alamos	30903004	Be Machining TA-3 BLDG 39	001	001	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	10100601	TA3-22 Boilers (3 Each ) See	002	002	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	10100602	TA16 Boiler (3 Each) -	003	003	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	10100602	Steam Plant Boiler TA21	004	004	25	25	25	25	24	7	52	8760	1030	0	0
2002	Los Alamos	10100602	TD Site Boiler (Not Built)	005	005	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	30903004	Be Machining TA35 BLDG 213	006	006	15	20	30	35	24	7	52	1920	0	0	0
2002	Los Alamos	30903004	Be Machining TA3 BLDG 141	007	007	25	25	25	25	24	7	52	8760	0	0	0
2002	Los Alamos	30903004	Be Machining TA3 BLDG 102	008	008	25	25	25	25	24	7	52	2400	0	0	0
2002	Los Alamos	30903004	Be Shop TA3-35 (Not Built)	009	009	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	30903004	Be Cutting & Beand Dressing	010	010	25	25	25	25	24	7	52	8760	0	0	0
2002	Los Alamos	30900303	Metallography TA55-4 North	011	011	25	25	25	25	24	7	52	8760	0	0	0
2002	Los Alamos	30500211	Asphalt Plant TA-3-73	013	013	15	20	35	30	24	7	52	60	0	0	0
2002	Los Alamos	20200202	Caterpillar HCR TA SI Pump	014	014	15	35	35	15	24	7	52	2400	1030	0	0
2002	Los Alamos	10100602	Boiler (TA-48-1) BS-1	015	015	40	20	0	40	24	7	33	5500	1030	0	0
2002	Los Alamos	10100602	Boiler (TA-48-1) BS-2	016	016	40	20	0	40	24	7	33	5500	1030	0	0
2002	Los Alamos	10100602	Boiler (TA-48-1) BS-6	017	017	40	20	0	40	24	7	33	5500	1030	0	0
2002	Los Alamos	10100602	Boiler (TA-53-365) BHW-1	018	018	40	20	0	40	24	7	33	5500	1030	0	0
2002	Los Alamos	10100602	Boiler (TA-53-365) BHW-2	019	019	40	20	0	40	24	7	33	5500	1030	0	0
2002	Los Alamos	10100602	Boiler (TA-59-1) BHW-1	020	020	40	20	0	40	24	7	33	5500	1030	0	0
2002	Los Alamos	10100602	Boiler (TA-59-1) BHW-2	021	021	40	20	0	40	24	7	33	5500	1030	0	0
2002	Los Alamos	10100602	Boiler (TA-55-6) BHW-1	022	022	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	10100602	Boiler (TA-55-6) BHW-2	023	023	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	10100602	Boiler and backup, TA-16,	024	024	25	25	25	25	24	7	52	8760	1030	0	0
2002	Los Alamos	10100602	Boiler and Backup, Plant 6 (TA-	025	025	25	25	25	25	24	7	52	8760	1030	0	0
2002	Los Alamos	30502501	Rock Crusher	026	026	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	30701399	SEM-1424 Disintegrator paper	027	027	25	25	25	25	24	7	52	470	0	0	0
2002	Los Alamos	40100336	Degreaser - cold ultrasonic	028	028	25	25	25	25	24	7	52	1	0	0	0
2002	Los Alamos	40100336	Degreaser - cold ultrasonic	029	029	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	40100336	Degreaser - inhouse cold batch	030	030	0	0	0	0	0	0	0	0	0	0	0
2002	Los Alamos	31503001	Research & Development	031	031	25	25	25	25	24	7	52	8760	0	0	0
2002	Los Alamos	10100601	TA3-22 Edgemoor Iron Works	032	032	30	20	20	30	24	7	52	8760	1030	0	0
2002	Los Alamos	10100601	TA3-22 Edgemoor Iron Works	033	033	30	20	20	30	24	7	52	8760	1030	0	0
2002	Los Alamos	10100601	TA3-22 Edgemoor Iron Works	034	034	30	20	20	30	24	7	52	8760	1030	0	0
2002	Los Alamos	39090004	Tank TA-03-026 (No. 2 fuel oil)	035	035	30	20	20	30	24	7	52	8760	137000	0	0
2002	Los Alamos	39090004	Tank TA-03-779 (No. 2 fuel oil)	036	036	30	20	20	30	24	7	52	8760	137000	0	0
2002	Los Alamos	10100602	Sellers Boiler BHW-1B(TA 55,	037	037	40	20	0	40	24	7	33	5500	1030	0	0
2002	Los Alamos	10100602	Sellers Boiler BHW-2B(TA 55,	038	038	40	20	0	40	24	7	33	5500	1030	0	0
2002	Los Alamos	30181001	Air Curtain Destructor S-127	039	039	10	40	10	40	24	5	30	1500	4500	0	0
2002	Los Alamos	30181001	Air Curtain Destructor T-350-1	040	040	10	40	10	40	24	5	30	1500	4500	0	0
2002	Los Alamos	30181001	Air Curtain Destructor T-350-2	041	041	10	40	10	40	24	5	30	1500	4500	0	0
2002	Los Alamos	30700804	Carpenter Shop TA-3-38	NEW-042	NEW-042	20	30	30	20	12	7	52	4368	4500	0	0
2002	Los Alamos	39090004	Composite Mineral Oil Tank	NEW-043	NEW-043	25	25	25	25	24	7	52	8760	0	0	0

2002 EI Unit Activity

Inventory Year (YYYY)	Facility Name	Description	AIRS Point ID	AIRS Stack ID	Actual Throughput	Throughput Unit Numerator	Max Operating Rate Per	Material	Material I/O
2002	Los Alamos	Be Machining TA-3 BLDG 39	001	001	0	LB	0	516	I
2002	Los Alamos	TA3-22 Boilers (3 Each ) See	002	002	0	E6FT3S	0	209	I
2002	Los Alamos	TA16 Boiler (3 Each) -	003	003	0	E6FT3S	0	209	I
2002	Los Alamos	Steam Plant Boiler TA21 BLDG	004	004	34	E6FT3S	0000033	209	I
2002	Los Alamos	TD Site Boiler (Not Built)	005	005	0	E6FT3S	0000000	209	I
2002	Los Alamos	Be Machining TA35 BLDG 213	006	006	0	LB	0000000	516	I
2002	Los Alamos	Be Machining TA3 BLDG 141	007	007	<10,000	LB	0000000	516	I
2002	Los Alamos	Be Machining TA3 BLDG 102	008	008	0	LB	0000000	516	I
2002	Los Alamos	Be Shop TA3-35 (Not Built)	009	009	0	LB	0000000	516	I
2002	Los Alamos	Be Cutting & Beand Dressing	010	010	1100	LB	0000000	516	I
2002	Los Alamos	Metallography TA55-4 North	011	011	1100	LB	0000000	516	I
2002	Los Alamos	Asphalt Plant TA-3-73	013	013	6944	TON	43	647	I
2002	Los Alamos	Caterpillar HCR TA SI Pump	014	014	0	E6FT3S	0	209	I
2002	Los Alamos	Boiler (TA-48-1) BS-1	015	015	8.2	E6FT3S	0.0016	209	I
2002	Los Alamos	Boiler (TA-48-1) BS-2	016	016	8.2	E6FT3S	0.0016	209	I
2002	Los Alamos	Boiler (TA-48-1) BS-6	017	017	10.9	E6FT3S	0.0022	209	I
2002	Los Alamos	Boiler (TA-53-365) BHW-1	018	018	10.9	E6FT3S	0.0022	209	I
2002	Los Alamos	Boiler (TA-53-365) BHW-2	019	019	10.9	E6FT3S	0.0022	209	I
2002	Los Alamos	Boiler (TA-59-1) BHW-1	020	020	8.1	E6FT3S	0.0016	209	I
2002	Los Alamos	Boiler (TA-59-1) BHW-2	021	021	8.1	E6FT3S	0.0016	209	I
2002	Los Alamos	Boiler (TA-55-6) BHW-1	022	022	0	E6FT3S	0	209	I
2002	Los Alamos	Boiler (TA-55-6) BHW-2	023	023	0	E6FT3S	0	209	I
2002	Los Alamos	Boiler and backup, TA-16, Plant	024	024	13.9	E6FT3S	0.0016	209	I
2002	Los Alamos	Boiler and Backup, Plant 6 (TA-	025	025	0	E6FT3S	0	209	I
2002	Los Alamos	Rock Crusher	026	026	0	TON	0	284	I
2002	Los Alamos	SEM-1424 Disintegrator paper	027	027	27600	LB	299.4	226	I
2002	Los Alamos	Degreaser - cold ultrasonic	028	028	56	L	20	952	I
2002	Los Alamos	Degreaser - cold ultrasonic	029	029	0	L	0	952	I
2002	Los Alamos	Degreaser - inhouse cold batch	030	030	0	L	0	952	I
2002	Los Alamos	Research & Development	031	031	0	TON	0	253	I
2002	Los Alamos	TA3-22 Edgemoor Iron Works	032	032	236.3	E6FT3S	0.184	209	I
2002	Los Alamos	TA3-22 Edgemoor Iron Works	033	033	191.1	E6FT3S	0.184	209	I
2002	Los Alamos	TA3-22 Edgemoor Iron Works	034	034	185.1	E6FT3S	0.184	209	I
2002	Los Alamos	Tank TA-03-026 (No. 2 fuel oil)	035	035	23.6	E3GAL	2.7	58	I
2002	Los Alamos	Tank TA-03-779 (No. 2 fuel oil)	036	036	23.6	E3GAL	2.7	58	I
2002	Los Alamos	Sellers Boiler BHW-1B(TA 55,	037	037	19.1	E6FT3S	0.012	209	I
2002	Los Alamos	Sellers Boiler BHW-2B(TA 55,	038	038	19.1	E6FT3S	0.012	209	I
2002	Los Alamos	Air Curtain Destructor S-127	039	039	8179	TON	10	15	I
2002	Los Alamos	Air Curtain Destructor T-350-1	040	040	1807	TON	10	15	I
2002	Los Alamos	Air Curtain Destructor T-350-2	041	041	1872	TON	10	15	I
2002	Los Alamos	Carpenter Shop - TA-3-38	New-042	New-042	2706	FT3/MIN	1.62E+05	15	I
2002	Los Alamos	Composite Mineral Oil Tank	New-043	New-043	30	E3GAL	3.4	216	I

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Inventory Year (YYYY)	Facility Name	AIRS Point ID	AIRS Stack ID	Pollutant Code	CAS Number	Emission Numeric Value	Emission Unit Numerator	PSD Increment	Calculation Method Code
2002	Los Alamos	004	004	Ethyl Benzene	100444	0	TY	FALSE	08
2002	Los Alamos	004	004	Hexane	110643	0	TY	FALSE	08
2002	Los Alamos	004	004	Acetaldehyde	75070	0	TY	FALSE	08
2002	Los Alamos	004	004	Hydrogen Fluoride	7664393	0	TY	FALSE	08
2002	Los Alamos	001	001	Beryllium	7440417	0	TY	FALSE	08
2002	Los Alamos	004	004	Benzene	71432	0	TY	FALSE	08
2002	Los Alamos	004	004	Formaldehyde	50000	0	TY	FALSE	08
2002	Los Alamos	004	004	HC84		0	TY	FALSE	08
2002	Los Alamos	004	004	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	001	001	PM10		0	TY	FALSE	08
2002	Los Alamos	001	001	PM25		0	TY	FALSE	08
2002	Los Alamos	001	001	PT		0	TY	FALSE	08
2002	Los Alamos	004	004	Toluene	108883	0	TY	FALSE	08
2002	Los Alamos	002	002	CO		0	TY	FALSE	08
2002	Los Alamos	002	002	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	002	002	NO2		0	TY	FALSE	08
2002	Los Alamos	002	002	PM10		0	TY	FALSE	08
2002	Los Alamos	002	002	PM25		0	TY	FALSE	08
2002	Los Alamos	002	002	PT		0	TY	FALSE	08
2002	Los Alamos	002	002	SO2		0	TY	FALSE	08
2002	Los Alamos	002	002	VOC		0	TY	FALSE	08
2002	Los Alamos	004	004	CO		1.43	TY	FALSE	08
2002	Los Alamos	004	004	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	004	004	NO2		1.7	TY	FALSE	08
2002	Los Alamos	004	004	PM10		0.13	TY	FALSE	08
2002	Los Alamos	004	004	PM25		0.13	TY	FALSE	08
2002	Los Alamos	004	004	PT		0.13	TY	FALSE	08
2002	Los Alamos	004	004	SO2		0.01	TY	FALSE	08
2002	Los Alamos	004	004	VOC		0.09	TY	FALSE	08
2002	Los Alamos	004	004	Arsenic Compounds	93	3.40E-06	TY	FALSE	08
2002	Los Alamos	004	004	Benzene	71432	3.57E-05	TY	FALSE	08
2002	Los Alamos	004	004	Beryllium Compounds	109	2.04E-07	TY	FALSE	08
2002	Los Alamos	004	004	Cadmium Compounds	125	1.87E-05	TY	FALSE	08
2002	Los Alamos	004	004	Chromium Compounds	136	2.38E-05	TY	FALSE	08
2002	Los Alamos	004	004	Cobalt Compounds	139	1.43E-06	TY	FALSE	08
2002	Los Alamos	004	004	Dichlorobenzene	106467	2.04E-05	TY	FALSE	08
2002	Los Alamos	004	004	Formaldehyde	50000	1.28E-04	TY	FALSE	08
2002	Los Alamos	004	004	Hexane	110543	3.08E-02	TY	FALSE	08
2002	Los Alamos	004	004	Lead Compounds	195	8.51E-06	TY	FALSE	08
2002	Los Alamos	004	004	Manganese Compounds	198	6.46E-06	TY	FALSE	08
2002	Los Alamos	004	004	Mercury Compounds	199	4.42E-06	TY	FALSE	08
2002	Los Alamos	004	004	Naphthalene	91203	1.04E-05	TY	FALSE	08
2002	Los Alamos	004	004	Nickel Compounds	226	3.57E-05	TY	FALSE	08
2002	Los Alamos	004	004	POM	246	1.50E-06	TY	FALSE	08
2002	Los Alamos	004	004	Selenium Compounds	253	4.08E-07	TY	FALSE	08
2002	Los Alamos	004	004	Toluene	108883	5.78E-05	TY	FALSE	08
2002	Los Alamos	005	005	CO		0	TY	FALSE	08
2002	Los Alamos	005	005	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	005	005	NO2		0	TY	FALSE	08
2002	Los Alamos	005	005	PM10		0	TY	FALSE	08
2002	Los Alamos	005	005	PM25		0	TY	FALSE	08
2002	Los Alamos	005	005	PT		0	TY	FALSE	08
2002	Los Alamos	005	005	VOC		0	TY	FALSE	08
2002	Los Alamos	006	006	Beryllium	7440417	4.00E-07	TY	FALSE	08
2002	Los Alamos	006	006	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	006	006	PM10		4.00E-07	TY	FALSE	08
2002	Los Alamos	006	006	PM25		4.00E-07	TY	FALSE	08
2002	Los Alamos	006	006	PT		4.00E-07	TY	FALSE	08
2002	Los Alamos	007	007	Beryllium	7440417	7.08E-09	TY	FALSE	08
2002	Los Alamos	007	007	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	007	007	PM10		7.08E-09	TY	FALSE	01
2002	Los Alamos	007	007	PM25		7.08E-09	TY	FALSE	01
2002	Los Alamos	007	007	PT		7.08E-09	TY	FALSE	01
2002	Los Alamos	008	008	Beryllium	7440417	7.00E-08	TY	FALSE	01
2002	Los Alamos	008	008	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	008	008	PM10		7.00E-08	TY	FALSE	08
2002	Los Alamos	008	008	PM25		7.00E-08	TY	FALSE	08
2002	Los Alamos	008	008	PT		7.00E-08	TY	FALSE	08
2002	Los Alamos	009	009	Beryllium	7440417	0	TY	FALSE	08
2002	Los Alamos	009	009	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	009	009	PM10		0	TY	FALSE	08
2002	Los Alamos	009	009	PM25		0	TY	FALSE	08
2002	Los Alamos	009	009	PT		0	TY	FALSE	08
2002	Los Alamos	010	010	AL-PT	7429905	2.10E-06	TY	FALSE	08
2002	Los Alamos	010	010	Beryllium	7440417	2.10E-06	TY	FALSE	08
2002	Los Alamos	010	010	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	010	010	PM10		2.10E-06	TY	FALSE	08
2002	Los Alamos	010	010	PM25		2.10E-06	TY	FALSE	08
2002	Los Alamos	011	011	AL-PT	7429905	0	TY	FALSE	08
2002	Los Alamos	011	011	Beryllium	7440417	0	TY	FALSE	08
2002	Los Alamos	011	011	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	011	011	PM10		0	TY	FALSE	08
2002	Los Alamos	011	011	PM25		0	TY	FALSE	08
2002	Los Alamos	013	013	Acetaldehyde	75070	0.001	TY	FALSE	08
2002	Los Alamos	013	013	Benzene	71432	0.001	TY	FALSE	08
2002	Los Alamos	013	013	Ethyl Benzene	100444	0.008	TY	FALSE	08
2002	Los Alamos	013	013	Formaldehyde	50000	0.003	TY	FALSE	08
2002	Los Alamos	013	013	Naphthalene	91203	0.0001	TY	FALSE	08
2002	Los Alamos	013	013	POM	246	0.0004	TY	FALSE	08
2002	Los Alamos	013	013	Quinone	106514	0.001	TY	FALSE	08
2002	Los Alamos	013	013	Toluene	108883	0.003	TY	FALSE	08

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2002	Los Alamos	013	013	Xylene	1330207	0.009	TY	FALSE	08
2002	Los Alamos	013	013	NO2		0.09	TY	FALSE	08
2002	Los Alamos	013	013	PM10		0.17	TY	FALSE	08
2002	Los Alamos	013	013	PM25		0.17	TY	FALSE	08
2002	Los Alamos	013	013	PT		0.24	TY	FALSE	04
2002	Los Alamos	013	013	SO2		0.03	TY	FALSE	08
2002	Los Alamos	013	013	CO		1.39	TY	FALSE	08
2002	Los Alamos	013	013	VOC		0.03	TY	FALSE	08
2002	Los Alamos	014	014	Ethyl Benzene	100414	0	TY	FALSE	08
2002	Los Alamos	014	014	Hexane	110543	0	TY	FALSE	08
2002	Los Alamos	014	014	Acetaldehyde	75070	0	TY	FALSE	08
2002	Los Alamos	014	014	Hydrogen Fluoride	7664393	0	TY	FALSE	08
2002	Los Alamos	014	014	Benzene	71432	0	TY	FALSE	08
2002	Los Alamos	014	014	CO		0	TY	FALSE	08
2002	Los Alamos	014	014	Formaldehyde	50000	0	TY	FALSE	08
2002	Los Alamos	014	014	HCl		0	TY	FALSE	08
2002	Los Alamos	014	014	NH3	7664 41 7	0	TY	FALSE	08
2002	Los Alamos	014	014	NO2		0	TY	FALSE	08
2002	Los Alamos	014	014	PM10		0	TY	FALSE	08
2002	Los Alamos	014	014	PM25		0	TY	FALSE	08
2002	Los Alamos	014	014	PT		0	TY	FALSE	08
2002	Los Alamos	014	014	SO2		0	TY	FALSE	08
2002	Los Alamos	014	014	Toluene	108883	0	TY	FALSE	08
2002	Los Alamos	014	014	VOC		0	TY	FALSE	08
2002	Los Alamos	015	015	NO2		0.41	TY	FALSE	08
2002	Los Alamos	015	015	PM10		0.03	TY	FALSE	08
2002	Los Alamos	015	015	PM25		0.03	TY	FALSE	08
2002	Los Alamos	015	015	PT		0.03	TY	FALSE	08
2002	Los Alamos	015	015	SO2		0.002	TY	FALSE	08
2002	Los Alamos	015	015	CO		0.34	TY	FALSE	08
2002	Los Alamos	015	015	VOC		0.02	TY	FALSE	08
2002	Los Alamos	015	015	Arsenic Compounds	93	8.17E-07	TY	FALSE	08
2002	Los Alamos	015	015	Benzene	71432	8.58E-06	TY	FALSE	08
2002	Los Alamos	015	015	Beryllium Compounds	109	4.90E-08	TY	FALSE	08
2002	Los Alamos	015	015	Cadmium Compounds	125	4.49E-06	TY	FALSE	08
2002	Los Alamos	015	015	Chromium Compounds	136	5.72E-06	TY	FALSE	08
2002	Los Alamos	015	015	Cobalt Compounds	139	3.43E-07	TY	FALSE	08
2002	Los Alamos	015	015	Dichlorobenzene	106467	4.90E-06	TY	FALSE	08
2002	Los Alamos	015	015	Formaldehyde	50000	3.06E-05	TY	FALSE	08
2002	Los Alamos	015	015	Hexane	110543	7.35E-03	TY	FALSE	08
2002	Los Alamos	015	015	Lead Compounds	195	2.04E-06	TY	FALSE	08
2002	Los Alamos	015	015	Manganese Compounds	198	1.55E-06	TY	FALSE	08
2002	Los Alamos	015	015	Mercury Compounds	199	1.06E-06	TY	FALSE	08
2002	Los Alamos	015	015	Naphthalene	91203	2.49E-06	TY	FALSE	08
2002	Los Alamos	015	015	Nickel Compounds	226	8.58E-06	TY	FALSE	08
2002	Los Alamos	015	015	POM	246	3.59E-07	TY	FALSE	08
2002	Los Alamos	015	015	Selenium Compounds	253	9.80E-08	TY	FALSE	08
2002	Los Alamos	015	015	Toluene	108883	1.39E-05	TY	FALSE	08
2002	Los Alamos	016	016	NO2		0.41	TY	FALSE	08
2002	Los Alamos	016	016	PM10		0.03	TY	FALSE	08
2002	Los Alamos	016	016	PM25		0.03	TY	FALSE	08
2002	Los Alamos	016	016	PT		0.03	TY	FALSE	08
2002	Los Alamos	016	016	SO2		0.002	TY	FALSE	08
2002	Los Alamos	016	016	CO		0.34	TY	FALSE	08
2002	Los Alamos	016	016	VOC		0.02	TY	FALSE	08
2002	Los Alamos	016	016	Arsenic Compounds	93	8.17E-07	TY	FALSE	08
2002	Los Alamos	016	016	Benzene	71432	8.58E-06	TY	FALSE	08
2002	Los Alamos	016	016	Beryllium Compounds	109	4.90E-08	TY	FALSE	08
2002	Los Alamos	016	016	Cadmium Compounds	125	4.49E-06	TY	FALSE	08
2002	Los Alamos	016	016	Chromium Compounds	136	5.72E-06	TY	FALSE	08
2002	Los Alamos	016	016	Cobalt Compounds	139	3.43E-07	TY	FALSE	08
2002	Los Alamos	016	016	Dichlorobenzene	106467	4.90E-06	TY	FALSE	08
2002	Los Alamos	016	016	Formaldehyde	50000	3.06E-05	TY	FALSE	08
2002	Los Alamos	016	016	Hexane	110543	7.35E-03	TY	FALSE	08
2002	Los Alamos	016	016	Lead Compounds	195	2.04E-06	TY	FALSE	08
2002	Los Alamos	016	016	Manganese Compounds	198	1.55E-06	TY	FALSE	08
2002	Los Alamos	016	016	Mercury Compounds	199	1.06E-06	TY	FALSE	08
2002	Los Alamos	016	016	Naphthalene	91203	2.49E-06	TY	FALSE	08
2002	Los Alamos	016	016	Nickel Compounds	226	8.58E-06	TY	FALSE	08
2002	Los Alamos	016	016	POM	246	3.59E-07	TY	FALSE	08
2002	Los Alamos	016	016	Selenium Compounds	253	9.80E-08	TY	FALSE	08
2002	Los Alamos	016	016	Toluene	108883	1.39E-05	TY	FALSE	08
2002	Los Alamos	017	017	NO2		0.55	TY	FALSE	08
2002	Los Alamos	017	017	PM10		0.04	TY	FALSE	08
2002	Los Alamos	017	017	PM25		0.04	TY	FALSE	08
2002	Los Alamos	017	017	PT		0.04	TY	FALSE	08
2002	Los Alamos	017	017	SO2		0.003	TY	FALSE	08
2002	Los Alamos	017	017	CO		0.46	TY	FALSE	08
2002	Los Alamos	017	017	VOC		0.03	TY	FALSE	08
2002	Los Alamos	017	017	Arsenic Compounds	93	1.09E-06	TY	FALSE	08
2002	Los Alamos	017	017	Benzene	71432	1.15E-05	TY	FALSE	08
2002	Los Alamos	017	017	Beryllium Compounds	109	6.56E-08	TY	FALSE	08
2002	Los Alamos	017	017	Cadmium Compounds	125	6.01E-06	TY	FALSE	08
2002	Los Alamos	017	017	Chromium Compounds	136	7.65E-06	TY	FALSE	08
2002	Los Alamos	017	017	Cobalt Compounds	139	4.59E-07	TY	FALSE	08
2002	Los Alamos	017	017	Dichlorobenzene	106467	6.56E-06	TY	FALSE	08
2002	Los Alamos	017	017	Formaldehyde	50000	4.10E-05	TY	FALSE	08
2002	Los Alamos	017	017	Hexane	110543	9.84E-03	TY	FALSE	08
2002	Los Alamos	017	017	Lead Compounds	195	2.73E-06	TY	FALSE	08
2002	Los Alamos	017	017	Manganese Compounds	198	2.08E-06	TY	FALSE	08
2002	Los Alamos	017	017	Mercury Compounds	199	1.42E-06	TY	FALSE	08
2002	Los Alamos	017	017	Naphthalene	91203	3.33E-06	TY	FALSE	08
2002	Los Alamos	017	017	Nickel Compounds	226	1.15E-05	TY	FALSE	08
2002	Los Alamos	017	017	POM	246	4.81E-07	TY	FALSE	08

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2002	Los Alamos	017	017	Selenium Compounds	253	1.31E-07	TY	FALSE	08
2002	Los Alamos	017	017	Toluene	108883	1.86E-05	TY	FALSE	08
2002	Los Alamos	018	018	NO2		0.55	TY	FALSE	08
2002	Los Alamos	018	018	PM10		0.04	TY	FALSE	08
2002	Los Alamos	018	018	PM25		0.04	TY	FALSE	08
2002	Los Alamos	018	018	PT		0.04	TY	FALSE	08
2002	Los Alamos	018	018	SO2		0.003	TY	FALSE	08
2002	Los Alamos	018	018	CO		0.46	TY	FALSE	08
2002	Los Alamos	018	018	VOC		0.03	TY	FALSE	08
2002	Los Alamos	018	018	Arsenic Compounds	93	1.09E-06	TY	FALSE	08
2002	Los Alamos	018	018	Benzene	71432	1.14E-05	TY	FALSE	08
2002	Los Alamos	018	018	Beryllium Compounds	109	6.54E-08	TY	FALSE	08
2002	Los Alamos	018	018	Cadmium Compounds	125	5.99E-06	TY	FALSE	08
2002	Los Alamos	018	018	Chromium Compounds	136	7.62E-06	TY	FALSE	08
2002	Los Alamos	018	018	Cobalt Compounds	139	4.57E-07	TY	FALSE	08
2002	Los Alamos	018	018	Dichlorobenzene	106467	6.54E-06	TY	FALSE	08
2002	Los Alamos	018	018	Formaldehyde	50000	4.08E-05	TY	FALSE	08
2002	Los Alamos	018	018	Hexane	110543	9.80E-03	TY	FALSE	08
2002	Los Alamos	018	018	Lead Compounds	195	2.72E-06	TY	FALSE	08
2002	Los Alamos	018	018	Manganese Compounds	198	2.07E-06	TY	FALSE	08
2002	Los Alamos	018	018	Mercury Compounds	199	1.42E-06	TY	FALSE	08
2002	Los Alamos	018	018	Naphthalene	91203	3.32E-06	TY	FALSE	08
2002	Los Alamos	018	018	Nickel Compounds	226	1.14E-05	TY	FALSE	08
2002	Los Alamos	018	018	POM	246	4.79E-07	TY	FALSE	08
2002	Los Alamos	018	018	Selenium Compounds	253	1.31E-07	TY	FALSE	08
2002	Los Alamos	018	018	Toluene	108883	1.85E-05	TY	FALSE	08
2002	Los Alamos	019	019	NO2		0.55	TY	FALSE	08
2002	Los Alamos	019	019	PM10		0.04	TY	FALSE	08
2002	Los Alamos	019	019	PM25		0.04	TY	FALSE	08
2002	Los Alamos	019	019	PT		0.04	TY	FALSE	08
2002	Los Alamos	019	019	SO2		0.003	TY	FALSE	08
2002	Los Alamos	019	019	CO		0.46	TY	FALSE	08
2002	Los Alamos	019	019	VOC		0.03	TY	FALSE	08
2002	Los Alamos	019	019	Arsenic Compounds	93	1.09E-06	TY	FALSE	08
2002	Los Alamos	019	019	Benzene	71432	1.14E-05	TY	FALSE	08
2002	Los Alamos	019	019	Beryllium Compounds	109	6.54E-08	TY	FALSE	08
2002	Los Alamos	019	019	Cadmium Compounds	125	5.99E-06	TY	FALSE	08
2002	Los Alamos	019	019	Chromium Compounds	136	7.62E-06	TY	FALSE	08
2002	Los Alamos	019	019	Cobalt Compounds	139	4.57E-07	TY	FALSE	08
2002	Los Alamos	019	019	Dichlorobenzene	106467	6.54E-06	TY	FALSE	08
2002	Los Alamos	019	019	Formaldehyde	50000	4.08E-05	TY	FALSE	08
2002	Los Alamos	019	019	Hexane	110543	9.80E-03	TY	FALSE	08
2002	Los Alamos	019	019	Lead Compounds	195	2.72E-06	TY	FALSE	08
2002	Los Alamos	019	019	Manganese Compounds	198	2.07E-06	TY	FALSE	08
2002	Los Alamos	019	019	Mercury Compounds	199	1.42E-06	TY	FALSE	08
2002	Los Alamos	019	019	Naphthalene	91203	3.32E-06	TY	FALSE	08
2002	Los Alamos	019	019	Nickel Compounds	226	1.14E-05	TY	FALSE	08
2002	Los Alamos	019	019	POM	246	4.79E-07	TY	FALSE	08
2002	Los Alamos	019	019	Selenium Compounds	253	1.31E-07	TY	FALSE	08
2002	Los Alamos	019	019	Toluene	108883	1.85E-05	TY	FALSE	08
2002	Los Alamos	020	020	NO2		0.41	TY	FALSE	08
2002	Los Alamos	020	020	PM10		0.03	TY	FALSE	08
2002	Los Alamos	020	020	PM25		0.03	TY	FALSE	08
2002	Los Alamos	020	020	PT		0.03	TY	FALSE	08
2002	Los Alamos	020	020	SO2		0.002	TY	FALSE	08
2002	Los Alamos	020	020	CO		0.34	TY	FALSE	08
2002	Los Alamos	020	020	VOC		0.02	TY	FALSE	08
2002	Los Alamos	020	020	Arsenic Compounds	93	8.17E-07	TY	FALSE	08
2002	Los Alamos	020	020	Benzene	71432	8.58E-06	TY	FALSE	08
2002	Los Alamos	020	020	Beryllium Compounds	109	4.90E-08	TY	FALSE	08
2002	Los Alamos	020	020	Cadmium Compounds	125	4.49E-06	TY	FALSE	08
2002	Los Alamos	020	020	Chromium Compounds	136	5.72E-06	TY	FALSE	08
2002	Los Alamos	020	020	Cobalt Compounds	139	3.43E-07	TY	FALSE	08
2002	Los Alamos	020	020	Dichlorobenzene	106467	4.90E-06	TY	FALSE	08
2002	Los Alamos	020	020	Formaldehyde	50000	3.06E-05	TY	FALSE	08
2002	Los Alamos	020	020	Hexane	110543	7.35E-03	TY	FALSE	08
2002	Los Alamos	020	020	Lead Compounds	195	2.04E-06	TY	FALSE	08
2002	Los Alamos	020	020	Manganese Compounds	198	1.55E-06	TY	FALSE	08
2002	Los Alamos	020	020	Mercury Compounds	199	1.06E-06	TY	FALSE	08
2002	Los Alamos	020	020	Naphthalene	91203	2.49E-06	TY	FALSE	08
2002	Los Alamos	020	020	Nickel Compounds	226	8.58E-06	TY	FALSE	08
2002	Los Alamos	020	020	POM	246	3.59E-07	TY	FALSE	08
2002	Los Alamos	020	020	Selenium Compounds	253	9.80E-08	TY	FALSE	08
2002	Los Alamos	020	020	Toluene	108883	1.39E-05	TY	FALSE	08
2002	Los Alamos	021	021	NO2		0.41	TY	FALSE	08
2002	Los Alamos	021	021	PM10		0.03	TY	FALSE	08
2002	Los Alamos	021	021	PM25		0.03	TY	FALSE	08
2002	Los Alamos	021	021	PT		0.03	TY	FALSE	08
2002	Los Alamos	021	021	SO2		0.002	TY	FALSE	08
2002	Los Alamos	021	021	CO		0.34	TY	FALSE	08
2002	Los Alamos	021	021	VOC		0.02	TY	FALSE	08
2002	Los Alamos	021	021	Arsenic Compounds	93	8.17E-07	TY	FALSE	08
2002	Los Alamos	021	021	Benzene	71432	8.58E-06	TY	FALSE	08
2002	Los Alamos	021	021	Beryllium Compounds	109	4.90E-08	TY	FALSE	08
2002	Los Alamos	021	021	Cadmium Compounds	125	4.49E-06	TY	FALSE	08
2002	Los Alamos	021	021	Chromium Compounds	136	5.72E-06	TY	FALSE	08
2002	Los Alamos	021	021	Cobalt Compounds	139	3.43E-07	TY	FALSE	08
2002	Los Alamos	021	021	Dichlorobenzene	106467	4.90E-06	TY	FALSE	08
2002	Los Alamos	021	021	Formaldehyde	50000	3.06E-05	TY	FALSE	08
2002	Los Alamos	021	021	Hexane	110543	7.35E-03	TY	FALSE	08
2002	Los Alamos	021	021	Lead Compounds	195	2.04E-06	TY	FALSE	08
2002	Los Alamos	021	021	Manganese Compounds	198	1.55E-06	TY	FALSE	08
2002	Los Alamos	021	021	Mercury Compounds	199	1.06E-06	TY	FALSE	08
2002	Los Alamos	021	021	Naphthalene	91203	2.49E-06	TY	FALSE	08

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2002	Los Alamos	021	021	Nickel Compounds	226	8.58E-06	TY	FALSE	08
2002	Los Alamos	021	021	POM	246	3.59E-07	TY	FALSE	08
2002	Los Alamos	021	021	Selenium Compounds	253	9.80E-08	TY	FALSE	08
2002	Los Alamos	021	021	Toluene	108883	1.39E-05	TY	FALSE	08
2002	Los Alamos	022	022	CO		0	TY	FALSE	08
2002	Los Alamos	022	022	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	022	022	NO2		0	TY	FALSE	08
2002	Los Alamos	022	022	PM10		0	TY	FALSE	08
2002	Los Alamos	022	022	PM25		0	TY	FALSE	08
2002	Los Alamos	022	022	PT		0	TY	FALSE	08
2002	Los Alamos	022	022	SO2		0	TY	FALSE	08
2002	Los Alamos	022	022	VOC		0	TY	FALSE	08
2002	Los Alamos	023	023	CO		0	TY	FALSE	08
2002	Los Alamos	023	023	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	023	023	NO2		0	TY	FALSE	08
2002	Los Alamos	023	023	PM10		0	TY	FALSE	08
2002	Los Alamos	023	023	PM25		0	TY	FALSE	08
2002	Los Alamos	023	023	PT		0	TY	FALSE	08
2002	Los Alamos	023	023	SO2		0	TY	FALSE	08
2002	Los Alamos	023	023	VOC		0	TY	FALSE	08
2002	Los Alamos	024	024	NO2		0.26	TY	FALSE	11
2002	Los Alamos	024	024	PM10		0.05	TY	FALSE	08
2002	Los Alamos	024	024	PM25		0.05	TY	FALSE	08
2002	Los Alamos	024	024	PT		0.05	TY	FALSE	08
2002	Los Alamos	024	024	SO2		0.004	TY	FALSE	08
2002	Los Alamos	024	024	CO		0.26	TY	FALSE	11
2002	Los Alamos	024	024	VOC		0.04	TY	FALSE	08
2002	Los Alamos	024	024	Arsenic Compounds	93	1.39E-06	TY	FALSE	08
2002	Los Alamos	024	024	Benzene	71432	1.46E-05	TY	FALSE	08
2002	Los Alamos	024	024	Beryllium Compounds	109	8.37E-08	TY	FALSE	08
2002	Los Alamos	024	024	Cadmium Compounds	125	7.67E-06	TY	FALSE	08
2002	Los Alamos	024	024	Chromium Compounds	136	9.76E-06	TY	FALSE	08
2002	Los Alamos	024	024	Cobalt Compounds	139	5.86E-07	TY	FALSE	08
2002	Los Alamos	024	024	Dichlorobenzene	106467	8.37E-06	TY	FALSE	08
2002	Los Alamos	024	024	Formaldehyde	50000	5.23E-05	TY	FALSE	08
2002	Los Alamos	024	024	Hexane	110543	1.26E-02	TY	FALSE	08
2002	Los Alamos	024	024	Lead Compounds	195	3.49E-06	TY	FALSE	08
2002	Los Alamos	024	024	Manganese Compounds	198	2.65E-06	TY	FALSE	08
2002	Los Alamos	024	024	Mercury Compounds	199	1.81E-06	TY	FALSE	08
2002	Los Alamos	024	024	Naphthalene	91203	4.25E-06	TY	FALSE	08
2002	Los Alamos	024	024	Nickel Compounds	226	1.46E-05	TY	FALSE	08
2002	Los Alamos	024	024	POM	246	6.14E-07	TY	FALSE	08
2002	Los Alamos	024	024	Selenium Compounds	253	1.67E-07	TY	FALSE	08
2002	Los Alamos	024	024	Toluene	108883	2.37E-05	TY	FALSE	08
2002	Los Alamos	025	025	NO2		0	TY	FALSE	11
2002	Los Alamos	025	025	PM10		0	TY	FALSE	08
2002	Los Alamos	025	025	PM25		0	TY	FALSE	08
2002	Los Alamos	025	025	PT		0	TY	FALSE	08
2002	Los Alamos	025	025	SO2		0	TY	FALSE	08
2002	Los Alamos	025	025	CO		0	TY	FALSE	11
2002	Los Alamos	025	025	VOC		0	TY	FALSE	08
2002	Los Alamos	025	025	Arsenic Compounds	93	0	TY	FALSE	08
2002	Los Alamos	025	025	Benzene	71432	0	TY	FALSE	08
2002	Los Alamos	025	025	Beryllium Compounds	109	0	TY	FALSE	08
2002	Los Alamos	025	025	Cadmium Compounds	125	0	TY	FALSE	08
2002	Los Alamos	025	025	Chromium Compounds	136	0	TY	FALSE	08
2002	Los Alamos	025	025	Cobalt Compounds	139	0	TY	FALSE	08
2002	Los Alamos	025	025	Dichlorobenzene	106467	0	TY	FALSE	08
2002	Los Alamos	025	025	Formaldehyde	50000	0	TY	FALSE	08
2002	Los Alamos	025	025	Hexane	110543	0	TY	FALSE	08
2002	Los Alamos	025	025	Lead Compounds	195	0	TY	FALSE	08
2002	Los Alamos	025	025	Manganese Compounds	198	0	TY	FALSE	08
2002	Los Alamos	025	025	Mercury Compounds	199	0	TY	FALSE	08
2002	Los Alamos	025	025	Naphthalene	91203	0	TY	FALSE	08
2002	Los Alamos	025	025	Nickel Compounds	226	0	TY	FALSE	08
2002	Los Alamos	025	025	POM	246	0	TY	FALSE	08
2002	Los Alamos	025	025	Selenium Compounds	253	0	TY	FALSE	08
2002	Los Alamos	025	025	Toluene	108883	0	TY	FALSE	08
2002	Los Alamos	026	026	CO		0	TY	FALSE	08
2002	Los Alamos	026	026	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	026	026	NO2		0	TY	FALSE	08
2002	Los Alamos	026	026	PM10		0	TY	FALSE	08
2002	Los Alamos	026	026	PM25		0	TY	FALSE	08
2002	Los Alamos	026	026	PT		0	TY	FALSE	08
2002	Los Alamos	026	026	SO2		0	TY	FALSE	08
2002	Los Alamos	026	026	VOC		0	TY	FALSE	08
2002	Los Alamos	027	027	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	027	027	PM10		0.001	TY	FALSE	08
2002	Los Alamos	027	027	PM25		0.001	TY	FALSE	08
2002	Los Alamos	027	027	PT		0.001	TY	FALSE	08
2002	Los Alamos	028	028	3CLET	79016	0.01	TY	FALSE	03
2002	Los Alamos	028	028	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	028	028	PM10		0	TY	FALSE	08
2002	Los Alamos	028	028	PM25		0	TY	FALSE	08
2002	Los Alamos	029	029	3CLET	79016	0	TY	FALSE	03
2002	Los Alamos	029	029	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	029	029	PM10		0	TY	FALSE	08
2002	Los Alamos	029	029	PM25		0	TY	FALSE	08
2002	Los Alamos	030	030	3CLET	79016	0	TY	FALSE	03
2002	Los Alamos	030	030	NH3	7664-41-7	0	TY	FALSE	08
2002	Los Alamos	030	030	PM10		0	TY	FALSE	08
2002	Los Alamos	030	030	PM25		0	TY	FALSE	08
2002	Los Alamos	031	031	Hydrochloric acid	7647010	1.538	TY	FALSE	03
2002	Los Alamos	031	031	Methylene chloride	75092	1.438	TY	FALSE	03

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2002	Los Alamos	031	031	Acetonitrile	75058	0.954	TY	FALSE	03
2002	Los Alamos	031	031	Methanol	67561	0.854	TY	FALSE	03
2002	Los Alamos	031	031	Manganese Compounds	198	0.759	TY	FALSE	03
2002	Los Alamos	031	031	Hexane	110543	0.343	TY	FALSE	03
2002	Los Alamos	031	031	Ethylene glycol	107211	0.308	TY	FALSE	03
2002	Los Alamos	031	031	Toluene	108883	0.227	TY	FALSE	03
2002	Los Alamos	031	031	Hydrogen fluoride	7664393	0.212	TY	FALSE	03
2002	Los Alamos	031	031	Chloroform	67663	0.202	TY	FALSE	03
2002	Los Alamos	031	031	2,2,4-Trimethylpentane	540841	0.188	TY	FALSE	03
2002	Los Alamos	031	031	Methyl ethyl ketone (2-	78933	0.116	TY	FALSE	03
2002	Los Alamos	031	031	1,4-Dioxane (1,4-	123911	0.092	TY	FALSE	03
2002	Los Alamos	031	031	Ethylene dichloride (1,2-	107062	0.076	TY	FALSE	03
2002	Los Alamos	031	031	Dimethyl formamide	68122	0.070	TY	FALSE	03
2002	Los Alamos	031	031	Xylenes (isomers and	1330207	0.055	TY	FALSE	03
2002	Los Alamos	031	031	Glycol ethers Compounds	171	0.050	TY	FALSE	03
2002	Los Alamos	031	031	Nickel Compounds	226	0.035	TY	FALSE	03
2002	Los Alamos	031	031	Chlorine	7782505	0.022	TY	FALSE	03
2002	Los Alamos	031	031	Chromium Compounds	136	0.019	TY	FALSE	03
2002	Los Alamos	031	031	Formaldehyde	50000	0.018	TY	FALSE	03
2002	Los Alamos	031	031	Chlorobenzene	108907	0.016	TY	FALSE	03
2002	Los Alamos	031	031	Tetrachloroethylene	127184	0.014	TY	FALSE	03
2002	Los Alamos	031	031	Methyl chloride	74873	0.014	TY	FALSE	03
2002	Los Alamos	031	031	Trichloroethylene	79016	0.014	TY	FALSE	03
2002	Los Alamos	031	031	Hydroquinone	123319	0.012	TY	FALSE	03
2002	Los Alamos	031	031	Cyanide Compounds	144	9.40E-03	TY	FALSE	03
2002	Los Alamos	031	031	Ethyl benzene	100414	7.95E-03	TY	FALSE	03
2002	Los Alamos	031	031	Triethylamine	121448	7.82E-03	TY	FALSE	03
2002	Los Alamos	031	031	Lead Compounds	195	7.11E-03	TY	FALSE	03
2002	Los Alamos	031	031	Benzene (including	71432	6.08E-03	TY	FALSE	03
2002	Los Alamos	031	031	Methylene diphenyl	101688	5.45E-03	TY	FALSE	03
2002	Los Alamos	031	031	Carbon tetrachloride	56235	5.27E-03	TY	FALSE	03
2002	Los Alamos	031	031	Acrylamide	79061	4.97E-03	TY	FALSE	03
2002	Los Alamos	031	031	o-Xylenes	95476	3.89E-03	TY	FALSE	03
2002	Los Alamos	031	031	Cobalt Compounds	139	2.37E-03	TY	FALSE	03
2002	Los Alamos	031	031	Methyl chloroform (1,1,1-	71556	1.48E-03	TY	FALSE	03
2002	Los Alamos	031	031	Arsenic Compounds	93	1.41E-03	TY	FALSE	03
2002	Los Alamos	031	031	Dibutylphthalate	84742	1.15E-03	TY	FALSE	03
2002	Los Alamos	031	031	Antimony Compounds	92	1.06E-03	TY	FALSE	03
2002	Los Alamos	031	031	p-Xylenes	106423	1.04E-03	TY	FALSE	03
2002	Los Alamos	031	031	Phenol	108952	1.04E-03	TY	FALSE	03
2002	Los Alamos	031	031	Methyl methacrylate	80626	1.04E-03	TY	FALSE	03
2002	Los Alamos	031	031	Dimethyl sulfate	77781	7.34E-04	TY	FALSE	03
2002	Los Alamos	031	031	Nitrobenzene	98953	6.61E-04	TY	FALSE	03
2002	Los Alamos	031	031	m-Cresol	108394	6.61E-04	TY	FALSE	03
2002	Los Alamos	031	031	Carbon disulfide	75150	5.56E-04	TY	FALSE	03
2002	Los Alamos	031	031	1,1,2-Trichloroethane	79005	5.51E-04	TY	FALSE	03
2002	Los Alamos	031	031	Mercury Compounds	199	5.05E-04	TY	FALSE	03
2002	Los Alamos	031	031	Propylene oxide	75569	4.96E-04	TY	FALSE	03
2002	Los Alamos	031	031	Ethylene dibromide	106934	4.86E-04	TY	FALSE	03
2002	Los Alamos	031	031	Acrylonitrile	107131	4.58E-04	TY	FALSE	03
2002	Los Alamos	031	031	Naphthalene	91203	2.76E-04	TY	FALSE	03
2002	Los Alamos	031	031	Selenium Compounds	253	2.38E-04	TY	FALSE	03
2002	Los Alamos	031	031	p-Phenylenediamine	106503	2.22E-04	TY	FALSE	03
2002	Los Alamos	031	031	Caprolactam(See	105602	2.20E-04	TY	FALSE	03
2002	Los Alamos	031	031	Acetaldehyde	75070	2.16E-04	TY	FALSE	03
2002	Los Alamos	031	031	m-Xylenes	108383	2.02E-04	TY	FALSE	03
2002	Los Alamos	031	031	Beryllium Compounds	109	1.87E-04	TY	FALSE	03
2002	Los Alamos	031	031	Polycyclic Organic Matter	246	1.83E-04	TY	FALSE	03
2002	Los Alamos	031	031	1,2,4-Trichlorobenzene	120821	1.65E-04	TY	FALSE	03
2002	Los Alamos	031	031	Methyl iodide	74884	1.21E-04	TY	FALSE	03
2002	Los Alamos	031	031	Bis(chloromethyl)ether	542881	1.11E-04	TY	FALSE	03
2002	Los Alamos	031	031	Diethanolamine	111422	1.10E-04	TY	FALSE	03
2002	Los Alamos	031	031	Propionaldehyde	123386	1.10E-04	TY	FALSE	03
2002	Los Alamos	031	031	Hexamethylphosphorimid	680319	1.10E-04	TY	FALSE	03
2002	Los Alamos	031	031	Acetophenone	98862	1.10E-04	TY	FALSE	03
2002	Los Alamos	031	031	Quinone	106514	1.10E-04	TY	FALSE	03
2002	Los Alamos	031	031	Phosphine	7803512	9.47E-05	TY	FALSE	03
2002	Los Alamos	031	031	4-Nitrophenol	100027	5.51E-05	TY	FALSE	03
2002	Los Alamos	031	031	Hydrazine	302012	5.51E-05	TY	FALSE	03
2002	Los Alamos	031	031	1,3-Propane sultone	1120714	5.51E-05	TY	FALSE	03
2002	Los Alamos	031	031	Chloromethyl methyl ether	107302	2.76E-05	TY	FALSE	03
2002	Los Alamos	031	031	Acrolein	107028	2.32E-05	TY	FALSE	03
2002	Los Alamos	031	031	Styrene	100425	1.50E-05	TY	FALSE	03
2002	Los Alamos	031	031	Cadmium Compounds	125	1.21E-05	TY	FALSE	03
2002	Los Alamos	031	031	N,N-Diethyl aniline (N,N-	121697	5.27E-06	TY	FALSE	03
2002	Los Alamos	031	031	Ethylidene dichloride (1,1-	75343	1.10E-06	TY	FALSE	03
2002	Los Alamos	031	031	Vinylidene chloride (1,1-	75354	5.51E-07	TY	FALSE	03
2002	Los Alamos	031	031	THAP		7.74	TY	FALSE	03
2002	Los Alamos	031	031	VOC		14.91	TY	FALSE	03
2002	Los Alamos	031	031	NH3	7664-41-7	0.156	TY	FALSE	03
2002	Los Alamos	032	032	NO2		18.47	TY	FALSE	04
2002	Los Alamos	032	032	PM10		0.9	TY	FALSE	08
2002	Los Alamos	032	032	PM25		0.9	TY	FALSE	08
2002	Los Alamos	032	032	PT		0.9	TY	FALSE	08
2002	Los Alamos	032	032	SO2		0.08	TY	FALSE	08
2002	Los Alamos	032	032	CO		4.73	TY	FALSE	08
2002	Los Alamos	032	032	VOC		0.65	TY	FALSE	08
2002	Los Alamos	032	032	Arsenic Compounds	93	2.41E-05	TY	FALSE	08
2002	Los Alamos	032	032	Benzene	71432	2.48E-04	TY	FALSE	08
2002	Los Alamos	032	032	Beryllium Compounds	109	1.77E-06	TY	FALSE	08
2002	Los Alamos	032	032	Cadmium Compounds	125	1.30E-04	TY	FALSE	08
2002	Los Alamos	032	032	Chromium Compounds	136	1.66E-04	TY	FALSE	08
2002	Los Alamos	032	032	Cobalt Compounds	139	9.92E-06	TY	FALSE	08
2002	Los Alamos	032	032	Dichlorobenzene	106467	1.42E-04	TY	FALSE	08



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2002	Los Alamos	032	032	Formaldehyde	50000	9.27E-04	TY	FALSE	08
2002	Los Alamos	032	032	Hexane	110543	2.10E-01	TY	FALSE	08
2002	Los Alamos	032	032	Lead Compounds	195	6.01E-05	TY	FALSE	08
2002	Los Alamos	032	032	Manganese Compounds	198	4.56E-05	TY	FALSE	08
2002	Los Alamos	032	032	Mercury Compounds	199	3.11E-05	TY	FALSE	08
2002	Los Alamos	032	032	Naphthalene	91203	7.21E-05	TY	FALSE	08
2002	Los Alamos	032	032	Nickel Compounds	226	2.48E-04	TY	FALSE	08
2002	Los Alamos	032	032	POM	246	1.32E-05	TY	FALSE	08
2002	Los Alamos	032	032	Selenium Compounds	253	4.59E-06	TY	FALSE	08
2002	Los Alamos	032	032	Toluene	108883	4.02E-04	TY	FALSE	08
2002	Los Alamos	033	033	NO2		11.81	TY	FALSE	04
2002	Los Alamos	033	033	PM10		0.73	TY	FALSE	08
2002	Los Alamos	033	033	PM25		0.73	TY	FALSE	08
2002	Los Alamos	033	033	PT		0.73	TY	FALSE	08
2002	Los Alamos	033	033	SO2		0.08	TY	FALSE	08
2002	Los Alamos	033	033	CO		3.84	TY	FALSE	08
2002	Los Alamos	033	033	VOC		0.53	TY	FALSE	08
2002	Los Alamos	033	033	Arsenic Compounds	93	2.09E-05	TY	FALSE	08
2002	Los Alamos	033	033	Benzene	71432	2.01E-04	TY	FALSE	08
2002	Los Alamos	033	033	Beryllium Compounds	109	2.51E-06	TY	FALSE	08
2002	Los Alamos	033	033	Cadmium Compounds	125	1.06E-04	TY	FALSE	08
2002	Los Alamos	033	033	Chromium Compounds	136	1.35E-04	TY	FALSE	08
2002	Los Alamos	033	033	Cobalt Compounds	139	8.03E-06	TY	FALSE	08
2002	Los Alamos	033	033	Dichlorobenzene	106467	1.15E-04	TY	FALSE	08
2002	Los Alamos	033	033	Formaldehyde	50000	8.76E-04	TY	FALSE	08
2002	Los Alamos	033	033	Hexane	110543	1.70E-01	TY	FALSE	08
2002	Los Alamos	033	033	Lead Compounds	195	5.19E-05	TY	FALSE	08
2002	Los Alamos	033	033	Manganese Compounds	198	3.90E-05	TY	FALSE	08
2002	Los Alamos	033	033	Mercury Compounds	199	2.62E-05	TY	FALSE	08
2002	Los Alamos	033	033	Naphthalene	91203	5.83E-05	TY	FALSE	08
2002	Los Alamos	033	033	Nickel Compounds	226	2.02E-04	TY	FALSE	08
2002	Los Alamos	033	033	POM	246	1.94E-05	TY	FALSE	08
2002	Los Alamos	033	033	Selenium Compounds	253	9.14E-06	TY	FALSE	08
2002	Los Alamos	033	033	Toluene	108883	3.25E-04	TY	FALSE	08
2002	Los Alamos	034	034	NO2		10.01	TY	FALSE	04
2002	Los Alamos	034	034	PM10		0.71	TY	FALSE	08
2002	Los Alamos	034	034	PM25		0.71	TY	FALSE	08
2002	Los Alamos	034	034	PT		0.72	TY	FALSE	08
2002	Los Alamos	034	034	SO2		0.11	TY	FALSE	08
2002	Los Alamos	034	034	CO		3.74	TY	FALSE	08
2002	Los Alamos	034	034	VOC		0.51	TY	FALSE	08
2002	Los Alamos	034	034	Arsenic Compounds	93	2.27E-05	TY	FALSE	08
2002	Los Alamos	034	034	Benzene	71432	1.94E-04	TY	FALSE	08
2002	Los Alamos	034	034	Beryllium Compounds	109	4.25E-06	TY	FALSE	08
2002	Los Alamos	034	034	Cadmium Compounds	125	1.05E-04	TY	FALSE	08
2002	Los Alamos	034	034	Chromium Compounds	136	1.33E-04	TY	FALSE	08
2002	Los Alamos	034	034	Cobalt Compounds	139	7.77E-06	TY	FALSE	08
2002	Los Alamos	034	034	Dichlorobenzene	106467	1.11E-04	TY	FALSE	08
2002	Los Alamos	034	034	Formaldehyde	50000	1.06E-03	TY	FALSE	08
2002	Los Alamos	034	034	Hexane	110543	1.70E-01	TY	FALSE	08
2002	Los Alamos	034	034	Lead Compounds	195	5.57E-05	TY	FALSE	08
2002	Los Alamos	034	034	Manganese Compounds	198	4.14E-05	TY	FALSE	08
2002	Los Alamos	034	034	Mercury Compounds	199	2.72E-05	TY	FALSE	08
2002	Los Alamos	034	034	Naphthalene	91203	5.65E-05	TY	FALSE	08
2002	Los Alamos	034	034	Nickel Compounds	226	1.98E-04	TY	FALSE	08
2002	Los Alamos	034	034	POM	246	3.34E-05	TY	FALSE	08
2002	Los Alamos	034	034	Selenium Compounds	253	1.80E-05	TY	FALSE	08
2002	Los Alamos	034	034	Toluene	108883	3.15E-04	TY	FALSE	08
2002	Los Alamos	035	035	VOC		0.007	TY	FALSE	08
2002	Los Alamos	036	036	VOC		0.033	TY	FALSE	08
2002	Los Alamos	037	037	NO2		1.32	TY	FALSE	04
2002	Los Alamos	037	037	PM10		0.135	TY	FALSE	07
2002	Los Alamos	037	037	PM25		0.135	TY	FALSE	07
2002	Los Alamos	037	037	PT		0.135	TY	FALSE	07
2002	Los Alamos	037	037	SO2		0.006	TY	FALSE	08
2002	Los Alamos	037	037	CO		0.364	TY	FALSE	07
2002	Los Alamos	037	037	VOC		0.057	TY	FALSE	07
2002	Los Alamos	037	037	Arsenic Compounds	93	1.91E-06	TY	FALSE	08
2002	Los Alamos	037	037	Benzene	71432	2.00E-05	TY	FALSE	08
2002	Los Alamos	037	037	Beryllium Compounds	109	1.14E-07	TY	FALSE	08
2002	Los Alamos	037	037	Cadmium Compounds	125	1.05E-05	TY	FALSE	08
2002	Los Alamos	037	037	Chromium Compounds	136	1.33E-05	TY	FALSE	08
2002	Los Alamos	037	037	Cobalt Compounds	139	8.00E-07	TY	FALSE	08
2002	Los Alamos	037	037	Dichlorobenzene	106467	1.14E-05	TY	FALSE	08
2002	Los Alamos	037	037	Formaldehyde	50000	7.15E-05	TY	FALSE	08
2002	Los Alamos	037	037	Hexane	110543	1.72E-02	TY	FALSE	08
2002	Los Alamos	037	037	Lead Compounds	195	4.76E-06	TY	FALSE	08
2002	Los Alamos	037	037	Manganese Compounds	198	3.62E-06	TY	FALSE	08
2002	Los Alamos	037	037	Mercury Compounds	199	2.48E-06	TY	FALSE	08
2002	Los Alamos	037	037	Naphthalene	91203	5.81E-06	TY	FALSE	08
2002	Los Alamos	037	037	Nickel Compounds	226	2.00E-05	TY	FALSE	08
2002	Los Alamos	037	037	POM	246	8.39E-07	TY	FALSE	08
2002	Los Alamos	037	037	Selenium Compounds	253	2.29E-07	TY	FALSE	08
2002	Los Alamos	037	037	Toluene	108883	3.24E-05	TY	FALSE	08
2002	Los Alamos	038	038	NO2		1.32	TY	FALSE	04
2002	Los Alamos	038	038	PM10		0.135	TY	FALSE	07
2002	Los Alamos	038	038	PM25		0.135	TY	FALSE	07
2002	Los Alamos	038	038	PT		0.135	TY	FALSE	07
2002	Los Alamos	038	038	CO		0.364	TY	FALSE	07
2002	Los Alamos	038	038	SO2		0.006	TY	FALSE	08
2002	Los Alamos	038	038	VOC		0.057	TY	FALSE	07
2002	Los Alamos	038	038	Arsenic Compounds	93	1.91E-06	TY	FALSE	08
2002	Los Alamos	038	038	Benzene	71432	2.00E-05	TY	FALSE	08
2002	Los Alamos	038	038	Beryllium Compounds	109	1.14E-07	TY	FALSE	08

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2002	Los Alamos	038	038	Cadmium Compounds	125	1.05E-05	TY	FALSE	08
2002	Los Alamos	038	038	Chromium Compounds	136	1.33E-05	TY	FALSE	08
2002	Los Alamos	038	038	Cobalt Compounds	139	8.00E-07	TY	FALSE	08
2002	Los Alamos	038	038	Dichlorobenzene	106467	1.14E-05	TY	FALSE	08
2002	Los Alamos	038	038	Formaldehyde	50000	7.15E-05	TY	FALSE	08
2002	Los Alamos	038	038	Hexane	110543	1.72E-02	TY	FALSE	08
2002	Los Alamos	038	038	Lead Compounds	195	4.76E-06	TY	FALSE	08
2002	Los Alamos	038	038	Manganese Compounds	198	3.62E-06	TY	FALSE	08
2002	Los Alamos	038	038	Mercury Compounds	199	2.48E-06	TY	FALSE	08
2002	Los Alamos	038	038	Naphthalene	91203	5.81E-06	TY	FALSE	08
2002	Los Alamos	038	038	Nickel Compounds	226	2.00E-05	TY	FALSE	08
2002	Los Alamos	038	038	POM	246	8.39E-07	TY	FALSE	08
2002	Los Alamos	038	038	Selenium Compounds	253	2.29E-07	TY	FALSE	08
2002	Los Alamos	038	038	Toluene	108883	3.24E-05	TY	FALSE	08
2002	Los Alamos	039	039	CO		6.2	TY	FALSE	07
2002	Los Alamos	039	039	NO2		10.6	TY	FALSE	07
2002	Los Alamos	039	039	PM10		6.3	TY	FALSE	07
2002	Los Alamos	039	039	PM25		5.9	TY	FALSE	07
2002	Los Alamos	039	039	PT		8.3	TY	FALSE	07
2002	Los Alamos	039	039	SO2		0.6	TY	FALSE	07
2002	Los Alamos	039	039	VOC		15.7	TY	FALSE	07
2002	Los Alamos	039	039	Antimony Compounds	92	2.91E-04	TY	FALSE	08
2002	Los Alamos	039	039	Arsenic Compounds	93	8.10E-04	TY	FALSE	08
2002	Los Alamos	039	039	Beryllium Compounds	109	4.05E-05	TY	FALSE	08
2002	Los Alamos	039	039	Cadmium Compounds	125	1.51E-04	TY	FALSE	08
2002	Los Alamos	039	039	Chromium, total	136	7.73E-04	TY	FALSE	08
2002	Los Alamos	039	039	Chromium, hexavalent	18540299	1.29E-04	TY	FALSE	08
2002	Los Alamos	039	039	Cobalt Compounds	139	2.39E-04	TY	FALSE	08
2002	Los Alamos	039	039	Lead Compounds	195	1.77E-03	TY	FALSE	08
2002	Los Alamos	039	039	Manganese Compounds	198	5.89E-02	TY	FALSE	08
2002	Los Alamos	039	039	Mercury Compounds	199	1.29E-04	TY	FALSE	08
2002	Los Alamos	039	039	Nickel Compounds	226	1.21E-03	TY	FALSE	08
2002	Los Alamos	039	039	Phosphorus	7723140	9.94E-04	TY	FALSE	08
2002	Los Alamos	039	039	Selenium Compounds	253	1.03E-04	TY	FALSE	08
2002	Los Alamos	039	039	Acetaldehyde	75070	3.18E-02	TY	FALSE	08
2002	Los Alamos	039	039	Acetophenone	98862	1.18E-07	TY	FALSE	08
2002	Los Alamos	039	039	Acrolein	107028	1.47E-01	TY	FALSE	08
2002	Los Alamos	039	039	Benzene	71432	1.56E-01	TY	FALSE	08
2002	Los Alamos	039	039	bis(2-Ethylhexyl)phthalate	117817	1.73E-06	TY	FALSE	08
2002	Los Alamos	039	039	Carbon tetrachloride	56235	1.66E-03	TY	FALSE	08
2002	Los Alamos	039	039	Chlorine	7782505	2.91E-02	TY	FALSE	08
2002	Los Alamos	039	039	Chlorobenzene	108907	1.21E-03	TY	FALSE	08
2002	Los Alamos	039	039	Chloroform	67663	1.03E-03	TY	FALSE	08
2002	Los Alamos	039	039	2,4-Dinitrophenol	51285	6.62E-06	TY	FALSE	08
2002	Los Alamos	039	039	Ethylbenzene	100414	1.14E-03	TY	FALSE	08
2002	Los Alamos	039	039	Formaldehyde	50000	1.64E-01	TY	FALSE	08
2002	Los Alamos	039	039	Hydrogen chloride	7647010	6.99E-01	TY	FALSE	08
2002	Los Alamos	039	039	4-Nitrophenol	100027	4.05E-06	TY	FALSE	08
2002	Los Alamos	039	039	Pentachlorophenol	87865	1.88E-06	TY	FALSE	08
2002	Los Alamos	039	039	Phenol	108952	1.88E-03	TY	FALSE	08
2002	Los Alamos	039	039	Propionaldehyde	123386	2.24E-03	TY	FALSE	08
2002	Los Alamos	039	039	Styrene	100425	6.99E-02	TY	FALSE	08
2002	Los Alamos	039	039	2,3,7,8-Tetrachlorodibenzo-	1746016	3.17E-10	TY	FALSE	08
2002	Los Alamos	039	039	Toluene	108883	3.45E-02	TY	FALSE	08
2002	Los Alamos	039	039	2,4,6-Trichlorophenol	88062	8.10E-07	TY	FALSE	08
2002	Los Alamos	039	039	Vinyl Chloride	75014	6.62E-04	TY	FALSE	08
2002	Los Alamos	039	039	o-Xylene	95476	1.40E-03	TY	FALSE	08
2002	Los Alamos	039	039	Bromomethane	74839	5.52E-04	TY	FALSE	08
2002	Los Alamos	039	039	2-Butanone (MEK)	78933	1.99E-04	TY	FALSE	08
2002	Los Alamos	039	039	Chloromethane	74873	8.46E-04	TY	FALSE	08
2002	Los Alamos	039	039	1,2Dichloroethane	107062	1.07E-03	TY	FALSE	08
2002	Los Alamos	039	039	Dichloromethane	75092	1.07E-02	TY	FALSE	08
2002	Los Alamos	039	039	1,2-Dichloropropane	78875	1.21E-03	TY	FALSE	08
2002	Los Alamos	039	039	Propanal	123386	1.18E-04	TY	FALSE	08
2002	Los Alamos	039	039	2,3,7,8-Tetrachlorodibenzo-	624	3.31E-09	TY	FALSE	08
2002	Los Alamos	039	039	Tetrachloroethene	127184	1.40E-03	TY	FALSE	08
2002	Los Alamos	039	039	1,1,1-Trichloroethane	71556	1.14E-03	TY	FALSE	08
2002	Los Alamos	039	039	Trichloroethene	79016	1.10E-03	TY	FALSE	08
2002	Los Alamos	039	039	POM	246	1.30E-03	TY	FALSE	08
2002	Los Alamos	039	039	1,3-Butadiene	106990	6.55E-05	TY	FALSE	08
2002	Los Alamos	040	040	CO		1.5	TY	FALSE	07
2002	Los Alamos	040	040	NO2		2.9	TY	FALSE	07
2002	Los Alamos	040	040	PM10		1.4	TY	FALSE	07
2002	Los Alamos	040	040	PM25		1.3	TY	FALSE	07
2002	Los Alamos	040	040	PT		1.9	TY	FALSE	07
2002	Los Alamos	040	040	SO2		0.2	TY	FALSE	07
2002	Los Alamos	040	040	VOC		3.5	TY	FALSE	07
2002	Los Alamos	040	040	Antimony Compounds	92	6.42E-05	TY	FALSE	08
2002	Los Alamos	040	040	Arsenic Compounds	93	1.79E-04	TY	FALSE	08
2002	Los Alamos	040	040	Beryllium Compounds	109	8.94E-06	TY	FALSE	08
2002	Los Alamos	040	040	Cadmium Compounds	125	3.33E-05	TY	FALSE	08
2002	Los Alamos	040	040	Chromium, total	136	1.71E-04	TY	FALSE	08
2002	Los Alamos	040	040	Chromium, hexavalent	18540299	2.85E-05	TY	FALSE	08
2002	Los Alamos	040	040	Cobalt Compounds	139	5.29E-05	TY	FALSE	08
2002	Los Alamos	040	040	Lead Compounds	195	3.90E-04	TY	FALSE	08
2002	Los Alamos	040	040	Manganese Compounds	198	1.30E-02	TY	FALSE	08
2002	Los Alamos	040	040	Mercury Compounds	199	2.85E-05	TY	FALSE	08
2002	Los Alamos	040	040	Nickel Compounds	226	2.68E-04	TY	FALSE	08
2002	Los Alamos	040	040	Phosphorus	7723140	2.20E-04	TY	FALSE	08
2002	Los Alamos	040	040	Selenium Compounds	253	2.28E-05	TY	FALSE	08
2002	Los Alamos	040	040	Acetaldehyde	75070	7.03E-03	TY	FALSE	08
2002	Los Alamos	040	040	Acetophenone	98862	2.60E-08	TY	FALSE	08
2002	Los Alamos	040	040	Acrolein	107028	3.26E-02	TY	FALSE	08
2002	Los Alamos	040	040	Benzene	71432	3.45E-02	TY	FALSE	08

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2002	Los Alamos	040	040	bis(2-Ethylhexyl)phthalate	117817	3.82E-07	TY	FALSE	08
2002	Los Alamos	040	040	Carbon tetrachloride	56235	3.66E-04	TY	FALSE	08
2002	Los Alamos	040	040	Chlorine	7782505	6.42E-03	TY	FALSE	08
2002	Los Alamos	040	040	Chlorobenzene	108907	2.68E-04	TY	FALSE	08
2002	Los Alamos	040	040	Chloroform	67663	2.28E-04	TY	FALSE	08
2002	Los Alamos	040	040	2,4-Dinitrophenol	51285	1.46E-06	TY	FALSE	08
2002	Los Alamos	040	040	Ethylbenzene	100414	2.52E-04	TY	FALSE	08
2002	Los Alamos	040	040	Formaldehyde	50000	3.62E-02	TY	FALSE	08
2002	Los Alamos	040	040	Hydrogen chloride	7647010	1.54E-01	TY	FALSE	08
2002	Los Alamos	040	040	4-Nitrophenol	100027	8.94E-07	TY	FALSE	08
2002	Los Alamos	040	040	Pentachlorophenol	87865	4.15E-07	TY	FALSE	08
2002	Los Alamos	040	040	Phenol	108952	4.15E-04	TY	FALSE	08
2002	Los Alamos	040	040	Propionaldehyde	123386	4.98E-04	TY	FALSE	08
2002	Los Alamos	040	040	Styrene	100425	1.54E-02	TY	FALSE	08
2002	Los Alamos	040	040	2,3,7,8-Tetrachlorodibenzo-	1746016	6.99E-11	TY	FALSE	08
2002	Los Alamos	040	040	Toluene	108883	7.63E-03	TY	FALSE	08
2002	Los Alamos	040	040	2,4,6-Trichlorophenol	88062	1.79E-07	TY	FALSE	08
2002	Los Alamos	040	040	Vinyl Chloride	75014	1.46E-04	TY	FALSE	08
2002	Los Alamos	040	040	o-Xylene	95476	3.09E-04	TY	FALSE	08
2002	Los Alamos	040	040	Bromomethane	74839	1.22E-04	TY	FALSE	08
2002	Los Alamos	040	040	2-Butanone (MEK)	78933	4.39E-05	TY	FALSE	08
2002	Los Alamos	040	040	Chloromethane	74873	1.87E-04	TY	FALSE	08
2002	Los Alamos	040	040	1,2Dichloroethane	107062	2.36E-04	TY	FALSE	08
2002	Los Alamos	040	040	Dichloromethane	75092	2.36E-03	TY	FALSE	08
2002	Los Alamos	040	040	1,2-Dichloropropane	78875	2.68E-04	TY	FALSE	08
2002	Los Alamos	040	040	Propanal	123386	2.60E-05	TY	FALSE	08
2002	Los Alamos	040	040	2,3,7,8-Tetrachlorodibenzo-	624	7.32E-10	TY	FALSE	08
2002	Los Alamos	040	040	Tetrachloroethene	127184	3.09E-04	TY	FALSE	08
2002	Los Alamos	040	040	1,1,1-Trichloroethane	71556	2.52E-04	TY	FALSE	08
2002	Los Alamos	040	040	Trichloroethene	79016	2.44E-04	TY	FALSE	08
2002	Los Alamos	040	040	POM	246	2.88E-04	TY	FALSE	08
2002	Los Alamos	040	040	1,3-Butadiene	106990	1.45E-05	TY	FALSE	08
2002	Los Alamos	041	041	CO		1.5	TY	FALSE	07
2002	Los Alamos	041	041	NO2		2.9	TY	FALSE	07
2002	Los Alamos	041	041	PM10		1.5	TY	FALSE	07
2002	Los Alamos	041	041	PM25		1.4	TY	FALSE	07
2002	Los Alamos	041	041	PT		1.9	TY	FALSE	07
2002	Los Alamos	041	041	SO2		0.2	TY	FALSE	07
2002	Los Alamos	041	041	VOC		3.6	TY	FALSE	07
2002	Los Alamos	041	041	Antimony Compounds	92	6.65E-05	TY	FALSE	08
2002	Los Alamos	041	041	Arsenic Compounds	93	1.85E-04	TY	FALSE	08
2002	Los Alamos	041	041	Beryllium Compounds	109	9.27E-06	TY	FALSE	08
2002	Los Alamos	041	041	Cadmium Compounds	125	3.45E-05	TY	FALSE	08
2002	Los Alamos	041	041	Chromium, total	136	1.77E-04	TY	FALSE	08
2002	Los Alamos	041	041	Chromium, hexavalent	18540299	2.95E-05	TY	FALSE	08
2002	Los Alamos	041	041	Cobalt Compounds	139	5.48E-05	TY	FALSE	08
2002	Los Alamos	041	041	Lead Compounds	195	4.04E-04	TY	FALSE	08
2002	Los Alamos	041	041	Manganese Compounds	198	1.35E-02	TY	FALSE	08
2002	Los Alamos	041	041	Mercury Compounds	199	2.95E-05	TY	FALSE	08
2002	Los Alamos	041	041	Nickel Compounds	226	2.78E-04	TY	FALSE	08
2002	Los Alamos	041	041	Phosphorus	7723140	2.27E-04	TY	FALSE	08
2002	Los Alamos	041	041	Selenium Compounds	253	2.36E-05	TY	FALSE	08
2002	Los Alamos	041	041	Acetaldehyde	75070	7.29E-03	TY	FALSE	08
2002	Los Alamos	041	041	Acetophenone	98862	2.70E-08	TY	FALSE	08
2002	Los Alamos	041	041	Acrolein	107028	3.37E-02	TY	FALSE	08
2002	Los Alamos	041	041	Benzene	71432	3.57E-02	TY	FALSE	08
2002	Los Alamos	041	041	bis(2-Ethylhexyl)phthalate	117817	3.96E-07	TY	FALSE	08
2002	Los Alamos	041	041	Carbon tetrachloride	56235	3.79E-04	TY	FALSE	08
2002	Los Alamos	041	041	Chlorine	7782505	6.65E-03	TY	FALSE	08
2002	Los Alamos	041	041	Chlorobenzene	108907	2.78E-04	TY	FALSE	08
2002	Los Alamos	041	041	Chloroform	67663	2.36E-04	TY	FALSE	08
2002	Los Alamos	041	041	2,4-Dinitrophenol	51285	1.52E-06	TY	FALSE	08
2002	Los Alamos	041	041	Ethylbenzene	100414	2.61E-04	TY	FALSE	08
2002	Los Alamos	041	041	Formaldehyde	50000	3.75E-02	TY	FALSE	08
2002	Los Alamos	041	041	Hydrogen chloride	7647010	1.60E-01	TY	FALSE	08
2002	Los Alamos	041	041	4-Nitrophenol	100027	9.27E-07	TY	FALSE	08
2002	Los Alamos	041	041	Pentachlorophenol	87865	4.30E-07	TY	FALSE	08
2002	Los Alamos	041	041	Phenol	108952	4.30E-04	TY	FALSE	08
2002	Los Alamos	041	041	Propionaldehyde	123386	5.14E-04	TY	FALSE	08
2002	Los Alamos	041	041	Styrene	100425	1.60E-02	TY	FALSE	08
2002	Los Alamos	041	041	2,3,7,8-Tetrachlorodibenzo-	1746016	7.24E-11	TY	FALSE	08
2002	Los Alamos	041	041	Toluene	108883	7.91E-03	TY	FALSE	08
2002	Los Alamos	041	041	2,4,6-Trichlorophenol	88062	1.85E-07	TY	FALSE	08
2002	Los Alamos	041	041	Vinyl Chloride	75014	1.52E-04	TY	FALSE	08
2002	Los Alamos	041	041	o-Xylene	95476	3.20E-04	TY	FALSE	08
2002	Los Alamos	041	041	Bromomethane	74839	1.26E-04	TY	FALSE	08
2002	Los Alamos	041	041	2-Butanone (MEK)	78933	4.55E-05	TY	FALSE	08
2002	Los Alamos	041	041	Chloromethane	74873	1.94E-04	TY	FALSE	08
2002	Los Alamos	041	041	1,2Dichloroethane	107062	2.44E-04	TY	FALSE	08
2002	Los Alamos	041	041	Dichloromethane	75092	2.44E-03	TY	FALSE	08
2002	Los Alamos	041	041	1,2-Dichloropropane	78875	2.78E-04	TY	FALSE	08
2002	Los Alamos	041	041	Propanal	123386	2.70E-05	TY	FALSE	08
2002	Los Alamos	041	041	2,3,7,8-Tetrachlorodibenzo-	624	7.58E-10	TY	FALSE	08
2002	Los Alamos	041	041	Tetrachloroethene	127184	3.20E-04	TY	FALSE	08
2002	Los Alamos	041	041	1,1,1-Trichloroethane	71556	2.61E-04	TY	FALSE	08
2002	Los Alamos	041	041	Trichloroethene	79016	2.53E-04	TY	FALSE	08
2002	Los Alamos	041	041	POM	246	2.99E-04	TY	FALSE	08
2002	Los Alamos	041	041	1,3-Butadiene	106990	1.50E-05	TY	FALSE	08
2002	Los Alamos	NEW-042	NEW-042	PM10		0.05	TY	FALSE	08
2002	Los Alamos	NEW-042	NEW-042	PM25		0.04	TY	FALSE	08
2002	Los Alamos	NEW-042	NEW-042	PT		0.04	TY	FALSE	08
2002	Los Alamos	NEW-043	NEW-043	VOC		0.007	TY	FALSE	08

2002 EI Unit Control Equip

County FIPs Code	AFS/NED S Plant ID	Inventory Year (YYYY)	Company Name	Facility Name	AIRS Point ID	AIRS Stack ID	Segment ID	Pollutant Code	Primary PCT Control Efficiency	Primary Device Type	Secondary Device Type	Description
028	0001	2002	Los	Los	001	001	01	BE	99.9	101	101	Be Machining TA-3 BLDG 39
028	0001	2002	Los	Los	006	006	01	BE	99.9	101	101	Be Machining TA35 BLDG 213
028	0001	2002	Los	Los	007	007	01	BE	99.95	101	101	Be Machining TA3 BLDG 141
028	0001	2002	Los	Los	008	008	01	BE	99.97	101	101	Be Machining TA3 BLDG 102
028	0001	2002	Los	Los	009	009	01	BE	99.96	101	101	Be Shop TA3-35 (Not Built)
028	0001	2002	Los	Los	010	010	01	AL-PT	99.95	101		Be Cutting & Beand Dressing TA-55-4
028	0001	2002	Los	Los	010	010	01	BE	99.95	101	101	Be Cutting & Beand Dressing TA-55-4
028	0001	2002	Los	Los	011	011	01	BE	99.95	101	101	Metallography TA55-4 North Stack
028	0001	2002	Los	Los	013	013	01	PM10	93	008	002	Asphalt Plant TA-3-73
028	0001	2002	Los	Los	013	013	01	PT	93	008	002	Asphalt Plant TA-3-73
028	0001	2002	Los	Los	024	024	01	NOx	63	205		TA-16 Plant 5 Boilers - Low NOx
028	0001	2002	Los	Los	025	025	01	NOx	63	205		TA-16 Plant 6 Boilers - Low NOx
028	0001	2002	Los	Los	026	026	01	PM10	92	153		Rock Crusher
028	0001	2002	Los	Los	026	026	01	PT	92	153		Rock Crusher
028	0001	2002	Los	Los	027	027	01	PM10	90	075	100	SEM-1424 Disintegrator paper shredder
028	0001	2002	Los	Los	027	027	01	PT	90	075	100	SEM-1424 Disintegrator paper shredder
028	0001	2002	Los	Los	032	032	01	NOx	64	026		TA-3 Boiler 1 - FGR
028	0001	2002	Los	Los	033	033	01	NOx	64	026		TA-3 Boiler 2 - FGR
028	0001	2002	Los	Los	034	034	01	NOx	64	026		TA-3 Boiler 3 - FGR
028	0001	2002	Los	Los	New-042	New-042	01	PT	95	075		Carpenter Shop TA-3-38 Cyclone
028	0001	2002	Los	Los	New-042	New-042	01	PM10	65	075		Carpenter Shop TA-3-38 Cyclone
028	0001	2002	Los	Los	New-042	New-042	01	PM2.5	45	075		Carpenter Shop TA-3-38 Cyclone

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