Colorado

TOXIC RELEASE INVENTORY
2001 DATA SUMMARY

PREPARED BY THE COLORADO DEPARTMENT
OF PUBLIC HEALTH AND ENVIRONMENT
SUSTAINABILITY PROGRAM

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Acronym List

CDPHE	Colorado Department of Public Health and Environment
ELP	Environmental Leadership Program
EPCRA	Emergency Planning and Community Right-to-Know Act
lb/yr	pounds per year
NOx	nitrogen oxide
PAC	polycyclic aromatic compound
PBT	persistent bioaccumulative toxic
PCB	polychlorinated biphenyl
POTW	publicly owned treatment work
PPA	Pollution Prevention Act
P2	Pollution Prevention
SARA	Superfund Amendments and Reauthorization Act
SIC	Standard Industrial Classification
TRI	Toxic Release Inventory
USDHHS	United States Department of Health and Human Services
USEPA	United States Environmental Protection Agency

EXECUTIVE SUMMARY

This report provides a summary of the Toxic Release Inventory (TRI) data submitted by Colorado facilities to the United States Environmental Protection Agency (USEPA) and the State of Colorado for calendar year 2001. This report includes the most currently available data on the release and management of toxic chemicals by manufacturing and processing facilities in Colorado subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA).

A total of 231 manufacturing and processing facilities in Colorado filed TRI reports for the year 2001. These facilities reported releases of 97 TRI chemicals or chemical categories. Over 80 percent of the chemicals releases were reported by facilities located in Teller, Moffat, Morgan, Adams, El Paso, and Pueblo counties. Approximately 90 percent of the chemical releases were reported by facilities in four industrial sectors: hard rock metal mining, electrical utilities, food and kindred products, and coal mining.

Overall, on-site and off-site releases of toxic chemicals in Colorado increased from approximately 31 million pounds in 2000 to approximately 38 million pounds in 2001 (a 22 percent increase). This increase is primarily due to a 36 percent increase in total on-site releases to land, associated with increased metal releases to land by the mining industry (through the disposal of waste rock) and by electric power plants (through the disposal of ash in on-site landfills or wet surface impoundments). Releases to surface water increased by approximately 18 percent primarily due to increased releases of nitrates at Excel Corp., Fort Morgan. Releases to air decreased approximately 5 percent primarily due to decreased releases of ammonia, chromium, mercury, and zinc at Holcim US Inc., Portland Plant, Florence.

For reporting year 2000 and beyond, USEPA established substantially lower reporting thresholds for select persistent, bioaccumulative, and toxic (PBT) chemicals. PBT chemicals are of concern because they remain in the environment for long periods of time; build up or accumulate in the body tissues of humans and animals; and have known toxic effects. Unlike other TRI chemicals, which are reported at thresholds of 10,000 to 25,000 pounds, most PBT chemicals are reported at thresholds of 10 and 100 pounds, while the reporting threshold for the PBT dioxin and dioxin-like compounds is 0.1 grams.

Beginning with reporting year 2001 and beyond, lead and lead compounds also have a reduced reporting threshold. The reporting threshold for lead and lead compounds was reduced to 100 pounds from the previous 25,000 pounds

for “manufactured and processed” and 10,000 pounds for “otherwise used” thresholds, except for lead contained in stainless steel, brass, or bronze alloys. The lowered reporting threshold for lead results in more facilities reporting this PBT chemical in 2001.

Colorado facilities released a total of 4,028,095 pounds of lead and lead compounds in 2001. Facilities released 3,854 pounds of PBT chemicals *other than lead* in 2001, as compared to 4,260 pounds in 2000. More detailed information on lead and other PBT chemical releases is provided in Section 4.

CDPHE has prepared this TRI report to better inform businesses, regulators, and the public about the types and quantities of chemicals released and transferred in Colorado. Chemical releases from facilities are regulated through environmental laws, such as the Clean Air Act, Clean Water Act, and Resource Recovery and Conservation Act (RCRA), which are enforced by USEPA and the State of Colorado. Most, if not all, of the facilities reporting to TRI have permits for air emissions, waste treatment and/or disposal, and water discharges. This TRI report does not attempt to indicate which chemical releases are covered under existing permits or which facilities are in compliance with their permits.

Colorado TRI 2001 facility and chemical data frozen as of March 3, 2003 are summarized in Appendix A of this report, and provided in HTML format at http://www.cdphe.state.co.us/el/SARA/SARAProgram.asp. The USEPA TRI Explorer tool, located at http://www.epa.gov/triexplorer/ was used to query and compile the Colorado TRI 2001 data for presentation in this report. The Explorer tool is designed to help communities identify facilities and chemical release patterns that warrant further study and analysis. For additional information about the Colorado TRI 2001 data, contact the CDPHE TRI staff at 303-692-2979, or visit our web page at http://www.cdphe.state.co.us/el/SARA/SARAProgram.asp.

SECTION 1 - TRI 2001 OVERVIEW

1.0 INTRODUCTION

This report provides a summary and analysis of data submitted by Colorado facilities for calendar year 2001 in fulfillment of the Toxic Release Inventory (TRI) reporting requirements established under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The TRI data is an important tool for identifying and evaluating releases and transfers of toxic chemicals and for measuring the effectiveness of pollution prevention efforts throughout the United States. The Colorado Department of Public Health and Environment (CDPHE) has prepared this report to help inform the regulated community, regulators, and the public about the types and quantities of chemicals released, transferred, and managed within Colorado, and to continue our mission to preserve and protect the health and environment of the people of Colorado.

1.1 WHAT IS THE TOXIC RELEASE INVENTORY?

The TRI is a publicly available database containing information on over 600 designated toxic chemicals that are released or transferred off-site by facilities throughout the United States each year. The TRI reporting criteria are established under Section 313 of EPCRA, which was enacted by Congress in 1986 under the federal Superfund Amendments and Reauthorization Act (SARA). Facilities are required to report TRI information annually to the United States Environmental Protection Agency (USEPA) and to the state in which they are located. TRI reports for reporting year 2001 were due July 1, 2002.

TRI requires facilities to report toxic releases, but does not regulate the releases of these chemicals. Regulations developed through other environmental laws, such as the Clean Air Act, Clean Water Act, and Resource Recovery and Conservation Act, restrict the releases from facilities and are enforced by USEPA and the State of Colorado. Most, if not all, of the facilities reporting to TRI have permits for air, waste, and water. TRI does not tell which releases are covered under permits or if the facilities are in compliance with their permits.

The chemical release data presented in this report were compiled using the USEPA TRI Explorer tool, located at http://www.epa.gov/triexplorer/. TRI Explorer provides public access to TRI data frozen as of March 3, 2003. The Explorer tool is designed to help communities identify facilities and chemical release patterns that warrant further study and analysis.

1.2 WHO REPORTED IN COLORADO?

According to Section 313 of EPCRA, reports must be filed by owners and operators of facilities that meet all of the following criteria:

- The facility has 10 or more full-time employees or their equivalent;
- The facility conducts operations within specified Standard Industrial Classification (SIC) codes; and
- The facility manufactures, processes, or uses specified chemicals in quantities greater than the established threshold in the course of a calendar year. Reporting thresholds are typically 25,000 pounds for manufactured or processed chemicals and 10,000 pounds for otherwise used chemicals. Thresholds for persistent, bioaccumulative, and toxic (PBT) chemicals are lower (see Section 1.6.1).

In previous years, TRI data included only manufacturing and federally-owned facilities. Beginning in 1998, the USEPA required several additional industrial sectors to submit TRI reports. These additional industrial sectors included: coal mining, metal mining, electrical generation facilities combusting coal or oil, hazardous waste disposal, wholesale bulk petroleum distribution, chemical wholesale distribution, and solvent recycling.

In Colorado, a total of 231 facilities filed TRI reports for the year 2001. These facilities reported releases of 97 different TRI listed chemicals. Colorado TRI 2001 facility and chemical data frozen as of March 3, 2003 are summarized in Appendix A.

The locations of all TRI reporting facilities in Colorado are shown in Figure 1.1. Over 80 percent of reported on-site and off-site releases occurred in six counties: Teller, Moffat, Morgan, Adams, El Paso, and Pueblo counties.

How Does Colorado Compare?

Colorado ranked 34th nationally in total on-site and off-site releases of TRI chemicals in 2001, as compared to ranking 37th nationally in 2000. Facilities reported total releases equaling approximately 37 million pounds in 2001, as compared to 30 million pounds in 2000.

Nevada ranked the highest in the United States with on-site and off-site releases totaling over 800 million pounds. Within the continental United States, the District of Columbia ranked the lowest with on-site and off-site releases of approximately 60 thousand pounds.

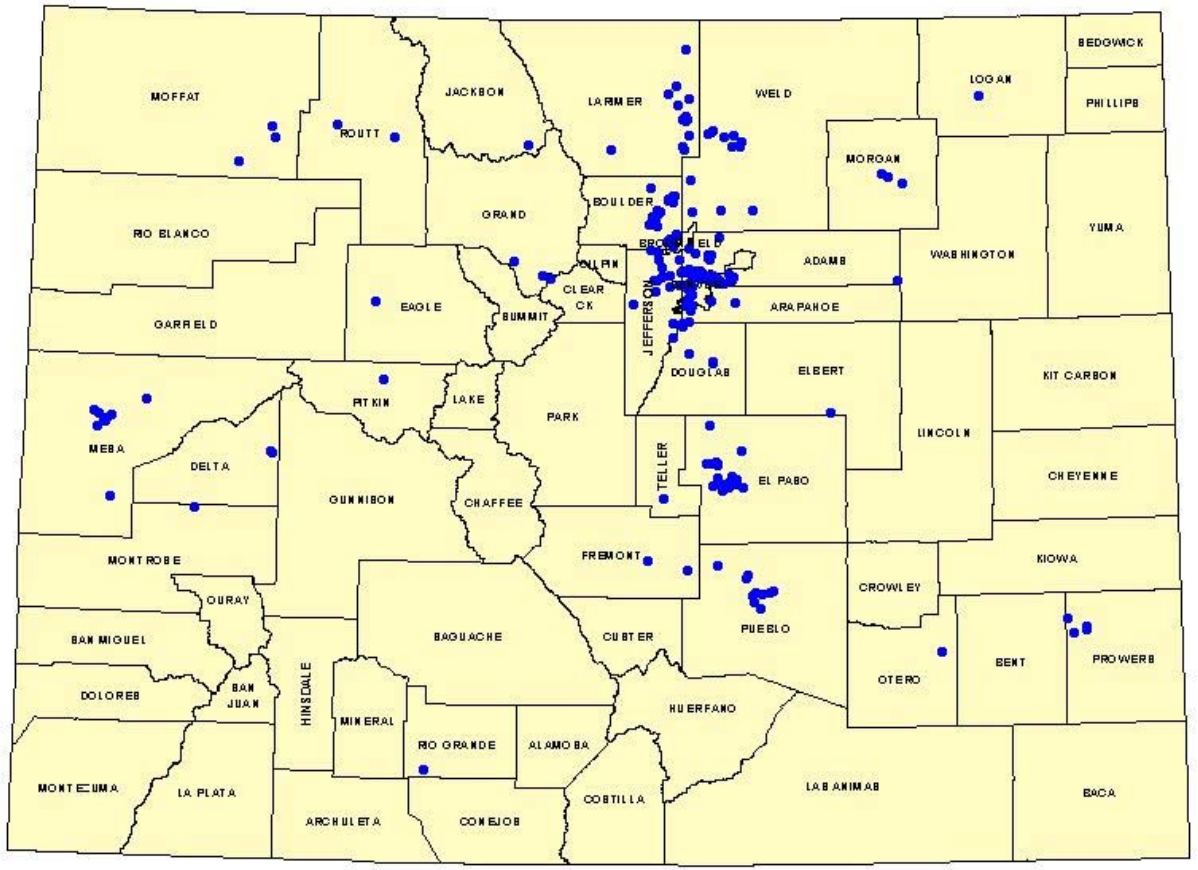


Figure 1.1. Colorado 2001
TRI Facility Locations

1.3 WHAT TYPE OF INFORMATION IS REPORTED?

A toxic chemical release inventory form (Form R) must be filed for each listed chemical that is manufactured, processed, or otherwise used above threshold limits. The Form R contains information such as:

- The quantity of each chemical released on-site and off-site, including on-site releases to air, water, or soil, and transfers off-site for disposal;
- The quantity of each chemical managed on- and off-site, including management through waste treatment, energy recovery, and recycling;
- The quantity of each chemical discharged to Publicly Owned Treatment Works (POTWs); and
- Source reduction activities undertaken to prevent pollution.

Chemical releases, management activities, and transfers to POTWs are further described in the following subsections.

1.3.1 On-Site and Off-Site Releases

A release is a discharge of a toxic chemical to the environment. On-site releases include: emissions to air; discharges to bodies of water; releases to underground injection wells; and releases to land at the facility. Chemical transfers off-site for disposal are also reported as releases to the environment.

Air Emissions. Releases to air are reported as either point source or fugitive emissions. Point source emissions, also referred to as stack emissions, occur through confined air streams, such as stacks, vents, ducts, or pipes. Fugitive emissions are all releases to air that are not released through a confined air stream. Fugitive emissions include equipment leaks, evaporative losses from surface impoundments and spills, and releases from building ventilation systems.

Surface Water Discharges. Releases to water include discharges to streams, lakes, rivers, oceans, and other bodies of water. This includes process outfalls such as pipes, and open trenches, releases from on-site wastewater treatment systems, and the contribution from stormwater runoff.

Underground Injection. Underground injection is a way to dispose of wastewater below the ground's surface. TRI chemicals associated with manufacturing, the petroleum industry, mining, commercial and service industries, and

Federal and municipal government related activities may be injected into Class I, II, III, IV or V wells, if they do not endanger underground sources of drinking water, public health, or the environment. There were no reported releases of TRI listed chemicals via underground injection in Colorado in 2000.

On-Site Land Releases. On-site releases to land include disposal of toxic chemicals in landfills, land treatment/application farming, surface impoundments, other land disposal methods, and releases to land (e.g., spills or leaks).

Transfers Off-Site for Disposal. Toxic chemicals in waste that are transferred off-site for disposal typically end-up either released to land (i.e., placed in an engineered disposal cell on or in the ground) at an off-site facility or are injected underground. This category also includes metals and metal compounds transferred off-site for solidification/stabilization and for waste water treatment, including to POTWs. USEPA considers these chemicals as "released" to the environment.

1.3.2 Waste Management Activities

The Pollution Prevention Act of 1990 established as national policy a hierarchy of waste management options for situations where source reduction (the preferred management activity) is not feasible. Waste management options in order of preference are recycling, energy recovery, and treatment. The least favorable option is on-site and off-site release or disposal (see Section 1.3.1).

Recycling. Recycling involves recovering or regenerating toxic chemicals that can be returned for further processing or be made available for use in commerce. For the purposes of the TRI, on-site recycling includes the quantity of a toxic chemical recovered at the facility and made available for further use. Off-site recycling includes the quantity of toxic chemicals that left the facility boundary for recycling, not the amount recovered at the off-site location.

Energy Recovery. Energy recovery involves the combustion of toxic chemicals in industrial furnaces or boilers that generate energy for on-site or off-site use. On-site energy recovery includes the quantity of a toxic chemical that was combusted in some form of energy recovery device. The toxic chemical should have a heating value high enough to sustain combustion. Off-site energy recovery includes the quantity of toxic chemicals that left the facility boundary for energy

recovery, not the amount combusted at the off-site energy recovery unit.

Treatment. Waste treatment involves a variety of methods, including biological treatment, neutralization, incineration, and physical separation. For the purposes of the TRI, on-site treatment includes the quantity of a toxic chemical destroyed in on-site waste treatment operations, not the amount that entered the waste treatment operation. Off-site treatment includes the quantity of toxic chemicals that left the facility boundary and was sent to POTWs or other off-site locations for treatment, not the amount that was destroyed at the off-site location(s).

1.3.3 Transfers to POTWs

A POTW is a wastewater treatment facility that is owned by a state or municipality. Wastewater from TRI reporting facilities is transferred through pipes or sewers to a POTW. Treatment or removal of a chemical from the wastewater depends on the nature of the chemical, as well as the treatment methods present at the POTW. Not all TRI chemicals can be treated or removed by a POTW. Some chemicals, such as metals, may be removed from the wastewater, but are not destroyed and may be disposed of in landfills or discharged to receiving waters. Therefore, transfers of metals and metal compounds to POTWs are categorized as off-site releases. Transfers to POTWs are included in this report under "Total Transfers Off-Site for Disposal."

1.4 BENEFITS AND USES OF THE TRI DATA

The TRI database provides a tool for communities and industry to measure progress towards reducing environmental and human health risks associated with toxic chemical releases.

- Responsible use of this data can help citizens identify potential environmental concerns, gain a better understanding of potential risks, and work with industry and government to reduce toxic chemical releases in their communities.

- Federal, state, and local governments can use TRI data to compare facilities or geographic areas, to identify areas of concern, to evaluate existing environmental programs, to more effectively set regulatory priorities, and to track pollution control and waste reduction progress.

- Industry can use TRI data to obtain an overview of the releases and management of toxic chemicals, to identify and reduce costs associated with toxic chemicals in waste, to identify pollution

prevention opportunities, and to measure progress towards achieving pollution prevention goals.

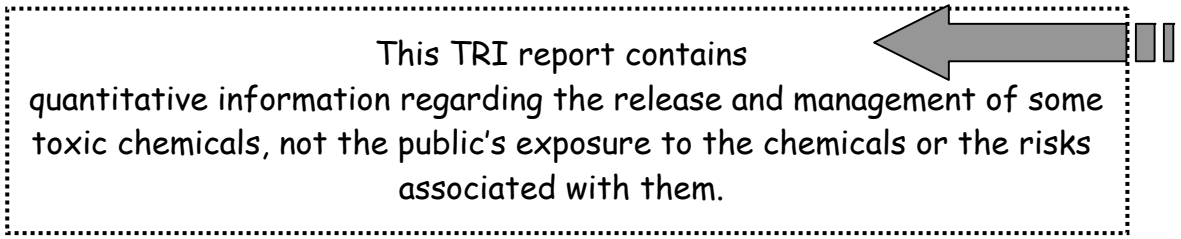
1.5 LIMITATIONS OF THE TRI DATA

The TRI has some limitations that need to be considered when using the data.

Not All Toxic Releases/Transfers Are Reported. Only a small fraction of all manufacturing facilities in Colorado are required to report under TRI due to the criteria provided in Section 1.2. In addition, facilities in the non-manufacturing sector, such as small businesses, motor vehicle repair/maintenance, and agricultural operations, are not required to report under TRI. Not all chemicals must be reported. For example, "criteria" air pollutants such as carbon monoxide or particulate matter (PM) are not included in the TRI.

Reported Release/Transfer Totals Are Based on Estimates. No special monitoring is required to calculate emission or transfer totals. TRI allows emission estimates based upon mass-balance calculations, published emission factors, and good engineering judgment. The methods of estimating or calculating data used by different facilities, or even the same facility over time, may vary, and thus the accuracy of the reported quantities may vary as well.

TRI Reports Releases - Not Exposures or Risks. The release rate, toxicity, and environmental fate of a chemical, as well as local meteorology and the proximity of nearby communities to the release, must be considered when assessing exposures. TRI release estimates alone are not sufficient to determine exposure, or to calculate potential risks.



Year-to-Year TRI Data Are Not Always Comparable. Since its inception, the TRI program has been expanding and evolving to provide more information to the public about the presence and release of toxic and hazardous chemicals in communities. Over the past 12 years, major regulatory and reporting changes have occurred that make the direct historical

comparison of releases from 1988 to 2001 difficult and inappropriate. Based on these considerations, the trend analyses contained in this report are limited to data comparisons between 2000 and 2001 only.

SECTION 2 - TRI SECTOR ANALYSIS

2.0 SECTOR OVERVIEW

The number of Colorado facilities reporting to TRI under each specified SIC code is shown in Table 2.1. Four industries (hard rock metal mining, electrical utilities, food and kindred products, and coal mining) reported 90 percent of all TRI chemical releases in the state. These four industries are described in more detail in the following subsections.

Table 2.1
Industry Releases
Colorado TRI 2001

Industry (SIC Code)	Industry Description	Number of Reporting Facilities	Total Releases (lbs/yr)	Percent of Total Releases in Colorado
10 (Except 1011, 1081, and 1094)	Metal mining	3	17,783,257	47%
4911, 4931, 4939	Electrical utilities that combust coal and/or used oil	14	10,634,113	28%
20	Food and kindred products	16	3,356,116	9%
12 (Except 1241)	Coal Mining	4	2,405,097	6%
34	Fabricated metals products, except machinery and components made from fabrics and other similar products	22	721,247	2%
33	Primary metals industries	6	610,275	2%
38	Measuring, analyzing, and controlling instruments, photographic, medical and optical goods, watches and clocks	9	437,162	1%
9511, 9711 and No Reported Codes	Federal Facilities with Other SIC Codes and No reported codes	5	349,080	1%
Multiple Codes 20-39	Facilities performing more than one type of industry within the same facility	10	291,738	1%
37	Transportation equipment	8	252,400	1%
30	Rubber and miscellaneous plastic products	11	247,503	1%
32	Stone, clay, glass, and concrete products	35	192,444	1%
29	Petroleum refining and related industry	9	170,859	<1%
28	Chemicals	21	164,246	<1%
36	Electronic and other electrical equipment and components	23	74,661	<1%
24	Lumber and wood products	7	66,802	<1%
5171	Petroleum terminals and bulk stations	7	65,824	<1%
4953/7389	RCRA/Solvent Recovery	3	44,928	<1%
25	Furniture and fixtures	3	22,853	<1%

Table 2.1 (cont'd)
Industry Releases
Colorado TRI 2001

Industry (SIC Code)	Industry Description	Number of Reporting Facilities	Total Releases (lbs/yr)	Percent of Total Releases in Colorado
35	Industrial and commercial machinery and computer equipment	9	20,867	<1%
5169	Chemical wholesalers	3	3,996	<1%
39	Miscellaneous manufacturing industries	2	1,000	<1%
21	Tobacco products	0	-	-
22	Textile mill products	0	-	-
23	Apparel and other finished products made from fabrics and other similar materials	1	-	-
26	Paper and allied products	0	-	-
27	Printing, publishing, and allied products	0	-	-
31	Leather and leather products	0	-	-
Total		231	**37,916,467**[a]	100

[a] Approximately two percent of the total reported releases are double counted. The potential for double counting arises because some manufacturing facilities report transfers of chemicals to other facilities that may then report the release of these chemicals.

2.1 METAL MINING

Industry Description

The hardrock metal mining industry was required to report to TRI for the first time in 1998 (see Section 1.2). In 2001, the hardrock metal mining industry reported 47 percent of all TRI chemicals released in Colorado (Table 2.1). This trend is consistent with the nation-wide picture – the metal mining industry releases more toxics than any other industry in the United States (USEPA, 2000). Copper, gold, and silver are principally mined in the Western United States. Lead is principally mined in Missouri and to a lesser extent in Alaska, Colorado, Idaho, and Montana. Metals mined by the metal mining sector (e.g., copper, gold, lead, molybdenum, silver, zinc) are the primary raw materials used in many industrial applications and thus are essential to the United States and world economies.

As described by USEPA (2000), hardrock mining is a large-scale industrial activity that takes place in the natural environment potentially disturbing large amounts of material and land area. Mining operations and the resulting pollutants can affect surface and groundwater, decrease air quality, contaminate soils, and diminish ecosystem quality. Large amounts of mining waste are generated because of the high waste-to-product ratios associated with producing most ores.

Both conventional underground and surface mining techniques are employed for mineral hardrock mining in Colorado. Underground mining involves sinking a shaft to the level of the ore and cutting passages from which the ore is removed. Surface mining involves removal of overlying materials to expose the ore for excavation.

TRI regulations distinguish overburden, ore, and waste rock. Overburden is the unconsolidated material that overlies a deposit of useful materials or ores. It does not include any portion of ore or waste rock. Overburden is exempt from TRI reporting. Waste rock is that portion of the ore body that consist of barren or submarginal rock or ore which has been mined but is not of sufficient value to warrant treatment and is, therefore, removed ahead of the beneficiation process. Releases of chemicals in waste rock are reportable if applicable thresholds are met. Overburden and waste rock typically are disposed of in piles at the mine site. They may be used on-site to backfill-completed excavations or sent off-site for use in construction projects.

The majority of TRI chemical releases reported by hardrock mining facilities are releases to land. These releases primarily include:

- Metals contained in unprocessed mined materials such as waste rock, and
- Processed materials such as tailings from milling, placed on-site often near the mine or mill.

Waste rock that is released to land may be exposed to the elements (i.e., wind, rain, snow), increasing the rate of erosion and the leaching of toxic metals. The hardrock mining industry also reports some chemical releases to surface water and air.

Top Metal Mining Facilities in Colorado

Three hardrock metal mining facilities in Colorado reported to TRI in 2001. The distributions of releases from these facilities are shown in Table 2.2.

Table 2.2
Top Metal Mining Facilities
Total Releases (lb/yr)
Colorado TRI 2001

Facility Name, City	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Releases in SIC Code
Cripple Creek & Victor Gold Mining Co., Victor	5,593	0	16,860,416	0	16,866,009	95%
Climax Molybdenum Co. Henderson Mine, Empire	29	15,138	585,020	0	600,186	3%
Climax Molybdenum Co. Henderson Mill, Parshall	52	0	317,010	0	317,062	2%
Totals for SIC Code 10, (Except 1011, 1081, 1094) in Colorado:	**5,674**	**15,138**	**17,762,446**	**0**	**17,783,257**	

2.2 ELECTRICAL UTILITIES THAT COMBUST COAL AND/OR USED OIL

Industry Description

Like the metal mining industry, electrical utilities that combust coal and/or used oil also were required to submit TRI reports for the first time in 1998. On both a statewide and nationwide basis, this industry contributed approximately one third of all TRI chemicals releases.

Electric utilities may use a variety of fuels to generate electricity (USEPA, 2000). Facilities that must report to TRI are limited to those that combust coal and/or oil for the purpose of generating power for distribution in commerce, and not those fueled by natural gas, nuclear, hydroelectric, or other sources. The impurities in coal or oil, used to fuel the generation of electricity, contribute to acid rain, smog, and soot, and are a major health and environmental concern. The by-products of coal combustion are acid gases such as hydrogen chloride, hydrogen fluoride and sulfuric acid, and heavy metals such as arsenic, mercury, nickel and zinc. Ammonia is released to the air as a by-product of advanced pollution control technology used to control particulate matter and nitrogen oxide (NOx).

Ash is also a product of coal combustion. Two types of ash are generated during combustion of fossil fuels: bottom ash and fly ash. Bottom ash collects at the bottom of the boiler, while fly ash is finer material that is borne by the flue gas

and is collected by air pollution control equipment. Electric utilities may dispose of ash on-site in landfills or wet surface impoundments. More often, ash is sent off-site to landfills, returned to the coal mine for disposal, or sold to the construction industry for use as aggregate in concrete. The associated TRI chemicals in the ash are reported as "transfers off-site for disposal."

Fuel storage is another source of releases. Air emissions may result when tanks are used to store materials containing volatile chemicals. Coal stored in exposed piles susceptible to increased leaching. Other substances used by utilities, such as solvents and lubricants for equipment cleaning and maintenance may also contain TRI chemicals.

Releases of carbon dioxide, a greenhouse gas, are not reported under TRI. It should be noted that emissions of carbon dioxide by electric utilities represent the single largest source of green house gases for any industrial sector in Colorado and nation-wide. In Colorado, the large majority of carbon dioxide emissions results from the combustion of bituminous coal, with natural gas and other petroleum liquids following. Additional information on sources of carbon dioxide and other greenhouse gases in Colorado is provided in *A Technical Assessment Examining Climate Change and Colorado* (CDPHE, 2000a).

Top Electrical Utilities in Colorado

A total of 14 electrical utilities in Colorado reported to TRI in 2001. The distributions of releases from the top ten electric utilities are shown in Table 2.3.

Table 2.3
Top 10 Electrical Utilities
Total Releases (lb/yr)
Colorado TRI 2001

Facility Name, City	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Releases in SIC Code
Tri-State Generation & Transmission - Craig Station, Craig	201,809	10	45	2,391,112	2,592,976	24%
Public Service Co. Of Colorado Cherokee Station, Denver	358,454	1,571	0	1,239,789	1,599,814	15%
Public Service Co. Of Colorado Pawnee Station, Brush	33,358	0	237,237	851,437	1,122,032	11%
Ray D. Nixon Power Plant, Fountain	71,824	0	947,317	500	1,019,641	10%
Public Service Co. Of Colorado Comanche Station, Pueblo	45,605	1,800	524,707	243,877	815,989	8%

Table 2.3 (cont'd)
Top 10 Electrical Utilities
Total Releases (lb/yr)
Colorado TRI 2001

Facility Name, City	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Releases in SIC Code
Rawhide Energy Station, Wellington	20,831	0	775,981	0	796,812	7%
Martin Drake Power Plant, Colorado Springs	130,559	0	0	469,759	600,318	6%
Public Service Co. Of Colorado Hayden Station, Hayden	4,006	0	529,556	4	533,566	5%
Public Service Co. Of Colorado Valmont Station, Boulder	169,954	0	325,164	0	495,118	5%
Public Service Co. Of Colorado Arapahoe Station, Denver	11,736	810	0	373,599	386,145	4%
Totals for SIC Codes 4911, 4931, 4939 in Colorado:	**1,402,661**	**4,192**	**3,444,301**	**5,782,958**	**10,634,113**	

2.3 FOOD AND KINDRED PRODUCTS

Industry Description

Manufacturers in the food and kindred products industry produce food for people, pets, and livestock, and make beer, wine, liquor, and soft drinks. Food and beverage processing is one of the country's largest and most diverse manufacturing sectors.

Fundamental to the manufacture of most food products is processing to stabilize food by heating, cooling, dehydration, freezing, or other means. Although different food products require different types of processing, many include some form of preservation. Food processors cure, wash, fumigate, acidify, pasteurize, freeze, dehydrate, esterify, or apply other physical, chemical or mechanical techniques to preserve foods from microbes, enzymes, chemical deterioration, or mechanical damage.

Chemicals may be used in food processing as additives. Additives include antioxidants, colorants, emulsifiers and surfactants, enzymes, flavors and flavor enhancers, leavening agents and baking aids, pH control agents, preservatives, propellants, refrigerants, solvents, stabilizers and thickeners, and others. Nitrites and nitrates, for example, are used as preservatives in curing meat; sodium nitrate

produces the characteristic cured-meat color and aids microbiological stability in low heat treatment.

Air emissions may result from boiler and furnace emissions and exhausts. Except for oils, solvents, and sludges, most wastes in food and beverages processing are aqueous. Food manufactures typically remove large solid particles, trap oil and fat, use holding tanks to buffer discharge volumes, and remove finer particles by settling. Therefore, discharges from extraction systems are a common wastestream in certain industries in this sector.

Top Food and Kindred Products Facilities

A total of 16 food and kindred products facilities in Colorado reported to TRI in 2000. Only eight facilities reported releases of TRI chemicals. The distributions of releases from these facilities are shown in Table 2.4.

Table 2.4
Top 10 Food and Kindred Products
Total Releases (lb/yr)
Colorado TRI 2001

Facility Name, City	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Releases in SIC Code
Excel Corp., Fort Morgan	2,200	3,140,859	0	533	3,143,592	94%
Longmont Foods, Longmont	0	0	68,082	0	68,082	2%
Western Sugar Co., Fort Morgan	31,345	0	30,809	0	62,154	2%
Western Sugar Co., Greeley	55,809	2,207	866	0	58,882	2%
Leprino Foods Co., Fort Morgan	0	20,226	0	0	20,226	1%
National By-Products Inc., Denver	2,920	0	0	0	2,920	<1%
Sinton Dairy foods L.L.C., Colorado Springs	250	0	0	0	250	<1%
Hauser Inc., Boulder	10	0	0	0	10	<1%
Totals for SIC Code 20 In Colorado:	**92,534**	**3,163,292**	**99,757**	**533**	**3,356,116**	

2.4 COAL MINING

Industry Description

Coal mines in SIC Code 12 include surface and underground anthracite and bituminous mines. Approximately 90 percent of the coal mined in the United States is used by electric utilities to generate electricity. The remaining coal is primarily used by industrial facilities to generate heat and electricity. Steel mills also use coal to produce coke, which is then combined with iron ore and limestone in a blast furnace to produce molten iron, the basic metal in steel.

Coal occurs in layered deposits under the earth's surface. Mining operations obtain raw coal by surface mining (removing the overburden on top of the coal and then excavating the coal) and underground mining (sinking shafts or driving adits and excavating corridors to gain access to the coal). These coal extraction activities are exempt from TRI reporting because they do not typically involve the use of listed toxic chemicals in reportable concentrations. However, other operations used to prepare the coal for commercial use (i.e., beneficiation activities) may involve TRI chemicals and must be reported. Coal preparation involves size reduction, screening/classification, and cleaning and drying. Some plants only size and classify, while others also clean and dry the coal.

Active mine sites release pollutants to air and water during various stages of the coal mining operation. Fugitive air emissions primarily result from crushing and screening the coal and transporting the coal using trucks, rail, or conveyor belts. Tanks used to store flotation and conditioning agents used to treat the coal may generate stack or point source air emissions. Acidic leachate from coal stored in exposed sites may result in surface water discharges or flow into underground streams. Waste ash is generated on-site during the thermal drying of coal. Waste ash may also be generated off-site during combustion at electric plants and returned to the mine. Ash generated on-site or received from off-site and used for reclamation is reportable as an on-site release.

Coal mining facilities reported to TRI for the first time in 1998. The majority of releases reported by coal mining facilities are releases to land. These releases primarily include:

- Ash received from off-site locations (e.g., from electric power generation plants) and placed back into the mine.

Top Coal Mining Facilities

Four coal mining facilities in Colorado (SIC Code 12, Except 1241) reported to TRI in 2000. The distributions of releases from these facilities are shown in Table 2.5.

Table 2.5
Top Coal Mining Facilities
Total Releases (lb/yr)
Colorado TRI 2001

Facility Name, City	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Releases in SIC Code
Trapper Mining Inc., Craig	323	145	2,404,624	0	2,405,092	100%
Bowie No. 2 Mine, Paonia	2	0	0	1	3	<1%
Colowyo Coal Co. L.P., Meeker	0	0	1	0	1	<1%
Unit Train Loadout, Paonia	1	0	0	0	1	<1%
Totals for SIC Code 12 (except 1241) in Colorado:	**326**	**145**	**2,404,625**	**1**	**2,405,097**	

SECTION 3 – TRI MEDIA ANALYSIS

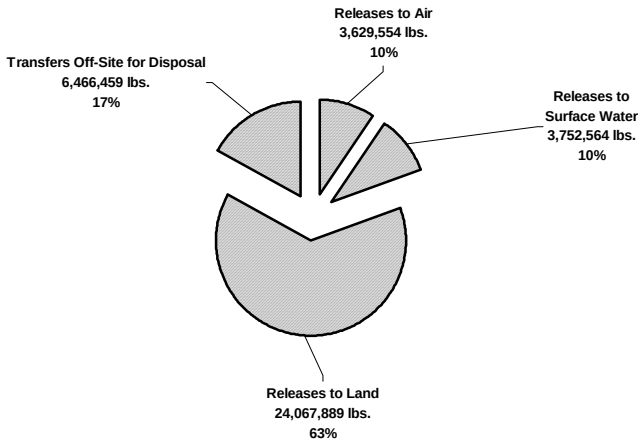
3.0 RELEASE OVERVIEW

Total on-site and off-site releases reported by Colorado facilities increased approximately 22 percent, from approximately 31 million pounds in 2000 to approximately 38 million pounds in 2001. As described in Section 1.3.1, totals for on- and off-site releases include:

- On-site releases at the reporting facility to air, surface water, underground injection wells (zero releases in Colorado), and land; and
- The portion of TRI chemicals transferred off-site for disposal (which includes transfers of TRI metals to municipal wastewater treatment plants).

Figure 3.1 shows the distribution of total TRI 2001 chemical releases for Colorado. Media-specific chemical releases are discussed in the following subsections.

Figure 3.1
Colorado TRI 2001
Total On- and Off-Site Releases



3.1 AIR RELEASES

Air releases are classified as either "fugitive" (non-point source) or "stack" (point source) emissions on-site. Examples of fugitive air emissions are equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills. Stack air emissions are releases to air that are conveyed through stacks, ducts, pipes, vents, or other confined air streams. Most, if not all, facilities reporting to TRI have permitted stack emissions. In Colorado, 75 percent of the total releases to air were reported as stack emissions, while 25 percent were reported as fugitive releases.

Total on-site releases to air (fugitive and stack) decreased approximately 5 percent, from 3,877,603 pounds in 2000 to 3,692,554 pounds in 2001. The top ten industries and top ten facilities for total releases to air are shown in Tables 3.1 and 3.2, respectively. The top ten chemicals for total releases to air are shown in Table 3.3.

Table 3.1
Top 10 Industries
Total Releases to Air (lb/yr)
Colorado TRI 2001

Industry (SIC Code)	Industry Description	Total Release to Air (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Releases to Air
4911, 4931, 4939	Electrical utilities that combust coal and/or used oil	1,402,661	2% ↑	38%
34	Fabricated metals products, except machinery and components made from fabrics and other similar products	667,034	3% ↓	18%
30	Rubber and miscellaneous plastic products	229,432	18% ↓	6%
Multiple Codes 20-39	Facilities performing more than one type of industry within the same facility	219,956	34%↑	6%
37	Transportation equipment	201,083	147%↑	5%
32	Stone, clay, glass, and concrete products	160,718	56%↓	4%
29	Petroleum refining and related industry	143,522	13%↑	4%
28	Chemicals	108,191	9%↓	3%
38	Measuring, analyzing, and controlling instruments, photographic, medical and optical goods, watches and clocks	93,199	38%↑	3%
20	Food and kindred products	92,534	45%↓	3%
Total		**3,629,554**	**5%↓**	

Table 3.2
Top 10 Facilities
Total Releases to Air (lb/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Release to Air (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Releases to Air
*Public Service Co. of Colorado Cherokee Station, Denver	4911	358,454	4%↑	10%
*Metal Container Corp., Windsor	3411	279,376	<1%↓	8%
*Valley Metal Container, Golden	3411	227,900	3%↓	6%
*Tri-State Generation & Transmission - Craig Station, Craig	4911	201,809	5%↑	6%
*Trigen-Nations Energy Co. L.L.L.P., Golden	4939	195,015	<1%↓	5%
*Public Service Co. of Colorado Valmont Station, Boulder	4911	169,954	<1%↑	5%
*Holcim US Inc. Portland Plant, Florence	3241	149,749	51%↓	4%
Ball Metal Beverage Container Corp, Golden	3411	143,130	2%↑	4%
Goodrich Carbon Products, Pueblo	3728	141,000	8,170%↑	4%
*Intertape Polymer group, Brighton	2672	133,500	27%↓	4%
Totals for all Colorado Facilities:		**3,629,554**	**5%↓**	

"*" Indicates that the facility ranked in the top ten for releases to air in 2000.

Table 3.3
Top 10 Chemicals
Total Releases to Air (lb/yr)
Colorado TRI 2001

Chemical	Total Release to Air (Pound/Year)	Primary Contributor (Facility Name, City)
Hydrogen Fluoride	795,831	Public Service Co. of Colorado Cherokee Station, Denver
Hydrochloric Acid (1995 and after "Acid Aerosols" only)	524,935	Trigen-Nations Energy Co. L.L.L.P., Golden
N-Butyl Alcohol	375,178	Metal Container Corp., Windsor
Ammonia	291,922	Holcim US Inc. Portland Plant, Florence
Certain Glycol Ethers	279,331	Metal Container Corp., Windsor
N-Hexane	161,506	Intertape Polymer Group, Brighton
Toluene	152,880	Gates Rubber Co., Denver
Ethylene	142,707	Goodrich Carbon Products, Pueblo
Styrene	101,980	C. F. Maier Composites Inc., Lamar
Methanol	96,432	Kodak Colorado Div. , Windsor
Sulfuric Acid (1994 and after "Acid Aerosols" only)	76,477	Conoco Denver Refinery, Commerce City
Totals for all Colorado Facilities:	**3,629,554**	

As shown in Table 3.1, two industrial sectors (coal-burning electric utilities and fabricated metal manufacturers) account for 56 percent of all TRI chemical

releases to air in 2001. These industrial sectors showed little change in the quantity of TRI chemicals released to air between 2000 and 2001.

As shown in Table 3.2, Holcim US Inc. Portland Plant, Florence and Intertape Polymer Group, Brighton showed significant decreases in TRI releases to air in 2001, and made significant contributions to the overall 5 percent decrease in total TRI releases to air in Colorado. Holcim US Inc., a cement manufacturing facility, built and began operating a new cement kiln in Florence in 2000. In 2001, the facility shut down older kilns and experienced a series of additional plant shut downs due to operational problems. These various shut downs resulted in reduced air emissions of ammonia, chromium, mercury, and zinc at the Florence facility. Intertape Polymer Group, Brighton, a manufacturer of packaging products including shrink film, stretch film and adhesive tapes, and packaging equipment, inkjet printing systems and labeling systems, reported a 22% decrease in releases of n-hexane to air and a 50 percent decrease in releases of toluene to air primarily due to decreased rates of production at the facility.

Goodrich Carbon Products, a manufacturer of aircraft wheels and brakes, showed a 8,170 percent increase in TRI releases to air, and contributed 4 percent to the total TRI releases to air in Colorado. Goodrich indicated that a previously unreported source of ethylene emissions was discovered at the facility, and was first reported during the TRI 2001 reporting year. The facility will update previous TRI records to reflect this source of ethylene emissions over the next several months.

3.2 SURFACE WATER RELEASES

Total on-site releases to surface water increased approximately 18 percent, from 3,171,582 pounds in 2000 to 3,752,564 pounds in 2001. The top ten industries and top ten facilities for total releases to surface water are shown in Tables 3.4 and 3.5, respectively. The top ten chemicals for total releases to surface water are shown in Table 3.6.

Table 3.4
Top 10 Industries
Total Releases to Surface Water (lb/yr)
Colorado TRI 2001

Industry (SIC Code)	Industry Description	Total Release to Surface Water (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Releases to Surface Water
20	Food and kindred products	3,163,292	24%↑	84%
38	Measuring, analyzing, and controlling instruments, photographic, medical and optical goods, watches and clocks	341,993	16%↓	9%
9511, 9711 and No Reported Codes	Federal Facilities with Other SIC Codes and No reported codes	77,927	95%↑	2%
Multiple Codes 20-39	Facilities performing more than one type of industry within the same facility	61,700	4%↓	2%
37	Transportation equipment	51,000	2%↓	1%
29	Petroleum refining and related industry	27,288	6%↓	1%
10 (Except 1011, 1081, and 1094)	Metal mining	15,138	11%↑	<1%
33	Primary metals industries	9,402	3%↑	<1%
4911, 4931, 4939	Electrical utilities that combust coal and/or used oil	4,192	17%↑	<1%
34	Fabricated metals products, except machinery and components made from fabrics and other similar products	296	1%↓	<1%
Total		**3,752,564**	**18↑**	

Table 3.5
Top 10 Facilities
Total Releases to Surface Water (lb/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Release to Surface Water (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Releases to Surface Water
*Excel Corp., Fort Morgan	2011	3,140,859	25%↑	84%
*Kodak Colorado Div, Windsor	3861	341,993	16%↓	9%
*Coors Brewing Co., Golden	2082	61,700	4%↓	2%
U.S. EPA Fund-Lead Superfund Site/Summitville Mine, Summitville	9511	57,184	104%↑	2%
*Lockheed Martin Space Sys. Co. Astronautics Ops, Littleton	3761	51,000	2%↓	1%
*Conoco Denver Refy., Commerce City	2911	26,520	6%↓	1%

Table 3.5 (cont'd)
Top 10 Facilities
Total Releases to Surface Water (lb/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Release to Surface Water (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Releases to Surface Water
U.S. Army Fort Carson, Fort Carson	9711	20,743	74%↑	1%
*Leprino Foods Co., Fort Morgan	2022	20,226	34%↓	1%
*Climax Molybdenum Co. Henderson Mine, Empire	1061	15,138	11%↑	<1%
*CF&I Steel L.P. (DBA Rocky Mountain Steel Mills), Pueblo	3312	9,402	3%↑	<1%
Totals for all Colorado Facilities:		**3,752,564**	**18%↑**	

"*" Indicates that the facility ranked in the top ten for releases to surface water in 2000.

Table 3.6
Top 10 Chemicals
Total Releases to Surface Water (lb/yr)
Colorado TRI 2001

Chemical	Total Release to Surface Water (Pound/Year)	Primary Contributor (Facility Name, City)
Nitrate Compounds	3,654,345	Excel Corp., Fort Morgan
Manganese Compounds	42,555	U.S. EPA Fund-Lead Superfund Site/Summitville Mine, Summitville
Copper Compounds	15,810	U.S. EPA Fund-Lead Superfund Site/Summitville Mine, Summitville
Ammonia	12,899	Coors Brewing Co, Golden.
Certain Glycol Ethers	11,318	Kodak Colorado Div., Windsor
Zinc Compounds	10,165	U.S. EPA Fund-Lead Superfund Site/Summitville Mine, Summitville
Barium Compounds	2,930	Public Service Co. Of Colorado Comanche Station, Pueblo
Methanol	859	Kodak Colorado Div., Windsor
Ethylene Glycol	603	Kodak Colorado Div., Windsor
Vanadium Compounds	298	Public Service Co. Of Colorado Cherokee Station, Denver
Totals for all Colorado Facilities:	**3,752,564**	

As shown in Tables 3.5, 84 percent of the TRI chemicals discharged to surface water in Colorado were released by Excel Corporation, a beef packing facility in Fort Morgan. The majority of the chemicals discharged by Excel Corporation were nitrate compounds (Table 3.6) which were discharged to the South Platte River. According to the USEPA (2002), primary sources of organic nitrates

include human sewage and livestock manure, especially from feedlots. Usually plants take these nitrates up, but sometimes rain or irrigation water can leach them into groundwater. Elevated levels of nitrates in drinking water (i.e., levels above 10 parts per million) can cause serious health effects. Infants less than 6 months of age are most affected by excess nitrates in the water. They may develop a condition called methemoglobinemia (blue baby syndrome).

3.3 LAND RELEASES

Total on-site releases to land increased approximately 36 percent, from 17,740,923 pounds in 2000 to 24,067,889 pounds in 2001. The top ten industries and top ten facilities for total releases to land are shown in Tables 3.7 and 3.8, respectively. The top ten chemicals for total releases to land are shown in Table 3.9.

Table 3.7
Top 10 Industries
Total Releases to Land (lb/yr)
Colorado TRI 2001

Industry (SIC Code)	Industry Description	Total Release to Land (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Releases to Land
10 (Except 1011, 1081, and 1094)	Metal mining	17,762,446	52%↑	74%
4911, 4931, 4939	Electrical utilities that combust coal and/or used oil	3,444,301	10%↑	14%
12 (Except 1241)	Coal Mining	2,404,625	9%↓	10%
9511, 9711 and No Reported Codes	Federal Facilities with Other SIC Codes and No reported codes	269,998	201%↑	1%
20	Food and kindred products	99,757	2%↓	<1%
4953/7389	RCRA/Solvent Recovery	41,389	369%↑	<1%
32	Stone, clay, glass, and concrete products	28,778	37%↓	<1%
28	Chemicals	7,045	7%↓	<1%
33	Primary metals industries	6,170	1%↓	<1%
5171	Petroleum terminals and bulk stations	1,072	283%↑	<1%
Total		**24,067,889**	**36%↑**	

Table 3.8
Top 10 Facilities
Total Releases to Land (lb/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Release to Land (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Releases to Land
*Cripple Creek & Victor Gold Mining Co., Victor	1041	16,860,416	55%↑	70%
*Trapper Mining Inc., Craig	1221	2,404,624	9%↓	10%
*Ray D. Nixon Power Plant, Fountain	4911	947,317	114%↑	4%
*Rawhide Energy Station, Wellington	4911	775,981	12%↑	3%
*Climax Molybdenum Co. Henderson Mine, Empire	1061	585,020	30%↑	2%
*Public Service Co. of Colorado Hayden Station, Hayden	4911	529,556	12%↑	2%
*Public Service Co. of Colorado Comanche Station, Pueblo	4911	524,707	24%↓	2%
*Public Service Co. of Colorado Valmont Station, Boulder	4911	325,164	10%↓	1%
*Climax Molybdenum Co. Henderson Mill, Parshall	1061	317,010	9%↓	1%
*Public Service Co. of Colorado Pawnee Station, Brush	4911	237,237	39%↓	1%
Totals for all Colorado Facilities:		**24,067,889**	**36% ↑**	

"*" Indicates that the facility ranked in the top ten for releases to land in 2000.

Table 3.9
Top 10 Chemicals
Total Releases to Land (lb/yr)
Colorado TRI 2001

Chemical	Total Release to Land (Pound/Year)	Primary Contributor (Facility Name, City)
Manganese Compounds	11,013,025	Cripple Creek & Victor Gold Mining Co., Victor
Barium Compounds	4,959,951	Trapper Mining Inc., Craig
Lead Compounds	3,841,329	Cripple Creek & Victor Gold Mining Co., Victor
Zinc Compounds	2,957,817	Cripple Creek & Victor Gold Mining Co., Victor
Arsenic Compounds	590,000	Cripple Creek & Victor Gold Mining Co., Victor
Vanadium Compounds	197,425	Trapper Mining Inc., Craig
Copper	125,387	U.S. Army Fort Carson Range Facility, Fort Carson
Copper Compounds	115,190	U.S. EPA Fund-Lead Superfund Site/Summitville Mine, Summitville
Lead	51,829	U.S. Army Fort Carson Range Facility, Fort Carson
Chromium Compounds	47,590	Trapper Mining Inc., Craig
Totals for all Colorado Facilities:	**24,067,889**	

As shown in Tables 3.8, 70 percent of the TRI chemicals released to land in Colorado were released by Cripple Creek & Victor Gold Mining Company located in Victor. As discussed in Section 2.1, releases to land reported by hardrock mining facilities typically include metals contained in unprocessed mined materials such as waste rock, and processed materials such as tailings from milling, placed on-site often near the mine or mill. At Cripple Creek & Victor the largest portion of the reported releases includes metals in waste rock.

3.4 TRANSFERS OFF-SITE FOR DISPOSAL

Chemicals transferred off-site for disposal may be disposed through processes such as storage, the solidification or stabilization of metals, underground injection, landfills, land treatment, or other means. This TRI category includes metals and metal compounds that are transferred to POTWs.

Total transfers off-site for disposal increased approximately two percent from 6,351,870 pounds in 2000 to 6,466,459 pounds in 2001. The top ten industries and top ten facilities for transfers off-site for disposal are shown in Tables 3.10 and 3.11, respectively. The top ten chemicals for transfers off-site for disposal are shown in Table 3.12.

Table 3.10
Top 10 Industries
Total Transfers Off-Site for Disposal (lb/yr)
Colorado TRI 2001

Industry (SIC Code)	Industry Description	Total Transfers Off-Site for Disposal (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Transfers Off-Site for Disposal
4911, 4931, 4939	Electrical utilities that combust coal and/or used oil	5,782,958	12%↑	89%
33	Primary metals industries	505,989	42%↓	8%
34	Fabricated metals products, except machinery and components made from fabrics and other similar products	53,417	44%↓	1%
28	Chemicals	49,003	52%↓	1%
36	Electronic and other electrical equipment and components	36,139	1%↑	1%
30	Rubber and miscellaneous plastic products	18,072	6%↓	<1%
Multiple Codes 20-39	Facilities performing more than one type of industry within the same facility	10,082	407%↑	<1%
35	Industrial and commercial machinery and computer equipment	3,656	88%↓	<1%

Table 3.10 (cont'd)
Top 10 Industries
Total Transfers Off-Site for Disposal (lb/yr)
Colorado TRI 2001

Industry (SIC Code)	Industry Description	Total Transfers Off-Site for Disposal (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Transfers Off-Site for Disposal
32	Stone, clay, glass, and concrete products	2,948	44%↓	<1%
38	Measuring, analyzing, and controlling instruments, photographic, medical and optical goods, watches and clocks	1,717	295%↑	<1%
Total		6,466,459	2%↑	

Table 3.11
Top 10 Facilities
Transfers Off-Site for Disposal (lb/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Transfer Off-Site for Disposal (Pound/Year)	Change in Release 2000 to 2001	Contribution to Total Transfers Off-Site for Disposal
*Tri-State Generation & Transmission - Craig Station, Craig	4911	2,391,112	8%↓	37%
*Public Service Co. of Colorado Cherokee Station, Denver	4911	1,239,789	44%↑	19%
*Public Service Co. of Colorado Pawnee Station, Brush	4911	851,437	107%↑	13%
*CF&I Steel L.P. (DBA Rocky Mountain Steel Mills), Pueblo	3312	505,652	42%↓	8%
*Martin Drake Power Plant, Colorado Springs	4911	469,759	1%↓	7%
*Public Service Co. of Colorado Arapahoe Station, Denver	4911	373,599	7%↓	6%
*Public Service Co. of Colorado Comanche Station, Pueblo	4911	243,877	17%↑	4%
*Trigen-Nations Energy Co. L.L.L.P., Golden	4939	99,948	1%↓	2%
**Aquila Inc., W.N. Clark Station, Canon City	-	82,824	14%↓	1%
*Chemical & Metal Inds. Inc., Denver	2819	38,700	42%↓	1%
Totals for all Colorado Facilities:		**6,466,459**	2%↑	

"*" Indicates that the facility ranked in the top ten for transfers off-site to disposal in 2000.
"**" Aquila Inc.is formerly Utilicorp United W.N. Clark Station, Canon City.

Table 3.12
Top 10 Chemicals
Total Transfers Off-Site for Disposal (lb/yr)
Colorado TRI 2001

Chemical	Total Transfers Off-Site for Disposal (Pound/Year)	Primary Contributor (Facility Name, City)
Barium Compounds	4,905,247	Tri-State Generation & Transmission - Craig Station, Craig
Manganese Compounds	481,387	Tri-State Generation & Transmission - Craig Station, Craig
Zinc Compounds	480,743	CF&I Steel L.P. (DBA Rocky Mountain Steel Mills), Pueblo
Vanadium Compounds	205,180	Tri-State Generation & Transmission - Craig Station, Craig
Lead Compounds	107,009	Tri-State Generation & Transmission - Craig Station, Craig
Copper Compounds	61,086	Tri-State Generation & Transmission - Craig Station, Craig
Antimony Compounds	38,700	Chemical & Metal Inds. Inc., Denver
Chromium Compounds	36,110	Tri-State Generation & Transmission - Craig Station, Craig
Nickel Compounds	27,196	Tri-State Generation & Transmission - Craig Station, Craig
Lead	20,289	Sanmina – SCI Corp., Plant 12, Colorado Springs
Totals for all Colorado Facilities:	**6,466,459**	

As shown in Tables 3.10, electric power plants reported the majority of chemical transfers off-site for disposal in Colorado. Coal burning electric power plants generate ash as a product of combustion (see Section 2.2). This ash often is sent off-site to landfills, returned to the coal mine for disposal, or sold to the construction industry for use as aggregate in road construction. The TRI chemicals contained in the ash are then reported as "transfers off-site for disposal." It should be noted that ash may also be used as a raw material for production of concrete. As a commercial raw material, this use is not reported to the TRI.

SECTION 4 - TRI PBT ANALYSIS

4.0 PBT OVERVIEW

For reporting year 2000 and beyond, USEPA established substantially lower reporting thresholds for select persistent, bioaccumulative, toxic (PBT) chemicals. PBT chemicals are of concern because they remain in the environment for long periods of time; build up or accumulate in the body tissues of humans and animals; and have known toxic effects. USEPA believed that the previous reporting thresholds were inadequate to ensure that the public had access to important information about the quantities of PBT chemicals released to the environment or transferred in the community. With new reporting thresholds for PBT chemicals lowered to either 100 pounds, 10 pounds, or in the case of the dioxin and dioxin-like compounds chemical category, to 0.1 gram, the public is provided greater access to environmental data regarding these chemicals.

Beginning with reporting year 2001 and beyond, USEPA also reduced the reporting threshold for lead and lead compounds. The reporting threshold for lead and lead compounds was reduced to 100 pounds from the previous 25,000 pounds for "manufactured and processed" and 10,000 pound for "otherwise used" thresholds, except for lead contained in stainless steel, brass, or bronze alloys. The lowered reporting threshold results in more facilities reporting this PBT chemical.

The PBT chemicals and chemical categories listed below are currently subject to low reporting thresholds under the TRI. The number shown in parenthesis is the reporting threshold.

PBT Chemical Categories

Dioxin and dioxin-like compounds (0.1 grams)
Lead compounds (100 pounds)
Mercury compounds (10 pounds)
Polycyclic aromatic compounds (PACs) (100 pounds)

PBT Chemicals

Aldrin (100 pounds)	Octachlorostyrene (10 pounds)
Benzo(g,h,i) perylene (10 pounds)	Pendimethalin (100 pounds)
Chlordane (10 pounds)	Pentachlorobenzene (10 pounds)
Heptachlor (10 pounds)	Polychlorinated biphenyl (PCBs) (10 pounds)
Hexachlorobenzene (10 pounds)	Tetrabromobisphenol A (100 pounds)
Isodrin (10 pounds)	Toxaphene (10 pounds)
Lead (100 pounds)	
Mercury (10 pounds)	Trifluralin (100 pounds)
Methoxychlor (100 pounds)	

PBT chemicals and chemical categories reported as released by Colorado facilities in 2001 include: benzo(g,h,i)perylene; dioxin and dioxin-like compounds; lead and lead compounds; mercury and mercury compounds; and PACs. PBT chemicals released in Colorado in 2001 are described in more detail in the following subsections.

4.1 BENZO(G,H,I)PERYLENE

Benzo(g,h,i)perylene is a polycyclic aromatic compound (PAC) that is reported separately from the PAC category. The reporting threshold for PACs is 100 lb/yr, while the reporting threshold for benzo(g,h,i)perylene is 10 lb/yr.

Two Colorado facilities reported releases of benzo(g,h,i)perylene. These facilities are listed in Table 4.1.

Table 4.1
All Reporting Facilities
Releases of Benzo(g,h,i)perylene (lb/yr)
Colorado TRI

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Change in Total Release 2000 to 2001	Contribution to Total Benzo(g,h,i)-perylene Releases
Conoco Denver Refy., Commerce City	2911	26	0	0	2	28	3%↓	97%
Owens Corning, Denver	2952	0	0	0	1	1	50%↓	3%
Totals for all Colorado Facilities:		**26**	**0**	**0**	**3**	**29**	**12%↓**	

4.2 DIOXIN AND DIOXIN-LIKE COMPOUNDS

The TRI *Dioxin and Dioxin-Like Compounds* category includes 17 specific compounds. Dioxins are naturally produced from the incomplete combustion of organic material by forest fires or volcanic activity. Dioxins are not intentionally manufactured by industry, except in small amounts for research purposes. They currently are released into the air in emissions from oil or coal-burning power plants, municipal solid waste and industrial incinerators, exhaust from vehicles powered with gasoline and diesel fuel, the burning of chlorinated compounds such as PCBs, and cigarette smoke.

Dioxins have been characterized by USEPA as likely to be human carcinogens at relatively low concentrations. While the reporting threshold for all other PBT chemicals is either 10 pounds or 100 pounds, the reporting threshold for the dioxin and dioxin-like compounds chemical category is 0.1 gram.

A total of 15 Colorado facilities reported releases of dioxin and dioxin-like compounds. These facilities are listed in Table 4.2.

Table 4.2
All Reporting Facilities
Releases of Dioxin and Dioxin-Like Compounds (grams/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Change in Total Release 2000 to 2001	Contribution to Total Dioxin and Dioxin-Like Compounds Releases
Nichols Aluminum Golden, Ft. Lupton	3353	0.5	0	0	6.9	7.4	NA	58%
Tri-State Generation & Transmission - Craig Station, Craig	4911	0.9	0	0	0	0.9	65%↓	7%
Martin Drake Power Plant, Colorado Springs	4911	0.8	0	0	0	0.8	13%↑	6%
Ray D. Nixon Power Plant, Fountain	4911	0.7	0	0	0	0.7	1%↑	5%
Trigen-Nations Energy Co. L.L.L.P., Golden	4939	0.5	0	0	0	0.5	5%↓	4%
Cripple Creek & Victor Gold Mining Co., Victor	1041	0.4	0	0	0	0.4	29%↑	3%
Public Service Co. of Colorado Cherokee Station, Denver	4911	0.4	0	0	0	0.4	3%↑	3%
Public Service Co. of Colorado Comanche Station, Pueblo	4911	0.3	0	0	0	0.3	12%↓	2%

Table 4.2 (cont'd)
All Reporting Facilities
Releases of Dioxin and Dioxin-Like Compounds (grams/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Change in Total Release 2000 to 2001	Contribution to Total Dioxin and Dioxin-Like Compounds Releases
Rawhide Energy Station, Wellington	4911	0.3	0	0	0	0.3	73%↓	2%
Public Service Co. of Colorado Pawnee Station, Brush	4911	0.3	0	0	0	0.3	3%↑	2%
Public Service Co. of Colorado Hayden Station, Hayden	4911	0.3	0	0	0	0.3	20%↑	2%
Holcim US Inc. Portland Plant, Florence	3241	0.2	0	0	0	0.2	NA	2%
Public Service Co. of Colorado Arapahoe Station, Denver	4911	0.1	0	0	0	0.1	47%↓	1%
Cemex Inc., Lyons Cement Plant, Lyons	3241	0.1	0	0	0	0.1	0%	1%
Conoco Denver Refy., Commerce City	2911	0.01	0.08	0	0	0.08	14%↑	1%
Totals for all Colorado Facilities:		**5.8**	**0.08**	**0**	**6.9**	**12.8**	**54%↑**	

NA = Facility did not report dioxin and dioxin-like compounds in 2000.

As shown in Table 4.2, total releases of dioxin and dioxin-like compounds increased 54 percent in Colorado. This increase is primarily due to the first-time reporting of dioxin and dioxin-like compounds by Nichols Aluminum Golden, Ft. Lupton. The majority of the chemical releases reported by Nichols Aluminum Golden were contained in lime bag-house dust. This dust is solidified and disposed in an industrial landfill with clay and sand membrane liners. The dioxin releases reported by Nichols Aluminum Golden were based on industry emission factors. The facility is currently analyzing the bag-house dust to obtain more accurate dioxin values. Other major releasers of dioxin and dioxin-like compounds were coal-burning utility plants which primarily released dioxin and dioxin-like compounds to the air.

4.3 LEAD AND LEAD COMPOUNDS

Lead is a naturally occurring bluish-gray metal found in small amounts in the earth's crust. Lead most commonly occurs in nature as the mineral galena (lead sulfide), and rarely occurs in its elemental or pure form.

Lead is obtained for industrial use in one of two ways: either by primary production through mining of ores or secondary production through recycling.

Most of the lead ore mined in the United States comes from Alaska or the "lead belt" in southeast Missouri. Secondary production (from recycled material) surpasses primary output in the United States by a factor of three. Secondary lead smelters and refineries recover and refine metal from lead-bearing scrap materials and residues to produce lead and lead-alloy ingots, lead oxide, and lead pigments. This lead is primarily used in the construction of batteries, and also used in devices to shield x-rays, TV screens, ammunition, and metal products (solder and pipes).

Releases of lead to the air can result from the combustion of fuel that contains lead or lead compounds. Releases to surface water can result from the discharge of process water, or from area wash downs and tank cleanouts from processes in which lead or lead compounds are manufactured, processed, or otherwise used. Releases to land can result from dust or solid raw materials spilled during transfer or process operations.

Exposure to lead can affect almost every organ and system in your body. Adults exposed to lead can suffer difficulties during pregnancy, high blood pressure, nervous disorders, and memory and concentration problems. Children and developing fetuses are known to absorb lead more readily than adults, and, once in the body, lead is distributed to the blood, soft tissue, and bone. Children exposed to lead can suffer from damage to the brain and central nervous system.

For reporting year 2001 and beyond, lead and lead compounds have a reduced reporting threshold of 10 pounds down from the previous 25,000 pounds for "manufactured and processed" and 10,000 pounds for "other wise used" thresholds, except for lead contained in stainless steel, brass, or bronze alloys. Sixty-four Colorado facilities reported releases of lead and lead compounds in 2001. Facilities reporting releases of lead and lead compounds are summarized in Table 4.3.

Table 4.3
All Reporting Facilities
Releases of Lead and Lead Compounds (lb lead /yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Lead Compounds Releases
Cripple Creek & Victor Gold Mining Victor (LC)	1041	198	0	3,460,00	0	3,460,198	86%
Climax Molybdenum Co. Henderson Mill, Parshall (LC)	1061	32	0	274,000	0	274,032	7%

Table 4.3 (cont'd)
All Reporting Facilities
Releases of Lead and Lead Compounds (lb lead /yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Lead Compounds Releases
U.S. Army Fort Carson Range Facility, Fort Carson (L)	9711	905	0	50,583	0	51,488	1%
Tri-State Generation & Transmission - Craig Station, Craig (LC)	4911	240	0	10	30,500	30,750	1%
Trapper Mining Inc., Craig (LC)	1221	3	21	30,026	0	30,050	1%
Cf&I Steel L.P. (DBA Rocky Mountain Steel Mills), Pueblo (LC)	3312	2,830	0	200	21,550	24,580	1%
Public Service Co. Of Colorado Cherokee Station, Denver (LC)	4911	88	91	0	23,210	23,389	1%
Safety-Kleen (Deer Trail) Inc., Deer Trail (LC)	4953	106	0	17,938	0	18,044	<1%
Public Service Co. Of Colorado Hayden Station, Hayden (LC)	4911	67	0	14,457	4	14,528	<1%
Ray D. Nixon Power Plant, Fountain (LC)	4911	6	0	13,044	0	13,050	<1%
Asarco Inc. Globe Plant, Denver (LC)	2819	52	0	7,045	2,437	9,534	<1%
Martin Drake Power Plant, Colorado Springs (LC)	4911	9	0	0	8,609	8,618	<1%
Public Service Co. Of Colorado Pawnee Station, Brush (LC)	4911	33	0	1,775	6,213	8,021	<1%
Sanmina-Sci Corp. Plant 12, Colorado Springs (L)	3679	86	0	0	7,687	7,773	<1%
Public Service Co. Of Colorado Cameo Station, Palisade (LC)	4911	30	0	6,280	0	6,310	<1%
Tri-State Generation & Transmission - Nucla Station, Montrose (LC)	4911	31	2	0	5,400	5,433	<1%

Table 4.3 (cont'd)
All Reporting Facilities
Releases of Lead and Lead Compounds (lb lead /yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Lead Compounds Releases
Public Service Co. Of Colorado Comanche Station, Pueblo (LC)	4911	36	170	3,582	1,620	5,408	<1%
Public Service Co. Of Colorado Valmont Station, Boulder (LC)	4911	21	0	5,126	0	5,147	<1%
Optima Batteries Inc., Aurora (L)	3691	157	0	0	4,592	4,749	<1%
Rawhide Energy Station, Wellington (LC)	4911	47	0	4,696	0	4,743	<1%
Holcim U.S. Inc. Fort Collins Plant, Laporte (LC)	3241	967	0	3,130	0	4,096	<1%
Public Service Co. Of Colorado Arapahoe Station, Denver (LC)	4911	9	0	0	3,477	3,486	<1%
U.S. DOE Rocky Flats Environmental Tech. Site, Golden (L)	3489	2	0	0	3,108	3,111	<1%
Rocky Mountain Bottle Co., Wheat Ridge (L)	3221	29	0	0	2,900	2,929	<1%
Trigen-Nations Energy Co. L.L.L.P., Golden (LC)	4939	11	0	0	1,981	1,992	<1%
Cemex Inc. Lyons Cement Plant, Boulder (L)	3241	883	0	919	0	1,802	<1%
Aquila Inc. W.N. Clark Station, Canon City (LC)	4911	2	0	0	1,769	1,771	<1%
Celestica, Westminster (L)	3661	81	0	0	1,461	1,542	<1%
Western Sugar Co., Fort Morgan (L)	2063	19	0	276	0	295	<1%
Avx Corp., Colorado Springs (L)	No reported code	0	0	0	250	250	<1%
Nichols Aluminum Golden, Fort Lupton (LC)	3353	102	0	0	101	204	<1%
Holcim (Us) Inc., Florence (LC)	3241	69	0	20	0	89	<1%
Sanmina-Sci Corp. Plant 432, Fountain (L)	3679	86	0	0	0	86	<1%
Ir Schlage, Security (L)	3446	1	0	0	80	81	<1%

Table 4.3 (cont'd)
All Reporting Facilities
Releases of Lead and Lead Compounds (lb lead /yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Lead Compounds Releases
Hamilton Sundstrand, Denver (LC)	3724	10	0	0	58	68	<1%
Ametek / Dixson, Grand Junction (L)	3824	0	0	0	64	64	<1%
Celestica Corp., Fort Collins (L)	3672	0	0	0	60	60	<1%
Coretec Denver Inc., Littleton (L)	3672	1	0	47	1	48	<1%
Capco Inc., Grand Junction (LC)	3499	0	0	0	37	37	<1%
Weatherford Artificial Lift Sys., Colorado Springs (L)	3533	0	0	0	35	35	<1%
Conoco Denver Refy. Commerce City (LC)	2911	2	2	0	17	22	<1%
U.S. Department Of The Treasury U.S. Mint, Denver (L)	3469	0	0	0	19	20	<1%
Unicircuit Inc., Littleton (L)	3679	5	0	0	15	20	<1%
Advanced Energy Inds., Fort Collins (L)	3679	13	0	0	4	17	<1%
North American Galvanizing Co., Commerce City (L)	3479	10	0	0	6	16	<1%
Lp Montrose Osb, Olathe (L)	2493	15	0	0	0	15	<1%
Brite-Line Techs, Denver (LC)	3069	1	0	0	12	12	<1%
Circuit Images, Boulder (LC)	3672	10	0	0	1	11	<1%
Transpro Inc., Denver (L)	3714	10	0	0	0	10	<1%
Phillips Pipe Line Co. Denver Terminal, Commerce City (LC)	5171	10	0	0	0	10	<1%
Colorado Refining Co., Commerce City[a] (L)	2911	9	0	0	0	9	<1%
Hach Co., Loveland (L)	3826	4	0	0	3	7	<1%
SAE Circuits Colorado Inc., Boulder (L)	3672	4	0	0	2	6	<1%

Table 4.3 (cont'd)
All Reporting Facilities
Releases of Lead and Lead Compounds (lb lead /yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Contribution to Total Lead Compounds Releases
Sinclair Oil Corp. Denver Prods. Terminal, Henderson (LC)	5171	0	0	0	5	5	<1%
Ranch Mfg. Co., Lamar (L)	3715	0	0	4	0	4	<1%
Ricker Bartlett Inc. (Dba Michael Ricker Pewter), Estes Park (LC)	3369	0	0	0	4	4	<1%
Climax Molybdenum Co. Henderson Mine, Empire (LC)	1061	3	1	0	0	3	<1%
Advanced Circuits, Aurora (LC)	3672	0	0	0	3	3	<1%
Bowie No. 2 Mine, Paonia (LC)	1222	2	0	0	1	3	<1%
Colorado Paint Co., Denver (L)	2851	1	0	0	1	2	<1%
Aeroflex Utmc Microelectronic Sys., Colorado Springs (L)	3674	2	0	0	0	2	<1%
Modine Aftermarket Holdings Inc., Denver (L)	3714	1	0	0	0	1	<1%
Colowyo Coal Co. L.P., Meeker (LC)	1221	0	0	1	0	1	<1%
Unit Train Loadout, Paonia (LC)	1222	1	0	0	0	1	<1%
Totals for all Colorado Facilities:		**7,352**	**287**	**433,159**	**127,297**	**4,028,095**	

(L) = Facility reported lead.
(LC) = Facility reported lead-compounds.
[a] The lead releases reported by Colorado Refining Co., Commerce City reflect a reporting correction made by the facility. This correction has not yet been made in the USEPA TRI database.

As shown in Table 4.3, Cripple Creek & Victor Gold Mining Co., Victor, reported 86 percent of all releases of lead and lead compounds in Colorado in 2001. The majority of this lead is contained in waste rock disposed of at the mining site. The second largest releaser of lead and lead compounds was Climax Molybdenum

(7 percent), which disposes of sludge (containing lead) generated from on-site groundwater treatment. U.S. Army Fort Carson Range Facility reported on-site releases of lead resulting from the testing and use of small arms munitions at the firing range on base.

Lead released directly to air is eventually deposited to land and water. CF&I Steel L.P. (formerly Rocky Mountain Steel Mills) in Pueblo reported a total of 2,830 pounds of lead compounds released to air, or nearly 40 percent of all lead released to air in Colorado. CF&I Steel is a steel manufacturing foundry that produces steel wire, seamless steel tube, and steel rail, along with other associated steel products.

Other major releasers of lead and lead compounds included coal-burning utility plants which primarily released lead compounds to the air and disposed of lead compound in waste ash.

4.4 MERCURY AND MERCURY COMPOUNDS

Mercury and mercury compounds may be present as trace constituents in raw materials such chemicals, metal ores (copper, lead, zinc, gold, and silver), coal, oil, or wood that are processed or otherwise used by a facility. In addition, some facilities recover liquid mercury from dismantled equipment, or recover mercury from scrap and industrial wastes using a thermal or chemical extractive process. Other facilities incorporate mercury into final products such as lamps, switches, and batteries.

Human exposure to mercury has been linked to nervous system, kidney, liver and lung damage, increased blood pressure, impaired childhood development, and cancer. Due to its toxicity, mercury remains among the highest priority toxics for USEPA reduction and elimination efforts. Methyl mercury collects in fish tissue, making fish consumption a predominant exposure pathway for humans and wildlife. Fish consumption advisories are in effect for mercury in several lakes and rivers of Colorado.

Twenty-four Colorado facilities reported releases of mercury and mercury compounds in 2001. Facilities reporting releases of mercury and mercury compounds are summarized in Tables 4.4.

Table 4.4
All Reporting Facilities
Releases of Mercury Compounds (lb/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Change in Total Release 2000 to 2001	Contribution to Mercury Compound Releases
Cripple Creek & Victor Gold Mining Co., Victor (MC)	1041	29	0	1,110	0	1,139	25%↑	33%
CF&I Steel L.P. (DBA Rocky Mountain Steel Mills), Pueblo (M)	3312	336	0	0	2	338	2%↓	10%
Public Service Co. of Colorado Pawnee Station, Brush (MC)	4911	23	0	62	224	309	34%↑	9%
Tri-State Generation & Transmission - Craig Station, Craig (MC)	4911	120	0	0	107	227	4%↓	7%
Public Service Co. of Colorado Comanche Station, Pueblo (MC)	4911	20	2	125	57	204	7%↑	6%
Safety-Kleen Inc., Deer Trail (M)	4953	1	0	200	0	201	62%↓	6%
Public Service Co. of Colorado Cherokee Station, Denver (MC)	4911	10	0	0	139	149	51%↑	4%
Public Service Co. of Colorado Arapahoe Station, Denver (MC)	4911	14	0	0	122	136	45%↑	4%
Ray D. Nixon Power Plant, Fountain (M)	4911	22	0	108	0	130	NA	4%
Public Service Co. of Colorado Hayden Station, Hayden (MC)	4911	8	0	99	0	107	11%↑	3%
Trapper Mining Inc., Craig (MC)	1221	0	0	107	0	107	1%↓	3%
Rawhide Energy Station, Wellington (MC)	4911	70	0	24	0	94	8%↑	3%
Holcim US Inc. Portland Plant, Florence (MC)	3241	59	0	20	0	79	182%↑	2%
Martin Drake Power Plant, El Paso (M)	4911	20	0	0	51	70	NA	2%
Tri-State Generation & Transmission – Nucla Station, Montrose (MC)	4911	41	0	0	9	50	0%	1%
Public Service Co. of Colorado Valmont Station, Boulder (MC)	4911	2	0	38	0	40	13%↓	1%

Table 4.4
All Reporting Facilities
Releases of Mercury Compounds (lb/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Change in Total Release 2000 to 2001	Contribution to Mercury Compound Releases
Trigen-Nations Energy Co. LLLP., Golden (MC)	4939		0	0	17	20	5%↓	1%
Public Service Co. of Colorado Cameo Station, Palisade (MC)	4911	1	0	14	0	15	17%↓	<1%
Cemex Inc Lyons Cement Plant, Lyons (M)	3241	12	0	1	0	13	13%↓	<1%
Rocky Mountain Bottle Co., Wheat Ridge (M)	3221	12	0	0	0	12	9%↑	<1%
Holcim US Inc., Fort Collins Plant, LaPorte (MC)	3241	12	0	3	0	15	46%↓	<1%
Aquila Inc., Canon City (MC)	4911	2	0	0	0	11	8%↓	<1%
Conoco Denver Refinery, Commerce City (MC)	2911	3	0	0	0	3	91%↓	<1%
Great Western Inorganics Inc., Arvada (M)	2819	0	0	0	0	0	100%↓	<1%
Totals for all Colorado Facilities[1]:		**817**	**2**	**1,911**	**782**	**3,469**	**<1%↓**	

(M) = Facility reported mercury.
(MC) = Facility reported mercury-compounds.
NA = Facility did not report mercury or mercury-compounds in 2000.

Overall, reported mercury releases in Colorado decreased less than one percent between 2000 and 2001 (Table 4.4). Reported mercury releases to air decreased from 912 pounds to 817 pounds, releases to land decreased from 2,046 pounds to 1,911 pounds, transfers off-site to disposal increased from 522 pounds to 736 pounds, and releases to surface water remained the same.

Cripple Creek & Victor Gold Mining Co., Victor, reported 33 percent of all mercury and mercury compound releases in Colorado in 2001 (Table 4.4). The majority of this mercury is contained in waste rock disposed of at the mining site.

Mercury released directly to air is eventually deposited to land and water. CF&I Steel L.P. (formerly Rocky Mountain Steel Mills) in Pueblo reported a total of 336 pounds of mercury released to air, or over 40 percent of all mercury released to air in Colorado. CF&I Steel is a steel manufacturing foundry that produces

steel wire, seamless steel tube, and steel rail, along with other associated steel products.

Other major releasers of mercury compounds were coal-burning utility plants which primarily released mercury compounds to the air and disposed of mercury compounds in waste ash.

4.5 POLYCYCLIC AROMATIC COMPOUNDS

The TRI *Polycyclic Aromatic Compounds (PAC)* category includes 21 chemicals. Most of the PACs are formed during the incomplete burning of coal, oil and gas, garbage, or some organic substances. Byproducts of coal processing and petroleum refining, such as heavy oils, crude tars, coal tars, coal distillates and residues are likely to contain significant quantities of PACs. These byproducts are themselves often used in other industrial processes. Various fractions distilled from tars and pitches can be used to produce chemicals such as benzene, toluene, xylene, phenols, creosols, and naphthalene. Pitches can be processed to make asphalt roofing and road surfacing material. Tars and pitches can be used in wood manufacturing and in the manufacture of carbon black, tar epoxy coatings, and hydrocarbon resins. Coal tar pitch used at smelting facilities may also contain PACs.

Animal studies have also shown that PACs can cause harmful effects on the skin, body fluids, reproductive system, and ability to fight disease after both short- and long-term exposure. But these effects have not been seen in people. The United States Department of Health and Human Services (US DHHS) has determined that some PACs may cause cancer.

Fourteen Colorado facilities reported releases of PACs. These facilities are summarized in Table 4.5.

Table 4.5
All Reporting Facilities
Releases of Polycyclic Aromatic Compounds (PACs) (lb/yr)
Colorado TRI 2001

Facility Name, City	Primary SIC Code	Total Releases to Air	Total Releases to Surface Water	Total Releases to On-Site Land	Total Transfers Off-Site for Disposal	Total Releases	Change in Total Release 2000 to 2001	Contribution to Total PAC Releases
Conoco Denver Refy., Commerce City	2911	287	5	0	16	308	1%↑	87%
Public Service Co. Of Colorado Comanche Station, Pueblo	4911	11	0	0	0	11	38%↑	3%
Public Service Co. Of Colorado Hayden Station, Hayden	4911	8	0	0	0	8	33%↑	2%
Kopper Inds., Denver	2491	7	1	0	0	7	96%↓	2%
Tri-State Generation & Transmission - Craig Station, Craig	4911	4	0	0	0	4	20%↓	1%
Public Service Co. Of Colorado Cherokee Station, Denver	4911	4	0	0	0	4	50%↓	1%
Owens Corning, Denver	2952	2	0	0	1	3	57%↓	1%
Public Service Co. Of Colorado Arapahoe Station, Denver	4911	3	0	0	0	3	0%	1%
Public Service Co. Of Colorado Pawnee Station, Brush	4911	2	0	0	0	2	71%↓	1%
Public Service Co. Of Colorado Valmont Station, Boulder	4911	2	0	0	0	2	0%	1%
Public Service Co. Of Colorado Cameo Station, Palisade	4911	1	0	0	0	1	0%	<1%
Gun Club Asphalt Plant, Aurora	3273	1	0	0	0	1	NA	<1%
Koch Performance Asphalt, Grand Junction	2951	0	0	0	1	1	NA	<1%
Owens Korning Trumbull Asphalt, Denver	2952	0	0	0	1	1	NA	<1%
Totals for all Colorado Facilities:		**332**	**6**	**0**	**19**	**356**	**38%↓**	

NA = Facility did not report PAC releases in 2000.

Conoco Denver Refinery, a petroleum refinery in Commerce City, reported 87 percent of all PAC emissions in Colorado in 2001, while electric utilities reported

the majority of the remaining PAC releases (Table 4.5). The majority of PAC releases were releases to air.

SECTION 5 - WASTE MANAGEMENT ACTIVITIES

5.0 WASTE MANAGEMENT OVERVIEW

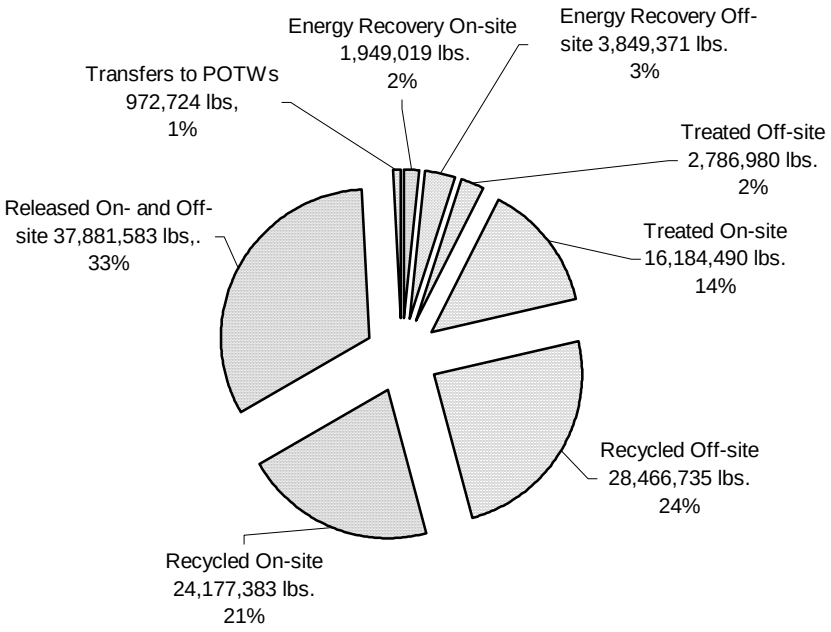
In 1990, Congress passed the Pollution Prevention Act (PPA), establishing a hierarchy of preferred waste management options. As set forth in the PPA, source reduction (i.e., preventing waste from being generated in the first place) is the preferred approach to managing waste. Following source reduction, the waste management options in order of preference are:

- Recycling,
- Energy recovery,
- Treatment, and
- Disposal (i.e., on-site and off-site release).

Facilities realize substantial savings in waste management by recycling, thereby reducing the need for costly treatment and disposal of waste. Facilities participating in recycling activities contribute to the conservation of energy and natural resources in our environment. Next on the hierarchy is energy recovery, which shares a role in conserving energy and natural resources but also contributes to treatment of the waste, the third option. Treatment (e.g., incinerator combustion) of the waste is preferable only to disposal. The TRI distinguishes treatment of chemicals in wastewater at POTWs from other treatment options.

For reporting year 2001, a total of 115,295,561 pounds of TRI chemicals were managed in Colorado. The distribution of waste management activities employed by Colorado facilities in 2001 is presented in Figure 5.1. Data regarding TRI chemical disposal (on- and off-site release) were presented in Sections 2 and 3 and are included in Figure 5.1 for comparison purposes.

Figure 5.1
Colorado TRI 2001
Waste Management Activities



As shown in Figure 5.1, approximately 45 percent of the TRI chemicals managed in Colorado were recycled, approximately 5 percent were destroyed in energy recovery, 16 percent were destroyed in treatment operations, and one percent were treated and disposed through POTWs. Approximately 33 percent of the TRI chemicals managed in Colorado were released on- or off-site.

Only a handful of facilities were responsible for nearly all of the waste handled through preferable management options (excluding source reduction) in Colorado. Leading TRI facilities in waste management are as follows:

- **Recycling On-Site:** Intertape Polymer Group, Brighton (14,000,000 lbs) and Colorado Refining Co., Commerce City (8,412,687 lbs) account for 93 percent of the TRI chemicals recycled on-site in Colorado.

- **Recycling Off-Site:** The U.S. Mint, Denver (12,211,688 lbs); CF&I Steel L.P., Pueblo (6,251,133 lbs); Optima Batteries Inc., Aurora (3,007,072 lbs); and Denver Refined Products, Commerce City (2,473,027 lbs) account for over 84 percent of the TRI chemicals recycled off-site in Colorado.

- **Energy Recovery On-Site:** Goodrich Carbon Products, Pueblo (1,439,209 lbs) and Nichols Aluminum Golden, Fort Lupton (509,810 lbs) account for 100 percent of the TRI chemicals destroyed in on-site energy recovery operations.

- **Energy Recovery Off-Site:** Roche Colorado Corp., Boulder (2,654,000 lbs) and Onyx Environmental Services L.L.C., Henderson (850,914 lbs) account for over 90 percent of the TRI chemicals destroyed in off-site energy recovery operations.

- **Treatment On-Site:** Excel Corp., Fort Morgan (2,662,789 lbs); Leprino Foods (1,938,654 lbs); Tri-State Generation, Craig (1,682,601 lbs) and Kodak Colorado Division, Windsor (1,138,220 lbs) account for 46 percent of all TRI chemicals destroyed in on-site treatment operations. (Fifty-two other facilities perform on-site treatment to a lesser extent.)

- **Treatment Off-Site:** Roche Colorado Corp., Boulder (585,606 lbs); Boulder Scientific Co., Mead (517,435 lbs); Ashland Specialty Chemical Co., Pueblo (450,841 lbs); and Kodak Polychrome Graphics, Windsor (391,077 lbs); account for 70 percent of the TRI chemicals destroyed in off-site treatment operations.

- **Transfer to POTWs:** Ashland Specialty Chemical Co., Pueblo (450,841 lbs); Wright & McGill Co., Denver (143,500 lbs); National By-Products Inc, Denver (101,118 lbs); and Atmel Corp., Colorado Springs (93,315 lbs) account for over 80 percent of the TRI chemicals treated and disposed through POTWs.

SECTION 6 - POLLUTION PREVENTION/ ENVIRONMENTAL LEADERSHIP

6.0 POLLUTION PREVENTION/ENVIRONMENTAL LEADERSHIP OVERVIEW

The CDPHE Pollution Prevention and Environmental Leadership Programs, located within the CDPHE Sustainability Program, support and promote pollution prevention, innovation, and environmental leadership in Colorado. The goals and services of both programs are described below.

6.1 POLLUTION PREVENTION

The Federal Pollution Prevention Act of 1990 established pollution prevention (P2) as a public policy of the United States. Through the Pollution Prevention Act of 1992 (PPA), the State of Colorado also established P2 as public policy, declaring: "the state policy of Colorado shall be that pollution prevention is the environmental tool of first choice."

The P2 Program at CDPHE is dedicated to implementing the PPA and promoting long-term process improvements and best management practices that reduce or eliminate waste before it is generated in household, commercial and industrial scenarios. The responsibilities of the P2 program staff include:

- Collecting and evaluating information on toxic chemical use reduction and waste reduction through the TRI;
- Providing outreach and technical assistance on P2 and sustainability concepts to CDPHE, businesses, the regulated community, and the public; and
- Promoting and supporting strategic, innovative, and cost-effective efforts to develop and implement P2 and sustainable business practices in Colorado.

The P2 Program maintains a clearinghouse of resources and guidance materials specific to all industrial sectors and most business activities. Free P2 and energy efficient assessments can be scheduled through the P2 Program staff. The program's consultation and assistance is a free, non-regulatory service.

Contact Information:

For addition information on the TRI 2000 data for Colorado, TRI reporting requirements, or to learn more about the CDPHE P2 Program services, contact:

Margo Griffin
Pollution Prevention Specialist
303-692-2979
margo.griffin@state.co.us

OR

Kirk Mills
Pollution Prevention Engineer
303-692-2977
kirk.mills@state.co.us

Or fax us at 303-782-4969

Colorado Pollution Prevention Act of 1992

"The state policy of Colorado shall be that pollution prevention is the environmental tool of first choice."

6.2 ENVIRONMENTAL LEADERSHIP PROGRAM

The Colorado Environmental Leadership Program (ELP) was established by the Colorado legislature (House Bill 98-1058) in 1998. The ELP is an innovative new program through which the CDPHE is providing incentives for those it regulates to go beyond basic compliance with environmental rules and regulations. The ELP is a voluntary effort that provides an opportunity to:

- Improve and enhance the environmental quality of the Colorado;
- Encourage pollution prevention through incentives for going beyond minimum regulatory requirements; and
- Develop collaborative relationships with Colorado entities.

The Colorado ELP offers Gold and Silver Member awards as described below. Nomination and application forms for both awards are available online at http://www.cdphe.state.co.us/el/elphom.asp.

Gold Member

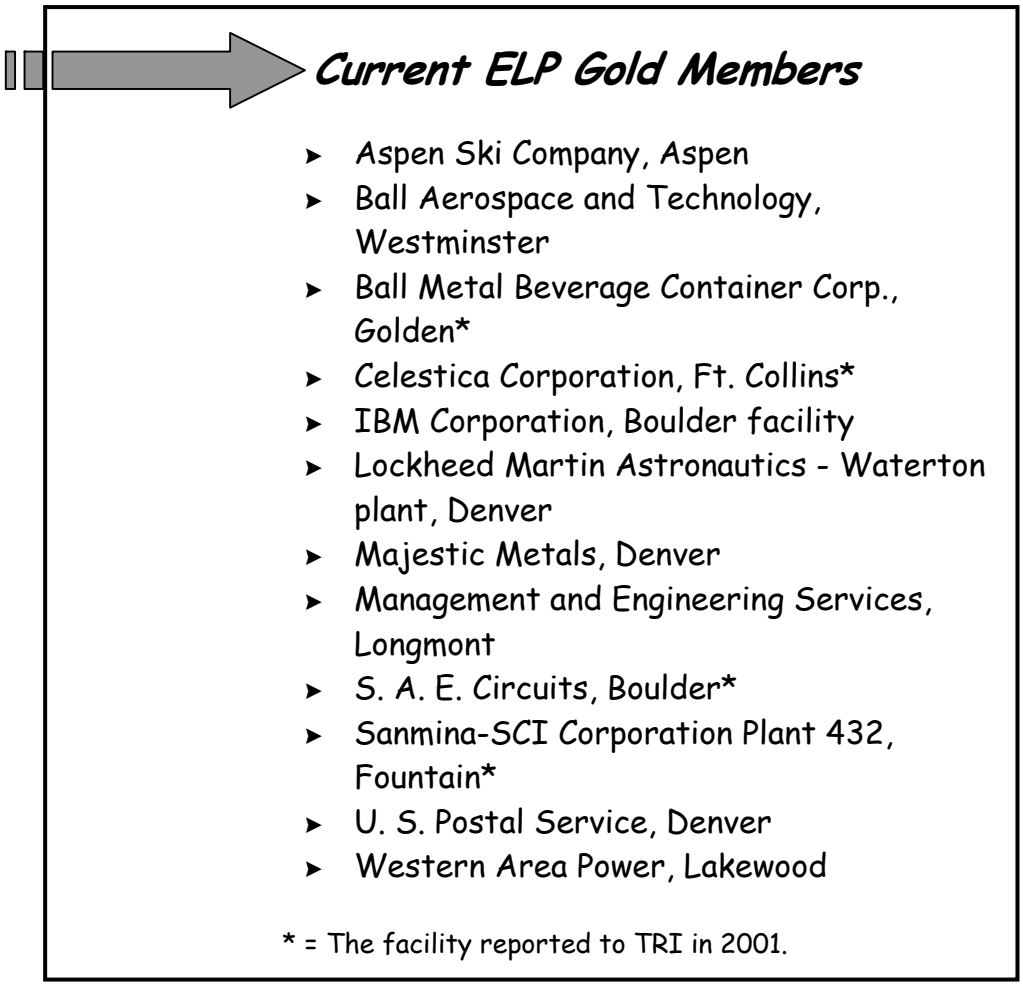
The ELP Gold Member award is designed to recognize companies, municipalities and organizations that have implemented a comprehensive environmental management system (EMS) and have made significant P2 achievements. CDPHE and the USEPA have teamed together to align the Colorado ELP and USEPA's Performance Track Program. This allows companies, municipalities and other organization to apply to one or both programs with one application and one annual report while receiving the benefits of both programs. The requirements of the programs include:

- A Functioning EMS. The management system must undergo least one review cycle (certification in not required); and
- A Good Compliance Record. The Colorado ELP requires three years of good environmental compliance. The EPA Performance Track Program requires five years of good compliance.

The potential benefits to recipients of this award include:

- Recognition at the state and/or federal level;
- Use of the Performance Track and Colorado ELP logos;
- Reduced inspection frequency; and
- Reduced pollution emission fees.

The term of membership is three years. Current ELP Gold Members are listed below.



Ball Metal Beverage Container Corp., Golden; Celestica Corporation, Ft. Collins; S.A.E. Circuits, Boulder; and Sanmina-SCI Corporation Plant 432, Fountain are ELP Gold Members that also report to TRI. Notable accomplishments of these companies are highlighted below:

- Ball Metal Beverage Container Corp., Golden is a manufacture of both aluminum cans and ends that are used as packages for the beverage industry. In 1999, a one million dollar Regenerative Thermal Oxidizer was voluntarily installed at the facility. This piece of control equipment destroys approximately 97 percent of the chemicals the company reports to the TRI, in addition to other volatile organic compound (VOC) emissions. As part of the company's long term strategic plan, Ball Metal Beverage Container Corp. will continue to reduce emissions and waste and actively look for ways to improve current processes that result in cleaner air and water and a better environment.

- Celestica Corporation provides the electronics manufacturing industry with printed circuit boards, systems assembly and electronic testing

services. The foundation of Celestica's environmental commitment is waste reduction. Currently, Celestica recycles more than 75 percent of its solid waste each year. Recycled products include materials such as polystyrene, corrugated cardboard, paper, glass, aluminum cans and precious metals/lead. Some of the other accomplishments for the Celestica Corporation include: reducing emissions of hazardous air pollutants by 99 percent; purchasing Energy Star-certified computer systems; employee participation in the incentive-based "Smart Trips" alternative transportation program offered by the City of Fort Collins; decreasing the output of hazardous waste through reuse, recycling and chemical changes to qualify for small-quantity generator status; and reducing overall emissions of volatile organic compounds by 50 percent since 2000.

- SAE Circuits Colorado, Inc., is a printed circuit-board manufacturer located in Boulder. The reuse or recycling of materials is the first consideration prior to disposal. Some of the environmental achievements that SAE Circuits has voluntarily elected to pursue include: lowering water usage by 3,500,000 gallon/year while still increasing production and adding new processes; recycling all hazardous and most domestic wastes directly or through fuel blending (waste-to-energy processes); installation of a ion exchange system for wastewater treatment, eliminating the need for chemical additions in waste treatment and allowing for reclamation of 120 gallons of copper solution per week; and use of alkaline spent chemistries in the pH adjustment tank for the ion exchange system, saving 600-700 gallons per year of spent chemistry that would otherwise be a waste product.

- Sanmina-SCI Plant 432 manufactures circuit boards in Fountain, Colorado. Sanmina-SCI's accomplishments include implementing a wastewater recycling system that recycles 100 percent of all wastewater from the in-line cleaner and initiating a contract to reclaim precious metal from solder paste, swabs, and wipes rather than sending metals to a hazardous waste landfill. Upcoming environmental goals for 2002 include reducing the generation of hazardous waste by 10 percent; reducing energy consumption by 20 percent; reducing sanitary waste generation by 20 percent; reducing air emissions by five tons; and reducing water use and wastewater generation by 20 percent and 50 percent respectively.

Silver Member

The ELP Silver Member Achievement Award is designed to recognize businesses, municipalities, and others that have made significant achievements in improving the environment of Colorado by:

- Improving air quality;
- Improving water quality;
- Reducing water usage;
- Reducing waste;
- Reducing energy usage;
- Energy Star achievements;
- Pollution prevention actions; and
- Other innovative measures that benefit Colorado's environment.

Recent recipients of the ELP Silver Medal Achievement Awards are as follows:

2003 – ROUND 2

- US Mix Corporation
- Eagle Valley Alliance for Sustainability
- The Environmental Center - Ft. Lewis College
- Colorado Department of Personnel and Administration

2003 – ROUND 1

- Aeroflex UTMC Microelectronic Systems
- Alcoa Packaging Machinery

- Belcaro Paint and Decorating Center, Inc.
- Burt Automotive Group
- Eco-Cycle
- Fagerberg Produce
- John Elway Auto Nation
- Mesa County Household Hazardous Waste Collection Facility
- Pueblo Bank and Trust
- Wagner Equipment Company

2002

- Alliance Farms
- Ball Metal Beverage Container Corp.
- Circuit Images
- Colorado Asphalt Pavement Association
- Environmental Demolition, Inc.
- James Company
- Jefferson County Emergency Management Division
- Metaltech Industries, Inc.
- Northeast Metro Pollution Prevention Alliance
- Rooney Road Recycling Center
- Waste-Not Recycling

Contact Information:

To learn more about the CDPHE ELP, contact:

Phyllis Woodford, ELP Coordinator
303-692-3477
Phyllis Woodford@state.co.us

SECTION 7 - REFERENCES

Colorado Department of Public Health and Environment (CDPHE). Air Pollution Control Division. 2000a. *A Technical Assessment Examining Climate Change and Colorado.* September 1998, updated November 2000.

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United States Environmental Protection Agency (USEPA). 2000. 1998 *Toxics Release Inventory Public Data Release.* EPA 745-R-00-007. September 2000.

United States Environmental Protection Agency (USEPA). 2002. *Consumer Factsheet on Nitrates/Nitrites.* May 2002.

APPENDIX A - TRI 2001, COLORADO TRI DATA SUMMARY

APPENDIX A
COLORADO TRI 2001 DATA SUMMARY

Facility Name	Street	City	County	Zip Code	Primary SIC Code	Chemical Name	Total Releases to Air	Total Releases to Surface Water	Total On-Site Releases to Land	Total Transfers Off-Site for Disposal	Total On-Site and Off-Site Releases
A. R. WILFLEY & SONS INC.	2763 BLAKE ST.	DENVER	DENVER	80205	3561	CHROMIUM	5	0	0	0	5
A. R. WILFLEY & SONS INC.	2763 BLAKE ST.	DENVER	DENVER	80205	3561	LEAD	0	0	0	0	0
A. R. WILFLEY & SONS INC.	2763 BLAKE ST.	DENVER	DENVER	80205	3561	NICKEL	5	0	0	0	5
ABC INDS. INC.	610 S. 12TH ST.	GRAND JUNCTION	MESA	81501	3083	METHYL METHACRYLATE	59,761	0	0	0	59,761
ABC INDS. INC.	610 S. 12TH ST.	GRAND JUNCTION	MESA	81501	3083	STYRENE	5,839	0	0	0	5,839
ADVANCED CIRCUITS	21100 E. 33RD DR.	AURORA	ADAMS	80011	3672	COPPER	0	0	0	780	780
ADVANCED ENERGY INDS.	4424 INNOVATION DR.	FORT COLLINS	LARIMER	80525	3679	LEAD	13	0	0	0	13
ADVANCED SURFACE TECHS. INC.	6155 W. 54TH AVE.	ARVADA	JEFFERSON	80002	3471	NITRIC ACID	490	0	0	0	490
AEROFLEX UTMC MICROELECTRONIC SYS.	4350 CENTENNIAL BLVD.	COLORADO SPRINGS	EL PASO	80907	3674	LEAD	2	0	0	0	2
AGILENT TECHS. INC.	4380 ZIEGLER RD.	FORT COLLINS	LARIMER	805259790	3674	ETHYLENE GLYCOL	129	0	0	0	129
AGILENT TECHS. INC.	4380 ZIEGLER RD.	FORT COLLINS	LARIMER	805259790	3674	HYDROGEN FLUORIDE	76	0	0	0	76
AIRCRAFT SEATING PRODS.	1275 NEWPORT RD. N.	COLORADO SPRINGS	EL PASO	809162779	3728	COPPER	69	0	0	1,272	1,341
AIRCRAFT SEATING PRODS.	1275 NEWPORT RD. N.	COLORADO SPRINGS	EL PASO	809162779	3728	NITRIC ACID	39	0	0	0	39
ALPHARMA INC.	1301 IOWA AVE.	LONGMONT	BOULDER	805016354	2834	TETRACYCLINE HYDROCHLORIDE	10	0	0	1,000	1,010
AMETEK / DIXSON	287 - 27 RD.	GRAND JUNCTION	MESA	81503	3824	LEAD	0	0	0	21	21
AMETEK / DIXSON	475 28-1/2 RD.	GRAND JUNCTION	MESA	81501	3824	LEAD	0	0	0	43	43
AQUILA INC. W.N. CLARK STATION	550 HWY. 50 W.	CANON CITY	FREMONT	81212	4911	BARIUM COMPOUNDS	80	0	0	81,046	81,126
AQUILA INC. W.N. CLARK STATION	550 HWY. 50 W.	CANON CITY	FREMONT	81212	4911	HYDROGEN FLUORIDE	26,150	0	0	0	26,150
AQUILA INC. W.N. CLARK STATION	550 HWY. 50 W.	CANON CITY	FREMONT	81212	4911	LEAD COMPOUNDS	2	0	0	1,769	1,771
AQUILA INC. W.N. CLARK STATION	550 HWY. 50 W.	CANON CITY	FREMONT	81212	4911	MERCURY COMPOUNDS	2	0	0	9	11
ASARCO INC. GLOBE PLANT	495 E. 51ST AVE.	DENVER	DENVER	802162098	2819	LEAD COMPOUNDS	52	0	7,045	2,433	9,530
ASHLAND DISTRIBUTION CO.	156 W. 56TH AVE.	DENVER	ADAMS	80216	5169	METHANOL	1,096	0	0	0	1,096
ASHLAND DISTRIBUTION CO.	156 W. 56TH AVE.	DENVER	ADAMS	80216	5169	N-HEXANE	766	0	0	0	766
ASHLAND DISTRIBUTION CO.	156 W. 56TH AVE.	DENVER	ADAMS	80216	5169	TOLUENE	378	0	0	0	378
ASHLAND SPECIALTY CHEMICAL CO.	250 WILLIAM WHITE BLVD.	PUEBLO	PUEBLO	81001	2819	AMMONIA	176	0	0	0	176
ASHLAND SPECIALTY CHEMICAL CO.	250 WILLIAM WHITE BLVD.	PUEBLO	PUEBLO	81001	2819	HYDROGEN FLUORIDE	14	0	0	0	14
ASHLAND SPECIALTY CHEMICAL CO.	250 WILLIAM WHITE BLVD.	PUEBLO	PUEBLO	81001	2819	NITRIC ACID	13	0	0	0	13
ATLAS ROOFING CORP. DENVER CO.	11020 LEROY DR.	NORTHGLENN	ADAMS	80233	3086	1,1-DICHLORO-1-FLUOROETHANE	24,066	0	0	10,498	34,564
ATLAS ROOFING CORP. DENVER CO.	11020 LEROY DR.	NORTHGLENN	ADAMS	80233	3086	DIISOCYANATES	2	0	0	0	2
ATMEL CORP.	1150 E. CHEYENNE MTN. BLVD.	COLORADO SPRINGS	EL PASO	80906	3674	AMMONIA	4,090	0	0	0	4,090
ATMEL CORP.	1150 E. CHEYENNE MTN. BLVD.	COLORADO SPRINGS	EL PASO	80906	3674	ETHYLENE GLYCOL	408	0	0	0	408
ATMEL CORP.	1150 E. CHEYENNE MTN. BLVD.	COLORADO SPRINGS	EL PASO	80906	3674	HYDROGEN FLUORIDE	1,188	0	0	0	1,188
ATMEL CORP.	1150 E. CHEYENNE MTN. BLVD.	COLORADO SPRINGS	EL PASO	80906	3674	NITRIC ACID	57	0	0	0	57
ATMEL CORP.	1150 E. CHEYENNE MTN. BLVD.	COLORADO SPRINGS	EL PASO	80906	3674	OZONE	28,800	0	0	0	28,800

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AVX CORP.	2435 EXECUTIVE CIRCLE	COLORADO SPRINGS	EL PASO	80906	INVA	LEAD	0	0	0	250	250
BALL METAL BEVERAGE CONTAINER CORP.	4525 INDIANA ST.	GOLDEN	JEFFERSON	804031850	3411	CERTAIN GLYCOL ETHERS	82,000	0	0	0	82,000
BALL METAL BEVERAGE CONTAINER CORP.	4525 INDIANA ST.	GOLDEN	JEFFERSON	804031850	3411	N-BUTYL ALCOHOL	61,000	0	0	0	61,000
BALL METAL BEVERAGE CONTAINER CORP.	4525 INDIANA ST.	GOLDEN	JEFFERSON	804031850	3411	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	130	0	0	0	130
BOULDER SCIENTIFIC CO.	598 THIRD ST.	MEAD	WELD	80542	2834	DICHLOROMETHANE	1,986	0	0	0	1,986
BOULDER SCIENTIFIC CO.	598 THIRD ST.	MEAD	WELD	80542	2834	METHANOL	9,599	0	0	0	9,599
BOULDER SCIENTIFIC CO.	598 THIRD ST.	MEAD	WELD	80542	2834	N-HEXANE	1,985	0	0	0	1,985
BOULDER SCIENTIFIC CO.	598 THIRD ST.	MEAD	WELD	80542	2834	TOLUENE	926	0	0	0	926
BOULDER SCIENTIFIC CO.	598 THIRD ST.	MEAD	WELD	80542	2834	XYLENE (MIXED ISOMERS)	2,086	0	0	0	2,086
BOWIE NO. 2 MINE	OLD STATE HWY. 133	PAONIA	DELTA	81428	1222	LEAD COMPOUNDS	2	0	0	1	3
BRASS SMITH INC.	3880 HOLLY ST.	DENVER	ARAPAHOE	80207	3446	COPPER	0	0	0	194	194
BRITE-LINE TECHS.	10660 E. 51ST AVE.	DENVER	DENVER	80239	3069	LEAD COMPOUNDS	1	0	0	12	12
C. F. MAIER COMPOSITES INC.	500 E. CRYSTAL	LAMAR	PROWERS	81052	3089	STYRENE	41,390	0	0	0	41,390
CAPCO INC.	1328 WINTERS AVE.	GRAND JUNCTION	MESA	81501	3499	LEAD COMPOUNDS	0	0	0	36	36
CARGILL HEALTH & FOOD TECHS.	11170 E. 47TH AVE.	DENVER	DENVER	80239	2833	METHANOL	3,434	7	0	0	3,441
CELESTICA	1200 W. 120TH AVE.	WESTMINSTER	ADAMS	802342795	3661	LEAD	81	0	0	5	86
CELESTICA	1200 W. 120TH AVE.	WESTMINSTER	ADAMS	802342795	3661	LEAD	0	0	0	1,455	1,455
CELESTICA CORP.	4701 TECHNOLOGY PKY. MAILSTOP L1	FORT COLLINS	LARIMER	80528	3672	LEAD	0	0	0	60	60
CEMEX INC. LYONS CEMENT PLANT	5134 UTE HWY.	LYONS	BOULDER	80540	3241	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0
CEMEX INC. LYONS CEMENT PLANT	5134 UTE HWY.	LYONS	BOULDER	80540	3241	LEAD	883	0	919	0	1,802
CEMEX INC. LYONS CEMENT PLANT	5134 UTE HWY.	LYONS	BOULDER	80540	3241	MERCURY	12	0	1	0	13
CF&I STEEL L.P.(DBA ROCKY MT.STEEL MILLS)	2100 S. FWY.	PUEBLO	PUEBLO	81004	3312	CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	363	0	450	3,800	4,613
CF&I STEEL L.P.(DBA ROCKY MT.STEEL MILLS)	2100 S. FWY.	PUEBLO	PUEBLO	81004	3312	LEAD COMPOUNDS	2,830	0	200	21,550	24,580
CF&I STEEL L.P.(DBA ROCKY MT.STEEL MILLS)	2100 S. FWY.	PUEBLO	PUEBLO	81004	3312	MANGANESE COMPOUNDS	6,320	9,400	4,600	107,000	127,320
CF&I STEEL L.P.(DBA ROCKY MT.STEEL MILLS)	2100 S. FWY.	PUEBLO	PUEBLO	81004	3312	MERCURY	336	0	0	2	338
CF&I STEEL L.P.(DBA ROCKY MT.STEEL MILLS)	2100 S. FWY.	PUEBLO	PUEBLO	81004	3312	NICKEL COMPOUNDS	60	0	920	600	1,580
CF&I STEEL L.P.(DBA ROCKY MT.STEEL MILLS)	2100 S. FWY.	PUEBLO	PUEBLO	81004	3312	ZINC COMPOUNDS	50,000	2	0	372,700	422,702
CHART INC.	3811 JOLIET ST.	DENVER	DENVER	80239	3443	METHYL ETHYL KETONE	11,097	0	0	0	11,097
CHEMICAL & METAL INDS. INC.	4701 DAHLIA ST.	DENVER	DENVER	80216	2819	ANTIMONY COMPOUNDS	5	0	0	38,700	38,705
CHEMICAL & METAL INDS. INC.	4701 DAHLIA ST.	DENVER	DENVER	80216	2819	CHLOROFORM	455	0	0	0	455
CHEMICAL & METAL INDS. INC.	4701 DAHLIA ST.	DENVER	DENVER	80216	2819	DICHLOROMETHANE	112	0	0	0	112
CIRCUIT IMAGES	3155 BLUFF ST.	BOULDER	BOULDER	80301	3672	COPPER COMPOUNDS	10	0	0	1,165	1,175
CIRCUIT IMAGES	3155 BLUFF ST.	BOULDER	BOULDER	80301	3672	LEAD COMPOUNDS	10	0	0	0	10
CLIMAX MOLYBDENUM CO. HENDERSON MINE	9 MILES W. OF EMPIRE	EMPIRE	CLEAR CREEK	80438	1061	LEAD COMPOUNDS	3	1	0	0	3
CLIMAX MOLYBDENUM CO. HENDERSON MINE	9 MILES W. OF EMPIRE	EMPIRE	CLEAR CREEK	80438	1061	MANGANESE COMPOUNDS	24	990	560,005	0	561,019

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CLIMAX MOLYBDENUM CO. HENDERSON MINE	9 MILES W. OF EMPIRE	EMPIRE	CLEAR CREEK	80438	1061	NITRATE COMPOUNDS	0	14,005	10	0	14,015
CLIMAX MOLYBDENUM CO. HENDERSON MINE	9 MILES W. OF EMPIRE	EMPIRE	CLEAR CREEK	80438	1061	ZINC COMPOUNDS	2	142	25,005	0	25,149
CLIMAX MOLYBDENUM CO. HENDERSON MILL	19302 COUNTY RD. 3	PARSHALL	GRAND	80468	1061	CHROMIUM	10	0	33,005	0	33,015
CLIMAX MOLYBDENUM CO. HENDERSON MILL	19302 COUNTY RD. 3	PARSHALL	GRAND	80468	1061	LEAD COMPOUNDS	32	0	274,000	0	274,032
CLIMAX MOLYBDENUM CO. HENDERSON MILL	19302 COUNTY RD. 3	PARSHALL	GRAND	80468	1061	NICKEL	10	0	10,005	0	10,015
COBE STERILIZATION SERVICES INC.	11308 W. COLLINS AVE.	LAKEWOOD	JEFFERSON	802154407	3841	ETHYLENE OXIDE	2,102	0	0	0	2,102
COLORADO PAINT CO.	4747 HOLLY ST.	DENVER	DENVER	80216	2851	LEAD	1	0	0	1	2
COLORADO PAINT CO.	4747 HOLLY ST.	DENVER	DENVER	80216	2851	TOLUENE	4,313	0	0	0	4,313
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	1,2,4-TRIMETHYLBENZENE	293	0	0	0	293
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	AMMONIA	0	721	0	0	721
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	BENZENE	1,912	0	0	0	1,912
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	CHLORINE	872	47	0	0	919
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	CUMENE	59	0	0	0	59
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	CYCLOHEXANE	257	0	0	0	257
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	ETHYLBENZENE	364	0	0	0	364
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	ETHYLENE	1,121	0	0	0	1,121
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	LEAD	25,494	0	0	0	25,494
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	N-HEXANE	2,652	0	0	0	2,652
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	PROPYLENE	1,877	0	0	0	1,877
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	TOLUENE	3,392	0	0	0	3,392
COLORADO REFINING CO.	5800 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	80022	2911	XYLENE (MIXED ISOMERS)	2,160	0	0	0	2,160
COLORADO SPRINGS REFINED PRODS. TERMINAL	7810 DRENNAN RD.	COLORADO SPRINGS	EL PASO	80925	5171	1,2,4-TRIMETHYLBENZENE	1,000	0	0	0	1,000
COLORADO SPRINGS REFINED PRODS. TERMINAL	7810 DRENNAN RD.	COLORADO SPRINGS	EL PASO	80925	5171	BENZENE	1,457	0	0	0	1,457
COLORADO SPRINGS REFINED PRODS. TERMINAL	7810 DRENNAN RD.	COLORADO SPRINGS	EL PASO	80925	5171	CYCLOHEXANE	500	0	0	0	500
COLORADO SPRINGS REFINED PRODS. TERMINAL	7810 DRENNAN RD.	COLORADO SPRINGS	EL PASO	80925	5171	ETHYLBENZENE	500	0	0	0	500
COLORADO SPRINGS REFINED PRODS. TERMINAL	7810 DRENNAN RD.	COLORADO SPRINGS	EL PASO	80925	5171	N-HEXANE	1,500	0	0	0	1,500
COLORADO SPRINGS REFINED PRODS. TERMINAL	7810 DRENNAN RD.	COLORADO SPRINGS	EL PASO	80925	5171	TOLUENE	2,040	0	0	0	2,040

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COLORADO SPRINGS REFINED PRODS. TERMINAL	7810 DRENNAN RD.	COLORADO SPRINGS	EL PASO	80925	5171	XYLENE (MIXED ISOMERS)	2,160	0	0	0	2,160
COLOWYO COAL CO. L.P.	5731 STATE HWY. 13	MEEKER	RIO BLANCO	81641	1221	LEAD COMPOUNDS	0	0	1	0	1
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	1,2,4-TRIMETHYLBENZENE	124	0	0	0	124
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	1,3-BUTADIENE	61	0	0	0	61
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	AMMONIA	3,306	1,635	0	0	4,941
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	BENZENE	2,992	0	0	5	2,997
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	BENZO(G,H,I)PERYLENE	26	0	0	2	28
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	CUMENE	209	0	0	0	209
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	CYCLOHEXANE	681	0	0	0	681
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	ETHYLBENZENE	145	0	0	1	146
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	ETHYLENE	1,586	0	0	0	1,586
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	LEAD COMPOUNDS	2	2	0	17	22
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	MERCURY COMPOUNDS	3	0	0	0	3
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	MOLYBDENUM TRIOXIDE	318	0	0	0	318
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	NAPHTHALENE	22	0	0	0	22
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	N-HEXANE	14,337	0	0	0	14,337
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	NITRATE COMPOUNDS	0	24,877	0	0	24,877
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	POLYCYCLIC AROMATIC COMPOUNDS	287	5	0	16	308
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	PROPYLENE	21,110	0	0	0	21,110
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	56,897	0	0	0	56,897
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	TOLUENE	384	0	0	0	384
CONOCO DENVER REFY.	5801 BRIGHTON BLVD.	COMMERCE CITY	ADAMS	800223696	2911	XYLENE (MIXED ISOMERS)	517	0	0	5	522
COORS BREWING CO.	12TH & FORD ST.	GOLDEN	JEFFERSON	804010030	2082	AMMONIA	3,400	7,700	0	0	11,100
COORS BREWING CO.	12TH & FORD ST.	GOLDEN	JEFFERSON	804010030	2082	NITRATE COMPOUNDS	0	54,000	0	0	54,000

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COORS BREWING CO.	12TH & FORD ST.	GOLDEN	JEFFERSON	804010030	2082	OZONE	15,000	0	0	0	15,000
COORSTEK	2449 RIVER RD.	GRAND JUNCTION	MESA	815051322	3264	CERTAIN GLYCOL ETHERS	1,756	0	0	48	1,804
COORSTEK INC. COLORODO OPS. CLEAR CREEK VALLEY	17750 W. 32ND AVE.	GOLDEN	JEFFERSON	804011298	3264	AMMONIA	32	0	0	0	32
COORSTEK INC. COLORODO OPS. CLEAR CREEK VALLEY	17750 W. 32ND AVE.	GOLDEN	JEFFERSON	804011298	3264	METHYL ETHYL KETONE	6,672	0	0	0	6,672
CORETEC DENVER INC.	10570 BRADFORD RD.	LITTLETON	JEFFERSON	80127	3672	LEAD	1	0	47	0	48
CRIPPLE CREEK & VICTOR GOLD MINING CO.	1280 HWY. 67	VICTOR	TELLER	80860	1041	ARSENIC COMPOUNDS	39	0	590,000	0	590,039
CRIPPLE CREEK & VICTOR GOLD MINING CO.	1280 HWY. 67	VICTOR	TELLER	80860	1041	CYANIDE COMPOUNDS	10	0	5	0	15
CRIPPLE CREEK & VICTOR GOLD MINING CO.	1280 HWY. 67	VICTOR	TELLER	80860	1041	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0
CRIPPLE CREEK & VICTOR GOLD MINING CO.	1280 HWY. 67	VICTOR	TELLER	80860	1041	HYDROGEN CYANIDE	4,808	0	1	0	4,809
CRIPPLE CREEK & VICTOR GOLD MINING CO.	1280 HWY. 67	VICTOR	TELLER	80860	1041	LEAD COMPOUNDS	198	0	3,460,000	0	3,460,198
CRIPPLE CREEK & VICTOR GOLD MINING CO.	1280 HWY. 67	VICTOR	TELLER	80860	1041	MANGANESE COMPOUNDS	400	0	10,000,000	0	10,000,400
CRIPPLE CREEK & VICTOR GOLD MINING CO.	1280 HWY. 67	VICTOR	TELLER	80860	1041	MERCURY COMPOUNDS	29	0	1,110	0	1,139
CRIPPLE CREEK & VICTOR GOLD MINING CO.	1280 HWY. 67	VICTOR	TELLER	80860	1041	NITRATE COMPOUNDS	0	0	9,300	0	9,300
CRIPPLE CREEK & VICTOR GOLD MINING CO.	1280 HWY. 67	VICTOR	TELLER	80860	1041	ZINC COMPOUNDS	110	0	2,800,000	0	2,800,110
CYCLO MFG. CO.	1438 S. CHEROKEE ST.	DENVER	DENVER	80223	3011	DIISOCYANATES	5	0	0	0	5
CYCLO MFG. CO.	1438 S. CHEROKEE ST.	DENVER	DENVER	80223	3011	ETHYLENE GLYCOL	5	0	0	0	5
DEGUSSA CONSTRUCTION CHEMICALS OPS. INC.	10601 FULTON ST.	BRIGHTON	ADAMS	80601	2891	1,2,4-TRIMETHYLBENZENE	5,510	0	0	0	5,510
DELTA ROCKY MOUNTAIN PETROLEUM INC.	9155 BOSTON ST.	HENDERSON	ADAMS	80640	2992	ETHYLENE GLYCOL	60	0	0	0	60
DENVER METAL FINISHING	3100 E. 43RD AVE.	DENVER	DENVER	802164108	3471	NICKEL COMPOUNDS	250	0	0	44	294
DENVER METAL FINISHING	3100 E. 43RD AVE.	DENVER	DENVER	802164108	3471	ZINC COMPOUNDS	750	0	0	250	1,000
DENVER REFINED PRODS. TERMINAL	3601 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	1,2,4-TRIMETHYLBENZENE	500	0	0	0	500
DENVER REFINED PRODS. TERMINAL	3601 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	BENZENE	1,500	0	0	0	1,500
DENVER REFINED PRODS. TERMINAL	3601 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	CYCLOHEXANE	500	0	0	0	500
DENVER REFINED PRODS. TERMINAL	3601 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	ETHYLBENZENE	500	0	0	0	500
DENVER REFINED PRODS. TERMINAL	3601 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	N-HEXANE	3,193	0	0	0	3,193
DENVER REFINED PRODS. TERMINAL	3601 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	TOLUENE	2,904	0	0	0	2,904
DENVER REFINED PRODS. TERMINAL	3601 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	XYLENE (MIXED ISOMERS)	1,562	0	0	0	1,562
DPC INDS. INC.	I-76 FRONTAGE RD.	HUDSON	WELD	80642	5169	CHLORINE	435	0	0	0	435
EAGLE-PICHER TECHS. L.L.C.	3820 S. HANCOCK EXPRESSWAY	COLORADO SPRINGS	EL PASO	80911	3691	CADMIUM COMPOUNDS	0	0	0	18,900	18,900
EAGLE-PICHER TECHS. L.L.C.	3820 S. HANCOCK EXPRESSWAY	COLORADO SPRINGS	EL PASO	80911	3691	NICKEL COMPOUNDS	638	0	0	1,156	1,794
EAGLE-PICHER TECHS. L.L.C.	3820 S. HANCOCK EXPRESSWAY	COLORADO SPRINGS	EL PASO	80911	3691	NITRIC ACID	19	0	0	0	19
ELECTRIC EQUIPMENT & ENG.	40 W. 49TH AVE.	DENVER	DENVER	80216	3613	COPPER	0	0	750	0	750
EXCEL CORP.	1505 E. BURLINGTON AVE.	FORT MORGAN	MORGAN	80701	2011	AMMONIA	2,200	636	0	148	2,984
EXCEL CORP.	1505 E. BURLINGTON AVE.	FORT MORGAN	MORGAN	80701	2011	NITRATE COMPOUNDS	0	3,140,223	0	385	3,140,608

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FIBERGLASS COMPONENT PRODUCTION	800 STONE TREE AVE.	LAMAR	PROWERS	81052	3082	STYRENE	5,500	0	0	0	5,500
FINTECH INC.	7777 E. 40TH AVE.	DENVER	DENVER	802071704	3471	NITRIC ACID	500	0	0	0	500
FIRESTONE BUILDING PRODS.	4670 HOLLY ST.	DENVER	DENVER	80216	3086	1,1-DICHLORO-1-FLUOROETHANE	37,468	0	0	507	37,975
FIRESTONE BUILDING PRODS.	4670 HOLLY ST.	DENVER	DENVER	80216	3086	CHLORODIFLUOROMETHANE	17,552	0	0	55	17,607
FIRESTONE BUILDING PRODS.	4670 HOLLY ST.	DENVER	DENVER	80216	3086	DIISOCYANATES	84	0	0	0	84
FOSROC INC.	2306 HWY. 6 & 50	GRAND JUNCTION	MESA	81505	3087	BENZOYL PEROXIDE	0	0	0	800	800
FOSROC INC.	2306 HWY. 6 & 50	GRAND JUNCTION	MESA	81505	3087	STYRENE	2,900	0	0	6,200	9,100
GATES RUBBER CO.	990 S. BROADWAY	DENVER	DENVER	80209	3052	DIISOCYANATES	1,672	0	0	0	1,672
GATES RUBBER CO.	990 S. BROADWAY	DENVER	DENVER	80209	3052	ETHYLBENZENE	2,545	0	0	0	2,545
GATES RUBBER CO.	990 S. BROADWAY	DENVER	DENVER	80209	3052	TOLUENE	55,263	0	0	0	55,263
GATES RUBBER CO.	990 S. BROADWAY	DENVER	DENVER	80209	3052	XYLENE (MIXED ISOMERS)	8,462	0	0	0	8,462
GENEVA PHARMACEUTICALS INC.	2555 W. MIDWAY BLVD.	BROOMFIELD	BOULDER	80038	2834	METHANOL	750	0	0	0	750
GOODRICH CARBON PRODS.	50 WILLIAM WHITE BLVD.	PUEBLO	PUEBLO	81001	3728	ETHYLENE	140,000	0	0	0	140,000
GOODRICH CARBON PRODS.	50 WILLIAM WHITE BLVD.	PUEBLO	PUEBLO	81001	3728	HYDROGEN CYANIDE	1,000	0	250	0	1,250
GRAND JUNCTION REFINED TERMINAL	680 RAILROAD BLVD.	GRAND JUNCTION	MESA	81505	5171	1,2,4-TRIMETHYLBENZENE	500	0	0	0	500
GRAND JUNCTION REFINED TERMINAL	680 RAILROAD BLVD.	GRAND JUNCTION	MESA	81505	5171	BENZENE	500	0	0	0	500
GRAND JUNCTION REFINED TERMINAL	680 RAILROAD BLVD.	GRAND JUNCTION	MESA	81505	5171	CYCLOHEXANE	2,029	0	0	0	2,029
GRAND JUNCTION REFINED TERMINAL	680 RAILROAD BLVD.	GRAND JUNCTION	MESA	81505	5171	ETHYLBENZENE	500	0	0	0	500
GRAND JUNCTION REFINED TERMINAL	680 RAILROAD BLVD.	GRAND JUNCTION	MESA	81505	5171	N-HEXANE	1,000	0	0	0	1,000
GRAND JUNCTION REFINED TERMINAL	680 RAILROAD BLVD.	GRAND JUNCTION	MESA	81505	5171	TOLUENE	2,376	0	0	0	2,376
GRAND JUNCTION REFINED TERMINAL	680 RAILROAD BLVD.	GRAND JUNCTION	MESA	81505	5171	XYLENE (MIXED ISOMERS)	2,200	0	0	0	2,200
GREAT WESTERN INORGANICS INC.	17400 HWY. 72	ARVADA	JEFFERSON	800078238	2819	MERCURY	0	0	0	0	0
GREAT WESTERN INORGANICS INC.	17400 HWY. 72	ARVADA	JEFFERSON	800078238	2819	MERCURY COMPOUNDS	0	0	0	0	0
GUN CLUB ASPHALT PLANT	3100 S. GUN CLUB RD.	AURORA	ADAMS	80018	3273	POLYCYCLIC AROMATIC COMPOUNDS	1	0	0	0	1
HACH CO.	5600 LINDBERGH DR.	LOVELAND	LARIMER	80539	3826	LEAD	4	0	0	2	5
HAMILTON SUNDSTRAND	2480 W. 70TH AVE.	DENVER	ADAMS	80221	3724	AMMONIA	12,465	0	0	0	12,465
HAMILTON SUNDSTRAND	2480 W. 70TH AVE.	DENVER	ADAMS	80221	3724	CYCLOHEXANE	9,160	0	0	0	9,160
HAMILTON SUNDSTRAND	2480 W. 70TH AVE.	DENVER	ADAMS	80221	3724	LEAD COMPOUNDS	10	0	0	52	62
HAMILTON SUNDSTRAND	2480 W. 70TH AVE.	DENVER	ADAMS	80221	3724	METHANOL	2,905	0	0	0	2,905
HAMILTON SUNDSTRAND	2480 W. 70TH AVE.	DENVER	ADAMS	80221	3724	NITRIC ACID	2,050	0	0	0	2,050
HAUSER INC.	5555 AIRPORT BLVD.	BOULDER	BOULDER	80301	2099	METHANOL	10	0	0	0	10
HOLCIM (US) INC.	3500 STATE HWY. 120	FLORENCE	FREMONT	81226	3241	AMMONIA	149,351	0	0	0	149,351
HOLCIM (US) INC.	3500 STATE HWY. 120	FLORENCE	FREMONT	81226	3241	CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	66	0	0	0	66

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HOLCIM (US) INC.	3500 STATE HWY. 120	FLORENCE	FREMONT	81226	3241	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0
HOLCIM (US) INC.	3500 STATE HWY. 120	FLORENCE	FREMONT	81226	3241	LEAD COMPOUNDS	69	0	20	0	89
HOLCIM (US) INC.	3500 STATE HWY. 120	FLORENCE	FREMONT	81226	3241	MERCURY COMPOUNDS	59	0	20	0	79
HOLCIM (US) INC.	3500 STATE HWY. 120	FLORENCE	FREMONT	81226	3241	NICKEL COMPOUNDS	204	0	0	0	204
HOLCIM U.S. INC. FORT COLLINS PLANT	4629 OVERLAND TRAIL	LAPORTE	LARIMER	80535	3241	LEAD COMPOUNDS	967	0	3,130	0	4,096
HOLCIM U.S. INC. FORT COLLINS PLANT	4629 OVERLAND TRAIL	LAPORTE	LARIMER	80535	3241	MANGANESE COMPOUNDS	79	0	24,686	0	24,765
HOLCIM U.S. INC. FORT COLLINS PLANT	4629 OVERLAND TRAIL	LAPORTE	LARIMER	80535	3241	MERCURY COMPOUNDS	12	0	3	0	15
HONEYWELL GOLDEN OPS.	6945 INDIANA CT.	ARVADA	JEFFERSON	800077577	3341	AMMONIA	26,243	0	0	0	26,243
IMI NORGREN INC.	5400 S. DELAWARE ST.	LITTLETON	ARAPAHOE	801201663	3492	COPPER	10	5	0	10	25
INDUSTRIAL CHEMICALS CORP.	4711 W. 58TH AVE.	ARVADA	ADAMS	80002	5169	DICHLOROMETHANE	1,015	0	0	0	1,015
INDUSTRIAL CHEMICALS CORP.	4711 W. 58TH AVE.	ARVADA	ADAMS	80002	5169	METHANOL	1,420	0	0	0	1,420
INDUSTRIAL CHEMICALS CORP.	4711 W. 58TH AVE.	ARVADA	ADAMS	80002	5169	METHYL ETHYL KETONE	565	0	0	0	565
INDUSTRIAL CHEMICALS CORP.	4711 W. 58TH AVE.	ARVADA	ADAMS	80002	5169	N-HEXANE	792	0	0	0	792
INDUSTRIAL CHEMICALS CORP.	4711 W. 58TH AVE.	ARVADA	ADAMS	80002	5169	N-METHYL-2-PYRROLIDONE	1	0	0	0	1
INDUSTRIAL CHEMICALS CORP.	4711 W. 58TH AVE.	ARVADA	ADAMS	80002	5169	TOLUENE	1,052	0	0	0	1,052
INTEL CORP. (FAB 23)	1575 GARDEN OF THE GODS RD.	COLORADO SPRINGS	EL PASO	80907	3674	ETHYLENE GLYCOL	48	0	0	80	128
INTEL CORP. (FAB 23)	1575 GARDEN OF THE GODS RD.	COLORADO SPRINGS	EL PASO	80907	3674	N-METHYL-2-PYRROLIDONE	130	0	0	140	270
INTERSTATE CHEMICAL CO.	646 N. STATES AVE.	PUEBLO WEST	PUEBLO	81007	5169	METHANOL	518	0	0	0	518
INTERTAPE POLYMER GROUP	1095 S. FOURTH AVE.	BRIGHTON	ADAMS	80601	2672	N-HEXANE	116,700	0	0	5,180	121,880
INTERTAPE POLYMER GROUP	1095 S. FOURTH AVE.	BRIGHTON	ADAMS	80601	2672	TOLUENE	16,800	0	0	3,590	20,390
IR SCHLAGE	3899 HANCOCK EXPRESSWAY	SECURITY	EL PASO	80911	3446	CHROMIUM	10	0	0	4,665	4,675
IR SCHLAGE	3899 HANCOCK EXPRESSWAY	SECURITY	EL PASO	80911	3446	COPPER	83	11	0	5,843	5,937
IR SCHLAGE	3899 HANCOCK EXPRESSWAY	SECURITY	EL PASO	80911	3446	LEAD	1	0	0	80	81
IR SCHLAGE	3899 HANCOCK EXPRESSWAY	SECURITY	EL PASO	80911	3446	NICKEL	12	0	0	6,537	6,549
IR SCHLAGE	3899 HANCOCK EXPRESSWAY	SECURITY	EL PASO	80911	3446	ZINC (FUME OR DUST)	43	13	0	1,572	1,628
KIK DENVER	4941 E. 39TH AVE.	DENVER	DENVER	802071089	2842	CHLORINE	5	0	0	0	5
KLOPPENBERG & CO.	2627 W. OXFORD AVE.	SHERIDAN	ARAPAHOE	801104341	3444	CHROMIUM	0	0	250	250	500
KLOPPENBERG & CO.	2627 W. OXFORD AVE.	SHERIDAN	ARAPAHOE	801104341	3444	NICKEL	0	0	250	250	500
KOCH PERFORMANCE ASPHALT CO. COMMERCE CITY CO.	4310 E. 60TH AVE.	COMMERCE CITY	ADAMS	80022	2951	POLYCYCLIC AROMATIC COMPOUNDS	0	0	0	0	0
KOCH PERFORMANCE ASPHALT CO. GRAND JUNCTION CO.	202 4TH AVE.	GRAND JUNCTION	MESA	81501	2951	POLYCYCLIC AROMATIC COMPOUNDS	0	0	0	1	1
KODAK COLORADO DIV.	9952 EASTMAN PARK DR.	WINDSOR	WELD	80551	3861	CERTAIN GLYCOL ETHERS	11	11,318	0	0	11,329
KODAK COLORADO DIV.	9952 EASTMAN PARK DR.	WINDSOR	WELD	80551	3861	DIBUTYL PHTHALATE	0	67	0	0	67
KODAK COLORADO DIV.	9952 EASTMAN PARK DR.	WINDSOR	WELD	80551	3861	ETHYLENE GLYCOL	15	603	0	0	618
KODAK COLORADO DIV.	9952 EASTMAN PARK DR.	WINDSOR	WELD	80551	3861	METHANOL	30,992	852	0	0	31,844
KODAK COLORADO DIV.	9952 EASTMAN PARK DR.	WINDSOR	WELD	80551	3861	METHYL ETHYL KETONE	2,388	0	0	0	2,388
KODAK COLORADO DIV.	9952 EASTMAN PARK DR.	WINDSOR	WELD	80551	3861	N-BUTYL ALCOHOL	3,016	0	0	0	3,016
KODAK COLORADO DIV.	9952 EASTMAN PARK DR.	WINDSOR	WELD	80551	3861	NITRATE COMPOUNDS	0	329,137	25	0	329,162
KODAK COLORADO DIV.	9952 EASTMAN PARK DR.	WINDSOR	WELD	80551	3861	SILVER COMPOUNDS	0	16	228	0	244
KODAK COLORADO DIV.	9952 EASTMAN PARK DR.	WINDSOR	WELD	80551	3861	TOLUENE	18,761	0	0	0	18,761

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KODAK POLYCHROME GRAPHICS	1 LITHO PLATE DR.	WINDSOR	WELD	80550	3861	MANGANESE COMPOUNDS	0	0	0	1,077	1,077
KODAK POLYCHROME GRAPHICS	1 LITHO PLATE DR.	WINDSOR	WELD	80550	3861	METHYL ETHYL KETONE	13,664	0	0	0	13,664
KODAK POLYCHROME GRAPHICS	1 LITHO PLATE DR.	WINDSOR	WELD	80550	3861	NITRIC ACID	5	0	0	0	5
KODAK POLYCHROME GRAPHICS	1 LITHO PLATE DR.	WINDSOR	WELD	80550	3861	TOLUENE	4,379	0	0	0	4,379
KOPPERS INDS. INC.	465 W. 56TH AVE.	DENVER	ADAMS	80216	2491	CREOSOTE	6,600	6	0	0	6,606
KOPPERS INDS. INC.	465 W. 56TH AVE.	DENVER	ADAMS	80216	2491	POLYCYCLIC AROMATIC COMPOUNDS	7	1	0	0	7
KRYPTANE SYS. L.L.C.	740 S. PIERCE AVE. STE 5	LOUISVILLE	BOULDER	80027	3089	DIISOCYANATES	5	0	0	0	5
KWAL-HOWELLS INC.	3900 JOLIET ST.	DENVER	DENVER	80239	2851	ETHYLENE GLYCOL	750	0	0	750	1,500
KWAL-HOWELLS INC.	3900 JOLIET ST.	DENVER	DENVER	80239	2851	XYLENE (MIXED ISOMERS)	750	0	0	0	750
LAFARGE WEST INC.	1151 QUIVAS ST.	DENVER	ARAPAHOE	80204	3273	LEAD COMPOUNDS	0	0	0	0	0
LEPRINO FOODS CO.	2400 E. BEAVER AVE.	FORT MORGAN	MORGAN	80701	2022	NITRATE COMPOUNDS	0	20,226	0	0	20,226
LEXMARK INTL. INC.	6555 MONARCH RD.	LONGMONT	BOULDER	80503	3577	1,4-DIOXANE	555	0	0	0	555
LEXMARK INTL. INC.	6555 MONARCH RD.	LONGMONT	BOULDER	80503	3577	METHYL ETHYL KETONE	2,505	0	0	0	2,505
LEXMARK INTL. INC.	6555 MONARCH RD.	LONGMONT	BOULDER	80503	3577	TOLUENE	5,205	0	0	0	5,205
LEXMARK INTL. INC.	6555 MONARCH RD.	LONGMONT	BOULDER	80503	3577	ZINC COMPOUNDS	5	0	0	2,100	2,105
LINCOLN PLATING CO. - DENVER CENTRAL	777 UMATILLA ST.	DENVER	DENVER	80204	3471	NITRIC ACID	35	0	0	0	35
LOCKHEED MARTIN SPACE SYS. CO. ASTRONAUTICS OPNS	12257 S. WADSWORTH BLVD.	LITTLETON	JEFFERSON	801258500	3761	NITRATE COMPOUNDS	0	51,000	0	5	51,005
LOCTITE CORP.	6120 E. 58TH AVE.	COMMERCE CITY	ADAMS	80022	2899	DIISOCYANATES	5	0	0	4,060	4,065
LONGMONT FOODS	150 MAIN ST.	LONGMONT	BOULDER	80501	2015	COPPER	0	0	36,732	0	36,732
LONGMONT FOODS	150 MAIN ST.	LONGMONT	BOULDER	80501	2015	MANGANESE	0	0	15,675	0	15,675
LONGMONT FOODS	150 MAIN ST.	LONGMONT	BOULDER	80501	2015	ZINC COMPOUNDS	0	0	15,675	0	15,675
LP MONTROSE OSB	58482 US HWY. 50 N.	OLATHE	MONTROSE	81425	2493	ACETALDEHYDE	3,559	0	0	0	3,559
LP MONTROSE OSB	58482 US HWY. 50 N.	OLATHE	MONTROSE	81425	2493	DIISOCYANATES	66	0	0	0	66
LP MONTROSE OSB	58482 US HWY. 50 N.	OLATHE	MONTROSE	81425	2493	FORMALDEHYDE	2,303	0	0	0	2,303
LP MONTROSE OSB	58482 US HWY. 50 N.	OLATHE	MONTROSE	81425	2493	LEAD	15	0	0	0	15
LP MONTROSE OSB	58482 US HWY. 50 N.	OLATHE	MONTROSE	81425	2493	METHANOL	12,623	0	0	0	12,623
LSI LOGIC	1635 AEROPLAZA DR.	COLORADO SPRINGS	EL PASO	809163804	3674	HYDROGEN FLUORIDE	1,167	0	0	0	1,167
MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	BARIUM COMPOUNDS	255	0	0	410,000	410,255
MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	1	0	0	0	1
MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	30,000	0	0	0	30,000
MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	HYDROGEN FLUORIDE	84,000	0	0	0	84,000
MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	LEAD COMPOUNDS	9	0	0	8,602	8,611
MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	MANGANESE COMPOUNDS	10	0	0	12,250	12,260
MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	MERCURY	20	0	0	50	70
MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	NICKEL COMPOUNDS	10	0	0	6,850	6,860

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MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	16,000	0	0	0	16,000
MARTIN DRAKE POWER PLANT	700 S. CONEJOS ST.	COLORADO SPRINGS	EL PASO	80903	4911	VANADIUM COMPOUNDS	255	0	0	31,000	31,255
MASTERCRAFT CABINETS INC.	3550 ODESSA WAY	AURORA	ADAMS	80011	2434	ETHYLBENZENE	5,717	0	0	0	5,717
MASTERCRAFT CABINETS INC.	3550 ODESSA WAY	AURORA	ADAMS	80011	2434	TOLUENE	7,411	0	0	0	7,411
MASTERCRAFT CABINETS INC.	3550 ODESSA WAY	AURORA	ADAMS	80011	2434	XYLENE (MIXED ISOMERS)	28,495	0	0	0	28,495
METAL CONTAINER CORP. WINDSOR	1201 METAL CONTAINER CT.	WINDSOR	WELD	805503309	3411	CERTAIN GLYCOL ETHERS	123,543	0	0	0	123,543
METAL CONTAINER CORP. WINDSOR	1201 METAL CONTAINER CT.	WINDSOR	WELD	805503309	3411	HYDROGEN FLUORIDE	4	0	0	0	4
METAL CONTAINER CORP. WINDSOR	1201 METAL CONTAINER CT.	WINDSOR	WELD	805503309	3411	MANGANESE	0	0	0	250	250
METAL CONTAINER CORP. WINDSOR	1201 METAL CONTAINER CT.	WINDSOR	WELD	805503309	3411	N-BUTYL ALCOHOL	155,829	0	0	0	155,829
MICRO MOTION INC.	7070 WINCHESTER CIR. & 6930 WINCHESTER	BOULDER	BOULDER	80301	3823	CHROMIUM	0	0	0	60	60
MICRO MOTION INC.	7070 WINCHESTER CIR. & 6930 WINCHESTER	BOULDER	BOULDER	80301	3823	NICKEL	0	0	0	46	46
MICROSEMI CORP. COLORADO	800 HOYT ST.	BROOMFIELD	BOULDER	80020	3674	NITRIC ACID	250	0	0	0	250
MOBILE TOOL INTL. INC.	5600 W. 88TH AVE.	WESTMINSTER	ADAMS	80031	3531	LEAD	0	0	0	0	0
MODINE AFTERMARKET HOLDINGS INC.	2390 W. 4TH AVE. UNIT 1	DENVER	DENVER	80223	3714	LEAD	1	0	0	0	1
NAPRO BIOTHERAPEUTICS INC. STERLING DRIVE SITE	4884 STERLING DR.	BOULDER	BOULDER	80301	2833	METHANOL	6,574	0	0	0	6,574
NATIONAL BY-PRODUCTS INC.	5701 YORK ST.	DENVER	ADAMS	80216	2077	AMMONIA	2,665	0	0	0	2,665
NATIONAL BY-PRODUCTS INC.	5701 YORK ST.	DENVER	ADAMS	80216	2077	CHLORINE DIOXIDE	255	0	0	0	255
NEOPLAN USA CORP.	700 GOTTLOB AUWAERTER DR.	LAMAR	PROWERS	81052	3713	N-HEXANE	8,878	0	0	0	8,878
NEOPLAN USA CORP.	700 GOTTLOB AUWAERTER DR.	LAMAR	PROWERS	81052	3713	STYRENE	11,242	0	0	0	11,242
NEOPLAN USA CORP.	700 GOTTLOB AUWAERTER DR.	LAMAR	PROWERS	81052	3713	TOLUENE	13,362	0	0	0	13,362
NICHOLS ALUMINUM GOLDEN	1405 E. 14TH ST.	FORT LUPTON	WELD	80621	3353	1,2,4-TRIMETHYLBENZENE	135	0	0	0	135
NICHOLS ALUMINUM GOLDEN	1405 E. 14TH ST.	FORT LUPTON	WELD	80621	3353	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	7	7
NICHOLS ALUMINUM GOLDEN	1405 E. 14TH ST.	FORT LUPTON	WELD	80621	3353	ETHYLBENZENE	136	0	0	0	136
NICHOLS ALUMINUM GOLDEN	1405 E. 14TH ST.	FORT LUPTON	WELD	80621	3353	LEAD COMPOUNDS	102	0	0	101	204
NICHOLS ALUMINUM GOLDEN	1405 E. 14TH ST.	FORT LUPTON	WELD	80621	3353	MANGANESE	154	0	0	221	375
NICHOLS ALUMINUM GOLDEN	1405 E. 14TH ST.	FORT LUPTON	WELD	80621	3353	METHYL ETHYL KETONE	745	0	0	0	745
NICHOLS ALUMINUM GOLDEN	1405 E. 14TH ST.	FORT LUPTON	WELD	80621	3353	N-BUTYL ALCOHOL	620	0	0	0	620
NICHOLS ALUMINUM GOLDEN	1405 E. 14TH ST.	FORT LUPTON	WELD	80621	3353	XYLENE (MIXED ISOMERS)	650	0	0	0	650
NORTH AMERICAN GALVANIZING CO. DENVER	4400 E. 61ST AVE.	COMMERCE CITY	ADAMS	80022	3479	LEAD	10	0	0	6	16
NORTH AMERICAN GALVANIZING CO. DENVER	4400 E. 61ST AVE.	COMMERCE CITY	ADAMS	80022	3479	ZINC COMPOUNDS	740	0	0	5,493	6,233
NORTHWEST PIPE CO.	6030 N. WASHINGTON ST.	DENVER	ADAMS	80216	3498	CHROMIUM	5	0	0	0	5
NORTHWEST PIPE CO.	6030 N. WASHINGTON ST.	DENVER	ADAMS	80216	3498	MANGANESE	250	0	0	0	250
NORTHWEST PIPE CO.	6030 N. WASHINGTON ST.	DENVER	ADAMS	80216	3498	NICKEL	5	0	0	0	5
ONYX ENVIRONMENTAL SERVICES L.L.C.	9131 E. 96TH AVE.	HENDERSON	ADAMS	80640	4953	DICHLOROMETHANE	3,080	0	0	17	3,097
ONYX ENVIRONMENTAL SERVICES L.L.C.	9131 E. 96TH AVE.	HENDERSON	ADAMS	80640	4953	ETHYLENE GLYCOL	10	0	0	40	50
ONYX ENVIRONMENTAL SERVICES L.L.C.	9131 E. 96TH AVE.	HENDERSON	ADAMS	80640	4953	N-METHYL-2-PYRROLIDONE	10	0	0	0	10
OPTIMA BATTERIES INC.	17500 E. 22ND AVE.	AURORA	ADAMS	80011	3691	LEAD	64	0	0	4,592	4,656

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OPTIMA BATTERIES INC.	17500 E. 22ND AVE.	AURORA	ADAMS	80011	3691	LEAD COMPOUNDS	93	0	0	0	93
OWENS CORNING	5201 FOX ST.	DENVER	ADAMS	80216	2952	BENZO(G,H,I)PERYLENE	0	0	0	1	1
OWENS CORNING	5201 FOX ST.	DENVER	ADAMS	80216	2952	POLYCYCLIC AROMATIC COMPOUNDS	2	0	0	1	3
OWENS CORNING TRUMBULL ASPHALT	5201 BANNOCK ST.	DENVER	ADAMS	80216	2952	POLYCYCLIC AROMATIC COMPOUNDS	0	0	0	1	1
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	1,2,4-TRIMETHYLBENZENE	500	5	250	0	755
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	BENZENE	1,389	0	250	0	1,639
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	ETHYLBENZENE	500	0	250	0	750
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	LEAD COMPOUNDS	10	0	0	0	10
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	METHANOL	250	0	0	0	250
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	METHYL TERT-BUTYL ETHER	2,825	20	27	0	2,872
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	N-HEXANE	2,497	9	38	0	2,544
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	PROPYLENE	222	0	0	0	222
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	TOLUENE	4,860	5	257	0	5,122
PHILLIPS PIPE LINE CO. DENVER TERMINAL	3960 E. 56TH AVE.	COMMERCE CITY	ADAMS	80022	5171	XYLENE (MIXED ISOMERS)	3,833	1	0	0	3,834
PHILLIPS PIPE LINE CO. LA JUNTA TERMINAL	31601 E. HWY. 50	LA JUNTA	OTERO	81050	5171	1,2,4-TRIMETHYLBENZENE	500	0	0	0	500
PHILLIPS PIPE LINE CO. LA JUNTA TERMINAL	31601 E. HWY. 50	LA JUNTA	OTERO	81050	5171	BENZENE	500	0	0	0	500
PHILLIPS PIPE LINE CO. LA JUNTA TERMINAL	31601 E. HWY. 50	LA JUNTA	OTERO	81050	5171	ETHYLBENZENE	1,000	0	0	0	1,000
PHILLIPS PIPE LINE CO. LA JUNTA TERMINAL	31601 E. HWY. 50	LA JUNTA	OTERO	81050	5171	METHYL TERT-BUTYL ETHER	1,000	0	0	0	1,000
PHILLIPS PIPE LINE CO. LA JUNTA TERMINAL	31601 E. HWY. 50	LA JUNTA	OTERO	81050	5171	N-HEXANE	1,000	0	0	0	1,000
PHILLIPS PIPE LINE CO. LA JUNTA TERMINAL	31601 E. HWY. 50	LA JUNTA	OTERO	81050	5171	PROPYLENE	250	0	0	0	250
PHILLIPS PIPE LINE CO. LA JUNTA TERMINAL	31601 E. HWY. 50	LA JUNTA	OTERO	81050	5171	TOLUENE	3,950	0	0	0	3,950
PHILLIPS PIPE LINE CO. LA JUNTA TERMINAL	31601 E. HWY. 50	LA JUNTA	OTERO	81050	5171	XYLENE (MIXED ISOMERS)	3,550	0	0	0	3,550
PUBLIC SERVICE - ARAPAHOE STATION	2601 S. PLATTE RIVER DR.	DENVER	DENVER	80223	4911	BARIUM COMPOUNDS	710	810	0	370,000	371,520
PUBLIC SERVICE - ARAPAHOE STATION	2601 S. PLATTE RIVER DR.	DENVER	DENVER	80223	4911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0
PUBLIC SERVICE - ARAPAHOE STATION	2601 S. PLATTE RIVER DR.	DENVER	DENVER	80223	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	11,000	0	0	0	11,000
PUBLIC SERVICE - ARAPAHOE STATION	2601 S. PLATTE RIVER DR.	DENVER	DENVER	80223	4911	LEAD COMPOUNDS	9	0	0	3,477	3,486
PUBLIC SERVICE - ARAPAHOE STATION	2601 S. PLATTE RIVER DR.	DENVER	DENVER	80223	4911	MERCURY COMPOUNDS	14	0	0	122	136
PUBLIC SERVICE - ARAPAHOE STATION	2601 S. PLATTE RIVER DR.	DENVER	DENVER	80223	4911	POLYCYCLIC AROMATIC COMPOUNDS	3	0	0	0	3
PUBLIC SERVICE - CAMEO STATION	4 MI. E. OF PALISADE ON I-70	PALISADE	MESA	81526	4911	BARIUM COMPOUNDS	279	0	79,000	0	79,279

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PUBLIC SERVICE - CAMEO STATION	4 MI. E. OF PALISADE ON I-70	PALISADE	MESA	81526	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	15,000	0	0	0	15,000
PUBLIC SERVICE - CAMEO STATION	4 MI. E. OF PALISADE ON I-70	PALISADE	MESA	81526	4911	HYDROGEN FLUORIDE	76,000	0	0	0	76,000
PUBLIC SERVICE - CAMEO STATION	4 MI. E. OF PALISADE ON I-70	PALISADE	MESA	81526	4911	LEAD COMPOUNDS	30	0	6,280	0	6,310
PUBLIC SERVICE - CAMEO STATION	4 MI. E. OF PALISADE ON I-70	PALISADE	MESA	81526	4911	MERCURY COMPOUNDS	1	0	14	0	15
PUBLIC SERVICE - CAMEO STATION	4 MI. E. OF PALISADE ON I-70	PALISADE	MESA	81526	4911	POLYCYCLIC AROMATIC COMPOUNDS	1	0	0	0	1
PUBLIC SERVICE - CAMEO STATION	4 MI. E. OF PALISADE ON I-70	PALISADE	MESA	81526	4911	VANADIUM COMPOUNDS	40	0	19,000	0	19,040
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	BARIUM COMPOUNDS	3,100	800	0	1,116,000	1,119,900
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	BENZO(G,H,I)PERYLENE	0	0	0	0	0
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	75,000	0	0	0	75,000
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	HYDROGEN FLUORIDE	280,000	0	0	0	280,000
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	LEAD COMPOUNDS	88	91	0	23,210	23,389
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	MANGANESE COMPOUNDS	106	230	0	39,560	39,896
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	MERCURY COMPOUNDS	10	0	0	139	149
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	POLYCYCLIC AROMATIC COMPOUNDS	4	0	0	0	4
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	VANADIUM COMPOUNDS	31	250	0	29,430	29,711
PUBLIC SERVICE - CHEROKEE STATION	6198 FRANKLIN ST.	DENVER	ADAMS	80216	4911	ZINC COMPOUNDS	115	200	0	31,450	31,765
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	BARIUM COMPOUNDS	3,630	1,300	450,000	210,000	664,930
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	BENZO(G,H,I)PERYLENE	0	0	0	0	0
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	COPPER COMPOUNDS	149	160	16,000	7,400	23,709
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	40,000	0	0	0	40,000
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	LEAD COMPOUNDS	36	170	3,582	1,620	5,408
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	MANGANESE COMPOUNDS	282	120	36,000	16,000	52,402
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	MERCURY COMPOUNDS	20	2	125	57	204
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	POLYCYCLIC AROMATIC COMPOUNDS	11	0	0	0	11
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1,400	0	0	0	1,400
PUBLIC SERVICE - COMANCHE STATION	2005 LIME RD.	PUEBLO	PUEBLO	81006	4911	VANADIUM COMPOUNDS	77	48	19,000	8,800	27,925
PUBLIC SERVICE - HAYDEN STATION	12795 E. YUTE	HAYDEN	ROUTT	81639	4911	BARIUM COMPOUNDS	1,622	0	490,000	0	491,622
PUBLIC SERVICE - HAYDEN STATION	12795 E. YUTE	HAYDEN	ROUTT	81639	4911	BENZO(G,H,I)PERYLENE	0	0	0	0	0
PUBLIC SERVICE - HAYDEN STATION	12795 E. YUTE	HAYDEN	ROUTT	81639	4911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0

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PUBLIC SERVICE - HAYDEN STATION	12795 E. YUTE	HAYDEN	ROUTT	81639	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1,100	0	0	0	1,100
PUBLIC SERVICE - HAYDEN STATION	12795 E. YUTE	HAYDEN	ROUTT	81639	4911	HYDROGEN FLUORIDE	1,100	0	0	0	1,100
PUBLIC SERVICE - HAYDEN STATION	12795 E. YUTE	HAYDEN	ROUTT	81639	4911	LEAD COMPOUNDS	67	0	14,457	4	14,528
PUBLIC SERVICE - HAYDEN STATION	12795 E. YUTE	HAYDEN	ROUTT	81639	4911	MANGANESE COMPOUNDS	101	0	25,000	0	25,101
PUBLIC SERVICE - HAYDEN STATION	12795 E. YUTE	HAYDEN	ROUTT	81639	4911	MERCURY COMPOUNDS	8	0	99	0	107
PUBLIC SERVICE - HAYDEN STATION	12795 E. YUTE	HAYDEN	ROUTT	81639	4911	POLYCYCLIC AROMATIC COMPOUNDS	8	0	0	0	8
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	BARIUM COMPOUNDS	2,850	0	200,000	720,000	922,850
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	BENZO(G,H,I)PERYLENE	0	0	0	0	0
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	COPPER COMPOUNDS	78	0	6,300	22,000	28,378
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	30,000	0	0	0	30,000
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	LEAD COMPOUNDS	33	0	1,775	6,213	8,021
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	MANGANESE COMPOUNDS	219	0	16,000	56,000	72,219
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	MERCURY COMPOUNDS	23	0	62	224	309
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	POLYCYCLIC AROMATIC COMPOUNDS	2	0	0	0	2
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	VANADIUM COMPOUNDS	52	0	8,000	29,000	37,052
PUBLIC SERVICE - PAWNEE STATION	14940 COUNTY RD. 24	BRUSH	MORGAN	80723	4911	ZINC COMPOUNDS	100	0	5,100	18,000	23,200
PUBLIC SERVICE - VALMONT STATION	1800 N. 63RD ST.	BOULDER	BOULDER	80302	4911	BARIUM COMPOUNDS	929	0	320,000	0	320,929
PUBLIC SERVICE - VALMONT STATION	1800 N. 63RD ST.	BOULDER	BOULDER	80302	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	29,000	0	0	0	29,000
PUBLIC SERVICE - VALMONT STATION	1800 N. 63RD ST.	BOULDER	BOULDER	80302	4911	HYDROGEN FLUORIDE	140,000	0	0	0	140,000
PUBLIC SERVICE - VALMONT STATION	1800 N. 63RD ST.	BOULDER	BOULDER	80302	4911	LEAD COMPOUNDS	21	0	5,126	0	5,147
PUBLIC SERVICE - VALMONT STATION	1800 N. 63RD ST.	BOULDER	BOULDER	80302	4911	MERCURY COMPOUNDS	2	0	38	0	40
PUBLIC SERVICE - VALMONT STATION	1800 N. 63RD ST.	BOULDER	BOULDER	80302	4911	POLYCYCLIC AROMATIC COMPOUNDS	2	0	0	0	2
RANCH MFG. CO.	700 E. CRYSTAL	LAMAR	PROWERS	81052	3715	LEAD	0	0	4	0	4
RAWHIDE ENERGY STATION	2700 E. COUNTY RD. 82	WELLINGTON	LARIMER	805492105	4911	BARIUM COMPOUNDS	1,182	0	700,161	0	701,343
RAWHIDE ENERGY STATION	2700 E. COUNTY RD. 82	WELLINGTON	LARIMER	805492105	4911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	0	0	0	0	0
RAWHIDE ENERGY STATION	2700 E. COUNTY RD. 82	WELLINGTON	LARIMER	805492105	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	15,376	0	0	0	15,376
RAWHIDE ENERGY STATION	2700 E. COUNTY RD. 82	WELLINGTON	LARIMER	805492105	4911	HYDROGEN FLUORIDE	3,915	0	0	0	3,915
RAWHIDE ENERGY STATION	2700 E. COUNTY RD. 82	WELLINGTON	LARIMER	805492105	4911	LEAD COMPOUNDS	47	0	4,696	0	4,743
RAWHIDE ENERGY STATION	2700 E. COUNTY RD. 82	WELLINGTON	LARIMER	805492105	4911	MANGANESE COMPOUNDS	171	0	27,474	0	27,645
RAWHIDE ENERGY STATION	2700 E. COUNTY RD. 82	WELLINGTON	LARIMER	805492105	4911	MERCURY COMPOUNDS	70	0	24	0	94
RAWHIDE ENERGY STATION	2700 E. COUNTY RD. 82	WELLINGTON	LARIMER	805492105	4911	VANADIUM COMPOUNDS	39	0	24,251	0	24,290
RAWHIDE ENERGY STATION	2700 E. COUNTY RD. 82	WELLINGTON	LARIMER	805492105	4911	ZINC COMPOUNDS	31	0	19,375	0	19,406
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	BARIUM COMPOUNDS	255	0	820,005	0	820,260

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RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	10	0	17,005	0	17,015
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	1	0	0	0	1
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	15,000	0	0	0	15,000
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	HYDROGEN FLUORIDE	56,000	0	0	0	56,000
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	LEAD COMPOUNDS	6	0	13,044	0	13,050
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	MANGANESE COMPOUNDS	10	0	23,005	250	23,265
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	MERCURY	22	0	108	0	130
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	NICKEL COMPOUNDS	10	0	10,150	250	10,410
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	VANADIUM COMPOUNDS	255	0	45,000	0	45,255
RAY D. NIXON POWER PLANT	14020 RAY NIXON RD.	FOUNTAIN	EL PASO	80817	4911	ZINC COMPOUNDS	255	0	19,000	0	19,255
ROBINSON BRICK CO.	1845 W. DARTHMOUTH AVE.	ENGLEWOOD	DENVER	801101308	3251	CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	10	0	0	0	10
ROBINSON BRICK CO.	1845 W. DARTHMOUTH AVE.	ENGLEWOOD	DENVER	801101308	3251	MANGANESE COMPOUNDS	255	0	0	0	255
ROCHE COLORADO CORP.	2075 N. 55TH ST.	BOULDER	BOULDER	80301	2833	ACETONITRILE	4,000	0	0	0	4,000
ROCHE COLORADO CORP.	2075 N. 55TH ST.	BOULDER	BOULDER	80301	2833	CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	0	0	0	1,800	1,800
ROCHE COLORADO CORP.	2075 N. 55TH ST.	BOULDER	BOULDER	80301	2833	DICHLOROMETHANE	15,300	0	0	0	15,300
ROCHE COLORADO CORP.	2075 N. 55TH ST.	BOULDER	BOULDER	80301	2833	METHANOL	25,200	0	0	0	25,200
ROCHE COLORADO CORP.	2075 N. 55TH ST.	BOULDER	BOULDER	80301	2833	METHYL TERT-BUTYL ETHER	500	0	0	0	500
ROCHE COLORADO CORP.	2075 N. 55TH ST.	BOULDER	BOULDER	80301	2833	N,N-DIMETHYLFORMAMIDE	1,500	0	0	0	1,500
ROCHE COLORADO CORP.	2075 N. 55TH ST.	BOULDER	BOULDER	80301	2833	N-HEXANE	4,900	0	0	0	4,900
ROCHE COLORADO CORP.	2075 N. 55TH ST.	BOULDER	BOULDER	80301	2833	N-METHYL-2-PYRROLIDONE	7,100	0	0	0	7,100
ROCHE COLORADO CORP.	2075 N. 55TH ST.	BOULDER	BOULDER	80301	2833	TOLUENE	2,800	0	0	0	2,800
ROCKY MOUNTAIN BOTTLE CO.	10619 W. 50TH AVE.	WHEAT RIDGE	JEFFERSON	80033	3221	LEAD	29	0	0	2,900	2,929
ROCKY MOUNTAIN BOTTLE CO.	10619 W. 50TH AVE.	WHEAT RIDGE	JEFFERSON	80033	3221	MERCURY	12	0	0	0	12
ROCKY MOUNTAIN PRESTRESS INC.	301 W. 60TH PL.	DENVER	ADAMS	80216	3272	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	250	0	0	0	250
SAE CIRCUITS COLORADO INC.	4840 N. 63RD. ST.	BOULDER	BOULDER	80301	3672	COPPER	10	0	0	0	10
SAE CIRCUITS COLORADO INC.	4840 N. 63RD. ST.	BOULDER	BOULDER	80301	3672	LEAD	4	0	0	0	4
SAE CIRCUITS COLORADO INC.	4840 N. 63RD. ST.	BOULDER	BOULDER	80301	3672	SODIUM DIMETHYLDITHIOCARBAMATE	10	0	0	0	10
SAFETY-KLEEN (DEER TRAIL) INC.	108555 E. HWY. 36	DEER TRAIL	ADAMS	80105	4953	LEAD COMPOUNDS	106	0	17,938	0	18,044
SAFETY-KLEEN (DEER TRAIL) INC.	108555 E. HWY. 36	DEER TRAIL	ADAMS	80105	4953	MERCURY	1	0	200	0	201
SAFETY-KLEEN (DEER TRAIL) INC.	108555 E. HWY. 36	DEER TRAIL	ADAMS	80105	4953	NITRATE COMPOUNDS	0	134	0	0	134
SAFETY-KLEEN (DEER TRAIL) INC.	108555 E. HWY. 36	DEER TRAIL	ADAMS	80105	4953	SILVER COMPOUNDS	72	0	12,188	0	12,260
SAFETY-KLEEN (DEER TRAIL) INC.	108555 E. HWY. 36	DEER TRAIL	ADAMS	80105	4953	SODIUM NITRITE	65	0	11,064	0	11,129

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SAFETY-KLEEN SYS. (605204)	2841 E. 4TH ST.	PUEBLO	PUEBLO	81001	7389	ETHYLENE GLYCOL	3	0	0	0	3
SANMINA-SCI CORP. PLANT 12	5525 ASTROZON BLVD.	COLORADO SPRINGS	EL PASO	80916	3679	LEAD	86	0	0	7,680	7,766
SANMINA-SCI CORP. PLANT 432	702 BANDLEY DR.	FOUNTAIN	EL PASO	80817	3679	LEAD	86	0	0	0	86
SARTOMER CO. INC.	569 24 1/4 RD.	GRAND JUNCTION	MESA	815051113	2821	1,3-BUTADIENE	880	0	0	0	880
SARTOMER CO. INC.	569 24 1/4 RD.	GRAND JUNCTION	MESA	815051113	2821	MALEIC ANHYDRIDE	50	0	0	0	50
SARTOMER CO. INC.	569 24 1/4 RD.	GRAND JUNCTION	MESA	815051113	2821	STYRENE	255	0	0	0	255
SARTOMER CO. INC.	569 24 1/4 RD.	GRAND JUNCTION	MESA	815051113	2821	XYLENE (MIXED ISOMERS)	420	0	0	0	420
SASHCO INC.	10300 E. 107TH PL.	BRIGHTON	ADAMS	80601	2891	ETHYLENE GLYCOL	250	0	0	250	500
SASHCO INC.	10300 E. 107TH PL.	BRIGHTON	ADAMS	80601	2891	TOLUENE	250	0	0	0	250
SELECT-A-MIX ASPHALT PLANT	1161 W. 64TH AVE.	DENVER	ADAMS	80221	3273	POLYCYCLIC AROMATIC COMPOUNDS	0	0	0	0	0
SHAFER COMMERCIAL SEATING INC.	4101 E. 48TH AVE.	DENVER	DENVER	802163298	2599	1,2,4-TRIMETHYLBENZENE	749	0	0	0	749
SHAFER COMMERCIAL SEATING INC.	4101 E. 48TH AVE.	DENVER	DENVER	802163298	2599	AMMONIA	609	0	0	0	609
SHAFER COMMERCIAL SEATING INC.	4101 E. 48TH AVE.	DENVER	DENVER	802163298	2599	N-BUTYL ALCOHOL	713	0	0	0	713
SHAFER COMMERCIAL SEATING INC.	4101 E. 48TH AVE.	DENVER	DENVER	802163298	2599	XYLENE (MIXED ISOMERS)	282	0	0	0	282
SHELDAHL INC.	1285 S. FORDHAM ST.	LONGMONT	BOULDER	80503	3672	COPPER COMPOUNDS	250	0	0	3	253
SINCLAIR OIL CORP. DENVER PRODS. TERM.	8581 E. 96TH AVE.	HENDERSON	ADAMS	80640	5171	1,2,4-TRIMETHYLBENZENE	500	0	0	0	500
SINCLAIR OIL CORP. DENVER PRODS. TERM.	8581 E. 96TH AVE.	HENDERSON	ADAMS	80640	5171	BENZENE	1,000	0	0	10	1,010
SINCLAIR OIL CORP. DENVER PRODS. TERM.	8581 E. 96TH AVE.	HENDERSON	ADAMS	80640	5171	BENZO(G,H,I)PERYLENE	0	0	0	0	0
SINCLAIR OIL CORP. DENVER PRODS. TERM.	8581 E. 96TH AVE.	HENDERSON	ADAMS	80640	5171	ETHYLBENZENE	500	0	0	255	755
SINCLAIR OIL CORP. DENVER PRODS. TERM.	8581 E. 96TH AVE.	HENDERSON	ADAMS	80640	5171	LEAD COMPOUNDS	0	0	0	5	5
SINCLAIR OIL CORP. DENVER PRODS. TERM.	8581 E. 96TH AVE.	HENDERSON	ADAMS	80640	5171	N-HEXANE	1,306	0	0	0	1,306
SINCLAIR OIL CORP. DENVER PRODS. TERM.	8581 E. 96TH AVE.	HENDERSON	ADAMS	80640	5171	POLYCYCLIC AROMATIC COMPOUNDS	0	0	0	0	0
SINCLAIR OIL CORP. DENVER PRODS. TERM.	8581 E. 96TH AVE.	HENDERSON	ADAMS	80640	5171	TOLUENE	1,324	0	0	255	1,579
SINCLAIR OIL CORP. DENVER PRODS. TERM.	8581 E. 96TH AVE.	HENDERSON	ADAMS	80640	5171	XYLENE (MIXED ISOMERS)	1,500	0	0	500	2,000
SINTON DAIRY FOODS L.L.C.	3801 N. SINTON RD.	COLORADO SPRINGS	EL PASO	80907	2026	AMMONIA	250	0	0	0	250
STORAGE TECH. CORP.	ONE STORAGETEK DR.	LOUISVILLE	BOULDER	80028	3572	DIISOCYANATES	3	0	0	0	3
STORAGE TECH. CORP.	ONE STORAGETEK DR.	LOUISVILLE	BOULDER	80028	3572	LEAD COMPOUNDS	0	0	0	0	0
SUNDYNE CORP.	14845 W. 64TH AVE.	ARVADA	JEFFERSON	80007	3535	CHROMIUM	5	0	4	0	9
SYNTHES (USA)	1051 SYNTHES AVE.	MONUMENT	EL PASO	80132	3842	CHROMIUM	0	0	0	265	265
SYNTHES (USA)	1051 SYNTHES AVE.	MONUMENT	EL PASO	80132	3842	NICKEL	0	0	0	191	191
SYNTHES (USA)	1051 SYNTHES AVE.	MONUMENT	EL PASO	80132	3842	NITRIC ACID	17,862	0	0	0	17,862
TRANE CO.	101 WILLIAM WHITE BLVD.	PUEBLO	PUEBLO	81001	3585	CHLORODIFLUOROMETHANE	8,400	0	0	0	8,400
TRANE CO.	101 WILLIAM WHITE BLVD.	PUEBLO	PUEBLO	81001	3585	COPPER	250	0	0	5	255
TRANE CO.	101 WILLIAM WHITE BLVD.	PUEBLO	PUEBLO	81001	3585	MANGANESE	255	0	0	250	505
TRANE CO.	101 WILLIAM WHITE BLVD.	PUEBLO	PUEBLO	81001	3585	NICKEL	5	0	0	5	10
TRANSPRO INC.	850 E. 50TH ST.	DENVER	ARAPAHOE	80216	3714	LEAD	10	0	0	0	10
TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	BARIUM COMPOUNDS	109	17	1,900,780	0	1,900,906

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TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	16	5	30,130	0	30,151
TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	COBALT COMPOUNDS	3	1	12,026	0	12,030
TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	COPPER COMPOUNDS	8	5	31,065	0	31,078
TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	LEAD COMPOUNDS	3	20	30,026	0	30,049
TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	MANGANESE COMPOUNDS	136	66	250,100	0	250,302
TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	MERCURY COMPOUNDS	0	0	107	0	107
TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	NICKEL COMPOUNDS	13	6	18,104	0	18,123
TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	VANADIUM COMPOUNDS	21	0	82,169	0	82,190
TRAPPER MINING INC.	6.5 MLS SW OF CRAIG, OFF STATE HWY. 13	CRAIG	MOFFAT	81625	1221	ZINC COMPOUNDS	14	12	50,117	0	50,143
TRIGEN-NATIONS ENERGY CO. L.L.L.P.	25 10TH ST.	GOLDEN	JEFFERSON	80401088	4939	BARIUM COMPOUNDS	490	0	0	97,951	98,441
TRIGEN-NATIONS ENERGY CO. L.L.L.P.	25 10TH ST.	GOLDEN	JEFFERSON	80401088	4939	DIOXIN AND DIOXIN-LIKE COMPOUNDS	1	0	0	0	1
TRIGEN-NATIONS ENERGY CO. L.L.L.P.	25 10TH ST.	GOLDEN	JEFFERSON	80401088	4939	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	145,005	0	0	0	145,005
TRIGEN-NATIONS ENERGY CO. L.L.L.P.	25 10TH ST.	GOLDEN	JEFFERSON	80401088	4939	HYDROGEN FLUORIDE	49,505	0	0	0	49,505
TRIGEN-NATIONS ENERGY CO. L.L.L.P.	25 10TH ST.	GOLDEN	JEFFERSON	80401088	4939	LEAD COMPOUNDS	11	0	0	1,981	1,992
TRIGEN-NATIONS ENERGY CO. L.L.L.P.	25 10TH ST.	GOLDEN	JEFFERSON	80401088	4939	MERCURY COMPOUNDS	4	0	0	17	20
TRI-STATE GENERATION & TRANSMISSION - CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	BARIUM COMPOUNDS	2,850	0	5	1,900,000	1,902,855
TRI-STATE GENERATION & TRANSMISSION - CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	BENZO(G,H,I)PERYLENE	0	0	0	0	0
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	CHLORINE	42,289	0	0	0	42,289
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	255	0	5	30,505	30,765
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	COPPER COMPOUNDS	225	5	5	30,500	30,735
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	DIOXIN AND DIOXIN-LIKE COMPOUNDS	1	0	0	0	1
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	76,403	0	0	0	76,403
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	HYDROGEN FLUORIDE	76,712	0	0	0	76,712
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	LEAD COMPOUNDS	240	0	10	30,500	30,750
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	MANGANESE COMPOUNDS	995	0	5	249,000	250,000
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	MERCURY COMPOUNDS	120	0	0	107	227
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	NICKEL COMPOUNDS	265	0	5	18,000	18,270

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TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	POLYCYCLIC AROMATIC COMPOUNDS	4	0	0	0	4
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	150	0	0	0	150
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	VANADIUM COMPOUNDS	245	0	5	82,000	82,250
TRI-STATE GEN. & TRANS.- CRAIG STATION	2101 RANNEY ST.	CRAIG	MOFFAT	81626	4911	ZINC COMPOUNDS	1,055	5	5	50,500	51,565
TRI-STATE GEN. & TRANS.- NUCLA STATION	30739 DD 30 RD.	NUCLA	MONTROSE	81424	4911	BENZO(G,H,I)PERYLENE	0	0	0	0	0
TRI-STATE GEN. & TRANS.- NUCLA STATION	30739 DD 30 RD.	NUCLA	MONTROSE	81424	4911	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	41,801	0	0	0	41,801
TRI-STATE GEN. & TRANS.- NUCLA STATION	30739 DD 30 RD.	NUCLA	MONTROSE	81424	4911	LEAD COMPOUNDS	31	2	0	5,400	5,433
TRI-STATE GEN. & TRANS.- NUCLA STATION	30739 DD 30 RD.	NUCLA	MONTROSE	81424	4911	MERCURY COMPOUNDS	41	0	0	9	50
TRI-STATE GEN. & TRANS.- NUCLA STATION	30739 DD 30 RD.	NUCLA	MONTROSE	81424	4911	POLYCYCLIC AROMATIC COMPOUNDS	0	0	0	0	0
TRI-STATE GEN. & TRANS.- NUCLA STATION	30739 DD 30 RD.	NUCLA	MONTROSE	81424	4911	VANADIUM COMPOUNDS	53	0	0	24,700	24,753
TUMAC INDS. INC.	1101 3RD AVE.	GRAND JUNCTION	MESA	815013709	3441	CHROMIUM	500	5	0	250	755
TUMAC INDS. INC.	1101 3RD AVE.	GRAND JUNCTION	MESA	815013709	3441	MANGANESE	500	5	0	11,433	11,938
TUMAC INDS. INC.	1101 3RD AVE.	GRAND JUNCTION	MESA	815013709	3441	NICKEL	500	5	0	35	540
TUMAC INDS. INC.	1101 3RD AVE.	GRAND JUNCTION	MESA	815013709	3441	ZINC (FUME OR DUST)	750	250	0	750	1,750
U.S. ARMY FORT CARSON	1638 ELWELL ST.	FORT CARSON	EL PASO	809134356	9711	NITRATE COMPOUNDS	0	20,743	0	0	20,743
U.S. ARMY FORT CARSON RANGE FACILITY	RTE. 2 WILDERNESS RD. BLDG. 9550	FORT CARSON	EL PASO	809134000	9711	COPPER	0	0	87,905	0	87,905
U.S. ARMY FORT CARSON RANGE FACILITY	RTE. 2 WILDERNESS RD. BLDG. 9550	FORT CARSON	EL PASO	809134000	9711	LEAD	0	0	50,583	0	50,583
U.S. ARMY FORT CARSON RANGE FACILITY	RTE. 2 WILDERNESS RD. BLDG. 9550	FORT CARSON	EL PASO	809134000	9711	LEAD COMPOUNDS	905	0	0	0	905
U.S. DEPARTMENT OF THE TREASURY U.S. MINT	320 W. COLFAX AVE.	DENVER	DENVER	802042693	3469	COPPER	50	0	0	8,540	8,590
U.S. DEPARTMENT OF THE TREASURY U.S. MINT	320 W. COLFAX AVE.	DENVER	DENVER	802042693	3469	LEAD	0	0	0	19	20
U.S. DEPARTMENT OF THE TREASURY U.S. MINT	320 W. COLFAX AVE.	DENVER	DENVER	802042693	3469	MANGANESE	17	0	0	863	880
U.S. DEPARTMENT OF THE TREASURY U.S. MINT	320 W. COLFAX AVE.	DENVER	DENVER	802042693	3469	NICKEL	17	0	0	863	880
U.S. DOE ROCKY FLATS ENVIRONMENTAL TECH. SITE	SEC 1-4 9-16 TOWNSHIP 2 S. RANGE 70 W. 6TH PRIN. MERID	GOLDEN	JEFFERSON	804038200	3489	LEAD	2	0	0	3,108	3,111
U.S. EPA FUND-LEAD SUPERFUND SITE/SUMMITVILLE MINE	SUMMITVILLE	SUMMITVILLE	RIO GRANDE	811329714	9511	COPPER COMPOUNDS	0	15,640	61,820	0	77,460
U.S. EPA FUND-LEAD SUPERFUND SITE/SUMMITVILLE MINE	SUMMITVILLE	SUMMITVILLE	RIO GRANDE	811329714	9511	MANGANESE COMPOUNDS	0	31,744	46,150	0	77,894
U.S. EPA FUND-LEAD SUPERFUND SITE/SUMMITVILLE MINE	SUMMITVILLE	SUMMITVILLE	RIO GRANDE	811329714	9511	ZINC COMPOUNDS	0	9,800	23,540	0	33,340
UNICIRCUIT INC.	8192 SOUTHPARK LN.	LITTLETON	ARAPAHOE	80120	3679	LEAD	5	0	0	0	5

APPENDIX A
COLORADO TRI 2001 DATA SUMMARY

Facility Name	Street	City	County	Zip Code	Primary SIC Code	Chemical Name	Total Releases to Air	Total Releases to Surface Water	Total On-Site Releases to Land	Total Transfers Off-Site for Disposal	Total On-Site and Off-Site Releases
UNIT TRAIN LOADOUT	OLD STATE HWY. 133	PAONIA	DELTA	81428	1222	LEAD COMPOUNDS	1	0	0	0	1
VALLEY METAL CONTAINER	17755 W. 32ND AVE.	GOLDEN	JEFFERSON	804010030	3411	CERTAIN GLYCOL ETHERS	72,000	0	0	230	72,230
VALLEY METAL CONTAINER	17755 W. 32ND AVE.	GOLDEN	JEFFERSON	804010030	3411	MANGANESE	0	2	0	28	30
VALLEY METAL CONTAINER	17755 W. 32ND AVE.	GOLDEN	JEFFERSON	804010030	3411	N-BUTYL ALCOHOL	154,000	0	0	500	154,500
VALLEY METAL CONTAINER	17755 W. 32ND AVE.	GOLDEN	JEFFERSON	804010030	3411	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1,900	0	0	0	1,900
VALLEYLAB INC.	5920 LONGBOW DR.	BOULDER	BOULDER	80301	3841	LEAD	0	0	0	0	0
VOPAK USA	4300 HOLLY ST.	DENVER	MESA	80216	5169	CERTAIN GLYCOL ETHERS	21	0	0	0	21
VOPAK USA	4300 HOLLY ST.	DENVER	MESA	80216	5169	ETHYLENE GLYCOL	19	0	0	0	19
VOPAK USA	4300 HOLLY ST.	DENVER	MESA	80216	5169	METHANOL	1,061	0	0	0	1,061
VOPAK USA	4300 HOLLY ST.	DENVER	MESA	80216	5169	NITRIC ACID	19	0	0	0	19
VOPAK USA	4300 HOLLY ST.	DENVER	MESA	80216	5169	XYLENE (MIXED ISOMERS)	118	0	0	0	118
W. J. WHATLEY INC.	6980 E. 54TH PL.	COMMERCE CITY	ADAMS	80022	3089	STYRENE	34,854	0	0	0	34,854
WALL TECH. INC.	2750 INDUSTRIAL LN.	BROOMFIELD	BROOMFIELD	80020	2522	DICHLOROMETHANE	19,000	0	0	0	19,000
WEATHERFORD ARTIFICIAL LIFT SYS.	3445 N. MARKSHEFFEL RD.	COLORADO SPRINGS	EL PASO	80922	3533	CHROMIUM	4	4	0	1,214	1,222
WEATHERFORD ARTIFICIAL LIFT SYS.	3445 N. MARKSHEFFEL RD.	COLORADO SPRINGS	EL PASO	80922	3533	COPPER	0	0	0	40	40
WEATHERFORD ARTIFICIAL LIFT SYS.	3445 N. MARKSHEFFEL RD.	COLORADO SPRINGS	EL PASO	80922	3533	LEAD	0	0	0	34	34
WESTERN FORGE CORP.	4607 FORGE RD.	COLORADO SPRINGS	EL PASO	80907	3423	LEAD	0	0	0	0	0
WESTERN FOUNDRIES INC.	100 MARTIN ST.	LONGMONT	BOULDER	80501	3325	CHROMIUM	10	0	0	5	15
WESTERN FOUNDRIES INC.	100 MARTIN ST.	LONGMONT	BOULDER	80501	3325	LEAD	0	0	0	0	0
WESTERN FOUNDRIES INC.	100 MARTIN ST.	LONGMONT	BOULDER	80501	3325	NICKEL	10	0	0	5	15
WESTERN SUGAR CO.	18317 HWY. 144	FORT MORGAN	MORGAN	80701	2063	AMMONIA	31,326	0	3,153	0	34,479
WESTERN SUGAR CO.	1302 1ST AVE.	GREELEY	WELD	80631	2063	AMMONIA	55,809	2,207	866	0	58,882
WESTERN SUGAR CO.	18317 HWY. 144	FORT MORGAN	MORGAN	80701	2063	BARIUM	0	0	27,380	0	27,380
WESTERN SUGAR CO.	18317 HWY. 144	FORT MORGAN	MORGAN	80701	2063	LEAD	19	0	276	0	295
WOODWORKERS OF DENVER INC.	1475 S ACOMA ST.	DENVER	DENVER	802233222	2541	METHYL ETHYL KETONE	750	0	0	0	750
WOODWORKERS OF DENVER INC.	1475 S ACOMA ST.	DENVER	DENVER	802233222	2541	TOLUENE	750	0	0	0	750
WRIGHT & MCGILL CO.	4245 E. 46TH AVE.	DENVER	DENVER	80216	3949	NITRATE COMPOUNDS	0	0	250	250	500
WRIGHT & MCGILL CO.	4245 E. 46TH AVE.	DENVER	DENVER	80216	3949	SODIUM NITRITE	0	0	250	250	500
TOTALS							3,629,560	3,752,552	24,067,889	6,463,939	37,913,940