



# National Overview 2000

## National Pollutant Release Inventory

*Canadian Environmental Protection Act, 1999*

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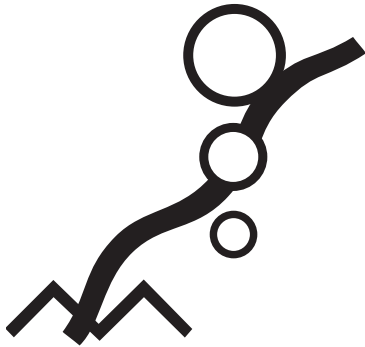
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# **National Overview 2000**

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*Canadian Environmental Protection Act, 1999*

This report was prepared by Environment Canada's National Pollutant Release Inventory (NPRI) and Pollution Data Branch Information Systems, in collaboration with NPRI regional offices across Canada (Pacific and Yukon offices in British Columbia and Yukon Territory, Prairie and Northern offices in Alberta, Manitoba, Saskatchewan, Northwest Territories and Nunavut, Ontario regional office, Quebec regional office, and Atlantic regional office in Nova Scotia).

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## Executive Summary

### 2000 National Overview

The 2000 National Overview is the eighth annual report published under Environment Canada's National Pollutant Release Inventory (NPRI) program. This report provides information on 268 listed substances, specifically their on-site releases to air, water, land and underground injection, and off-site transfers for disposal or recycling.

The 268 substances listed in the NPRI for the 2000 reporting year increased in number from 245 in 1999. Twenty substances that pose serious risks to human health or the environment in relatively low quantities, now have been listed at much lower thresholds (alternate thresholds) than the original 10-tonne and 1% concentration threshold.

The NPRI is the only legislated, nation-wide, publicly-accessible inventory of its type in Canada. The data collected supports a number of regulatory and environmental initiatives that assist governments and others in identifying priorities for action, encouraging industry to take voluntary action and allowing for tracking of progress in reducing releases. Since its inception in 1992, the role of the NPRI has expanded to include the collection of information on recycling and pollution-prevention activities to minimize the generation of pollutants.

Although NPRI data are useful as a starting point in identifying some of the sources of pollutants and their possible risks to human health and the Canadian environment, they represent only a portion of all chemical releases and transfers to the Canadian environment from a range of industrial and non-industrial sources. Releases of a particular pollutant by a facility reporting to the NPRI may represent only a portion of the releases in a particular area.

The 2000 National Overview focuses on data collected for the 2000 calendar year, with trends of matched data (cumulative data for the same substance over a number of years), as they appeared in the NPRI database on December 15, 2001. The trend analysis in this report examines the data reported for a consistent set of substances from 1997 to 2000, excluding the 73 substances added in 1999 and the 23 substances added in 2000; data for these latter substances were not cumulative.

Non-confidential NPRI information and data are accessible on Environment Canada's NPRI Web site at <[www.ec.gc.ca/pdb/npri/](http://www.ec.gc.ca/pdb/npri/)>. The NPRI data on the Web site are updated regularly as a result of new or revised reports submitted by facilities. As a result of revisions submitted after December 15, 2001, quantities identified in this report may differ from those in the national database.

### Highlights of the Year 2000

#### Changes in Reporting Requirements for the 2000 NPRI

##### New Substances with Original Reporting Thresholds

For 2000, four substances were added to the NPRI list of substances:

- acrolein;
- 4-*tert*-octylphenol;
- oxirane, methyl-, polymer with oxirane, mono(nonylphenyl)ether; and
- polymeric diphenylmethane diisocyanate (commonly referred to as PMDI).

##### New Substances with Alternate Reporting Thresholds

Prior to 2000, companies were required to report releases and transfers for disposal and recycling of substances when they were manufactured, processed or otherwise used in quantities in excess of 10 tonnes per year. As of the 2000 reporting year, facilities were required to report some substances at lower thresholds, known as alternate reporting thresholds. These lower thresholds were implemented for four groups of substances that pose a greater risk per unit of weight:

- mercury (and its compounds) – manufacture, process or otherwise use 5 kg/year;
- 17 individual polycyclic aromatic hydrocarbons (PAHs) – 50 kg/year of releases and transfers;

- hexachlorobenzene (HCB) – from selected activities with no quantitative threshold; and
- polychlorinated dibenzo-*p*-dioxins (dioxins) and polychlorinated dibenzofurans (furans) – from selected activities with no quantitative threshold.

#### Employee Criteria

Prior to 2000, companies generally did not have to report to the NPRI if the total hours worked by all employees at their facility was less than 20 000 hours per year. This threshold was removed in 2000 for facilities used for wood preservation and certain types of incineration.

#### Highlights of the 2000 NPRI Data

Data were collected from 2 419 facilities, that submitted 10 976 reports for 197 pollutants. Facility data were reported in the following categories:

- on-site releases totalling 372 513 tonnes;
- off-site transfers for disposal totalling 81 404 tonnes, of which 41 000 tonnes were to final disposal and 40 404 tonnes were treated prior to final disposal; and
- off-site transfers for recycling totalling 1 131 831 tonnes.

#### a) On-site Releases

On-site releases accounted for 23% of all releases and off-site transfers to the environment – 44% of total releases were to underground injection, 35% to air, 12% to water and 9% to land.

On-site releases of NPRI-listed pollutants increased by 47 115 tonnes (or 14.5%) in 2000 from 1999. Increases were primarily the result of an additional 26 946 tonnes being released to underground injection, 90% of which was hydrogen sulphide, and an additional 23 780 tonnes (111%) released to water and consisting mainly of total ammonia and nitrate ion in solution. Other notable changes from 1999 included a 1 421-tonne (82%) increase in releases of the friable form of asbestos to land disposal and a 8 061-tonnes (48%) decrease in zinc (and its compounds) disposal also to land. Hydrogen sulphide alone accounted for 42% of all on-site releases, total ammonia for 13%, methanol for 7% and nitrate ion in solution for 5%.

Increases in releases of hydrogen sulphide, a by-product of the petroleum and natural gas processing industries, were the result of increased production in Alberta and British Columbia. Increases in total ammonia and nitrate ion in solution originated from newly-reporting wastewater treatment plants also in western Canada, but do not represent an increase in releases to water. Increases in friable asbestos (1 421 tonnes) to landfill corresponded to increased asbestos removal and disposal activities in Alberta. Decreases in zinc and its compounds (8 061 tonnes) were attributable to decreases at one waste-disposal facility and closure of another, both in Ontario.

On-site releases of CEPA-toxic and carcinogenic pollutants accounted for 51.9% of total releases and transfers in this data set which, in 2000, did not change from 1999 levels. More specifically, 57% of on-site releases were to land, 42% to air, 0.4% to water and 0.4% to underground injection. Calcium fluoride accounted for 36% of all toxic releases, lead and its compounds for 11%, hydrogen fluoride for 11%, the friable form of asbestos for 10% and dichloromethane for 7%. Calcium fluoride was released mostly to land by an electro-chemical facility in Quebec. Other notable changes included a 1 421-tonne (or 82%) increase in friable asbestos (representing 10% of the toxic releases on-site as noted above) and a 1 073-tonne (or 78%) decrease in arsenic and its compounds, attributed to the closure of a gold mine in Yellowknife, NT.

Using the matched data set for multi-year data comparison, on-site releases which accounted for 37.5% of all releases and transfers of matched pollutants in 2000, increased by 12% from 1999 levels. This was attributed to a 23 751-tonne (or 157%) increase in releases to water of total ammonia and nitrate ion in solution, originating from newly-reporting wastewater treatment facilities. On-site releases to land, primarily zinc (and its compounds) to landfill as noted above, decreased by 27% (or 15 101 tonnes). Releases to air and underground injection remained the same.

**b) Off-site Transfers for Disposal**

Off-site transfers for disposal, which accounted for 5.1% of all releases and transfers in 2000, decreased by 50 411 tonnes (or 38%) from 1999. This reflects the 56 259-tonne decrease (or 58%) reported in off-site transfers for final disposal, mostly to landfill (72%). Off-site transfers for treatment prior to final disposal increased by 17% in 2000.

The large decrease in off-site transfers to landfill was attributable to decreases in zinc and its compounds which remains as the pollutant transferred off-site in the largest quantities, even after undergoing a 62% decrease (21 518 tonnes) from 1999 levels, decreases in lead and its compounds, now in 13<sup>th</sup> place with an 89% reduction (13 517 tonnes) from 1999 levels, chromium and its compounds dropping to 10<sup>th</sup> place with a 65% decrease (6 421 tonnes) and cadmium and its compounds with a decrease of 11 994 tonnes removing it from the top 25 pollutants. Reductions in these four metals resulted primarily from the closure of a large waste-management facility in Hamilton, ON, and in the case of zinc, to reduced disposal at four other facilities in Ontario.

The 125% increase in total ammonia (2 073 tonnes) originated mainly from increased reporting of wastewater treatment plants and the 36% increase (1 701 tonnes) in nitrate ion in solution originated mainly from an increase in transfers from a synthetic dye and pigment plant and other reporting facilities. The 53% increase in ethylene glycol (1 445 tonnes) was from off-site transfers from several international airports across the country.

Off-site transfers for disposal of CEPA-toxic and carcinogenic pollutants accounted for 15.7% of all releases and transfers in this data set, with 71% transferred to landfill. Calcium fluoride was the pollutant transferred off site in the largest quantity (3 775 tonnes), mostly to landfill (76%), with no significant change from 1999. Transfers of lead and cadmium and their compounds both decreased significantly (13 517 tonnes and 12 130 tonnes respectively) as noted above. Nickel and its compounds increased by 56% (or 383 tonnes), mainly attributable to one stainless steel facility in Quebec.

Using the matched data set for multi-year data comparison, off-site transfers for disposal, which accounted for 17% of all releases and transfers of matched pollutants in 2000, decreased significantly by 60% (or 56 520 tonnes), mainly from land disposal of zinc, lead, chromium and cadmium and their compounds, primarily from the closure of a large waste-management facility in Hamilton, ON, and, in the case of zinc, to reduced disposal at four other facilities also in Ontario.

**c) Off-site Transfers for Recycling**

Off-site releases for recycling, which accounted for 71% of all releases and transfers in 2000, increased by 4.7% (or 50 712 tonnes) from 1999. Of these transfers, 83% were categorized as 'other recovery, re-use and recycling activities'.

Hydrogen sulphide was recycled in the largest quantity (928 929 tonnes) and accounted for 99% of all transfers in the 'other recovery' category, 82% of all transfers for recycling and energy recovery and 60% of all releases and transfers in 2000. Three energy plants in British Columbia were responsible for all hydrogen sulphide recycling in 2000.

Sulphuric acid was the substance recycled in the second-largest quantity (41 181 tonnes), copper and its compounds was the third (36 599 tonnes), zinc and its compounds was fourth (35 618 tonnes), lead and its compounds was fifth (13 709 tonnes) and manganese and its compounds, sixth (13 593 tonnes). Sulphuric acid, copper and zinc did not vary greatly from 1999 levels; manganese increased by 30% and ethylene glycol by 343% (5 598 tonnes). Increases in manganese transfers for recycling were mostly from two motor vehicle stamping facilities in Ontario, and a new fabricated metals products facility in Edmonton, AB. Increases in ethylene glycol (5 408 tonnes) were attributed to a new reporting oil and gas extraction facility in Nova Scotia.

Off-site transfers of CEPA-toxic and carcinogenic substances for recycling accounted for 33% of all toxic releases and transfers in 2000, and for 2% of all off-site transfers for recycling in 2000. Ninety percent of toxic transfers for recycling (18 261 tonnes) were in the metals category. Lead (13 709 tonnes) and nickel (4 804 tonnes) were the two substances recycled in the largest quantities, followed by 486 tonnes of arsenic. Notable changes included a 32%

decrease in the amount of arsenic recycled from 1999 values, a 42% decrease in the amount of dichloromethane to 305 tonnes, a 65% decrease in calcium fluoride to 119 tonnes, and a 266% increase to 137 tonnes in *bis*(2-ethylhexyl) phthalate, used in the plastics industry. The increase in mercury to 30 tonnes was the result of a lowered reporting threshold in 2000.

Decreases in arsenic resulted from reduced production at a metallurgical smelting facility in Montreal, QC. Reductions in dichloromethane originated from two chemical and chemical products facilities in Edmonton, AB, and waste treatment and disposal facilities in Delta, BC, and Barrie, ON. Decreases in calcium fluoride were the result of two aluminum facilities in Quebec reporting zero off-site transfers for recycling in 2000. The increase in *bis*(2-ethylhexyl) phthalate was solely the result of a 10-fold increase in production at a facility in Baie D'Urfé, QC.

Using the matched data set for multi-year data comparison, off-site transfers for recycling of matched substances accounted for 45.5% of all releases and transfers in 2000 and 18% of all off-site transfers for recycling in 2000, an increase of 15% from 1999, primarily as the result of a 15.6% increase (25 145 tonnes) in recycling activities. Substances that contributed to the increase were ethylene glycol, up by 5 598 tonnes from 1999, zinc and its compounds up by 5 569 tonnes, copper and its compounds up by 3 932 tonnes, manganese and its compounds up by 3 102 tonnes and sulphuric acid up by 2 806 tonnes. Only ethylene glycol and manganese exhibited notable increases from 1999 values as noted above.



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# 1. Overview of the NPRI

## 1.1 What is the NPRI?

The National Pollutant Release Inventory (NPRI) is a legislated, nation-wide, publicly-accessible inventory of pollutants released to the environment. It was created in 1992 to provide Canadians with information on pollutant releases from facilities located in their communities, including the quantities discharged to air, water, land or underground injection, and the quantities sent to other facilities for disposal, treatment or recycling. It also supports a number of environmental initiatives by providing information that:

- assists governments and others to identify priorities for action;
- encourages industry to take proactive measures to reduce releases;
- allows for tracking of progress in reducing releases; and
- supports a number of regulatory initiatives across Canada.

The NPRI is a constantly evolving program. Public and stakeholder consultation is an integral part of the changes to the program. Since its inception, substances have been added and deleted, the thresholds at which substances are reported have been adjusted, and the NPRI has expanded in scope to collect data on recycling and pollution-prevention activities. Further refinements are planned for future years.

The NPRI program is delivered by Environment Canada under the authority of the *Canadian Environmental Protection Act (CEPA)\**. The requirements for owners or operators of facilities that manufacture, process or otherwise use one or more of the NPRI-listed substances (under prescribed conditions), to submit an annual report to Environment Canada on the releases and transfers of those substances are published in the *Canada Gazette, Part I*.

## 1.2 NPRI List of Substances

The NPRI substance list was developed through public consultation and includes substances of health or environmental concern. There were 178 substances on the first NPRI list in 1993.

For the 2000 reporting year, there were 268 substances listed in the NPRI, 67 of which have been declared either toxic under the CEPA 1999 or designated carcinogenic Class 1 or Class 2A by the International Agency for Research on Cancer (IARC) (see Chapter 4). The original 10-tonne manufacture, process or otherwise use reporting threshold applies to 248 substances; the remaining 20 substances have alternate reporting thresholds. The list of NPRI substances for the 2000 reporting year is provided in Appendix A.

Each chemical substance is identified by a unique Chemical Abstract Service (CAS) registry number, assigned by the American Chemical Society. Although a given substance may be known by various chemical or trade names, it has only one CAS number. Some of the substances in the NPRI have been combined into groups, such as “cadmium (and its compounds)”. In these cases, no specific CAS number is assigned to the grouping.

## 1.3 Who Reports to the NPRI?

In general, any person who owns or operates a facility in Canada was required to report to the NPRI for 2000 if the facility met or exceeded all criteria for the type of activity, the number of employees or hours worked and, in most cases, the amount of NPRI-listed substances manufactured, processed or otherwise used in specified amounts (referred to as “thresholds”).

The following criteria applied to the 2000 reporting year, and are summarized in Table 1-1:

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\* The CEPA (1988) was in force for previous years of NPRI reporting. The CEPA 1999 came into force in April 2000, and is the authority for the 2001 reporting year and beyond.

### 1.3.1 Facility Criteria

A facility, or any part thereof, was required to report to the NPRI, if it met the employee criteria and substance thresholds, unless it was used exclusively for one of the following activities:

- education or training students, such as universities, colleges and schools;
- research or testing;
- maintenance and repair of transportation vehicles, such as automobiles, trucks, locomotives, ships or aircraft;
- distribution, storage or retail sale of fuels;
- wholesale or retail sale of articles or products which contain NPRI-listed substances, provided that the substances are not released to the environment during normal use at the facility;
- retail sale of NPRI-listed substances;
- growing, harvesting or management of renewable natural resources, such as fisheries, forestry or agriculture, but not those facilities that process or otherwise use their products;
- mining, but not those facilities engaged in further processing of mined materials;
- drilling or operating wells to obtain oil and gas products, but not those facilities engaged in further processing of these oil and gas products; or
- the practice of dentistry.

### 1.3.2 Employee Criteria

A facility was required to report to the NPRI if, during the 2000 calendar year:

- the number of hours worked by all employees totalled 20 000 or more, or
- the facility was used for any of the following activities to which the 20 000-hour employee threshold did not apply:
  - non-hazardous solid waste incineration of 100 tonnes or more of waste per year, including small combustion units, teepee burners and beehive burners;
  - biomedical or hospital waste incineration of 100 tonnes or more of waste per year;
  - hazardous waste incineration;
  - sewage sludge incineration; or
  - wood preservation.

For the 2000 reporting year, the 20 000-hour employee threshold was removed for facilities used for these activities because, although they were known to release significant quantities of NPRI pollutants to the environment, they may not have been required to report if they did not also meet the 20 000-hour employee threshold.

**TABLE 1-1:  
REPORTING CRITERIA FOR THE 2000 NPRI**

	Part 1	Part 2	Part 3	Part 4
Substance(s)	248 substances	Mercury (and its compounds)	Polycyclic aromatic hydrocarbons (PAHs) – 17 different substances	Hexachlorobenzene (HCB) and polychlorinated dibenzo- <i>p</i> -dioxins and polychlorinated dibenzofurans (dioxins and furans)
Employee criteria:	Employees worked a total of 20 000 hours or more during the year, or the facility was used for certain types of incineration <sup>1</sup> or wood preservation.	Employees worked a total of 20 000 hours or more during the year, or the facility was used for certain types of incineration <sup>1</sup> or wood preservation.	Employees worked a total of 20 000 hours or more during the year, or the facility was used for certain types of incineration <sup>1</sup> or wood preservation.	Employees worked a total of 20 000 hours or more during the year in certain sectors <sup>3</sup> , or the facility was used for certain types of incineration <sup>1</sup> or wood preservation.
Substance threshold:	The substance was manufactured, processed or otherwise used in a quantity of 10 tonnes or more during the year, and the concentration of the substance was greater than or equal to 1% by weight (except by-products <sup>2</sup> ).	Mercury was manufactured, processed or otherwise used in a quantity of 5 kg or more during the year (at any concentration).	Any individual PAH was incidentally manufactured and the quantity of all PAHs incidentally manufactured and released or transferred together totalled 50 kg or more.	No quantitative threshold – all facilities used or engaged in identified activities <sup>1,3</sup> that have the potential to incidentally manufacture dioxins/furans or HCB must submit an NPRI report.
Other			Any PAH released or transferred from a wood preservation process using creosote, regardless of quantity of PAH released or transferred or number of hours worked by employees.	A facility used for wood preservation using pentachlorophenol must report for dioxins/furans and HCB regardless of quantities released or transferred or number of hours worked by employees.
1	Facilities used for the following incineration activities must report to the NPRI, regardless of the number of employees or hours worked:			
	<ul style="list-style-type: none"> <li>• non-hazardous solid waste incineration of 100 tonnes or more of waste per year, including small combustion units, teepee burners and beehive burners;</li> <li>• biomedical or hospital waste incineration of 100 tonnes or more of waste per year;</li> <li>• hazardous waste incineration; or</li> <li>• sewage sludge incineration.</li> </ul>			
2	By-products must be included in the calculation of the 10-tonne threshold, even if they are at a concentration of less than 1%.			
3	Facilities engaged in the following activities must report releases and transfers of substances in Part 4 if it met the 20 000-hour employee threshold:			
	<ul style="list-style-type: none"> <li>i. non-hazardous solid waste incineration of 100 tonnes or more of waste per year, including small combustion units, teepee burners and beehive burners;</li> <li>ii. biomedical or hospital waste incineration of 100 tonnes or more of waste per year;</li> </ul>			
	<ul style="list-style-type: none"> <li>iii. hazardous waste incineration;</li> <li>iv. sewage sludge incineration;</li> <li>v. base metals smelting (copper, lead, nickel and zinc);</li> <li>vi. smelting of secondary lead;</li> <li>vii. smelting of secondary aluminum;</li> <li>viii. manufacturing of iron using a sintering process;</li> <li>ix. operation of electric arc furnaces in steel manufacturing;</li> <li>x. operation of electric arc furnaces in steel foundries;</li> <li>xi. production of magnesium;</li> <li>xii. manufacturing of portland cement;</li> <li>xiii. production of chlorinated organic solvents or chlorinated monomers;</li> <li>xiv. combustion of fossil fuel in a boiler unit, for the purpose of producing steam for the production of electricity, with a generating capacity of 25 megawatts or greater of electricity;</li> <li>xv. combustion of fuel in kraft liquor boilers used in the pulp and paper sector; or</li> <li>xvi. combustion of hog fuel originating from logs that were transported or stored in salt water in the pulp and paper sector.</li> </ul>			

### 1.3.3 Substance Thresholds

Prior to 2000, a facility was generally required to report releases and transfers of an NPRI-listed substance if that substance was manufactured, processed or otherwise used in a quantity exceeding 10 tonnes per year, at a concentration equal to or greater than 1% by weight, and by-products at any concentration.

Significant changes were made to the NPRI for the 2000 reporting year in the reporting of some substances that pose serious risks to human health or the environment in relatively low quantities. Beginning in the 2000 reporting year, the NPRI substance list was divided into four parts, each with different reporting thresholds. Table 1-1 provides a comparison of the reporting criteria for substances designated as “Part 1”, with the 10-tonne and 1% concentration threshold, and those designated as “Part 2”, “Part 3” and “Part 4” that have alternate reporting thresholds. Of the substances with alternate reporting thresholds, only mercury (Part 2) was previously listed in the NPRI at the original 10-tonne and 1% concentration threshold.

For the 2000 reporting year, the following substances were listed at alternate reporting thresholds:

- 17 individual polycyclic aromatic hydrocarbons (PAHs) – 50 kg/year of releases and transfers;
- Polychlorinated dibenzo-*p*-dioxins (dioxins)/ polychlorinated dibenzofurans (furans) – from selected activities, with no quantitative threshold;
- Hexachlorobenzene (HCB) – from selected activities, with no quantitative threshold; and
- Mercury (and its compounds) – manufacture, process or otherwise use 5 kg/year.

In addition to the substances added at alternate reporting thresholds, four substances were added in 2000, at the original 10-tonne and 1% concentration threshold:

- Acrolein (CAS No. 107-02-8);
- 4-*tert*-octylphenol (CAS No. 140-66-9);
- Oxirane, methyl-, polymer with oxirane, mono(nonylphenyl) ether (CAS No. 37251-69-7); and
- Polymeric diphenylmethane diisocyanate (PMDI) (CAS No. 9016-87-9).

## 1.4 What is Reported to the NPRI?

Any facility in Canada meeting the NPRI reporting criteria is legally required to submit a report to Environment Canada. A report includes information specific to the facility, such as identification (name, number of employees, etc.), contact information (address, telephone, etc.), and industrial classification codes. Reporting for each NPRI substance includes an indication of whether the substance was manufactured, processed or otherwise used, and the nature of such activities and uses during the year. Specifically, facilities report:

- the quantity released on site to air, water, land and underground injection;
- the quantity transferred off site for disposal and the nature of treatment, destruction or containment;
- the quantity transferred off site for recycling, subdivided by recovery of energy and various materials such as solvents, catalysts, metals, etc.;
- the reasons for changes in reported releases or transfers compared to the previous year; and
- pollution-prevention activities.

Facilities are also encouraged to provide comments to explain year-to-year changes.

Facilities are required to provide information to which they can reasonably be expected to have access. To quantify releases and transfers, a range of methods may be used. Listed in declining order of expected accuracy for most calculations, these include:

- direct measurement or monitoring – an example is the measurement of the volume of gas discharged from an industrial stack and the concentration of a given pollutant within that stack flow;
- mass balance calculations – knowledge of the quantity of a substance going into an industrial process and what happens to it as part of the process – consumed, chemically transformed, etc. – to allow a calculation of how much will leave the process and in what form;

- emission factors – published models or equations which predict the amount of pollutant(s) generated as a function of some measurable quantity at the facility (e.g., kilograms of benzene emitted per cubic metre of fuel burned). The factors are typically developed based on actual measurement; and
- engineering estimates – estimation method based on physical and/or chemical properties of substances and process conditions.

Most facilities reporting to the NPRI use an electronic reporting form. Each year, a guidance document and reporting software are mailed to facilities that reported to the NPRI for the previous year. Other facilities required to report to the NPRI must register at one of the NPRI regional offices to receive a copy of the guidance document and reporting software.

Prior to each NPRI reporting year, notification with respect to the substances, the criteria and the information to be reported are published in the *Canada Gazette*, Part I. NPRI reports for a given calendar year must be submitted to Environment Canada by June 1 of the subsequent year.

#### 1.4.1 On-site Releases and Off-site Transfers

##### On-site Releases

An on-site release is a discharge of an NPRI-listed pollutant to the environment, within the physical boundaries of the facility. This includes:

- emissions to the air – discharges through a stack, vent or other point release, losses from storage and handling of materials, fugitive emissions; spills and accidental releases, and other non-point releases;
- releases to surface waters – discharges, spills, leaks, but not including discharges to municipal wastewater treatment plants (which are reported under off-site transfers for treatment);
- releases to land – landfills (burial of wastes), land treatment, spills and leaks; and
- underground injection – subject to provincial regulation, wastes are injected into known geological formations at great depths.

##### Off-site Transfers

An off-site transfer is a shipment of an NPRI-listed substance to an off-site location for disposal or for recycling. Off-site transfers for disposal are further broken down into two categories.

**Off-site Transfers for Disposal** – “disposal” is the final disposal of the material (e.g., landfill), storage or treatment prior to final disposal. Eight major methods are identified:

- *off-site transfers for final disposal:*
  - containment – Two forms of containment are identified:
    - i) landfill
    - ii) other storage;
  - underground injection at an off-site location; and
  - land treatment – for the purpose of land application or land farming;
- *off-site transfers for treatment prior to final disposal:*
  - physical treatment – such as drying, evaporation, encapsulation or vitrification;
  - chemical treatment – such as precipitation, stabilization and neutralization;
  - biological treatment – such as bio-oxidation;
  - incineration or thermal treatment where energy is not recovered; and
  - municipal sewage treatment plant.



*Off-site Transfers for Recycling* – “recycling” refers to activities that keep a material or a component of the material from becoming a waste destined for final disposal. Ten types of recycling operations are identified:

- energy recovery – the NPRI substance or the material containing it has sufficient energy content (BTU value) to allow its use as an alternative to fossil fuels or other forms of energy;
- recovery of solvents;
- recovery of organic substances (other than solvents);
- recovery of metals and metal compounds;
- recovery of inorganic materials (other than metals);
- recovery of acids and bases;
- recovery of catalysts;
- recovery of pollution-abatement residues;
- refining or reuse of used oil; and
- other recovery, reuse or recycling activities.

#### 1.4.2 Pollution-prevention Activities

Pollution prevention is defined as “the use of processes, practices, materials, products, substances or energy that avoid or minimize the creation of pollutants and waste, and reduce the overall risk to the environment or human health” (CEPA 1999).

Pollution prevention (P2) seeks to eliminate or eliminate the cause of pollution rather than managing it after it has been created. One example is the use of reformulated paints, with a lower percentage of toxic constituents in their formulation, thereby reducing the release of toxic contaminants.

Since 1997, the reporting of P2 activities for NPRI-listed substances has been a mandatory requirement under the NPRI. Facilities that have taken measures to prevent the generation of NPRI pollutants and wastes are asked to indicate, from the list of pollution-prevention techniques and practices provided, what type of P2 activities they have implemented, on a substance-by-substance basis. They are asked to provide qualitative data only, but are encouraged to provide further details on the nature of their P2 activities if they so desire (including environmental and economic benefits).

Facilities are required to report on their P2 activities for NPRI-listed substances only. However, they are also encouraged to provide information on other P2 initiatives (e.g., P2 activities for non-NPRI substances, water and energy conservation initiatives, etc.).

#### 1.4.3 Confidential Information

Pursuant to sections 51 and 313 of the CEPA 1999, any person who provides information in response to an NPRI *Canada Gazette* notice may submit a written request that it be treated as confidential based on the reasons set out in section 52 of the CEPA 1999. A request for confidentiality will be denied if the data are already in the public domain.

The NPRI does not use confidential data in any of its public reports. It does, however, report on the number of facilities granted confidentiality status and their overall contribution to releases and transfers.

### 1.5 Factors to Consider when Using NPRI Data

NPRI data provide publicly-available annual records of on-site releases and off-site transfers of listed pollutants from facilities operating in Canada. However, NPRI data represent only a portion of all chemical releases and transfers to the Canadian environment.

Other substances, such as greenhouse gases (e.g., carbon dioxide and methane), many pesticides and other pollutants are not part of the current list of NPRI substances and may be reported to other inventories or managed under other programs.



While the NPRI program currently collects pollutant release and transfer data from a broad range of industrial and non-industrial sectors, not all sources are captured by the NPRI. For example, industrial and stationary fuel combustion sources and mobile sources (e.g., automobiles and trucks), are known to be major contributors of hazardous air pollutants (e.g., benzene and 1,3-butadiene, both of which are CEPA-toxic/carcinogenic pollutants). Long-range transboundary air pollution (LRTAP) from other countries may be a contributor of persistent organic pollutants (POPs) and heavy metals (HM) such as cadmium and mercury.

Facilities that do not meet the reporting thresholds because of their size (either the number of employees or the quantity of substances used), such as dry cleaners, or because they are exempt, such as gas stations, do not report to the NPRI. Collectively, however, releases from these sources may account for the majority of releases of some pollutants.

Releases of a particular pollutant by a facility reporting to the NPRI should be considered in the overall context of these other pollutants, other sources and smaller-sized facilities.

Several factors must be considered before drawing conclusions on the environmental performance of specific facilities or industrial sectors. In examining the amount of total releases of any one sector or changes in releases by a facility from previous years, consideration should be given to the fact that the NPRI list of substances and reporting criteria may change from year to year. For example, of the 268 reportable substances in the NPRI for 2000, 73 were reportable for the first time in 1999 and four in 2000 at the original 10-tonne and 1% concentration threshold. Beginning in the 2000 reporting year, the threshold for mercury (and its compounds) was lowered from 10 tonnes to 5 kg manufactured, processed or otherwise used, and the 1% concentration exemption was dropped. In addition, 20 substances were added at alternate reporting thresholds for the 2000 reporting year because they pose serious risks to human health or the environment in relatively low quantities. It is, therefore, important to consider more than the magnitude of releases. The amounts released relative to the size of the facility or sector should be considered, as well as the complexity of the process and the best-available technologies. It would be incorrect to assume that facilities or industrial sectors with the largest releases or transfers are less inclined than others toward pollution prevention and control.

Risk to human health and the environment from on-site releases of pollutants cannot be determined from NPRI data alone. Although the data are useful as a starting point in identifying potential risks, other information is required before such assessments can be made.

Risk depends on many factors, such as the hazard of the pollutant, the extent of the exposure, the type of release or transfer and the environmental medium to which the pollutant is released. The amount of releases of some pollutants may not necessarily be commensurate with their environmental or health impacts. Conversely, smaller releases of specific pollutants may have significant impacts.

Additional sources of information are listed in the Bibliography and Additional References sections of this report.



## 2. NPRI Data for 2000

### 2.1 Introduction

For the 2000 reporting year, reports for 197 of the 268 NPRI-listed substances were submitted by 2 419 facilities, as shown in Table 2-1. This represented an increase of 2 319 (26.8%) in the number of reports from 1999, an increase of 208 (9.4%) in the number of reporting facilities and an increase of 25 (14.5%) in the number of pollutants reported. These increases were primarily the result of the addition of 23 substances to the NPRI list for 2000, 20 of which had reporting thresholds lower than the original 10-tonne and 1% concentration threshold.

In total, 1 585 747.3 tonnes of NPRI pollutants were released on site or transferred off site in 2000. Of this, 71.4% was transferred off site for recycling. Additionally, 2.5% was transferred off site for treatment prior to final disposal, 2.6% was transferred off site for final disposal and 23.5% was released on site to air, water, land or underground injection (Figure 2-1).

Table 2-1 provides more information about releases on site than in past reports. Releases to land are presented in greater detail such that the quantity of pollutants disposed on site in landfills or by land treatment (applied onto or incorporated into soil) now are shown in the summary tables. These releases are different from other releases to air, land and water because they are waste-disposal methods and are often wastes that are the result of pollution-control activities. When disposing of wastes in a landfill, the intent is to minimize risk by limiting dispersion of pollutants to a wider environment. However, landfills reduce but do not eliminate the risks posed to health and the environment by these pollutants.

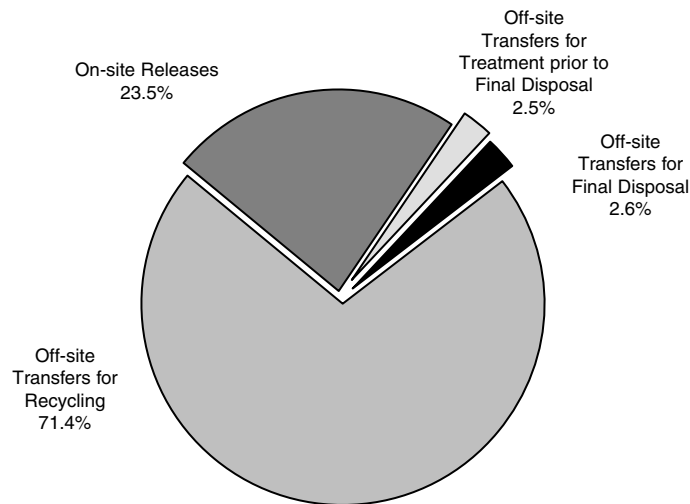
The information reported by facilities to the NPRI presents an overall picture of releases to the environment on site and transfers off site for disposal or recycling. Some facilities have on-site landfills while others transfer wastes off site for disposal. It is important to consider both on-site disposal and off-site disposal when comparing facilities. For example, off-site transfers for disposal from one facility may also be reported as an on-site disposal to landfill by the receiving facility or the transfers from that same facility may in turn be transferred a number of times prior to final disposal. The quantities released to air, land, water and underground injection on site are absolute numbers – they represent the sum of on-site releases reported by facilities. Double counting can occur with off-site transfers, but the quantities reported can be used to examine trends in transfers in waste. There can also be double counting when adding information on on-site releases and off-site transfers from many companies.

#### 2.1.1 Confidential Information

At the time of publication of this report, seven facilities were granted confidential status for information provided to the NPRI for 2000. The following data were reported by those facilities for the 2000 reporting year:

- number of pollutant reports submitted: 56
- total on-site releases: 122 tonnes
- total off-site transfers for disposal: 2 355 tonnes
- total off-site transfers for recycling and energy recovery: 177 tonnes

Data presented in this National Overview do not include the confidential information listed above.



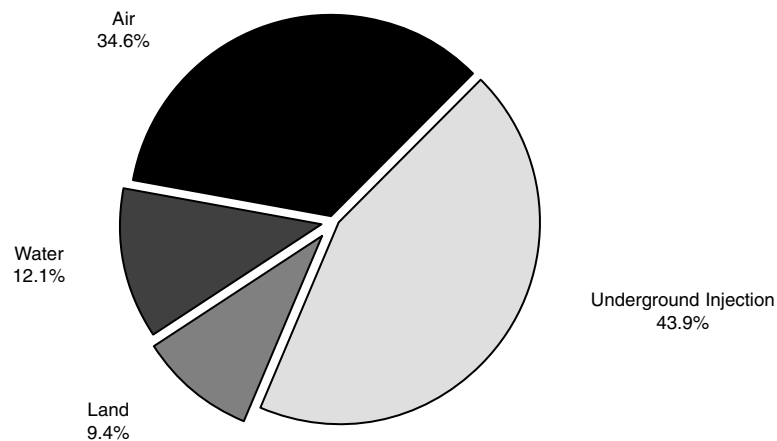
**Figure 2-1**  
National Summary of NPRI Information for 2000 - (all data)

## 2.2 On-site Releases in 2000

In 2000, facilities across Canada reported on-site releases totalling 372 512.9 tonnes. Releases to underground injection accounted for 43.9% of all on-site releases, followed by releases to air (34.6%), releases to water (12.1%) and releases to land (9.4%) (see Table 2-1, Figure 2-2).

Compared to 1999, on-site releases to water in 2000 increased by 110.9%, underground injection increased by 19.7%, releases to air increased by 4.5% but releases to land decreased by 20.7% (see Table 2-1).

Increased releases to water were primarily the result of “new reporting” by wastewater treatment facilities in western Canada of releases of total ammonia and nitrate ion in solution. This new reporting was either new facilities that had not previously reported to the NPRI or new reporting of total ammonia or nitrate ion in solution by facilities that had reported other substances to the NPRI in previous years.



**Figure 2-2**  
On-site Releases in 2000 - (all data)

**TABLE 2-1:  
NATIONAL SUMMARY OF NPRI INFORMATION, 1999-2000 (TONNES) - (all data)**

	1999	2000	Change (1999-2000)	% Change (1999-2000)
<b>Total Facilities</b>	<b>2 211</b>	<b>2 419</b>	<b>208</b>	<b>9.4</b>
<b>Total Reports</b>	<b>8 657</b>	<b>10 976</b>	<b>2 319</b>	<b>26.8</b>
<b>Pollutants Reported</b>	<b>172</b>	<b>197</b>	<b>25</b>	<b>14.5</b>
<b>On-site Releases (tonnes):</b>				
Air	123 184.0	128 674.6	5 490.6	4.5
Water	21 440.3	45 220.6	23 780.3	110.9
Land				
Land Disposal				
Landfill	38 564.2	29 349.3	-9 214.9	-23.9
Land Treatment	588.1	509.3	-78.8	-13.4
Other Land Release				
Spills	111.2	60.8	-50.4	-45.4
Leaks	20.8	6.8	-14.0	-67.4
Other	4 646.0	4 915.8	269.8	5.8
<b>Sub-total Land</b>	<b>43 930.3</b>	<b>34 842.0</b>	<b>-9 088.3</b>	<b>-20.7</b>
Underground Injection	136 643.1	163 589.3	26 946.3	19.7
<b>Total On-site Releases</b>	<b>325 398.3</b>	<b>372 512.9</b>	<b>47 114.5</b>	<b>14.5</b>
<b>Off-site Transfers for Final Disposal (tonnes):</b>				
Land Disposal				
Landfill	86 081.8	29 494.8	-56 587.0	-65.7
Land Treatment	773.6	1 274.4	500.8	64.7
Storage	4 066.5	2 111.5	-1 955.0	-48.1
<b>Sub-total Land Disposal</b>	<b>90 921.9</b>	<b>32 880.7</b>	<b>-58 041.2</b>	<b>-63.8</b>
Underground Injection	6 337.1	8 119.2	1 782.0	28.1
<b>Total Off-site Final Disposal</b>	<b>97 259.0</b>	<b>40 999.9</b>	<b>-56 259.2</b>	<b>-57.8</b>
<b>Off-site Transfers for Treatment prior to Final Disposal (tonnes):</b>				
Physical	2 343.4	2 890.2	546.8	23.3
Chemical	9 758.3	11 459.3	1 700.9	17.4
Biological	1 199.9	3 211.5	2 011.6	167.7
Incineration	11 199.2	10 551.1	-648.1	-5.8
MSTP	10 054.7	12 292.0	2 237.2	22.3
<b>Total Off-site Treatment</b>	<b>34 555.5</b>	<b>40 404.0</b>	<b>5 848.4</b>	<b>16.9</b>
<b>Total Off-site Transfers for Disposal</b>	<b>131 814.6</b>	<b>81 403.8</b>	<b>-50 410.7</b>	<b>-38.2</b>
<b>Off-site Transfers for Recycling (tonnes):</b>				
Recycling	1 066 377.6	1 115 489.9	49 112.3	4.6
Energy Recovery	14 740.5	16 340.6	1 600.1	10.9
<b>Total Off-site Transfers for Recycling</b>	<b>1 081 118.1</b>	<b>1 131 830.5</b>	<b>50 712.4</b>	<b>4.7</b>

Notes: Because of rounding of release and transfer quantities, the totals may not equal the sum of the individual values.  
Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

**TABLE 2-2:  
ON-SITE RELEASES BY ENVIRONMENTAL MEDIUM IN 2000 - 25 POLLUTANTS RELEASED ON SITE IN THE LARGEST QUANTITIES (TONNES) - (all data)**

CAS No.	Pollutant	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000		1999		Change (1999-2000)	% Change (1999-2000)
							Total	Land Disposal	Total	Land Disposal		
7783-06-4	Hydrogen sulphide	6 094.6	30.9	0.0	5.0	148 462.2	154 593.5	126 372.9	28 220.5	22.3		
NA	Ammonia (total)	17 343.7	23 524.5	341.0	3.9	7 738.9	48 957.9	37 217.5	11 740.4	31.5		
67-56-1	Methanol	20 799.9	998.7	22.7	3.7	4 130.7	25 968.2	26 900.6	-932.5	-3.5		
NA	Nitrate ion in solution at pH ≥ 6.0	11.6	18 935.4	107.8	92.7	350.8	19 499.2	7 442.6	12 056.6	162.0		
7647-01-0	Hydrochloric acid	16 184.7	24.5	0.3	0.2	0.0	16 213.7	11 659.7	4 554.0	39.1		
7789-75-5	Calcium fluoride	15.2	0.1	11 622.0	93.8	0.2	11 732.8	13 056.2	-1 323.4	-10.1		
7664-93-9	Sulphuric acid	10 429.2	38.8	0.0	3.7	0.0	10 479.5	9 444.0	1 035.4	11.0		
NA	Zinc (and its compounds)	823.6	254.5	5 912.5	1 611.5	0.9	8 608.3	16 669.2	-8 060.9	-48.4		
1330-20-7	Xylene (mixed isomers)	6 670.1	3.6	0.1	0.9	36.1	6 724.6	7 029.2	-304.6	-4.3		
108-88-3	Toluene	6 517.1	1.3	0.0	0.7	59.3	6 593.6	7 273.8	-680.1	-9.4		
78-93-3	Methyl ethyl ketone	5 009.3	0.0	0.0	0.2	1 290.0	6 306.5	5 853.9	452.6	7.7		
NA	Manganese (and its compounds)	150.5	955.0	2 844.1	637.9	0.0	4 598.7	4 124.5	474.2	11.5		
NA	Lead (and its compounds)	495.7	9.8	3 074.5	143.2	0.0	3 727.6	3 495.3	232.3	6.6		
7664-39-3	Hydrogen fluoride	3 600.8	0.0	0.0	0.0	0.0	3 601.1	3 542.0	59.1	1.7		
110-54-3	n-Hexane	3 559.3	2.7	0.1	0.7	4.1	3 573.1	3 183.2	390.0	12.3		
75-15-0	Carbon disulphide	3 164.0	0.0	0.0	0.0	0.0	3 164.0	2 875.3	288.7	10.0		
1332-21-4	Asbestos (friable form)	0.0	0.0	3 144.1	2.4	0.0	3 147.0	1 725.7	1 421.3	82.4		
107-21-1	Ethylene glycol	317.4	64.6	0.4	2 168.0	473.5	3 029.8	2 749.4	280.4	10.2		
74-85-1	Ethylene	2 709.9	0.0	0.0	0.1	0.0	2 711.0	2 288.5	422.5	18.5		
75-09-2	Dichloromethane	2 218.8	0.0	0.0	0.0	0.0	2 219.8	2 401.5	-181.6	-7.6		
50-00-0	Formaldehyde	1 774.6	28.5	0.5	0.0	9.7	1 814.8	1 660.4	154.4	9.3		
100-42-5	Styrene	1 760.3	0.0	0.0	0.0	0.3	1 764.4	2 197.3	-432.9	-19.7		
67-63-0	Isopropyl alcohol	1 694.4	0.0	0.1	0.1	8.5	1 711.7	2 017.7	-306.0	-15.2		
110-82-7	Cyclohexane	1 493.6	1.1	0.1	0.3	1.0	1 501.1	1 467.5	33.6	2.3		
111-76-2	2-Butoxyethanol	1 328.2	0.2	0.0	0.0	0.0	1 330.8	1 402.3	-71.4	-5.1		
<b>Total Largest On-site Releases</b>		<b>114 166.6</b>	<b>44 874.3</b>	<b>27 070.4</b>	<b>4 769.1</b>	<b>162 566.3</b>	<b>353 572.6</b>	<b>304 049.9</b>	<b>49 522.7</b>	<b>16.3</b>		
<b>National Total</b>		<b>128 674.6</b>	<b>45 220.6</b>	<b>29 858.6</b>	<b>4 983.4</b>	<b>163 589.3</b>	<b>372 512.9</b>	<b>325 398.3</b>	<b>47 114.5</b>	<b>14.5</b>		
<b>% of National Total</b>		<b>88.7</b>	<b>99.2</b>	<b>90.7</b>	<b>95.7</b>	<b>99.4</b>	<b>94.9</b>	<b>93.4</b>	<b>1.5</b>	<b>1.6</b>		

Notes: Because of rounding of release quantities, the totals may not equal the sum of the individual values.  
 "Land Disposal" includes Landfill and Land Treatment. "Other Land Releases" includes Land Spill, Land Leak and Land Other.  
 Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

**Figure 2-3**  
**Top Six Pollutants Released On Site**  
**in the Largest Quantities in 1999 and 2000 (tonnes) - (all data)**

2000	Pollutant	Total	% Change (1999-2000)
1	Hydrogen sulphide	154 594	22.3
2	Ammonia (total)	48 958	31.5
3	Methanol	25 968	-3.5
4	Nitrate ion in solution	19 499	162.0
5	Hydrochloric acid	16 214	39.1
6	Calcium fluoride	11 733	-10.1

1999	Pollutant	Total
1	Hydrogen sulphide	126 373
2	Ammonia (total)	37 218
3	Methanol	26 901
4	Zinc (and its compounds)	16 669
5	Calcium fluoride	13 056
6	Hydrochloric acid	11 660

### 2.2.1 25 NPRI Pollutants Released On Site in the Largest Quantities in 2000

Table 2-2 highlights the 25 NPRI pollutants released on site in the largest quantities in 2000, by environmental medium. Those 25 pollutants accounted for 95% (353 573 tonnes) of total on-site releases, the top six of which accounted for 74% of total releases. Hydrogen sulphide alone accounted for 42% of all on-site releases, while ammonia accounted for 13%.

Hydrogen sulphide remained as the number one pollutant in 2000 in terms of quantity, total ammonia remained as the second, and methanol as the third. Nitrate ion in solution rose to fourth place from a previous 10<sup>th</sup> place and zinc (and its compounds) dropped to eighth place from fourth. Hydrochloric acid now is in fifth place and calcium fluoride is sixth (see Table 2-2, Figure 2-3).

In terms of the greatest percentage change observed from 1999 releases, three pollutants stand out in 2000 – nitrate ion in solution with an increase of 162%, the friable form of asbestos with an increase of 82% and zinc (and its compounds) with a decrease of 48%. In terms of greatest change in the quantity of on-site releases from 1999 levels, hydrogen sulphide is at the top with an increase of 28 221 tonnes, followed by nitrate ion in solution with an increase of 12 057 tonnes and total ammonia with an increase of 11 740 tonnes.

Increases in hydrogen sulphide, a by-product of the petroleum and natural gas processing industries, were the result of increased production in Alberta and British Columbia. Most of the increases in total ammonia and nitrate ion in solution originated from newly-reporting wastewater treatment plants, also in the West (see section 2.2). Increases in friable asbestos (1 421 tonnes) to landfill corresponded to removal and disposal activities in Alberta. Decreases in zinc (and its compounds) (8 061 tonnes) were attributable to decreases at one waste-disposal facility and closure of another facility, both in Ontario.

### 2.2.2 Industrial Sectors Releasing the Largest Quantities of NPRI Pollutants On Site in 2000

In 2000, the five industrial sectors reporting the largest on-site releases accounted for more than 82% (305 759 tonnes) of total releases. They were:

- SIC 07 - Crude Petroleum and Natural Gas Industries - 162 793.3 tonnes (43.7% of national total)
- SIC 37 - Chemical and Chemical Products Industries - 49 120.0 tonnes (13.2%)

- SIC 49 - Other Utility Industries - 41 642.0 tonnes (11.2%)
- SIC 27 - Paper and Allied Products Industries - 34 177.7 tonnes (9.2%)
- SIC 29 - Primary Metal Industries - 18 025.7 tonnes (4.8%)

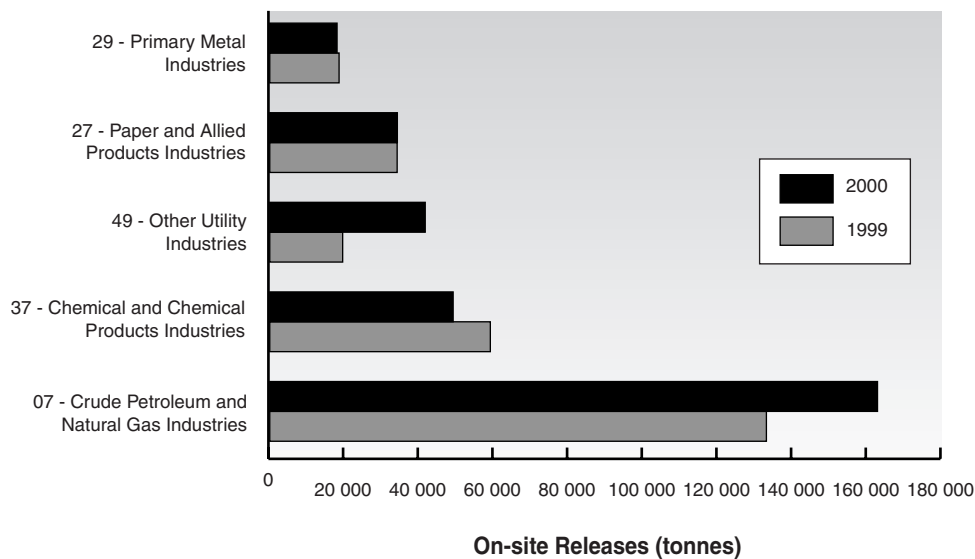
The same sectors reported the largest releases in 1999, except that the Other Utilities Industries sector moved to third place from fourth (see Table 2-3). This sector showed a 113% increase in on-site releases in 2000, mainly to water, most of which was the result of increases in total ammonia (263% increase) and nitrate ion in solution (553% increase) derived mostly from wastewater facilities included in this sector. This sector released 60% of all on-site releases of nitrate ion in solution in 2000.

The Paper Allied Products Industries sector showed a 57% increase in nitrate ion releases, but was only responsible for 11% of total on-site releases, while the Primary Metal Industries sector was responsible for 12%.

Releases by the Primary Metals Industries sector was essentially unchanged overall. The sector's increase of 887 tonnes in sulphuric acid was offset by decreases in other pollutants.

The Local Government Service Industries that ranked sixth also underwent a 154% increase in on-site releases in 2000, attributed mostly to a 4 248-tonne increase in total ammonia and a 1 933-tonne increase in nitrate ion in solution (see Table 2-3 and section 2.2).

**Figure 2-4**  
**Five Industrial Sectors Reporting the**  
**Largest On-site Releases in 1999 and 2000 - (all data)**



Other major changes in 2000 included a 22% increase in total on-site releases by the Crude Petroleum and Natural Gas Industries sector, primarily to underground injection and as the result of a 28 710-tonne increase in hydrogen sulphide, which represents 97% of all hydrogen sulphide released on site in 2000. On-site releases by the Chemical and Chemical Products Industries sector decreased by 17% in 2000 while its on-site releases of zinc (and its compounds) decreased by 74% (8 568 tonnes) from 1999 levels (see Table 2-3).



**TABLE 2-3:  
ON-SITE RELEASES BY INDUSTRIAL SECTOR IN 2000 - 10 SECTORS RELEASING THE LARGEST QUANTITIES OF NPRI POLLUTANTS (TONNES) - (all data)**

CAS No.	Pollutant	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
<b>07 - Crude Petroleum and Natural Gas Industries</b>										
7783-06-4	Hydrogen sulphide	1 709.3	0.0	0.0	5.0	148 392.4	150 107.4	121 397.1	28 710.3	23.6
75-15-0	Carbon disulphide	3 092.9	0.0	0.0	0.0	0.0	3 092.9	2 809.2	283.8	10.1
67-56-1	Methanol	28.4	0.0	0.0	0.6	2 583.9	2 614.4	2 803.7	-189.3	-6.8
7664-93-9	Sulphuric acid	1 422.6	0.0	0.0	0.0	0.0	1 422.6	1 373.3	49.3	3.6
NA	Ammonia (total)	1 107.3	1.4	0.0	0.0	0.0	1 108.7	1 073.0	35.7	3.3
<b>Total all Pollutants in Sector</b>		<b>10 116.5</b>	<b>5.9</b>	<b>426.5</b>	<b>35.7</b>	<b>152 188.7</b>	<b>162 793.3</b>	<b>133 031.8</b>	<b>29 761.5</b>	<b>22.4</b>
<b>37 - Chemical and Chemical Products Industries</b>										
NA	Ammonia (total)	12 816.0	218.4	18.1	0.1	2 325.7	15 383.1	16 042.3	-659.2	-4.1
7789-75-5	Calcium fluoride	9.5	0.0	11 617.0	0.0	0.0	11 626.5	12 997.6	-1 371.1	-10.5
67-56-1	Methanol	1 812.6	4.0	0.2	0.1	1 546.8	3 370.5	3 751.8	-381.3	-10.2
NA	Zinc (and its compounds)	0.1	0.6	3 079.7	0.0	0.0	3 081.8	11 649.4	-8 567.6	-73.5
NA	Lead (and its compounds)	0.1	0.0	2 662.0	0.0	0.0	2 662.7	2 264.5	398.2	17.6
<b>Total all Pollutants in Sector</b>		<b>24 085.9</b>	<b>456.2</b>	<b>18 740.5</b>	<b>7.1</b>	<b>5 749.9</b>	<b>49 120.0</b>	<b>59 082.6</b>	<b>-9 962.6</b>	<b>-16.9</b>
<b>49 - Other Utility Industries</b>										
NA	Ammonia (total)	102.4	12 366.4	2.4	1.2	0.0	12 472.5	3 435.5	9 037.0	263.0
NA	Nitrate ion in solution at pH ≥ 6.0	0.0	11 552.0	15.7	0.0	0.0	11 567.6	1 772.6	9 795.0	552.6
7647-01-0	Hydrochloric acid	10 416.6	0.0	0.0	0.0	0.0	10 416.6	7 914.0	2 502.6	31.6
7664-93-9	Sulphuric acid	3 348.7	31.0	0.0	0.0	0.0	3 380.1	3 263.3	116.8	3.6
7664-39-3	Hydrogen fluoride	1 555.2	0.0	0.0	0.0	0.0	1 555.2	1 336.0	219.2	16.4
<b>Total all Pollutants in Sector</b>		<b>15 472.3</b>	<b>24 222.7</b>	<b>1 456.1</b>	<b>486.9</b>	<b>0.0</b>	<b>41 642.0</b>	<b>19 530.4</b>	<b>22 111.6</b>	<b>113.2</b>
<b>27 - Paper and Allied Products Industries</b>										
67-56-1	Methanol	15 581.3	985.3	21.9	0.0	0.0	16 588.6	17 753.7	-1 165.1	-6.6
NA	Ammonia (total)	2 077.9	2 106.1	0.2	0.0	0.0	4 184.7	3 899.5	285.2	7.3
7783-06-4	Hydrogen sulphide	2 255.0	29.5	0.0	0.0	0.0	2 284.5	2 955.0	-670.6	-22.7
NA	Nitrate ion in solution at pH ≥ 6.0	0.0	2 135.6	0.0	0.0	0.0	2 135.7	1 358.6	777.1	57.2
NA	Manganese (and its compounds)	18.9	822.8	1 183.2	0.0	0.0	2 024.9	1 523.8	501.0	32.9
<b>Total all Pollutants in Sector</b>		<b>26 445.3</b>	<b>6 247.6</b>	<b>1 482.7</b>	<b>0.0</b>	<b>0.0</b>	<b>34 177.7</b>	<b>34 120.9</b>	<b>56.8</b>	<b>0.2</b>

TABLE 2-3: CONTINUED

CAS No.	Pollutant	Air	Water	Land Disposal	Other Land Releases	Underground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
<b>29 - Primary Metal Industries</b>										
NA	Zinc (and its compounds)	649.5	85.0	2 110.9	1 610.0	0.0	4 456.6	4 333.7	122.9	2.8
7664-93-9	Sulphuric acid	3 007.7	0.5	0.0	0.0	0.0	3 008.8	2 121.4	887.4	41.8
7783-06-4	Hydrogen sulphide	1 875.2	0.0	0.0	0.0	0.0	1 875.2	1 758.4	116.8	6.6
7664-39-3	Hydrogen fluoride	1 706.2	0.0	0.0	0.0	0.0	1 706.2	1 886.8	-180.6	-9.6
NA	Manganese (and its compounds)	52.4	9.6	574.7	312.9	0.0	951.3	900.5	50.8	5.6
<b>Total all Pollutants in Sector</b>		<b>11 249.6</b>	<b>988.0</b>	<b>3 612.9</b>	<b>2 155.5</b>	<b>0.0</b>	<b>18 025.7</b>	<b>18 567.0</b>	<b>-541.3</b>	<b>-2.9</b>
<b>83 - Local Government Service Industries</b>										
NA	Ammonia (total)	0.0	7 767.2	0.0	0.0	0.0	7 767.2	3 518.9	4 248.2	120.7
NA	Nitrate ion in solution at pH ≥ 6.0	0.0	2 410.2	0.0	0.0	0.0	2 410.2	477.0	1 933.2	405.3
NA	Zinc (and its compounds)	0.1	41.9	0.0	0.0	0.0	42.0	10.3	31.7	307.4
NA	Copper (and its compounds)	0.0	25.2	0.0	0.0	0.0	25.2	5.0	20.2	404.8
7647-01-0	Hydrochloric acid	21.5	0.0	0.0	0.0	0.0	21.5	22.9	-1.4	-6.1
<b>Total all Pollutants in Sector</b>		<b>21.9</b>	<b>10 261.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.7</b>	<b>10 284.5</b>	<b>4 046.2</b>	<b>6 238.3</b>	<b>154.2</b>
<b>36 - Refined Petroleum and Coal Products Industries</b>										
NA	Ammonia (total)	24.3	81.9	0.0	0.0	5 413.2	5 519.4	5 980.4	-461.0	-7.7
67-56-1	Methanol	553.3	0.0	0.0	0.0	0.0	553.3	538.6	14.8	2.7
108-88-3	Toluene	434.9	1.2	0.0	0.4	14.3	451.4	609.3	-157.9	-25.9
NA	Nitrate ion in solution at pH ≥ 6.0	0.0	403.0	0.0	0.0	0.0	403.0	369.6	33.4	9.0
1330-20-7	Xylene (mixed isomers)	322.8	1.8	0.1	0.4	8.6	334.6	456.2	-121.6	-26.7
<b>Total all Pollutants in Sector</b>		<b>3 568.9</b>	<b>498.5</b>	<b>33.7</b>	<b>4.9</b>	<b>5 649.7</b>	<b>9 761.5</b>	<b>10 470.4</b>	<b>-708.9</b>	<b>-6.8</b>
<b>16 - Plastic Products Industries</b>										
75-09-2	Dichloromethane	1 792.0	0.0	0.0	0.0	0.0	1 792.0	1 772.4	19.6	1.1
78-93-3	Methyl ethyl ketone	1 780.4	0.0	0.0	0.0	0.0	1 780.4	1 211.5	568.9	47.0
108-88-3	Toluene	1 137.7	0.0	0.0	0.0	0.0	1 137.7	990.9	146.8	14.8
100-42-5	Styrene	996.0	0.0	0.0	0.0	0.0	996.4	1 373.7	-377.3	-27.5
75-68-3	HCFC-142b	793.7	0.0	0.0	0.0	0.0	793.7	626.1	167.6	26.8
<b>Total all Pollutants in Sector</b>		<b>7 750.2</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7 756.6</b>	<b>7 345.7</b>	<b>410.9</b>	<b>5.6</b>

TABLE 2-3: CONTINUED

CAS No.	Pollutant	Air	Water	Land Disposal	Other Land Releases	Underground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
<b>32 - Transportation Equipment Industries</b>										
1330-20-7	Xylene (mixed isomers)	2 328.6	0.0	0.0	0.0	0.0	2 328.6	2 743.2	-414.5	-15.1
108-88-3	Toluene	1 077.7	0.0	0.0	0.0	0.0	1 077.7	1 178.3	-100.6	-8.5
111-76-2	2-Butoxyethanol	649.8	0.2	0.0	0.0	0.0	650.0	695.2	-45.2	-6.5
71-36-3	n-Butyl alcohol	524.7	0.0	0.0	0.0	0.0	524.7	545.1	-20.3	-3.7
78-93-3	Methyl ethyl ketone	403.2	0.0	0.0	0.0	0.0	403.2	512.3	-109.1	-21.3
<b>Total all Pollutants in Sector</b>		<b>7 016.6</b>	<b>2.0</b>	<b>0.6</b>	<b>0.0</b>	<b>0.0</b>	<b>7 033.7</b>	<b>7 749.3</b>	<b>-715.6</b>	<b>-9.2</b>
<b>41 - Industrial and Heavy (Engineering) Construction Industries</b>										
7647-01-0	Hydrochloric acid	3 204.4	0.0	0.0	0.0	0.0	3 204.4	1 753.9	1 450.5	82.7
7664-93-9	Sulphuric acid	662.1	0.0	0.0	0.0	0.0	662.1	752.4	-90.3	-12.0
NA	Manganese (and its compounds)	0.5	0.0	201.3	0.0	0.0	201.8	133.0	68.9	51.8
7664-39-3	Hydrogen fluoride	168.4	0.0	0.0	0.0	0.0	168.4	164.8	3.7	2.2
NA	Nickel (and its compounds)	0.5	0.0	45.2	0.0	0.0	45.7	0.2	45.5	*
<b>Total all Pollutants in Sector</b>		<b>4 045.2</b>	<b>0.1</b>	<b>347.6</b>	<b>0.0</b>	<b>0.0</b>	<b>4 392.9</b>	<b>3 491.5</b>	<b>901.4</b>	<b>25.8</b>
<b>Total Largest On-site Releases</b>		<b>98 545.7</b>	<b>43 544.7</b>	<b>25 152.9</b>	<b>4 168.3</b>	<b>160 284.9</b>	<b>331 729.6</b>	<b>282 384.0</b>	<b>49 345.5</b>	<b>17.5</b>
<b>National Total</b>		<b>128 674.6</b>	<b>45 220.6</b>	<b>29 858.6</b>	<b>4 983.4</b>	<b>163 589.3</b>	<b>372 512.9</b>	<b>325 398.3</b>	<b>47 114.5</b>	<b>14.5</b>
<b>% of National Total</b>		<b>76.6</b>	<b>96.3</b>	<b>84.2</b>	<b>83.6</b>	<b>98.0</b>	<b>89.1</b>	<b>86.8</b>	<b>2.3</b>	<b>2.6</b>

Notes: A maximum of five pollutants is listed for each sector.

Because of rounding of release quantities, the totals may not equal the sum of the individual values.

"Land Disposal" includes Landfill and Land Treatment. "Other Land Releases" includes Land Spill, Land Leak and Land Other.

Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

\* Percentages greater than 750 are not shown.

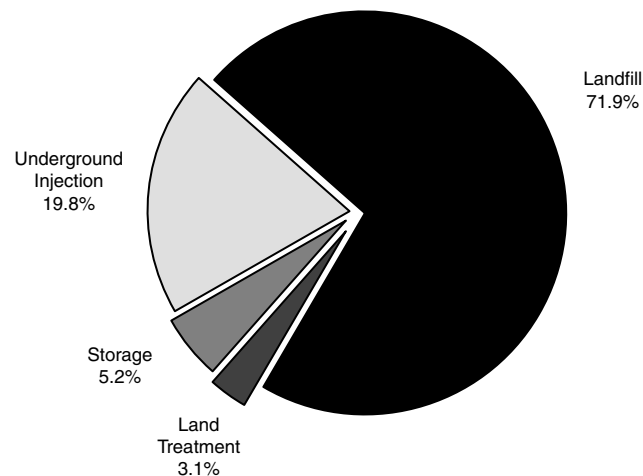
### 2.3 Off-site Transfers for Disposal in 2000

In 2000, facilities across Canada reported off-site transfers for disposal totalling 81 404 tonnes, a 38% decrease from 1999 totals. These off-site transfers were categorized into pollutants transferred off-site for treatment prior to final disposal (40 404 tonnes), and those transferred for final disposal (41 000 tonnes). Transfers for treatment increased 17% in 2000, while transfers for final disposal decreased by 58%.

Off-site transfers in 2000 were further subdivided as:

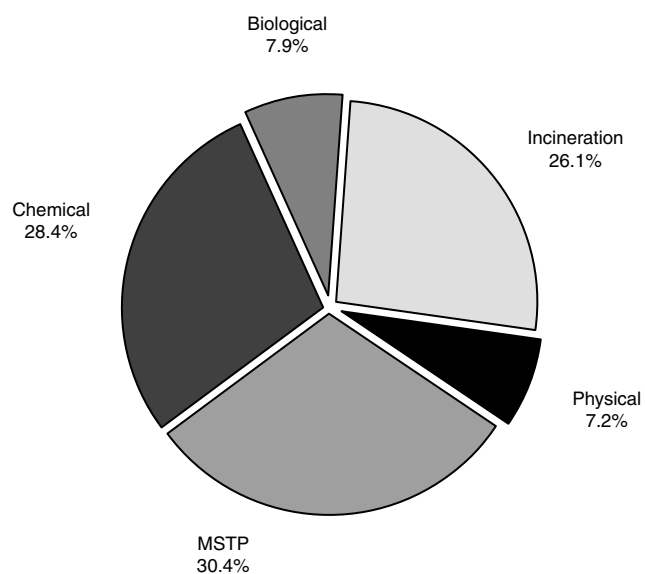
- a) Off-site transfers for final disposal (see Table 2-1, Figure 2-5):
- Landfill - 29 494.8 tonnes (71.9% of total transfers for final disposal)
  - Underground Injection - 8 119.2 tonnes (19.8%)
  - Storage - 2 111.5 tonnes (5.2%)
  - Land Treatment - 1 274.4 tonnes (3.1%)

**Figure 2-5**  
**Off-site Transfers for Final Disposal in 2000 - (all data)**



- b) Off-site transfers for treatment prior to final disposal (see Table 2-1, Figure 2-6):
- MSTP - 12 292.0 tonnes (30.4% of total transfers for treatment)
  - Chemical - 11 459.3 tonnes (28.4%)
  - Incineration - 10 551.1 tonnes (26.1%)
  - Biological - 3 211.5 tonnes (7.9%)
  - Physical - 2 890.2 tonnes (7.2%)

**Figure 2-6**  
**Off-site Transfers for Treatment prior to Final Disposal in 2000 - (all data)**



2.3.1 25 NPRI Pollutants Transferred Off Site for Disposal in the Largest Quantities in 2000  
 Table 2-4 highlights the 25 NPRI pollutants transferred off site for treatment and final disposal in the largest quantities in 2000, by category. The top six pollutants are shown in Figure 2-7.

**Figure 2-7**  
**Top Six Pollutants Transferred Off Site for Disposal**  
**in the Largest Quantities in 1999 and 2000 (tonnes) - (all data)**

2000	Pollutant	Final Disposal	Treatment	Total	% Change (1999-2000)
1	Zinc (and its compounds)	11 087	1 887	12 974	-62.4
2	Sulphuric acid	4 229	5 230	9 459	42.6
3	Nitrate ion in solution	804	5 639	6 443	35.9
4	Manganese (and its compounds)	5 202	573	5 775	-11.7
5	Methanol	2 373	2 256	4 629	-10.1
6	Hydrochloric acid	53	4 353	4 406	-4.0

1999	Pollutant	Total
1	Zinc (and its compounds)	34 492
2	Lead (and its compounds)	1 757
3	Cadmium (and its compounds)	12 130
4	Chromium (and its compounds)	9 884
5	Sulphuric acid	6 633
6	Manganese (and its compounds)	6 542

In 2000, zinc (and its compounds) remained at the top, even after undergoing a 62% decrease (21 518 tonnes) from 1999 levels, sulphuric acid moved to second place from fifth after having undergone a 43% increase (2 826 tonnes) from last year and nitrate ion in solution climbed to third place from ninth with a 36% increase (1 701 tonnes) from 1999 levels. Lead (and its compounds) dropped to thirteenth place with an 89% reduction (13 517 tonnes) from 1999 levels, chromium (and its compounds) to 10<sup>th</sup> place with a 65% decrease (6 421 tonnes) and cadmium (and its compounds) was not among the top 25 pollutants.

Other changes included a 125% increase in transfers of total ammonia (2 073 tonnes), a 53% increase in ethylene glycol (1 445 tonnes) and a 56% increase (383 tonnes) in nickel (and its compounds).

**TABLE 2-4: OFF-SITE TRANSFERS FOR DISPOSAL BY CATEGORY IN 2000 - 25 NPRI POLLUTANTS TRANSFERRED IN THE LARGEST QUANTITIES (TONNES) - (all data)**

CAS No.	Pollutant	Treatment					Disposal					1999 Total	2000 Total	Change (1999-2000)	% Change (1999-2000)
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage	Underground Injection	Land Treatment					
NA	Zinc (and its compounds)	203.6	1 618.1	3.3	27.2	34.5	10 787.2	146.0	100.1	53.8	12 974.0	34 491.9	21 517.9	-62.4	
7664-93-9	Sulphuric acid	11.0	4 356.8	0.0	167.1	694.7	506.5	20.6	3 702.1	0.0	9 458.7	6 632.9	2 825.9	42.6	
NA	Nitrate ion in solution at pH ≥ 6.0	12.5	7.0	0.2	27.4	5 591.9	107.3	0.0	642.8	53.7	6 442.8	4 741.7	1 701.1	35.9	
NA	Manganese (and its compounds)	315.2	236.8	2.1	2.0	17.3	4 888.9	265.7	0.0	47.2	5 775.3	6 542.1	-766.9	-11.7	
67-56-1	Methanol	170.0	73.1	13.9	1 014.7	984.3	34.7	0.5	2 337.2	0.2	4 628.6	5 148.0	-519.4	-10.1	
7647-01-0	Hydrochloric acid	178.8	2 799.9	0.0	24.0	1 350.5	24.2	20.7	8.1	0.0	4 406.2	4 591.8	-185.6	-4.0	
107-21-1	Ethylene glycol	91.7	23.2	2 651.0	203.1	705.4	40.8	20.6	421.7	0.0	4 157.5	2 712.5	1 444.9	53.3	
7789-75-5	Calcium fluoride	617.7	293.4	0.0	0.0	0.0	2 863.9	0.0	0.0	0.0	3 775.0	3 409.4	365.5	10.7	
NA	Ammonia (total)	20.5	11.1	249.1	16.1	1 859.0	44.9	425.7	156.0	944.5	3 726.9	1 653.3	2 073.6	125.4	
NA	Chromium (and its compounds)	480.6	278.5	2.7	6.9	20.1	2 283.6	88.1	295.8	6.9	3 463.2	9 884.0	-6 420.8	-65.0	
108-88-3	Toluene	21.6	53.4	3.6	2 420.9	40.0	339.6	237.7	23.6	36.3	3 176.6	4 131.7	-955.1	-23.1	
1330-20-7	Xylene (mixed isomers)	30.7	140.5	0.0	1 502.1	0.2	585.2	517.7	25.2	37.1	2 838.8	5 305.4	-2 466.6	-46.5	
NA	Lead (and its compounds)	134.6	159.2	0.0	10.2	2.3	1 400.9	49.2	0.1	0.0	1 756.5	15 273.2	-13 516.7	-88.5	
1332-21-4	Asbestos (friable form)	0.0	0.0	0.0	0.0	0.0	1 643.0	0.0	0.0	0.0	1 643.0	1 575.2	67.8	4.3	
7697-37-2	Nitric acid	0.0	900.7	139.8	1.0	87.3	45.4	20.6	130.0	0.0	1 324.7	954.0	370.7	38.9	
67-63-0	Isopropyl alcohol	4.6	11.0	130.7	827.2	172.7	54.1	16.6	15.5	0.0	1 232.4	1 461.7	-229.3	-15.7	
NA	Copper (and its compounds)	26.3	54.0	0.0	5.3	31.7	871.9	67.3	0.0	37.3	1 093.8	1 411.1	-317.3	-22.5	
NA	Nickel (and its compounds)	319.3	76.1	0.0	0.2	3.9	609.3	34.8	24.2	0.0	1 067.8	684.5	383.3	56.0	
78-93-3	Methyl ethyl ketone	8.7	11.4	0.0	758.1	66.0	118.2	91.1	10.9	0.0	1 064.4	1 547.8	-483.4	-31.2	
7664-38-2	Phosphoric acid	11.0	68.6	0.0	0.6	38.6	397.9	0.1	0.3	0.0	517.2	591.1	-73.9	-12.5	
71-36-3	n-Butyl alcohol	0.4	12.3	10.0	385.9	37.9	11.5	0.0	0.0	0.0	458.0	443.9	14.2	3.2	
108-10-1	Methyl isobutyl ketone	1.0	3.8	0.0	314.8	0.0	32.1	27.8	0.0	0.0	379.4	325.3	54.1	16.6	
50-00-0	Formaldehyde	0.0	2.6	1.9	149.1	130.0	74.1	0.3	0.0	0.2	358.3	330.6	27.7	8.4	
7429-90-5	Aluminum (fume or dust)	0.0	34.4	0.0	0.0	0.1	296.4	2.1	0.0	0.0	333.0	302.9	30.1	9.9	
100-42-5	Styrene	0.3	8.0	0.2	297.7	0.1	11.4	0.0	1.2	0.0	318.9	283.2	35.8	12.6	
<b>Total Largest Off-site Transfers</b>		<b>2 660.1</b>	<b>11 233.9</b>	<b>3 208.6</b>	<b>8 161.6</b>	<b>11 868.6</b>	<b>28 073.2</b>	<b>2 053.2</b>	<b>7 894.7</b>	<b>1 217.2</b>	<b>76 371.1</b>	<b>114 429.4</b>	<b>-38 058.3</b>	<b>-33.3</b>	
<b>National Total</b>		<b>2 890.2</b>	<b>11 459.3</b>	<b>3 211.5</b>	<b>10 551.1</b>	<b>12 292.0</b>	<b>29 494.8</b>	<b>2 111.5</b>	<b>8 119.2</b>	<b>1 274.4</b>	<b>81 403.8</b>	<b>131 814.6</b>	<b>-50 410.7</b>	<b>-38.2</b>	
<b>% of National Total</b>		<b>92.0</b>	<b>98.0</b>	<b>99.9</b>	<b>77.4</b>	<b>96.6</b>	<b>95.2</b>	<b>97.2</b>	<b>97.2</b>	<b>95.5</b>	<b>93.8</b>	<b>86.8</b>	<b>7.0</b>	<b>8.1</b>	

Notes: Because of rounding of transfer quantities, the totals may not equal the sum of the individual values. Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

### 2.3.2 Industrial Sectors Transferring the Largest Quantities of NPRI Pollutants Off Site for Disposal in 2000

In 2000, as reported in Table 2-5 and shown in Figure 2-8, the five industrial sectors reporting the largest off-site transfers for disposal accounted for 76% of total off-site transfers. They were:

- SIC 29 - Primary Metal Industries - 21 562 tonnes (27% of national total)
- SIC 37 - Chemical and Chemical Products Industries - 18 699 tonnes (23%)
- SIC 30 - Fabricated Metal Products Industries - 10 675 tonnes (13%)
- SIC 77 - Business Service Industries - 6 124 tonnes (8%)
- SIC 49 - Other Utility Industries - 4 670 tonnes (6%)

The same industrial sectors reported the largest amounts of off-site transfers in 1999, but with a change in rank for all but SIC 29 (Primary Metal Industries) which remained in first place.

The largest contributor to off-site transfers for disposal in 2000 was the Primary Metal Industries sector, 79% of which was transferred to landfill. This sector reported a large decrease (70%) in quantities transferred off site between 1999 and 2000, with a 93% decrease in transfers of lead (and its compounds) alone. One Philip Enterprises Inc. facility in Hamilton, ON, (Philip Mill Services) was responsible for significant off-site transfers (46 000 tonnes) of cadmium, chromium, lead and zinc and their compounds in 1999. However, this facility closed and did not report to the NPRI in 2000. Without this, the actual decrease in transfers from 1999 to 2000 would be about 20%.

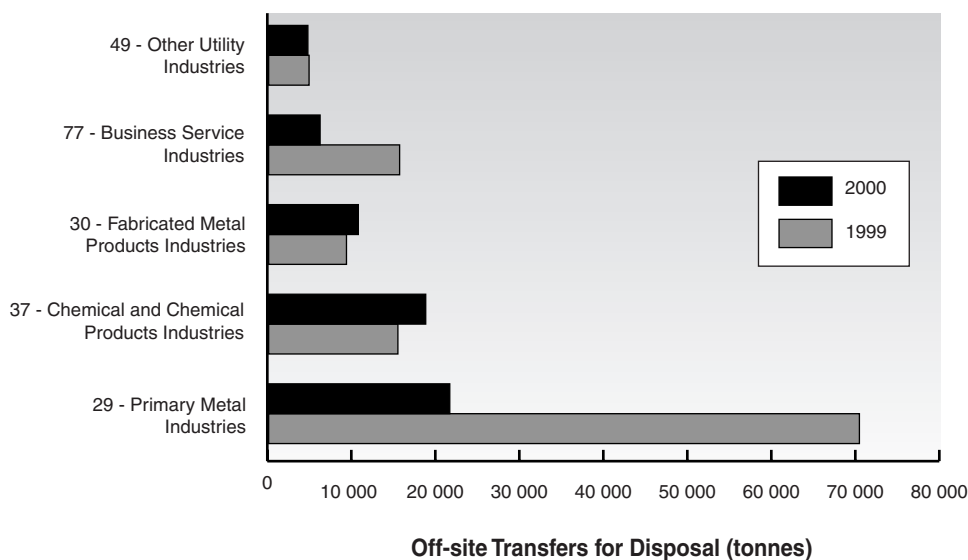
The second-largest was the Chemical and Chemical Products Industries sector, with 30% of reported pollutants transferred for treatment by MSTP, 32% by incineration and 21% by underground injection. This sector reported a 22% increase in total transfers in 2000, with a 100% increase in sulphuric acid transfers.

Third was the Fabricated Metal Products Industries sector, with 72% transferred for chemical treatment in 2000. A 15% increase was reported from 1999, with a 77% increase in nitric acid transfers alone.

The Business Service Industries sector sent 43% of off-site transfers to landfill. Moreover, a decrease of 60% was observed from the 1999 reporting year. There was a 79% decrease in reported transfers of zinc (and its compounds) in 2000.

Lastly, the Other Utility Industries sector disposed 51% of their off-site transfers to landfill.

**Figure 2-8**  
**Five Industrial Sectors Reporting the Largest**  
**Off-site Transfers for Disposal in 1999 and 2000 - (all data)**





**TABLE 2-5: TRANSFERS FOR DISPOSAL BY INDUSTRIAL SECTOR IN 2000 - 10 SECTORS TRANSFERRING THE LARGEST QUANTITIES OF NPRI POLLUTANTS (TONNES) - (all data)**

CAS No.	Pollutant	Treatment			Disposal				1999 Total	Change (1999-2000)	% Change (1999-2000)		
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage				Underground Injection	Land Treatment
<b>29 - Primary Metal Industries</b>													
NA	Zinc (and its compounds)	173.3	1 236.3	0.0	0.0	0.6	8 068.1	0.1	0.0	9 478.4	27 148.3	-17 669.9	-65.1
NA	Manganese (and its compounds)	298.4	235.9	0.0	0.0	2.7	2 909.3	0.1	0.0	3 446.3	3 468.6	-22.3	-0.6
7789-75-5	Calcium fluoride	599.0	0.0	0.0	0.0	0.0	2 639.1	0.0	0.0	3 238.1	2 989.5	248.6	8.3
NA	Chromium (and its compounds)	464.5	20.0	0.0	0.0	0.4	1 454.7	0.0	0.0	1 939.5	8 125.9	-6 186.4	-76.1
NA	Lead (and its compounds)	132.7	94.3	0.0	0.3	0.3	795.1	0.0	0.0	1 022.7	14 261.1	-13 238.4	-92.8
<b>Total all Pollutants in Sector</b>		<b>2 284.2</b>	<b>1 792.6</b>	<b>0.0</b>	<b>48.2</b>	<b>395.0</b>	<b>16 983.3</b>	<b>0.2</b>	<b>58.4</b>	<b>21 561.9</b>	<b>70 329.5</b>	<b>-48 767.7</b>	<b>-69.3</b>
<b>37 - Chemical and Chemical Products Industries</b>													
7664-93-9	Sulphuric acid	0.0	390.1	0.0	148.6	0.0	0.3	0.0	3 650.0	4 189.1	2 008.6	2 180.5	108.6
NA	Nitrate ion in solution at pH ≥ 6.0	1.7	0.3	0.0	1.3	4 163.4	0.0	0.0	0.0	4 166.6	2 974.1	1 192.5	40.1
108-88-3	Toluene	0.4	39.6	3.5	1 433.8	40.0	89.5	0.0	8.2	1 615.0	1 523.2	91.7	6.0
67-56-1	Methanol	144.7	23.9	13.7	548.4	734.8	3.1	0.3	38.3	1 507.1	1 681.4	-174.2	-10.4
1330-20-7	Xylene (mixed isomers)	0.3	21.7	0.0	785.8	0.2	20.7	0.1	12.7	841.4	1 215.5	-374.1	-30.8
<b>Total all Pollutants in Sector</b>		<b>178.2</b>	<b>681.5</b>	<b>309.1</b>	<b>6 081.2</b>	<b>5 661.7</b>	<b>1 816.5</b>	<b>2.1</b>	<b>3 969.1</b>	<b>18 699.2</b>	<b>15 385.7</b>	<b>3 313.5</b>	<b>21.5</b>
<b>30 - Fabricated Metal Products Industries (except Machinery and Transportation Equipment Industries)</b>													
7664-93-9	Sulphuric acid	0.0	3 817.1	0.0	12.4	0.1	236.0	0.0	0.0	4 065.5	3 233.5	832.0	25.7
7647-01-0	Hydrochloric acid	0.0	2 641.5	0.0	0.0	1 316.1	2.5	0.0	0.0	3 960.1	3 770.0	190.1	5.0
NA	Zinc (and its compounds)	28.0	206.5	0.0	10.8	6.8	571.9	0.0	0.0	824.0	767.2	56.8	7.4
7697-37-2	Nitric acid	0.0	772.1	0.0	0.0	0.0	0.6	0.0	0.0	772.7	437.8	334.9	76.5
7664-38-2	Phosphoric acid	11.0	38.8	0.0	0.0	0.0	239.5	0.0	0.0	289.3	329.4	-40.2	-12.2
<b>Total all Pollutants in Sector</b>		<b>121.4</b>	<b>7 638.9</b>	<b>0.0</b>	<b>119.0</b>	<b>1 447.9</b>	<b>1 348.1</b>	<b>0.0</b>	<b>0.0</b>	<b>10 675.4</b>	<b>9 265.3</b>	<b>1 410.1</b>	<b>15.2</b>

TABLE 2-5: CONTINUED

CAS No.	Pollutant	Treatment				Disposal				1999 Total	2000 Total	Change (1999-2000)	% Change (1999-2000)	
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage	Underground Injection					Land Treatment
<b>77 - Business Service Industries</b>														
1330-20-7	Xylene (mixed isomers)	0.0	0.0	0.0	277.1	0.0	500.0	517.5	0.0	0.0	1 294.6	3 272.0	-1 977.5	-60.4
NA	Zinc (and its compounds)	0.0	33.8	0.0	0.4	0.0	780.2	90.0	95.2	0.0	999.6	4 743.0	-3 743.5	-78.9
108-88-3	Toluene	0.0	0.0	0.0	301.0	0.0	233.2	237.7	0.0	0.0	771.9	1 560.4	-788.5	-50.5
NA	Nitrate ion in solution at pH ≥ 6.0	0.0	0.4	0.0	0.0	0.0	74.9	0.0	632.1	0.0	707.5	707.8	-0.3	0.0
NA	Chromium (and its compounds)	0.0	11.0	0.0	0.0	0.0	245.0	52.0	295.8	0.0	603.8	672.0	-68.2	-10.2
<b>Total all Pollutants in Sector</b>		<b>0.0</b>	<b>64.5</b>	<b>0.0</b>	<b>1 110.2</b>	<b>0.0</b>	<b>2 657.5</b>	<b>1 225.8</b>	<b>1 066.3</b>	<b>0.0</b>	<b>6 124.3</b>	<b>15 590.7</b>	<b>-9 466.4</b>	<b>-60.7</b>
<b>49 - Other Utility Industries</b>														
NA	Ammonia (total)	20.4	0.0	110.1	0.0	32.5	0.0	425.7	0.0	829.2	1 417.9	819.7	598.3	73.0
NA	Manganese (and its compounds)	0.0	0.0	1.9	0.0	0.0	483.0	0.0	0.0	31.6	516.5	558.5	-42.0	-7.5
1332-21-4	Asbestos (friable form)	0.0	0.0	0.0	0.0	0.0	442.2	0.0	0.0	0.0	442.2	117.5	324.7	276.5
NA	Zinc (and its compounds)	0.0	0.0	3.3	0.0	0.0	408.8	0.0	0.0	14.5	426.7	457.0	-30.3	-6.6
NA	Lead (and its compounds)	0.0	0.1	0.0	1.4	0.0	301.4	0.0	0.0	0.0	302.9	353.9	-50.9	-14.4
<b>Total all Pollutants in Sector</b>		<b>28.2</b>	<b>36.0</b>	<b>118.1</b>	<b>787.9</b>	<b>32.6</b>	<b>2 359.3</b>	<b>425.9</b>	<b>0.0</b>	<b>882.3</b>	<b>4 670.3</b>	<b>4 812.4</b>	<b>-142.1</b>	<b>-3.0</b>
<b>45 - Transportation Industries</b>														
107-21-1	Ethylene glycol	0.0	0.0	2 651.0	0.0	680.2	0.0	0.0	0.0	0.0	3 331.2	1 925.3	1 405.9	73.0
108-88-3	Toluene	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.6	0.0	1.6	*
110-54-3	n-Hexane	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.6	0.0	1.6	*
1330-20-7	Xylene (mixed isomers)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	*
118-74-1	Hexachlorobenzene	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
<b>Total all Pollutants in Sector</b>		<b>0.0</b>	<b>0.0</b>	<b>2 651.0</b>	<b>0.0</b>	<b>680.2</b>	<b>3.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3 334.5</b>	<b>1 925.3</b>	<b>1 409.2</b>	<b>73.2</b>

TABLE 2-5: CONTINUED

CAS No.	Pollutant	Treatment				Disposal				1999 Total	2000 Total	Change (1999-2000)	% Change (1999-2000)	
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage	Underground Injection					Land Treatment
<b>07 - Crude Petroleum and Natural Gas Industries</b>														
67-56-1	Methanol	17.3	0.0	0.0	0.5	0.0	0.0	0.0	2 277.6	0.0	2 295.4	2 802.2	-506.8	-18.1
7783-06-4	Hydrogen sulphide	0.0	0.0	0.0	0.0	0.0	198.0	0.0	115.7	0.0	313.7	59.2	254.5	429.8
111-42-2	Diethanolamine (and its salts)	69.1	0.0	0.0	3.6	0.0	0.0	0.0	67.7	0.0	140.4	234.4	-94.1	-40.1
107-21-1	Ethylene glycol	21.0	0.9	0.0	11.5	0.0	12.1	0.0	91.7	0.0	137.1	139.1	-2.0	-1.4
1332-21-4	Asbestos (friable form)	0.0	0.0	0.0	0.0	0.0	81.1	0.0	0.0	0.0	81.1	34.0	47.1	138.5
<b>Total all Pollutants in Sector</b>		<b>108.2</b>	<b>1.7</b>	<b>0.0</b>	<b>23.5</b>	<b>0.0</b>	<b>296.3</b>	<b>0.8</b>	<b>2 611.5</b>	<b>0.0</b>	<b>3 042.0</b>	<b>3 316.2</b>	<b>-274.1</b>	<b>-8.3</b>
<b>10 - Food Industries</b>														
NA	Nitrate ion in solution at pH ≥ 6.0	0.0	0.0	0.0	0.0	1 133.3	0.0	0.0	0.0	53.5	1 186.8	771.4	415.5	53.9
7664-93-9	Sulphuric acid	0.0	0.0	0.0	0.0	538.0	0.0	0.0	0.0	0.0	538.0	624.0	-86.0	-13.8
NA	Ammonia (total)	0.0	0.0	0.0	0.0	119.0	0.0	0.0	0.0	7.7	126.8	72.0	54.7	76.0
7697-37-2	Nitric acid	0.0	0.0	0.0	0.0	51.7	0.0	0.0	0.0	0.0	51.7	46.5	5.2	11.2
7664-38-2	Phosphoric acid	0.0	0.0	0.0	0.0	31.9	0.0	0.0	0.0	0.0	31.9	28.5	3.4	11.9
<b>Total all Pollutants in Sector</b>		<b>0.0</b>	<b>1.4</b>	<b>0.0</b>	<b>44.4</b>	<b>1 875.2</b>	<b>12.0</b>	<b>0.0</b>	<b>0.0</b>	<b>61.3</b>	<b>1 994.2</b>	<b>1 606.4</b>	<b>387.9</b>	<b>24.1</b>
<b>83 - Local Government Service Industries</b>														
NA	Ammonia (total)	0.0	0.0	0.0	0.0	1 213.2	38.0	0.0	0.0	103.0	1 354.2	10.9	1 343.3	*
NA	Zinc (and its compounds)	0.0	41.4	0.0	0.0	20.7	173.8	0.0	0.0	37.0	272.9	214.4	58.5	27.3
NA	Copper (and its compounds)	0.0	0.7	0.0	0.0	25.0	88.5	0.0	0.0	37.3	151.5	96.4	55.1	57.2
NA	Manganese (and its compounds)	0.0	0.7	0.0	0.0	0.0	77.3	0.0	0.0	0.0	78.0	56.2	21.8	38.7
107-21-1	Ethylene glycol	52.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.9	39.8	13.1	32.8
<b>Total all Pollutants in Sector</b>		<b>52.9</b>	<b>55.1</b>	<b>0.0</b>	<b>0.0</b>	<b>1 259.1</b>	<b>408.1</b>	<b>0.0</b>	<b>0.0</b>	<b>177.4</b>	<b>1 952.5</b>	<b>462.1</b>	<b>1 490.4</b>	<b>322.5</b>

TABLE 2-5: CONTINUED

CAS No.	Pollutant	Treatment					Disposal				Change (1999-2000)	% Change (1999-2000)		
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage	Underground Injection	Land Treatment			2000 Total	1999 Total
<b>32 - Transportation Equipment Industries</b>														
664-93-9	Sulphuric acid	0.0	19.8	0.0	0.0	4.5	254.9	0.0	0.1	0.0	279.3	153.0	126.3	82.5
NA	Zinc (and its compounds)	2.0	0.4	0.0	0.9	5.3	219.8	0.1	0.0	0.0	228.5	267.9	-39.4	-14.7
NA	Chromium (and its compounds)	0.0	171.5	0.0	0.6	0.5	31.0	0.0	0.0	0.0	203.6	51.3	152.3	297.0
NA	Nitrate ion in solution at pH ≥ 6.0	10.8	6.3	0.0	0.0	166.7	0.0	0.0	0.0	0.0	183.9	178.0	5.8	3.3
108-88-3	Toluene	0.0	0.0	0.0	115.9	0.0	4.6	0.0	0.0	0.0	120.5	71.2	49.2	69.1
<b>Total all Pollutants in Sector</b>		<b>22.8</b>	<b>322.4</b>	<b>0.0</b>	<b>344.9</b>	<b>264.9</b>	<b>792.7</b>	<b>2.7</b>	<b>0.1</b>	<b>0.0</b>	<b>1 750.5</b>	<b>1 476.1</b>	<b>274.4</b>	<b>18.6</b>
<b>Total Largest Off-site Transfers</b>		<b>2 076.5</b>	<b>10 501.3</b>	<b>2 910.7</b>	<b>5 051.1</b>	<b>10 888.9</b>	<b>23 931.6</b>	<b>1 750.5</b>	<b>7 698.6</b>	<b>1 132.0</b>	<b>65 941.1</b>	<b>100 620.0</b>	<b>-34 678.9</b>	<b>-34.5</b>
<b>National Total</b>		<b>2 890.2</b>	<b>11 459.3</b>	<b>3 211.5</b>	<b>10 551.1</b>	<b>12 292.0</b>	<b>29 494.8</b>	<b>2 111.5</b>	<b>8 119.2</b>	<b>1 274.4</b>	<b>81 403.8</b>	<b>131 814.6</b>	<b>-50 410.7</b>	<b>-38.2</b>
<b>% of National Total</b>		<b>71.8</b>	<b>91.6</b>	<b>90.6</b>	<b>47.9</b>	<b>88.6</b>	<b>81.1</b>	<b>82.9</b>	<b>94.8</b>	<b>88.8</b>	<b>81.0</b>	<b>76.3</b>	<b>4.7</b>	<b>6.1</b>

Notes: A maximum of five pollutants is listed for each sector.

Because of rounding of transfer quantities, the totals may not equal the sum of the individual values.

Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

\* Percentages greater than 750 are not shown.

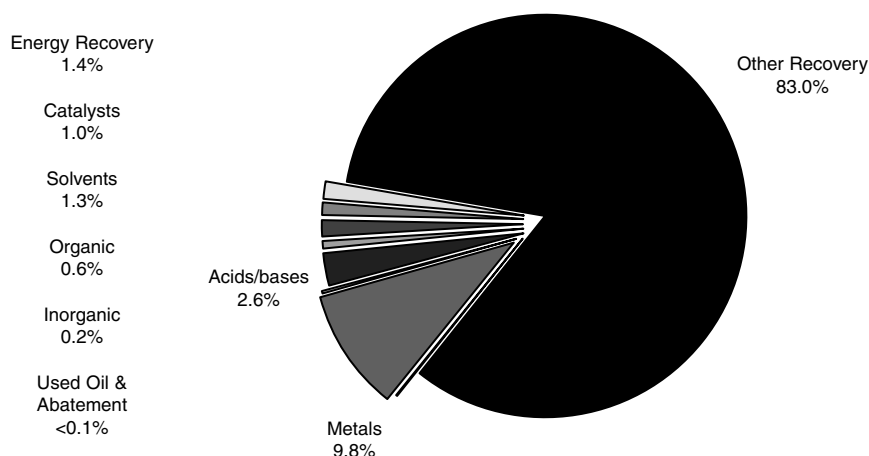
Where quantities transferred in 2000 are shown as "0.0", at least one report was submitted to the NPRI but transfers were reported as "zero". Where total quantities transferred in 1999 are shown as "0.0", this indicates either transfers were reported as "zero" or no reports were submitted to the NPRI for that substance.

## 2.4 Off-site Transfers for Recycling in 2000

In 2000, Canadian facilities reported off-site transfers for recycling and energy recovery totalling 1 131 831 tonnes (Table 2-6, Figure 2-9). These transfers were categorized in the following manner:

- Other recovery, reuse and recycling activities - 939 424 tonnes (83% of national total)
- Metals and metal compounds - 111 441 tonnes (9.8%)
- Acids or bases - 29 512 tonnes (2.6%)
- Energy recovery - 16 341 tonnes (1.4%)
- Solvents - 14 236 tonnes (1.3%)
- Catalysts - 10 803 tonnes (0.95%)
- Organic substances - 7 298 tonnes (0.6%)
- Inorganic materials - 2 067 tonnes (0.2%)
- Pollution-abatement residues - 669 tonnes (0.06%)
- Used oil - 40 tonnes (0.003%).

**Figure 2-9**  
**Off-site Transfers for Recycling and Energy Recovery in 2000 - (all data)**



As in 1999, the broad category 'other recovery, reuse and recycling' accounted for the highest percentage of off-site transfers for recycling and energy recovery, followed by recovery of metals and metal compounds. Hydrogen sulphide accounted for 82% of the total off-site transfers for recycling and energy recovery in 2000.

**TABLE 2-6: OFF-SITE TRANSFERS FOR RECYCLING AND ENERGY RECOVERY BY CATEGORY IN 2000 - 25 NPRI SUBSTANCES TRANSFERRED IN THE LARGEST QUANTITIES (TONNES) - (all data)**

CAS No.	Substance	Energy										Pollution					Change Change	
		Recovery	Solvents	Organics	Metals	Inor- ganics	Acids or Bases	Catalysts	Abatement Residues	Oil	Other	2000 Total	1999 Total	1999- 2000	1999- 2000	%		
7783-06-4	Hydrogen sulphide	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	928 928.0	904 874.4	24 054.0	2.7			
7664-93-9	Sulphuric acid	0.0	0.0	0.0	0.0	0.1	28 096.3	9 618.0	0.0	0.0	3 466.8	41 181.1	38 375.3	2 805.8	7.3			
NA	Copper (and its compounds)	0.5	0.0	0.0	34 832.8	396.3	0.0	0.0	33.1	0.0	1 336.7	36 599.4	32 667.6	3 931.8	12.0			
NA	Zinc (and its compounds)	47.4	0.1	5.5	33 235.1	358.6	0.0	45.7	385.0	2.7	1 538.2	35 618.3	30 149.2	5 469.0	18.1			
NA	Lead (and its compounds)	3.7	0.0	4.1	13 276.4	1.0	0.0	0.0	9.4	0.0	414.0	13 708.6	12 900.6	808.1	6.3			
NA	Manganese (and its compounds)	3.2	0.0	12.2	12 610.1	198.4	0.0	0.0	106.3	0.0	662.5	13 592.8	10 490.9	3 102.0	29.6			
1330-20-7	Xylene (mixed isomers)	7 070.7	4 856.5	9.7	0.0	0.0	0.0	0.0	0.0	0.1	48.8	11 985.9	10 643.3	1 342.6	12.6			
108-88-3	Toluene	4 544.6	3 244.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	46.4	7 840.6	7 212.2	628.4	8.7			
107-21-1	Ethylene glycol	252.5	10.0	6 737.9	0.0	0.9	0.0	0.0	0.0	0.3	228.2	7 229.9	1 631.7	5 598.1	343.1			
NA	Chromium (and its compounds)	0.0	0.0	0.0	6 428.0	440.6	0.0	0.0	6.0	0.0	213.8	7 088.3	5 663.4	1 425.0	25.2			
NA	Nickel (and its compounds)	0.0	0.0	0.0	4 321.3	8.0	0.0	324.9	7.9	0.0	141.8	4 804.0	4 333.2	470.8	10.9			
7429-90-5	Aluminum (fume or dust)	0.0	0.0	0.0	4 609.1	0.0	0.0	0.0	0.0	0.0	161.6	4 770.7	3 268.8	1 501.9	45.9			
78-93-3	Methyl ethyl ketone	1 361.8	2 733.2	3.9	0.0	0.2	0.0	0.0	0.0	0.0	1.4	4 100.5	3 815.1	285.4	7.5			
67-63-0	Isopropyl alcohol	494.2	853.3	12.4	0.0	0.0	0.0	0.0	0.0	0.0	12.6	1 372.5	1 772.4	-399.9	-22.6			
7647-01-0	Hydrochloric acid	0.0	0.0	0.0	0.0	67.7	534.0	0.0	0.0	0.0	763.7	1 365.3	1 275.6	89.8	7.0			
NA	Ammonia (total)	0.0	0.0	0.0	0.0	285.6	0.0	0.0	32.4	0.0	1 027.7	1 345.7	1 498.8	-153.1	-10.2			
7664-38-2	Phosphoric acid	0.0	54.0	0.0	0.0	30.0	870.8	197.5	0.0	0.0	1.8	1 154.1	1 090.8	63.3	5.8			
108-10-1	Methyl isobutyl ketone	432.3	666.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	1 105.0	1 130.4	-25.4	-2.2			
67-56-1	Methanol	471.2	374.7	0.0	0.0	0.0	0.0	0.0	0.0	0.5	21.0	867.4	1 010.9	-143.5	-14.2			
100-41-4	Ethylbenzene	442.7	369.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	5.8	818.1	656.3	161.8	24.7			
1313-27-5	Molybdenum trioxide	0.0	0.0	0.0	218.5	0.0	0.0	576.2	0.0	0.0	0.0	794.6	626.4	168.3	26.9			
7440-62-2	Vanadium (fume or dust)	0.0	0.0	0.0	638.5	44.1	0.0	0.0	0.0	0.0	0.7	683.4	606.0	77.4	12.8			
NA	Arsenic (and its compounds)	0.0	0.0	0.0	412.3	55.1	0.0	0.0	1.9	0.0	16.2	485.5	708.5	-223.0	-31.5			
111-76-2	2-Butoxyethanol	31.0	368.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	399.7	211.1	188.6	89.3			
71-36-3	n-Butyl alcohol	202.5	188.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	392.0	377.7	14.3	3.8			
<b>Total Largest Off-site Recycling</b>		<b>15 358.3</b>	<b>13 718.9</b>	<b>6 791.7</b>	<b>110 582.1</b>	<b>1 886.7</b>	<b>29 501.0</b>	<b>10 762.3</b>	<b>582.5</b>	<b>3.7</b>	<b>939 044.9</b>	<b>1 128 232.1</b>	<b>1 076 990.7</b>	<b>51 241.4</b>	<b>4.5</b>			
<b>National Total</b>		<b>16 340.6</b>	<b>14 235.9</b>	<b>7 298.1</b>	<b>111 440.9</b>	<b>2 067.2</b>	<b>29 512.2</b>	<b>10 803.0</b>	<b>669.3</b>	<b>39.6</b>	<b>939 423.7</b>	<b>1 131 830.5</b>	<b>1 081 118.1</b>	<b>50 712.4</b>	<b>4.5</b>			
<b>% of National Total</b>		<b>94.0</b>	<b>96.4</b>	<b>93.1</b>	<b>99.2</b>	<b>91.3</b>	<b>100.0</b>	<b>99.6</b>	<b>87.0</b>	<b>9.2</b>	<b>100.0</b>	<b>99.7</b>	<b>99.6</b>	<b>0.1</b>	<b>0.1</b>			

Notes: Because of rounding of transfer quantities, the totals may not equal the sum of the individual values. Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

Table 2-6 shows the top six substances transferred for recycling and energy recovery in 2000 accounted for close to 95% of the total:

- Hydrogen sulphide – 928 929 tonnes (82.1% of the national total)
- Sulphuric acid – 41 181 tonnes (3.6%)
- Copper (and its compounds) – 36 599 tonnes (3.2%)
- Zinc (and its compounds) – 35 618 tonnes (3.1%)
- Lead (and its compounds) – 13 709 tonnes (1.2%)
- Manganese (and its compounds) – 13 593 tonnes (1.2%).

By comparison, the following substances were transferred off-site for recycling and energy recovery in the largest quantities in 1999:

- Hydrogen sulphide – 904 874 tonnes
- Sulphuric acid – 38 375 tonnes
- Copper (and its compounds) – 32 668 tonnes
- Zinc (and its compounds) – 30 149 tonnes
- Lead (and its compounds) – 12 901 tonnes
- Xylene (mixed isomers) – 10 643 tonnes

In 2000, 99% of the composition of the 'other recovery, reuse and recycling' category (928 928.5 tonnes) was hydrogen sulphide, again attributed to three Westcoast Energy Inc. plants in British Columbia – Pine River Gas Plant in Chetwynd, McMahon Gas Plant in Taylor and the Fort Nelson Gas Plant in Fort Nelson. Hydrogen sulphide, a 1999 addition to the NPRI, must be removed from raw natural gas before it can be safely transported to markets. The acid gas stream from the removal process contains primarily H<sub>2</sub>S and CO<sub>2</sub>, and may be flared, injected into an underground reservoir or processed to recover elemental sulphur, as was done at these three facilities.

Recycling of sulphuric acid, copper (and its compounds) and zinc (and its compounds) in 2000 did not vary greatly from 1999 levels. Recycling of manganese (and its compounds), however, increased by 30% (3 102 tonnes) and ethylene glycol recycling increased by 343% (5 598 tonnes). Increases in transfers of manganese (and its compounds) for recycling were mostly the result of increases in transfers from two motor-vehicle stamping facilities in Ontario – Karmax Heavy Stamping in Milton and Presstran Industries in St. Thomas, and from a new fabricated metals products facility for 2000, Russel Metals Inc. in Edmonton, AB. Increases in ethylene glycol recycling (5 408 tonnes) were attributed to a newly-reporting oil and gas extraction facility in Nova Scotia, Sable Offshore Energy Inc. Goldboro Gas Plant in Goldboro.





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## 3. Four-year Trends in NPRI Data

### 3.1 Introduction

The NPRI list of substances changes from year to year. As a result, a common core of substances over a specified time period, or “matched substances”, has been used for long-term data comparisons.

This chapter describes trends for matched data for matched substances over the 1997-2000 period. “Matched data” refers to data from facilities that submitted reports on a common set of substances (see Appendix A) and all facilities that reported on the matched substances at least once during the four years. The “all data” set, presented in the previous chapter, represents all information reported to the NPRI by all facilities in a given year.

The 168 core substances included all those substances common to the four years (1997-2000), with the exception of mercury, the threshold for which was lowered in 2000. The three individual xylene isomers were combined into the single entry, xylene (and mixed isomers). This data set does not include the 23 substances added in 2000 and the facilities that reported only those substances, or the 73 substances added in 1999 and the facilities that reported only those substances. Facilities in the Paper and Allied Products sector (SIC code 27) have been excluded because of improved estimation methodologies used by reporters, beginning in 1999. In several cases, use of the new methodologies resulted in increased estimates of releases and transfers compared to those reported in previous years.

For 2000, the matched data set represented:

- 89.5% of the 2 419 facilities reporting to the NPRI;
- 71.7% of all the 10 976 reports submitted; and
- 67.5% of 197 pollutants for which a report was submitted to the NPRI.

Some reported increases or decreases are real – that is they reflect actual changes in the quantities of pollutants released or transferred. Some reported changes, however, may result from changes in reporting requirements, reporting methods, etc. For example:

- if facilities have refined their methods or have developed a better understanding of the reporting requirements, the reported amounts may be directly affected;
- if a number of facilities are no longer in business or have realized they are not required to report, the results would show that there has been a decrease in reported releases or transfers; or
- on the other hand, new facilities reporting to the NPRI can significantly increase the totals and account for an overall increase for any given year.

**TABLE 3-1:  
NATIONAL SUMMARY OF NPRI INFORMATION, 1997-2000 (TONNES) - (matched data)**

	1997	1998	1999	2000	Change (1997-2000)	% Change (1997-2000)
<b>Total Facilities</b>	<b>1 867</b>	<b>1 917</b>	<b>2 062</b>	<b>2 166</b>	<b>299</b>	<b>16.0</b>
<b>Total Reports</b>	<b>6 817</b>	<b>6 979</b>	<b>7 443</b>	<b>7 865</b>	<b>1 048</b>	<b>15.4</b>
<b>Pollutants Reported</b>	<b>136</b>	<b>135</b>	<b>130</b>	<b>133</b>	<b>-3</b>	<b>-2.2</b>
<b>On-site Releases (tonnes):</b>						
Air	92 486.3	90 169.6	87 132.7	90 974.5	-1 511.8	-1.6
Water	15 297.9	12 305.5	15 169.3	38 920.8	23 623.0	154.4
Land						
Land Disposal						
Landfill	10 552.6	10 802.8	24 257.7	16 286.4	5 733.8	54.3
Land Treatment	91.8	457.3	569.9	449.0	357.3	389.2
Other Land Release						
Spills	40.9	121.5	73.1	54.9	14.0	34.3
Leaks	16.2	20.7	20.8	6.8	-9.4	-58.1
Other	7 622.7	6 910.7	4 604.9	4 801.3	-2 821.4	-37.0
<b>Sub-total Land</b>	<b>18 324.2</b>	<b>18 313.0</b>	<b>29 526.5</b>	<b>21 598.4</b>	<b>3 274.2</b>	<b>17.9</b>
Underground Injection	17 664.6	16 419.7	16 705.2	15 100.8	-2 563.8	-14.5
<b>Total On-site Releases</b>	<b>143 973.4</b>	<b>137 387.2</b>	<b>148 716.7</b>	<b>166 763.3</b>	<b>22 789.9</b>	<b>15.8</b>
<b>Off-site Transfers for Final Disposal (tonnes):</b>						
Land Disposal						
Landfill	48 983.0	44 163.1	82 536.0	25 708.9	-23 274.1	-47.5
Land Treatment	204.3	383.0	743.6	1 252.0	1 047.7	512.9
Storage	3 896.6	3 645.9	4 002.7	2 095.9	-1 800.7	-46.2
<b>Sub-total Land Disposal</b>	<b>53 083.9</b>	<b>48 192.0</b>	<b>87 282.3</b>	<b>29 056.8</b>	<b>-24 027.2</b>	<b>-45.3</b>
Underground Injection	4 334.4	4 379.0	6 270.7	7 976.1	3 641.6	84.0
<b>Total Off-site Final Disposal</b>	<b>57 418.3</b>	<b>52 571.1</b>	<b>93 553.0</b>	<b>37 032.8</b>	<b>-20 385.5</b>	<b>-35.5</b>
<b>Off-site Transfers for Treatment prior to Final Disposal (tonnes):</b>						
Physical	3 483.2	2 260.0	2 106.9	2 239.0	-1 244.2	-35.7
Chemical	10 569.0	8 662.3	9 424.3	11 108.6	539.5	5.1
Biological	1 472.1	1 099.5	1 199.7	3 206.3	1 734.2	117.8
Incineration	12 090.1	11 447.9	10 136.7	9 976.3	-2 113.8	-17.5
MSTP	9 998.2	9 249.7	9 883.5	12 005.5	2 007.3	20.1
<b>Total Off-site Treatment</b>	<b>37 612.6</b>	<b>32 719.3</b>	<b>32 751.1</b>	<b>38 535.6</b>	<b>922.9</b>	<b>2.5</b>
<b>Total Off-site Transfers for Disposal</b>	<b>95 031.0</b>	<b>85 290.4</b>	<b>126 304.1</b>	<b>75 568.4</b>	<b>-19 462.6</b>	<b>-20.5</b>
<b>Off-site Transfers for Recycling* (tonnes):</b>						
Recycling	*	194 374.8	160 733.6	185 878.9	-8 495.9	-4.4
Energy Recovery	*	12 522.8	14 652.8	16 187.4	3 664.6	29.3
<b>Total Off-site Transfers for Recycling</b>	<b>*</b>	<b>206 897.6</b>	<b>175 386.4</b>	<b>202 066.3</b>	<b>-4 831.3</b>	<b>-2.3</b>

Notes: Because of rounding of release and transfer quantities, the totals may not equal the sum of the individual values.

\* Reporting of transfers for recycling became mandatory in 1998. As a result, trends for this category are calculated for the 3-year period, 1998-2000.

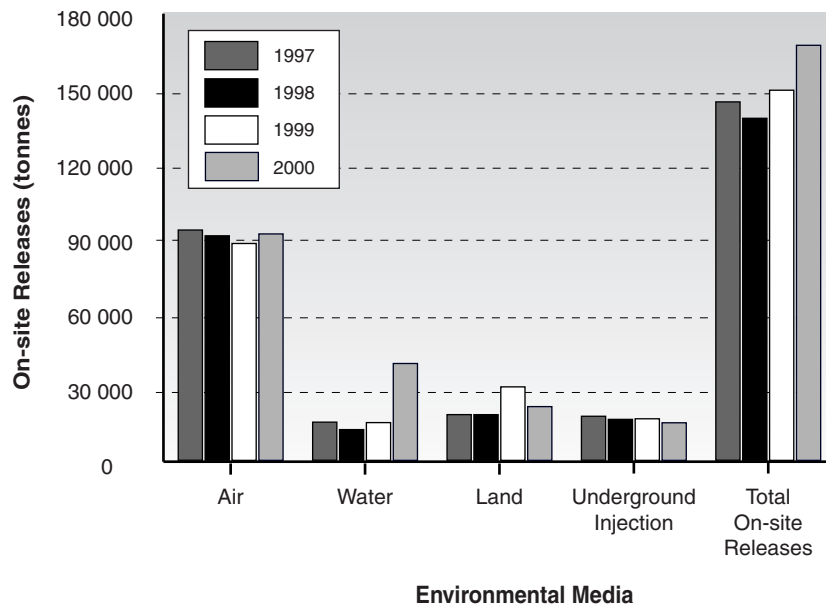
### 3.2 Trends in On-site Releases

The on-site releases matched data set for 2000 represented 44.7% of all on-site-releases reported (372 512.9 tonnes).

Overall trends for matched on-site releases (1997-2000) are displayed in Table 3-1 and Figure 3-1:

- 2000: 166 763 tonnes (12.1% increase from 1999)
- 1999: 148 717 tonnes (8.2% increase from 1998)
- 1998: 137 387 tonnes (4.6% decrease from 1997)
- 1997: 143 973 tonnes

**Figure 3-1**  
**Trends in On-site Releases for 1997-2000 - (matched data)**



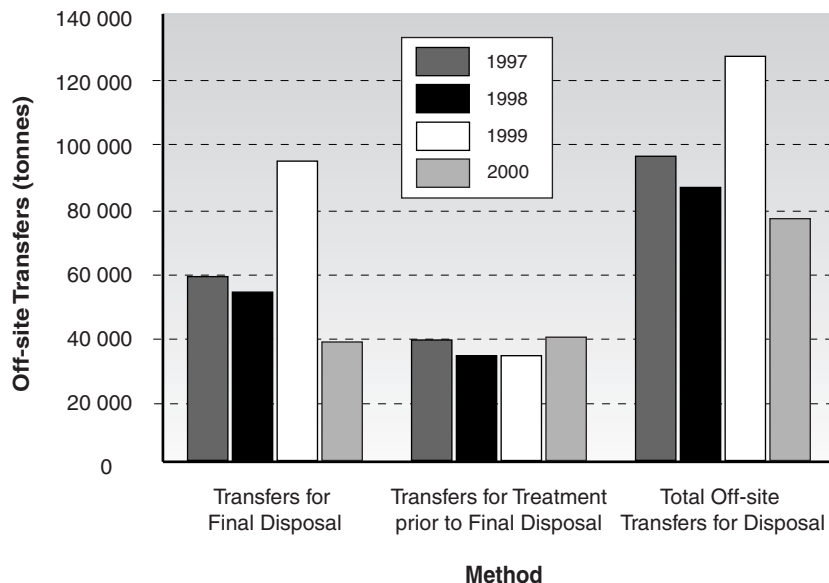
Trends for on-site releases by environmental media follow:

- On-site releases to air in 2000 (90 974.5 tonnes) remained in the 90 000-tonne range for the fourth consecutive year, with only a 4.4% increase from 1999.
- On-site releases to water in 2000 rose to 38 920.8 tonnes from 15 169.3 tonnes in 1999, a 156.6% increase and higher than the 20% increase observed in the previous year (1998-1999, 23% increase). The large increase between 1999 and 2000 is attributed to a 31.5% increase (11 740.4 tonnes) in releases of total ammonia and a 162.0% increase in releases of nitrate ion (12 056.6 tonnes) released to water from newly-reporting wastewater treatment plants in western provinces (see section 2.2).
- On-site releases to land in 2000 were 21 598.4 tonnes, a 26.9% decrease from 1999, which brings levels closer to the 18 000-tonne range of 1997 and 1998. The decrease is attributed mainly to a 48.4% reduction in releases of zinc (and its compounds) (8 060.9 tonnes) to land mainly as a result of Safety-Kleen Ltd.'s Lambton facility at Corunna, ON.
- On-site releases to underground injection in 2000 totalled 15 100.8 tonnes, a 9.6% decrease from 1999 levels, and in the same 16 000-tonne range of previous years. Note that this data set does not include hydrogen sulphide which accounted for much of the 22.3% increase in releases to underground injection shown in the all data set.

### 3.3 Trends in Off-site Transfers for Disposal

The off-site transfers for disposal matched data set for 2000 represented 92.8% of all off-site transfers reported (81 403.9 tonnes)

**Figure 3-2**  
**Trends in Off-site Transfers for Disposal (1997-2000) - (matched data)**



#### 3.3.1 Off-site Transfers for Final Disposal

Overall trends for matched off-site transfers for final disposal (1997-2000) are displayed in Table 3-1 and Figure 3-2:

- 2000: 37 033 tonnes (60% decrease from 1999)
- 1999: 93 553 tonnes (78% increase from 1998)
- 1998: 52 571 tonnes (8% decrease from 1997)
- 1997: 57 418 tonnes

A significant decrease in off-site transfers for final disposal was observed from 1999 to 2000. The decrease is attributed to a 62.4% decrease (21 517.9 tonnes) in disposal of zinc (and its compounds), primarily to landfill, a 88.5% reduction (13 516.7 tonnes) in disposal of lead (and its compounds) to landfill and a 65.0% decrease (6 420.8 tonnes) in chromium (and its compounds) to landfill, attributed mostly to the closure of one facility, Philip Enterprises Inc.'s Philip Mill Services in Hamilton, ON (see section 2.4).

#### 3.3.2 Off-site Transfers for Treatment prior to Final Disposal

Overall trends for matched off-site transfers for treatment prior to final disposal (1997-2000) are displayed in Table 3-1 and Figure 3-2:

- 2000: 38 536 tonnes (18% increase from 1999)
- 1999: 32 751 tonnes (0.1% increase from 1998)
- 1998: 32 719 tonnes (13% decrease from 1997)
- 1997: 37 613 tonnes

Off-site transfers for treatment remained in the 35 000-tonne range for the fourth consecutive year, with only a slight increase in 2000 over 1999. This was attributed mostly to increases in ammonia and nitrate ion transfers to MSTPs and, to a lesser extent, sulphuric acid disposal through chemical treatment and ethylene glycol through biological treatment.

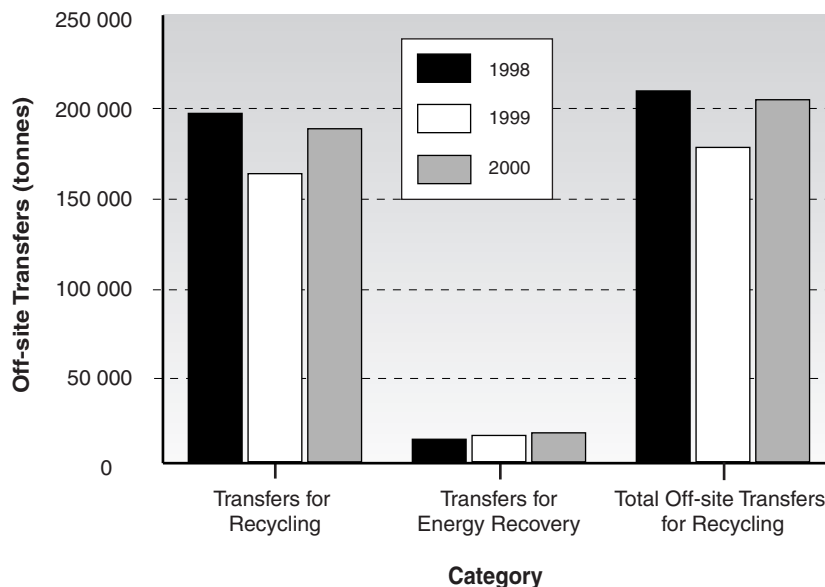
### 3.4 Trends in Off-site Transfers for Recycling

Beginning in 1998, reporting of recycling and energy recovery activities became mandatory. Before that, it was optional, so the 1997 data is considered incomplete and the trend data below has only been charted for a 3-year period. The matched data set for 2000 represented 17.9% of total off-site transfers for recycling and energy recovery reported (1 131 830.5 tonnes) because large quantities of hydrogen sulphide have been reported as transferred off site for recycling since that substance was added to the NPRI list of substances in 1999.

Overall trends for matched off-site transfers for recycling and energy recovery (1998-2000) are displayed in Table 3-1 and Figure 3-3:

- 2000: 202 066 tonnes (15.2% increase from 1999)
- 1999: 175 386 tonnes (15.2% decrease from 1998)
- 1998: 206 898 tonnes

**Figure 3-3**  
Trends in Off-site Transfers for Recycling (1998-2000) - (matched data)



Matched off-site transfers for both recycling and energy recovery remained in the 200 000-tonne range, with a 15% increase from 1999 primarily resulting from a 15.6% increase (25 145 tonnes) in recycling activities, other than hydrogen sulphide which is not a matched substance. Energy recovery remained in the 15 000-tonne range for the third consecutive year.

Substances that contributed to the overall increase were ethylene glycol (5 598.1-tonne increase from 1999), zinc (and its compounds) (5 469.0-tonne increase), copper (and its compounds) (3 931.8-tonne increase), manganese (and its compounds) (3 102.0-tonne increase) and sulphuric acid (2 805.8-tonne increase).

### 3.5 Trends in Pollution Prevention

Since 1997, the reporting of P2 activities for NPRI-listed substances has been a mandatory requirement under NPRI. Facilities are asked to provide qualitative data only, indicating what type of P2 activities they have implemented, on a substance-by-substance basis. Qualitative reporting provides basic information on P2 activity in Canada; while it indicates if P2 activity has occurred at reporting facilities, it does not indicate the extent to which P2 activity was implemented, or the resulting reduction in releases.

Based on a matched data set, the percentage of facilities reporting some P2 activity has remained relatively constant, at approximately 80% over the past four reporting years. For 2000, the distribution of P2 activity is similar to the previous three years, with approximately one-third of activity in the form of 'good operating practice or training', followed by 'spill and leak prevention' at roughly 17% (see Table 3-2).

**TABLE 3-2:**  
**P2 ACTIVITIES IN CANADA, 1997-2000 - (matched data)**

Activity	1997	1998	1999	2000
Materials or feedstock substitution	3.2%	2.8%	2.4%	2.6%
Product design or reformulation	3.9%	3.4%	3.6%	3.5%
Equipment or process modifications	9.5%	10.2%	9.6%	8.8%
Spill or leak prevention	15.4%	16.0%	17.4%	17.3%
On-site recovery, reuse or recycling	9.9%	10.7%	10.9%	11.4%
Inventory management or purchasing techniques	7.4%	7.0%	6.5%	6.7%
Good operating practice or training	28.6%	30.2%	31.6%	32.8%
Other	3.9%	3.5%	2.8%	2.6%
No P2 activity	18.2%	16.2%	15.1%	14.5%

## 4. NPRI-listed, CEPA-toxic and Carcinogenic Pollutants in Canada

### 4.1 Introduction

Some substances in the NPRI are of particular interest because they have been determined to be toxic under the *Canadian Environmental Protection Act, 1999* (CEPA 1999), or “carcinogenic” or “probably carcinogenic” by the International Agency for Research on Cancer (IARC). This chapter analyzes data for the 67 NPRI substances that have either been declared CEPA-toxic and/or IARC-carcinogenic to humans.

#### 4.1.1 CEPA-toxic Substances

The CEPA 1999 defines a substance as toxic if it has the potential to harm human health or environmental quality when released to the environment. In determining whether a substance should be declared toxic, the likelihood and magnitude of releases to the environment, as well as the harm it may cause to human health or ecosystems in Canada, are taken into account. The CEPA 1999 requires the categorization of all 23 000 substances on the Domestic Substances List (DSL) by September 2006. Then, if required, a screening-level risk assessment will be conducted to determine if they are toxic or capable of becoming toxic or whether they should undergo a more in-depth risk assessment and be placed on the Priority Substance List (PSL).

Once a substance is assessed as being toxic, it is added to the CEPA Schedule 1 List of Toxic Substances.

The Ministers of the Environment and Health have two years to develop preventive or control measures for Schedule 1 substances. These measures can include voluntary arrangements, economic instruments, and requirements for pollution-prevention planning or regulations. Once proposed, these measures must be finalized within 18 months. Regulations are made by the Governor-in-Council on the recommendation of both Ministers. For more information, refer to Environment Canada’s CEPA Registry at <[www.ec.gc.ca/CEPARegistry/default.cfm](http://www.ec.gc.ca/CEPARegistry/default.cfm)>.

#### 4.1.2 IARC-carcinogenic Substances

The classification of carcinogens used by the NPRI program is that of the International Agency for Research on Cancer (IARC). In 1969, the IARC initiated a program to evaluate the cancer risk to humans of chemicals, and to produce monographs on individual chemicals. The program has since been expanded to evaluate exposure to complex mixtures of chemicals and other agents, such as radiation and viruses. The term “carcinogen” is used in the monographs to denote an exposure that is capable of increasing the incidence of malignant neoplasm or tumour. The IARC monographs are recognized as an authoritative source of information on the carcinogenicity of a wide range of human exposures.

The NPRI-listed carcinogens include only the substances designated by the IARC as:

- “Class 1” – agents which are carcinogenic to humans; or
- “Class 2A” – probably carcinogenic to humans.

#### 4.1.3 NPRI-listed, CEPA-toxic and Carcinogenic Substances

As shown in Table 4-1, there were a total of 67 such substances in the NPRI for the 2000 reporting year. Chromium was not included in the list of CEPA-toxic substances because the NPRI groups all forms of chromium under the single listing of “chromium (and its compounds)”. Only the hexavalent form of chromium, which represents a very small portion of releases and transfers of chromium (and its compounds) reported to the NPRI, is CEPA-toxic.

The following CEPA-toxic and/or carcinogenic substances or classes of substances were added to the NPRI for 2000:

- Acrolein;
- Hexachlorobenzene (HCB);
- Polychlorinated dibenzo-*p*-dioxins and Polychlorinated dibenzofurans (dioxins/furans); and
- 17 individual Polycyclic aromatic hydrocarbons (PAHs).

Furthermore, the threshold for mercury (and its compounds), previously listed in the NPRI at the original 10-tonne and 1% concentration threshold, was lowered to 5 kg.

Other CEPA-toxic and carcinogenic substances, first added to the NPRI in 1999, include:

- ozone-depleting substances (such as CFCs, halons and HCFCs), typically used as refrigerants in refrigeration equipment and air conditioning, as solvents and in manufacturing of foamed plastics;
- Alkanes C<sub>6-18</sub>, chloro and Alkanes C<sub>10-13</sub>, chloro – chlorinated substances used in metal-working;
- inorganic fluorides;
- 3,3'-Dichlorobenzidine dihydrochloride, a suspected carcinogen, used to make pigments; and
- Tetraethyl lead, still used in aviation fuel, although no longer added to automobile gasoline.

#### 4.1.4 Substances Listed at Alternate Reporting Thresholds

New for the 2000 reporting year, several NPRI-listed substances had reporting criteria with lower or alternate reporting thresholds because they pose serious risks to human health and/or the environment in relatively low quantities – mercury (and its compounds), polycyclic aromatic hydrocarbons (PAHs), dioxins/furans and hexachlorobenzene (HCB). All of these substances are on the List of Toxic Substances of the CEPA 1999. Dioxins, furans and HCB have been identified as Track 1 substances under the Toxic Substances Management Policy (TSMP) and are considered to be persistent, bioaccumulative and toxic substances.

**TABLE 4-1:  
CEPA-TOXIC AND CARCINOGENIC SUBSTANCES IN THE NPRI FOR 2000**

Pollutant	CAS No.	CEPA-toxic	IARC <sup>1</sup>	Pollutant	CAS No.	CEPA-toxic	IARC <sup>1</sup>
Acetaldehyde	75-07-0	Y		Diethyl sulphate	64-67-5		2A
Acrolein	107-02-8	Y		Dimethyl sulphate	77-78-1		2A
Acrylamide	79-06-1		2A	Epichlorohydrin	106-89-8		2A
Acrylonitrile	107-13-1	Y		Ethylene oxide	75-21-8		1
Alkanes, C <sub>6-18</sub> , chloro	68920-70-7	Y		Fluoranthene*	206-44-0	Y	
Alkanes, C <sub>10-13</sub> , chloro	85535-84-8	Y		Formaldehyde	50-00-0		2A
Arsenic (and its compounds)	NA	Y	1	Halon 1211	353-59-3	Y	
Asbestos (friable form)	1332-21-4	Y	1	Halon 1301	75-63-8	Y	
Benzene	71-43-2	Y	1	HCFC-22	75-45-6	Y	
Benzo(a)anthracene*	56-55-3	Y	2A	HCFC-122 and all isomers	41834-16-6	Y	
Benzo(a)phenanthrene*	218-01-9	Y		HCFC-123 and all isomers	34077-87-7	Y	
Benzo(a)pyrene*	50-32-8	Y	2A	HCFC 124 and all isomers	63938-10-3	Y	
Benzo(b)fluoranthene*	205-99-2	Y		HCFC-141b	1717-00-6	Y	
Benzo(e)pyrene*	192-97-2	Y		HCFC-142b	75-68-3	Y	
Benzo(g,h,i)perylene*	191-24-2	Y		Hexachlorobenzene	118-74-1	Y	
Benzo(j)fluoranthene*	205-82-3	Y		Hydrogen fluoride	7664-39-3	Y	
Benzo(k)fluoranthene*	207-08-9	Y		Indeno(1,2,3-c,d)pyrene*	193-39-5	Y	
Benzyl chloride	100-44-7		2A	Lead (and its compounds)	NA	Y	
<b>Bis(2-ethylhexyl) phthalate</b>	117-81-7	Y		Mercury (and its compounds)	NA	Y	
1,3-Butadiene	106-99-0	Y	2A	Nickel (and its compounds)	NA	Y	1
Cadmium (and its compounds)	NA	Y	1	<b>p,p'-Methylenebis-</b>			
Calcium fluoride	7789-75-5	Y		(2-chloroaniline)	101-14-4		2A
Carbon tetrachloride	56-23-5	Y		PAHs, total Schedule 1, Part 3*	NA	Y	NA
CFC-11	75-69-4	Y		Perylene*	198-55-0	Y	
CFC-12	75-71-8	Y		Phenanthrene*	85-01-8	Y	
CFC-13	75-72-9	Y		Polychlorinated dibenzo- <b>p</b> -			
CFC-114	76-14-2	Y		dioxins and Polychlorinated			
CFC-115	76-15-3	Y		dibenzofurans	NA	Y	1 <sup>2</sup>
Dibenz(a,j)acridine*	224-42-0	Y		Pyrene*	129-00-0	Y	
Dibenzo(a)anthracene*	53-70-3	Y	2A	Sodium fluoride	7681-49-4	Y	
Dibenzo(a,i)pyrene*	189-55-9	Y		Styrene oxide	96-09-3		2A
7H-Dibenzo(c,g)carbazole*	194-59-2	Y		Sulphur hexafluoride	2551-62-4	Y	
3,3'-Dichlorobenzidine				Tetrachloroethylene	127-18-4	Y	2A
dihydrochloride	612-83-9	Y		Tetraethyl lead	78-00-2	Y	
1,2-Dichloroethane	107-06-2	Y		Trichloroethylene	79-01-6	Y	2A
Dichloromethane	75-09-2	Y		Vinyl chloride	75-01-4	Y	1

Note: Substances added to the NPRI for 2000 appear in bold lettering.

1 - Carcinogens classified as IARC Class 1 are carcinogenic to humans. IARC Class 2A substances are probably carcinogenic to humans.

2 - This classification is for 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (CAS No. 1746-01-6).

\* Denotes a polycyclic aromatic hydrocarbon (PAH). Facilities had the option of reporting release and transfer quantities for each of the 17 individual PAHs or, if information was not available individually, PAHs could be reported together under a separate listing "PAHs, total Schedule 1, Part 3".



## **ADDENDUM**

### **National Overview (2000) National Pollutant Release Inventory**

#### **Table 4-1 CEPA-TOXIC AND CARCINOGENIC SUBSTANCES IN THE NPRI FOR 2000**

Alkanes, C<sub>6-18</sub>, chloro includes both short-chain chlorinated paraffins and medium-chain chlorinated paraffins. Only short chain paraffins (i.e., ≤C<sub>13</sub>) have been found to meet the definition of toxic under Section 64 of CEPA 1999.

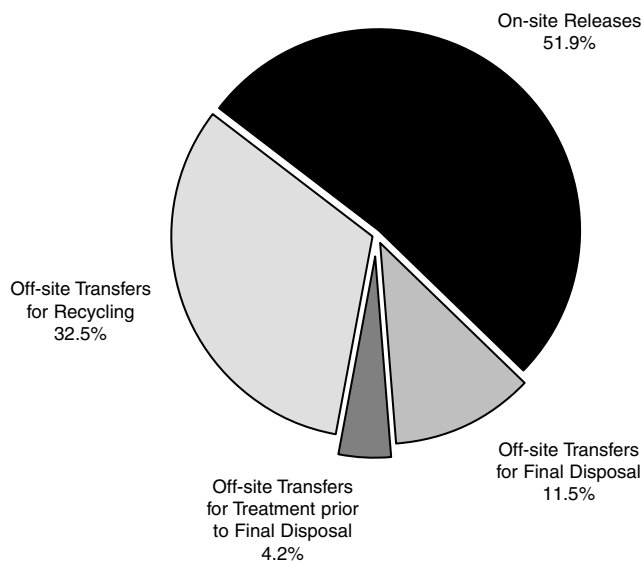
## 4.2 National Summary of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants in 2000

For the 2000 reporting year, 1 108 facilities submitted 3 063 reports for a total of 59 CEPA-toxic and carcinogenic pollutants, as shown in Table 4-2. This represented an increase in 43.9% of toxic pollutants reported from 1999, a 136.7% increase in the total number of reports submitted and a 27.9% increase in the number of facilities reporting from 1999. These large increases were primarily the result of the addition of new substances to the 2000 NPRI at alternate reporting thresholds, the lowering of the threshold for mercury (and its compounds) and the addition of acrolein at the original 10-tonne and 1% concentration threshold, all of which are classified as CEPA-toxic. There were 1 746 reports submitted by 902 facilities for the 20 substances listed at alternate reporting thresholds, and eight reports by eight facilities for acrolein.

Figure 4-1 shows that 52% of the reported pollutants were released on site, 12% were transferred off site for final disposal, 4% were transferred off site for treatment prior to final disposal and 33% were transferred off site for recycling.

On-site releases underwent negligible change between 1999 and 2000, off-site transfers for final disposal decreased by 78.0 %, off-site transfers for treatment increased by 40.4%, while off-site transfers for recycling increased by 3.4%.

**Figure 4-1**  
**National Summary of NPRI-listed,**  
**CEPA-toxic and Carcinogenic Pollutants in 2000 - (all data)**



**TABLE 4-2:  
NATIONAL SUMMARY OF NPRI-LISTED, CEPA-TOXIC AND CARCINOGENIC POLLUTANTS, 1999-2000 (TONNES) - (all data)**

	1999	2000	Change (1999-2000)	% Change (1999-2000)
<b>Total Facilities</b>	<b>866</b>	<b>1 108</b>	<b>242</b>	<b>27.9</b>
<b>Total Reports</b>	<b>1 294</b>	<b>3 063</b>	<b>1 769</b>	<b>136.7</b>
<b>Pollutants Reported</b>	<b>41</b>	<b>59</b>	<b>18</b>	<b>43.9</b>
<b>On-site Releases (tonnes):</b>				
Air	12 971.562	13 759.269	787.707	6.1
Water	118.169	114.738	-3.431	-2.9
Land				
Land Disposal				
Landfill	18 045.292	18 330.746	285.454	1.6
Land Treatment	2.113	3.818	1.705	80.7
Other Land Release				
Spills	10.252	1.010	-9.242	-90.1
Leaks	0.025	0.025	0.000	0.0
Other	298.823	279.051	-19.772	-6.6
<b>Sub-total Land</b>	<b>18 356.505</b>	<b>18 614.650</b>	<b>258.145</b>	<b>1.4</b>
Underground Injection	1 178.589	123.412	-1 055.177	-89.5
<b>Total On-site Releases</b>	<b>32 648.958</b>	<b>32 633.552</b>	<b>- 15.406</b>	<b>0.0</b>
<b>Off-site Transfers for Final Disposal (tonnes):</b>				
Land Disposal				
Landfill	32 446.651	7 047.717	-25 398.934	-78.3
Land Treatment	5.788	15.877	10.089	174.3
Storage	199.985	108.658	-91.327	-45.7
<b>Sub-total Land Disposal</b>	<b>32 652.424</b>	<b>7 172.252</b>	<b>-25 480.172</b>	<b>-78.0</b>
Underground Injection	26.674	31.747	5.073	19.0
<b>Total Off-site Final Disposal</b>	<b>32 679.098</b>	<b>7 203.999</b>	<b>-25 475.099</b>	<b>-78.0</b>
<b>Off-site Transfers for Treatment prior to Final Disposal (tonnes):</b>				
Physical	400.392	1 102.676	702.284	175.4
Chemical	625.336	647.396	22.060	3.5
Biological	2.444	2.363	-0.081	-3.3
Incineration	720.455	658.097	-62.358	-8.7
MSTP	120.613	213.022	92.409	76.6
<b>Total Off-site Treatment</b>	<b>1 869.240</b>	<b>2 623.554</b>	<b>754.314</b>	<b>40.4</b>
<b>Total Off-site Transfers for Disposal</b>	<b>34 548.338</b>	<b>9 827.552</b>	<b>-24 720.786</b>	<b>-71.6</b>
<b>Off-site Transfers for Recycling (tonnes):</b>				
Recycling	18 907.361	19 857.574	950.213	5.0
Energy Recovery	825.971	544.566	-281.405	-34.1
<b>Total Off-site Transfers for Recycling</b>	<b>19 733.332</b>	<b>20 402.140</b>	<b>668.808</b>	<b>3.4</b>

Notes: Because of rounding of release and transfer quantities, the totals may not equal the sum of the individual values.  
Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

**TABLE 4-3:**  
**NATIONAL SUMMARY OF NPRI-LISTED, CEPA-TOXIC AND CARCINOGENIC POLLUTANTS, 1997-2000 (TONNES)**  
 - (matched data)

	1997	1998	1999	2000	Change (1997-2000)	% Change (1997-2000)
<b>Total Facilities</b>	<b>719</b>	<b>741</b>	<b>797</b>	<b>828</b>	<b>109</b>	<b>15.2</b>
<b>Total Reports</b>	<b>1 063</b>	<b>1 071</b>	<b>1 139</b>	<b>1 186</b>	<b>123</b>	<b>11.6</b>
<b>Pollutants Reported</b>	<b>25</b>	<b>25</b>	<b>24</b>	<b>24</b>	<b>-1</b>	<b>-4.0</b>
<b>On-site Releases (tonnes):</b>						
Air	10 968.063	10 781.902	11 322.671	11 180.298	212.235	1.9
Water	144.514	87.333	60.843	54.163	-90.351	-62.5
Land						
Land Disposal						
Landfill	4 003.629	4 104.952	4 877.904	6 700.257	2 696.628	67.4
Land Treatment	3.220	1.474	2.113	2.116	-1.104	-34.3
Other Land Release						
Spills	6.454	1.070	2.652	0.866	-5.588	-86.6
Leaks	0.125	0.125	0.025	0.025	-0.100	-80.0
Other	241.894	286.136	257.737	185.340	-56.554	-23.4
<b>Sub-total Land</b>	<b>4 255.322</b>	<b>4 393.757</b>	<b>5 140.431</b>	<b>6 888.604</b>	<b>2 633.282</b>	<b>61.9</b>
Underground Injection	1 964.435	1 864.320	1 178.589	123.146	-1 841.289	-93.7
<b>Total On-site Releases</b>	<b>17 364.478</b>	<b>17 155.450</b>	<b>17 724.360</b>	<b>18 266.254</b>	<b>901.776</b>	<b>5.2</b>
<b>Off-site Transfers for Final Disposal (tonnes):</b>						
Land Disposal						
Landfill	6 318.133	6 088.211	29 474.124	4 059.587	-2 258.546	-35.7
Land Treatment	57.650	6.737	5.788	15.683	-41.967	-72.8
Storage	115.088	212.763	183.371	104.733	-10.355	-9.0
<b>Sub-total Land Disposal</b>	<b>6 490.871</b>	<b>6 307.711</b>	<b>29 663.283</b>	<b>4 180.003</b>	<b>-2 310.868</b>	<b>-35.6</b>
Underground Injection	45.200	22.881	26.674	31.747	-13.453	-29.8
<b>Total Off-site Releases</b>	<b>6 536.071</b>	<b>6 330.592</b>	<b>29 689.957</b>	<b>4 211.750</b>	<b>-2 324.321</b>	<b>-35.6</b>
<b>Off-site Transfers for Treatment prior to Final Disposal (tonnes):</b>						
Physical	148.408	114.225	185.807	481.508	333.100	224.4
Chemical	391.685	403.406	299.635	339.278	-52.407	-13.4
Biological	1.170	3.447	2.444	2.243	1.073	91.7
Incineration	679.439	638.756	707.955	615.987	-63.452	-9.3
MSTP	38.427	30.820	67.690	149.196	110.769	288.3
<b>Total Off-site Treatment</b>	<b>1 259.129</b>	<b>1 190.654</b>	<b>1 263.531</b>	<b>1 588.212</b>	<b>329.083</b>	<b>26.1</b>
<b>Total Off-site Transfers for Disposal</b>	<b>7 795.200</b>	<b>7 521.246</b>	<b>30 953.488</b>	<b>5 799.962</b>	<b>-1 995.238</b>	<b>-25.6</b>
<b>Off-site Transfers for Recycling (tonnes)*:</b>						
Recycling	*	21 787.011	18 525.677	19 702.840	-2 084.171	-9.6
Energy Recovery	*	769.089	825.971	544.328	-224.761	-29.2
<b>Total Off-site Transfers for Recycling</b>	<b>*</b>	<b>22 556.100</b>	<b>19 351.648</b>	<b>20 247.168</b>	<b>-2 308.932</b>	<b>-10.2</b>

Notes: Because of rounding of release and transfer quantities, the totals may not equal the sum of the individual values.

Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

\* Reporting of transfers for recycling became mandatory in 1998. As a result, trends for this category are calculated for the 3-year period, 1998-2000.

#### 4.2.1 National Summary of Pollutants Listed at Alternate Reporting Thresholds in 2000

Table 4-4 presents a national summary of the releases and transfers of the pollutants listed at alternate reporting thresholds – mercury, PAHs (combined total), dioxins/furans and HCB.

##### Mercury

The lower threshold for mercury (and its compounds) has resulted in more reports being submitted, and a larger set of data than in previous years. Environment Canada has developed a comprehensive inventory of atmospheric releases of mercury for the year 2000, which included the data reported to the NPRI. Refer to Appendix D for more details on the comprehensive mercury inventory.

##### Dioxins/furans and HCB

Polychlorinated dibenzo-*p*-dioxins and polychlorinated dibenzofurans (dioxins/furans) and hexachlorobenzene (HCB) are released primarily as by-products of industrial and combustion processes, such as incineration and metal smelting, and are also found as contaminants in certain pesticides or chlorinated solvents. For the purposes of the NPRI, releases and transfers of dioxins/furans are reported in units of international toxic equivalents (TEQ).

##### Polycyclic Aromatic Hydrocarbons (PAHs)

The 17 PAHs that were added to the NPRI for 2000 are listed in Table 4-1. Facilities had the option of reporting release and transfer quantities for each of the 17 individual PAHs or, if information was not available individually, PAHs could be reported together under a separate listing "PAHs, total Schedule 1, Part 3". These substances are predominantly incidentally manufactured during industrial processes.

The data for PAHs is presented in two manners in this report. The grouping of "PAHs (combined total)" is the sum of the data reported for the 17 individual PAHs as well as the data reported under the listing "PAHs, total Schedule 1, Part 3". In Appendix B, the release data are presented separately for each of the 17 individual PAH and "PAHs, total Schedule 1, Part 3" listings.

**TABLE 4-4:**  
**NATIONAL SUMMARY OF SUBSTANCES LISTED AT ALTERNATE REPORTING THRESHOLDS, 2000 - (all data)**

	Mercury (kg)	PAHs (combined total)* (kg)	Dioxins/Furans (g TEQ)	HCB (g)
<b>Total Facilities</b>	<b>196</b>	<b>92</b>	<b>307</b>	<b>307</b>
<b>Total Reports</b>	<b>196</b>	<b>936</b>	<b>307</b>	<b>307</b>
<b>Pollutants Reported</b>	<b>1</b>	<b>18</b>	<b>1</b>	<b>1</b>
<b>On-site Releases:</b>				
Air	5 981.746	517 596.837	103.892	37 132.984
Water	231.459	251.904	1.175	174.051
Land				
Land Disposal				
Landfill	2 759.719	2 326.661	85.502	491.054
Land Treatment	27.910	1 680.132	0.000	0.000
Other Land Release				
Spills	0.240	7.971	0.000	0.000
Leaks	0.000	1.000	0.000	0.000
Other	41.181	0.000	1.093	0.000
<b>Sub-total Land</b>	<b>2 829.050</b>	<b>4 015.764</b>	<b>86.595</b>	<b>491.054</b>
Underground Injection	25.700	0.000	18.570	0.000
<b>Total On-site Releases</b>	<b>9 067.955</b>	<b>521 864.505</b>	<b>210.232</b>	<b>37 798.089</b>
<b>Off-site Transfers for Final Disposal:</b>				
Land Disposal				
Landfill	12 032.170	88 058.103	148.809	240.280
Land Treatment	194.490	0.000	0.000	0.000
Storage	3 924.658	0.000	0.000	0.000
<b>Sub-total Land Disposal</b>	<b>16 151.318</b>	<b>88 058.103</b>	<b>148.809</b>	<b>240.280</b>
Underground Injection	0.000	0.000	0.000	0.000
<b>Total Off-site Final Disposal</b>	<b>16 151.318</b>	<b>88 058.103</b>	<b>148.809</b>	<b>240.280</b>
<b>Off-site Transfers for Treatment prior to Final Disposal:</b>				
Physical	3 207.039	5.030	10.763	1.699
Chemical	29.642	0.000	1.685	5.959
Biological	8.616	111.805	0.000	0.000
Incineration	1 473.427	6 545.305	4.917	10 201.210
MSTP	175.601	469.000	0.001	0.008
<b>Total Off-site Treatment</b>	<b>4 894.325</b>	<b>7 131.140</b>	<b>17.366</b>	<b>10 208.876</b>
<b>Total Off-site Transfers for Disposal</b>	<b>21 045.643</b>	<b>95 189.243</b>	<b>166.175</b>	<b>10 449.156</b>
<b>Off-site Transfers for Recycling:</b>				
Recycling	30 132.787	296.144	2.904	250.331
Energy Recovery	237.387	0.275	0.000	0.000
<b>Total Off-site Transfers for Recycling</b>	<b>30 370.174</b>	<b>296.419</b>	<b>2.904</b>	<b>250.331</b>

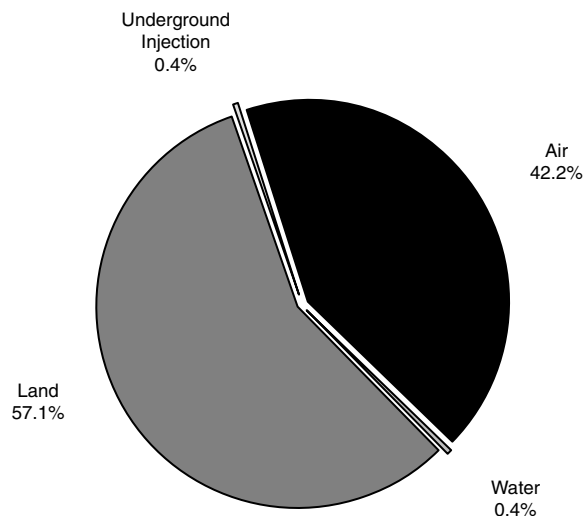
Note:

\* see section 4.2.1

### 4.3 On-site Releases of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants in 2000

For 2000, facilities reported on-site releases of CEPA-toxic and carcinogenic pollutants totalling 32 633.55 tonnes (or 8.8% of all releases of all NPRI pollutants). Releases to air accounted for 13 759.27 tonnes (or 42.2% of toxic releases), releases to water for 114.74 tonnes (or 0.4%), releases to land for 18 614.65 tonnes (or 57.1%), and releases underground by means of injection for 123.41 tonnes (or 0.4 %).

**Figure 4-2**  
**On-site Releases of NPRI-listed,**  
**CEPA-toxic and Carcinogenic Pollutants in 2000 - (all data)**



#### 4.3.1 25 NPRI-listed, CEPA-toxic and Carcinogenic Pollutants Released On Site in the Largest Quantities in 2000

Table 4-5 shows the 25 NPRI-listed, CEPA-toxic and carcinogenic pollutants released on site in the largest quantities in 2000, by environmental medium. On-site releases of these 25 pollutants represented almost all toxic releases.

**TABLE 4-5:  
ON-SITE RELEASES OF NPRI-LISTED, CEPA-TOXIC AND CARCINOGENIC POLLUTANTS BY ENVIRONMENTAL MEDIUM IN 2000 - 25 POLLUTANTS RELEASED IN THE LARGEST  
QUANTITIES (TONNES) - (all data)**

CAS No.	Pollutant	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
7789-75-5	Calcium fluoride	15.214	0.130	11 621.966	93.810	0.240	11 732.790	13 056.166	-1 323.376	-10.1
NA	Lead (and its compounds)	495.683	9.835	3 074.533	143.183	0.003	3 727.585	3 495.282	232.303	6.6
7664-39-3	Hydrogen fluoride	3 600.834	0.000	0.000	0.000	0.000	3 601.098	3 541.969	59.129	1.7
1332-21-4	Asbestos (friable form)	0.000	0.000	3 144.089	2.410	0.000	3 147.021	1 421.313	1 725.708	82.4
75-09-2	Dichloromethane	2 218.786	0.000	0.000	0.025	0.000	2 219.846	2 401.495	-181.649	-7.6
50-00-0	Formaldehyde	1 774.560	28.510	0.500	0.001	9.651	1 814.772	1 660.396	154.376	9.3
71-43-2	Benzene	1 132.689	0.703	0.115	0.213	113.389	1 251.489	1 434.570	-183.081	-12.8
75-07-0	Acetaldehyde	928.440	23.526	0.033	0.000	0.000	952.092	867.688	84.404	9.7
75-68-3	HCFC-142b	941.089	0.000	0.000	0.000	0.000	941.089	746.066	195.023	26.1
NA	Nickel (and its compounds)	468.864	37.809	256.475	11.877	0.010	778.600	606.926	171.674	28.3
79-01-6	Trichloroethylene	649.726	0.000	0.000	0.000	0.000	650.071	690.309	-40.238	-5.8
NA	PAHs (combined total)*	512.811	0.222	3.904	0.004	0.000	516.940	-	516.940	-
NA	Arsenic (and its compounds)	164.796	3.680	100.538	28.504	0.000	297.625	1 370.859	-1 073.234	-78.3
1717-00-6	HCFC-141b	166.956	0.000	0.000	0.000	0.000	166.957	178.955	-11.998	-6.7
NA	Cadmium (and its compounds)	34.121	0.906	129.505	0.000	0.000	164.755	179.848	-15.093	-8.4
75-45-6	HCFC-22	127.913	0.215	0.000	0.000	0.000	128.136	137.579	-9.443	-6.9
127-18-4	Tetrachloroethylene	121.550	0.034	0.000	0.000	0.000	122.864	125.902	-3.038	-2.4
106-99-0	1,3-Butadiene	119.648	0.000	0.000	0.000	0.000	119.834	96.089	23.745	24.7
2551-62-4	Sulphur hexafluoride	98.442	0.000	0.000	0.000	0.000	98.442	73.328	25.114	34.2
107-02-8	Acrolein*	96.019	0.000	0.000	0.000	0.000	96.019	-	96.019	-
107-06-2	1,2-Dichloroethane	19.647	0.070	0.118	0.000	0.093	19.928	27.300	-7.372	-27.0
75-21-8	Ethylene oxide	18.516	0.000	0.000	0.000	0.000	18.592	22.359	-3.767	-16.8
117-81-7	Bis(2-ethylhexyl) phthalate	18.218	0.000	0.000	0.018	0.000	18.258	10.285	7.973	77.5
75-01-4	Vinyl chloride	16.729	0.019	0.000	0.000	0.000	16.934	19.246	-2.312	-12.0
34077-87-7	HCFC-123 and all isomers	2.737	7.397	0.000	0.000	0.000	10.134	0.227	9.907	**
<b>Total Largest On-site Releases</b>		<b>13 743.988</b>	<b>113.056</b>	<b>18 331.776</b>	<b>280.045</b>	<b>123.386</b>	<b>32 611.871</b>	<b>32 468.552</b>	<b>143.319</b>	<b>0.4</b>
<b>National Total</b>		<b>13 759.269</b>	<b>114.738</b>	<b>18 334.564</b>	<b>280.086</b>	<b>123.412</b>	<b>32 633.552</b>	<b>32 648.958</b>	<b>-15.406</b>	<b>0.0</b>
<b>% of National Total</b>		<b>99.9</b>	<b>98.5</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>99.9</b>	<b>99.4</b>	<b>0.5</b>	<b>0.5</b>

Notes: Because of rounding of release and transfer quantities, the totals may not equal the sum of the individual values.

Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

\* Land Disposal\* includes Landfill and Land Treatment. "Other Land Releases" includes Land Spill, Land Leak and Land Other.

\*\* These substances were added to the NPRI in 2000.

\*\* Percentages greater than 750 are not shown.



**Figure 4-3**  
**Top Five NPRI-listed, CEPA-toxic and Carcinogenic Pollutants Released**  
**On Site in the Largest Quantities in 1999 and 2000 (tonnes) - (all data)**

2000	Pollutant	Total	% Change (1999-2000)
1	Calcium fluoride	11 732.79	-10.1
2	Lead (and its compounds)	3 727.59	6.6
3	Hydrogen fluoride	3 601.10	1.7
4	Asbestos (friable form)	3 147.02	82.4
5	Dichloromethane	2 219.85	-7.6

1999	Pollutant	Total
1	Calcium fluoride	13 056.17
2	Hydrogen fluoride	3 541.97
3	Lead (and its compounds)	3 495.28
4	Dichloromethane	2 401.50
5	Asbestos (friable form)	1 725.71

The five pollutants released on site in the largest quantities in 2000 are the same as those in 1999, but with a slight change in ranking (see Figure 4-3). Calcium fluoride, added in 1999 and released mostly to land by one facility (Groupe Alcan Métal Primaire, Usine Vaudreuil in Jonquière, QC), remained at the top. Usine Vaudreuil is an electrochemical facility that handles some of the wastes from several Alcan primary metal facilities. Calcium fluoride is used as a chemical aid to lower the melting temperature in the electrolytic bath where metal aluminum is produced from alumina. Lead (and its compounds) moved to second place from third, hydrogen fluoride dropped to third place from second, asbestos went to fourth place from fifth and dichloromethane dropped to fifth place from fourth.

Notable changes from 1999 were:

- an 82% increase (1 421.31 tonnes) in releases of the friable form of asbestos to land, primarily attributed to asbestos removal and disposal activities in Alberta.
- the 78% drop (1 073.23 tonnes) in arsenic (and its compounds) was the result of Giant Mine (Miramar Con Mine Ltd.) in Yellowknife, NT, shutting down in September 1999.

#### 4.3.2 Industrial Sectors Releasing the Largest Quantities of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants On Site in 2000

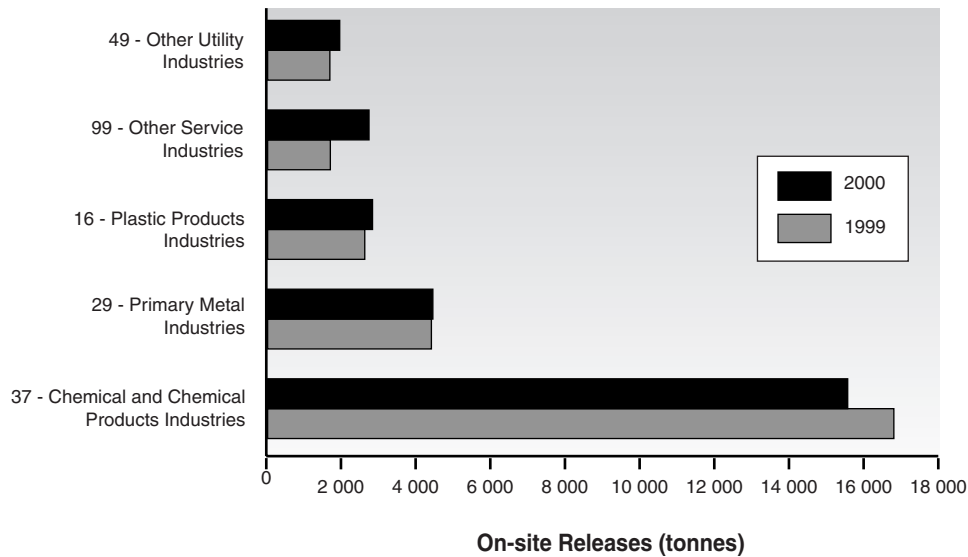
In 2000, the five industrial sectors that reported the largest on-site releases of toxic pollutants accounted for 84% of on-site releases:

- SIC 37 - Chemical and Chemical Products Industries - 15 538.80 tonnes (48% of national total)
- SIC 29 - Primary Metal Industries - 4 426.26 tonnes (14%)
- SIC 16 - Plastic Products Industries - 2 810.77 tonnes (9%)
- SIC 99 - Other Service Industries - 2 716.75 tonnes (8%)
- SIC 49 - Other Utility Industries - 1 931.12 tonnes (6%)

These were the same sectors that reported the largest on-site releases in 1999 (see Table 4-6). The Chemical and Chemical Products Industries sector accounted for 15 538.80 tonnes, or 48%, of all toxic on-site releases reported (32 633.55 tonnes), 11 626.50 tonnes of which were attributed to releases of calcium fluoride and 2 662.67 tonnes to lead (and its compounds), both primarily to land disposal.

The Primary Metal Industries sector reported the second-largest on-site releases of toxic pollutants (4 426.26 tonnes, or 14% of all toxic on-site releases), of which 1 706.20 tonnes were releases of hydrogen fluoride to air, a substance added to the NPRI in 1999, and 792.82 tonnes of lead (and its compounds), mostly to air. The largest releases by the Plastic Products Industries sector were dichloromethane (1 791.95 tonnes) and HCFC-142b (793.74 tonnes), all to air. The largest release by the Other Service Industries sector was the friable form of asbestos (2 685.08 tonnes), all to land disposal, while that of the Other Utility Industries sector was hydrogen fluoride (1 555.18 tonnes), all to air.

**Figure 4-4**  
**Five Industrial Sectors Reporting the Largest On-site Releases of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants in 1999 and 2000 - (all data)**



**TABLE 4-6:  
ON-SITE RELEASES BY INDUSTRIAL SECTOR IN 2000 - 10 SECTORS RELEASING THE LARGEST QUANTITIES OF NPRI-LISTED, CEPA-TOXIC AND CARCINOGENIC POLLUTANTS  
(TONNES) - (all data)**

CAS No.	Pollutant	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
<b>37 - Chemical and Chemical Products Industries</b>										
7789-75-5	Calcium fluoride	9.500	0.000	11 617.000	0.000	0.000	11 626.500	12 997.600	-1 371.100	-10.5
NA	Lead (and its compounds)	0.106	0.015	2 662.048	0.000	0.000	2 662.671	2 264.490	398.181	17.6
75-09-2	Dichloromethane	267.680	0.000	0.000	0.025	0.000	268.109	458.871	-190.762	-41.6
71-43-2	Benzene	195.229	0.019	0.000	0.000	32.678	227.926	178.362	49.564	27.8
75-68-3	HCFC-142b	147.354	0.000	0.000	0.000	0.000	147.354	119.971	27.383	22.8
<b>Total all Pollutants in Sector</b>		<b>1 014.361</b>	<b>10.213</b>	<b>14 467.726</b>	<b>0.044</b>	<b>42.432</b>	<b>15 538.802</b>	<b>16 774.960</b>	<b>-1 236.158</b>	<b>-7.4</b>
<b>29 - Primary Metal Industries</b>										
7664-39-3	Hydrogen fluoride	1 706.199	0.000	0.000	0.000	0.000	1 706.201	1 886.847	-180.646	-9.6
NA	Lead (and its compounds)	463.186	4.912	223.830	98.845	0.000	792.822	939.197	-146.375	-15.6
NA	PAHs (combined total)*	497.893	0.027	1.796	0.000	0.000	499.716	-	499.716	-
71-43-2	Benzene	484.992	0.058	0.000	0.002	0.000	485.052	715.011	-229.959	-32.2
NA	Nickel (and its compounds)	215.802	21.958	35.534	0.000	0.000	273.933	222.776	51.157	23.0
<b>Total all Pollutants in Sector</b>		<b>3 932.802</b>	<b>29.999</b>	<b>266.488</b>	<b>192.529</b>	<b>0.000</b>	<b>4 426.255</b>	<b>4 387.517</b>	<b>38.738</b>	<b>0.9</b>
<b>16 - Plastic Products Industries</b>										
75-09-2	Dichloromethane	1 791.954	0.000	0.000	0.000	0.000	1 791.954	1 772.380	19.574	1.1
75-68-3	HCFC-142b	793.735	0.000	0.000	0.000	0.000	793.735	626.095	167.640	26.8
75-45-6	HCFC-22	113.378	0.000	0.000	0.000	0.000	113.378	109.167	4.211	3.9
79-01-6	Trichloroethylene	97.534	0.000	0.000	0.000	0.000	97.534	76.959	20.575	26.7
75-07-0	Acetaldehyde	9.304	0.107	0.000	0.000	0.000	9.504	0.100	9.404	9 404.0
<b>Total all Pollutants in Sector</b>		<b>2 809.087</b>	<b>0.107</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2 810.766</b>	<b>2 602.797</b>	<b>207.969</b>	<b>8.0</b>
<b>99 - Other Service Industries</b>										
1332-21-4	Asbestos (friable form)	0.000	0.000	2 685.077	0.000	0.000	2 685.077	1 588.763	1 096.314	69.0
NA	Lead (and its compounds)	0.000	0.000	30.265	0.000	0.000	30.265	23.628	6.637	28.1
75-21-8	Ethylene oxide	0.700	0.000	0.000	0.000	0.000	0.700	3.890	-3.190	-82.0
75-09-2	Dichloromethane	0.311	0.000	0.000	0.000	0.000	0.311	0.326	-0.015	-4.6
71-43-2	Benzene	0.147	0.000	0.000	0.000	0.000	0.147	0.114	0.033	28.9
<b>Total all Pollutants in Sector</b>		<b>1.404</b>	<b>0.000</b>	<b>2 715.342</b>	<b>0.000</b>	<b>0.000</b>	<b>2 716.746</b>	<b>1 680.127</b>	<b>1 036.619</b>	<b>61.7</b>

TABLE 4-6: CONTINUED

CAS No.	Pollutant	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
<b>49 - Other Utility Industries</b>										
7664-39-3	Hydrogen fluoride	1 555.184	0.000	0.000	0.000	0.000	1 555.184	1 336.024	219.160	16.4
NA	Nickel (and its compounds)	18.400	0.183	158.653	11.874	0.000	189.110	171.029	18.081	10.6
NA	Lead (and its compounds)	0.484	2.164	97.227	10.704	0.000	110.579	97.627	12.952	13.3
NA	Arsenic (and its compounds)	0.366	1.332	41.738	28.040	0.000	71.476	59.151	12.325	20.8
NA	Mercury (and its compounds)	1.525	0.049	0.639	0.022	0.026	2.262	0.006	2.256	37 598.3
<b>Total all Pollutants in Sector</b>		<b>1 577.842</b>	<b>3.728</b>	<b>298.485</b>	<b>50.640</b>	<b>0.026</b>	<b>1 931.122</b>	<b>1 667.204</b>	<b>263.918</b>	<b>15.8</b>
<b>25 - Wood Industries</b>										
50-00-0	Formaldehyde	1 495.710	0.070	0.000	0.000	0.000	1 495.780	1 269.368	226.412	17.8
75-07-0	Acetaldehyde	278.121	0.000	0.000	0.000	0.000	278.121	310.906	-32.785	-10.5
107-02-8	Acrolein*	92.039	0.000	0.000	0.000	0.000	92.039	-	92.039	-
NA	Arsenic (and its compounds)	0.000	0.004	0.000	0.464	0.000	0.479	0.010	0.469	**
NA	PAHs (combined total)*	0.067	0.000	0.000	0.000	0.000	0.067	-	0.067	-
<b>Total all Pollutants in Sector</b>		<b>1 865.937</b>	<b>0.074</b>	<b>0.000</b>	<b>0.464</b>	<b>0.000</b>	<b>1 866.486</b>	<b>1 580.284</b>	<b>286.202</b>	<b>18.1</b>
<b>07 - Crude Petroleum and Natural Gas Industries</b>										
1332-21-4	Asbestos (friable form)	0.000	0.000	426.441	2.410	0.000	428.851	88.050	340.801	387.1
71-43-2	Benzene	175.322	0.003	0.000	0.180	64.166	243.451	282.709	-39.258	-13.9
50-00-0	Formaldehyde	9.691	0.000	0.000	0.000	0.000	9.691	63.762	-54.071	-84.8
106-99-0	1,3-Butadiene	7.396	0.000	0.000	0.000	0.000	7.396	5.172	2.224	43.0
NA	Nickel (and its compounds)	3.385	1.884	0.000	0.000	0.000	5.269	3.838	1.431	37.3
<b>Total all Pollutants in Sector</b>		<b>195.918</b>	<b>1.889</b>	<b>426.442</b>	<b>2.590</b>	<b>64.166</b>	<b>694.785</b>	<b>443.531</b>	<b>251.254</b>	<b>56.6</b>
<b>27 - Paper and Allied Products Industries</b>										
75-07-0	Acetaldehyde	504.891	23.419	0.033	0.000	0.000	528.343	419.613	108.730	25.9
50-00-0	Formaldehyde	65.707	27.510	0.500	0.000	0.000	93.717	112.541	-18.824	-16.7
71-43-2	Benzene	25.544	0.000	0.000	0.000	0.000	25.544	0.000	25.544	**
75-09-2	Dichloromethane	12.580	0.000	0.000	0.000	0.000	12.580	12.360	0.220	1.8
NA	PAHs (combined total)*	7.833	0.182	0.190	0.000	0.000	8.205	-	8.205	-
<b>Total all Pollutants in Sector</b>		<b>616.910</b>	<b>51.133</b>	<b>3.860</b>	<b>0.000</b>	<b>0.000</b>	<b>671.904</b>	<b>561.412</b>	<b>110.492</b>	<b>19.7</b>

TABLE 4-6: CONTINUED

CAS No.	Pollutant	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
<b>36 - Refined Petroleum and Coal Products Industries</b>										
71-43-2	Benzene	215.619	0.623	0.115	0.031	16.545	233.533	258.264	-24.731	-9.6
NA	Nickel (and its compounds)	56.730	0.004	1.597	0.000	0.000	58.331	58.831	-0.500	-0.8
106-99-0	1,3-Butadiene	53.520	0.000	0.000	0.000	0.000	53.520	18.646	34.874	187.0
1717-00-6	HCFC-141b	4.240	0.000	0.000	0.000	0.000	4.240	3.210	1.030	32.1
NA	PAHs (combined total)*	2.077	0.013	1.690	0.004	0.000	3.784	-	3.784	-
<b>Total all Pollutants in Sector</b>		<b>333.857</b>	<b>0.673</b>	<b>3.517</b>	<b>0.042</b>	<b>16.548</b>	<b>356.056</b>	<b>339.448</b>	<b>16.608</b>	<b>4.9</b>
<b>35 - Non-metallic Mineral Products Industries</b>										
7664-39-3	Hydrogen fluoride	137.360	0.000	0.000	0.000	0.000	137.360	134.524	2.836	2.1
50-00-0	Formaldehyde	93.602	0.000	0.000	0.000	0.000	93.602	70.381	23.221	33.0
71-43-2	Benzene	34.826	0.000	0.000	0.000	0.000	34.826	0.000	34.826	**
75-09-2	Dichloromethane	25.091	0.000	0.000	0.000	0.000	25.091	26.013	-0.922	-3.5
NA	Lead (and its compounds)	3.749	0.025	0.000	0.000	0.000	3.840	17.075	-13.235	-77.5
<b>Total all Pollutants in Sector</b>		<b>295.379</b>	<b>0.025</b>	<b>0.001</b>	<b>0.007</b>	<b>0.000</b>	<b>295.617</b>	<b>248.093</b>	<b>47.524</b>	<b>19.2</b>
<b>Total Largest On-site Releases</b>		<b>12 787.306</b>	<b>101.359</b>	<b>18 137.053</b>	<b>186.371</b>	<b>113.655</b>	<b>31 339.447</b>	<b>31 078.029</b>	<b>261.418</b>	<b>0.8</b>
<b>National Total</b>		<b>13 759.269</b>	<b>114.738</b>	<b>18 334.564</b>	<b>280.086</b>	<b>123.412</b>	<b>32 633.552</b>	<b>32 648.958</b>	<b>-15.406</b>	<b>0.0</b>
<b>% of National Total</b>		<b>92.9</b>	<b>88.3</b>	<b>98.9</b>	<b>66.5</b>	<b>92.1</b>	<b>96.0</b>	<b>95.2</b>	<b>0.8</b>	<b>0.9</b>

Notes: Because of rounding of release and transfer quantities, the totals may not equal the sum of the individual values.

A maximum of five pollutants is listed for each sector.

Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

Where total quantities released in 1999 are shown as "0.000", this indicates either releases were reported as "zero" or no reports were submitted to the NPRI for that substance.

"Land Disposal" includes Landfill and Land Treatment. "Other Land Releases" includes Land Spill, Land Leak and Land Other.

\* These substances were added to the NPRI in 2000.

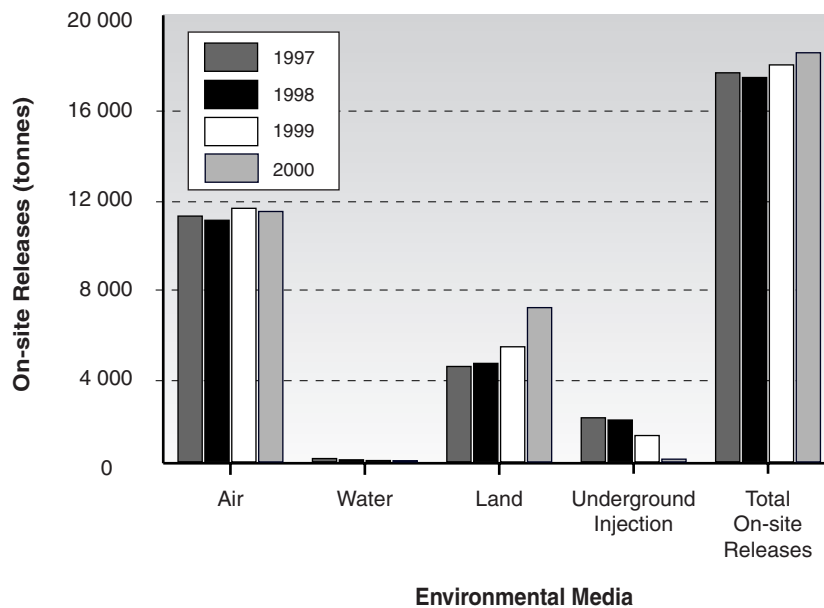
\*\* Percentages greater than 750 are not shown.

#### 4.3.3 Trends in On-site Releases of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants (1997-2000)

For 2000, the matched data set represented:

- 74.7% of the 1 108 facilities reporting toxic pollutants;
- 38.7% of the 3 063 reports for these pollutants;
- 40.7% of 59 CEPA-toxic and carcinogenic pollutants for which a report was submitted to the NPRI; and
- 55.9% of the total on-site releases of these pollutants (32 633.55 tonnes).

**Figure 4-5**  
Trends in On-site Releases of NPRI-listed,  
CEPA-toxic and Carcinogenic Pollutants for 1997-2000 - (matched data)



When matched on-site releases of toxic pollutants are charted, two trends stand out for 2000 – a 34% increase (1 748.2 tonnes) in on-site releases to land from 1999 and a 90% decrease (1 055.5 tonnes) in releases to underground injection from 1999. The increase in land releases was attributable to an 82% increase (1 421.3 tonnes) in asbestos disposal to land by three facilities in Alberta (see section 4.3.1). Total on-site releases to underground injection decreased from 1 178.6 tonnes in 1999 to 123.1 tonnes in 2000, primarily the result of the shutting down of Giant Mine in Yellowknife, NT (see section 4.3.1).

**Figure 4-6**  
**Trends in On-site Releases of the Five NPRI-listed, CEPA-toxic and Carcinogenic Pollutants Released in the Largest Quantities (1997-2000) - (matched data)**

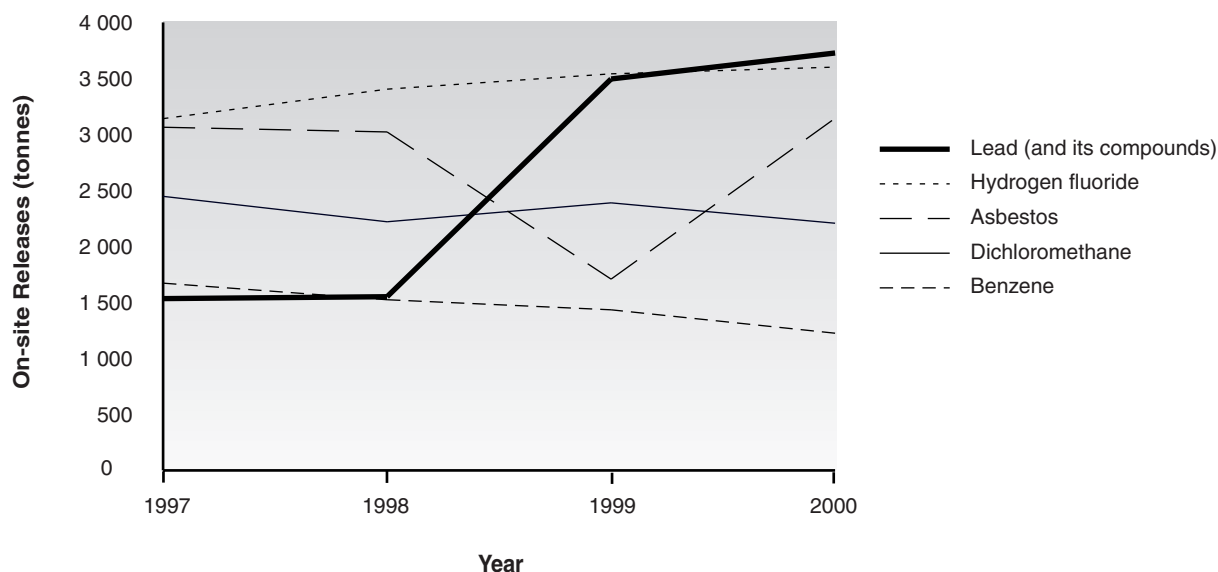


Figure 4-6 shows trends for the five toxic pollutants released in the largest quantities from 1997 to 2000. Benzene is the substance that showed a continuous downward trend, and now is below 1 500 tonnes. Asbestos dipped in 1999 to 1 725.7 tonnes but rose back up to 3 147 tonnes in 2000. The large increase in releases of lead (and its compounds) from 1998 to 1999 was attributable to one landfill facility, Safety-Kleen Ltd.'s Lambton facility in Corunna, ON.

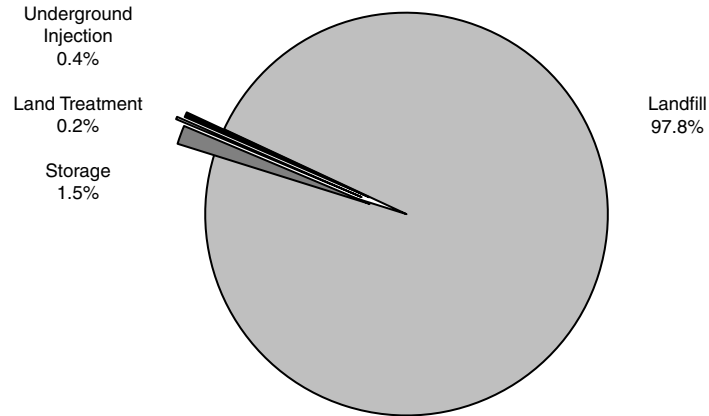
#### 4.4 Off-site Transfers for Disposal of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants in 2000

In 2000, facilities across Canada reported off-site transfers for disposal of toxic pollutants totalling 9 827.55 tonnes (or 12.1% of all transfers for disposal of all NPRI pollutants). More specifically, transfers for final disposal accounted for 7 204.00 tonnes (or 73% of transfers for disposal), and transfers for treatment prior to final disposal accounted for 2 623.55 tonnes (or 27% of transfers for disposal).

a) Off-site transfers for final disposal (see Table 4-2, Figure 4-7):

- Landfill - 7 047.72 tonnes (97.8% of total toxic transfers for final disposal)
- Storage - 108.66 tonnes (1.5%)
- Underground Injection - 31.75 tonnes (0.4%)
- Land Treatment - 15.88 tonnes (0.2%)

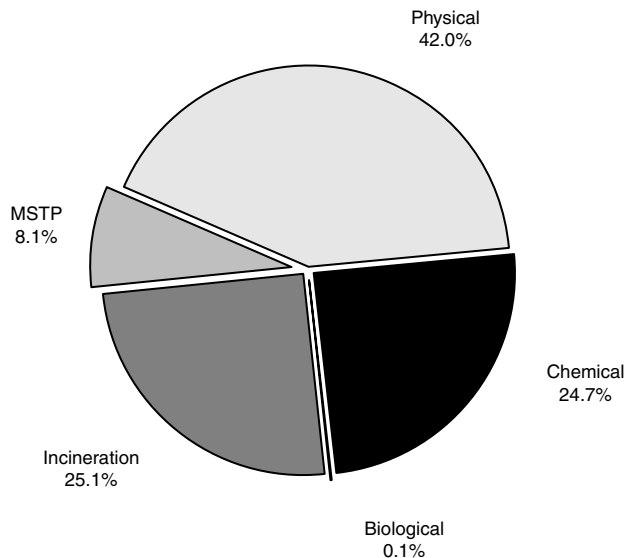
**Figure 4-7**  
**Off-site Transfers for Final Disposal of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants in 2000 - (all data)**



b) Off-site transfers for treatment prior to final disposal (see Table 4-2, Figure 4-8):

- Physical - 1 102.68 tonnes (42.0% of total toxic transfers for treatment)
- Incineration - 658.10 tonnes (25.1%)
- Chemical - 647.40 tonnes (24.7%)
- MSTP - 213.02 tonnes (8.1%)
- Biological - 2.36 tonnes (0.1%)

**Figure 4-8**  
**Off-site Transfers for Treatment prior to Final Disposal of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants in 2000 - (all data)**





4.4.1 25 NPRI-listed, CEPA-toxic and Carcinogenic Pollutants Transferred Off Site for Disposal in the Largest Quantities in 2000

Table 4-7 highlights the 25 toxic pollutants transferred off site for disposal in the largest quantities in 2000, by category, which in this case represented all transfers for disposal in 2000.

The five pollutants transferred off site in the largest quantities (8 799.67 tonnes), represented 89.5% of the total toxic transfers for disposal.

**Figure 4-9**  
**Top Five NPRI-listed, CEPA-toxic and Carcinogenic Pollutants Transferred Off Site in the Largest Quantities in 1999 and 2000 (tonnes) - (all data)**

2000	Pollutant	Final Disposal	Treatment	Total	% Change (1999-2000)
1	Calcium fluoride	2 863.92	991.06	3 774.98	10.7
2	Lead (and its compounds)	1 450.18	306.28	1 756.46	-88.5
3	Asbestos (friable form)	1 643.04	0.00	1 643.04	4.3
4	Nickel (and its compounds)	668.29	399.48	1 067.76	56.0
5	Formaldehyde	74.62	283.72	358.34	8.4

1999	Pollutant	Total
1	Lead (and its compounds)	15 273.20
2	Cadmium (and its compounds)	12 130.16
3	Calcium fluoride	3 409.45
4	Asbestos	1 575.24
5	Nickel (and its compounds)	684.51

**TABLE 4-7:  
OFF-SITE TRANSFERS FOR DISPOSAL BY CATEGORY IN 2000 - 25 NPRI-LISTED, CEPA-TOXIC AND CARCINOGENIC POLLUTANTS TRANSFERRED IN THE LARGEST QUANTITIES  
(TONNES) - (all data)**

CAS No.	Pollutant	Treatment					Disposal					1999 Total	2000 Total	Change (1999-2000)	% Change (1999-2000)
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage	Underground Injection	Land Treatment					
7789-75-5	Calcium fluoride	617.661	293.400	0.000	0.000	0.000	2 863.923	0.000	0.000	0.000	0.000	3 774.984	3 409.447	365.537	10.7
NA	Lead (and its compounds)	134.571	159.173	0.000	10.224	2.311	1 400.890	49.223	0.070	0.000	0.000	1 756.462	15 273.202	-13 516.740	-88.5
1332-21-4	Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000	1 643.040	0.000	0.000	0.000	0.000	1 643.040	1 575.235	67.805	4.3
NA	Nickel (and its compounds)	319.276	76.102	0.000	0.175	3.922	609.301	34.823	24.164	0.000	0.000	1 067.763	684.511	383.252	56.0
50-00-0	Formaldehyde	0.030	2.636	1.910	149.109	130.034	74.135	0.299	0.000	0.183	358.336	330.635	27.701	8.4	
NA	Arsenic (and its compounds)	4.031	80.926	0.000	0.000	0.115	113.030	0.980	0.000	0.000	199.082	205.701	205.701	-6.619	-3.2
75-09-2	Dichloromethane	10.654	4.680	0.000	165.940	12.250	1.265	0.000	0.036	0.000	194.825	202.151	202.151	-7.326	-3.6
71-43-2	Benzene	0.022	0.000	0.243	109.288	0.498	21.583	19.396	7.477	15.500	174.007	184.092	184.092	-10.085	-5.5
NA	Cadmium (and its compounds)	1.900	0.000	0.000	0.000	0.019	133.886	0.000	0.000	0.000	135.805	12 130.158	11 994.353	-98.9	
NA	PAHs (combined total)*	0.005	0.000	0.112	5.002	0.469	87.989	0.000	0.000	0.000	93.577	-	-	93.577	-
117-81-7	Bis(2-ethylhexyl) phthalate	1.346	9.047	0.000	4.300	0.032	61.387	0.002	0.000	0.000	76.114	70.964	70.964	5.150	7.3
79-01-6	Trichloroethylene	6.000	6.241	0.000	52.071	0.000	0.564	0.000	0.000	0.000	64.876	108.876	108.876	-44.000	-40.4
127-18-4	Tetrachloroethylene	3.432	1.951	0.090	49.735	0.000	0.640	0.010	0.000	0.000	55.858	179.798	179.798	-123.940	-68.9
107-06-2	1,2-Dichloroethane	0.000	0.000	0.000	53.418	0.000	0.000	0.000	0.000	0.000	53.418	6.353	6.353	47.065	740.8
7681-49-4	Sodium fluoride	0.295	0.000	0.000	0.001	28.200	13.600	0.000	0.000	0.000	42.096	53.123	53.123	-11.027	-20.8
107-02-8	Acrolein*	0.000	0.000	0.000	0.000	34.980	0.000	0.000	0.000	0.000	34.980	-	-	34.980	-
78-00-2	Tetraethyl lead	0.000	0.000	0.000	34.000	0.000	0.000	0.000	0.000	0.000	34.000	0.000	0.000	34.000	**
NA	Mercury (and its compounds)	3.207	0.030	0.009	1.473	0.176	12.032	3.925	0.000	0.194	21.046	9.881	11.165	11.165	113.0
56-23-5	Carbon tetrachloride	0.000	0.000	0.000	15.020	0.000	0.000	0.000	0.000	0.000	15.020	12.674	12.674	2.346	18.5
75-45-6	HCFC-22	0.000	12.188	0.000	0.000	0.000	1.100	0.000	0.000	0.000	13.288	1.788	11.500	643.2	

TABLE 4-7: CONTINUED

CAS No.	Pollutant	Treatment					Disposal					% Change (1999-2000)		
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage	Underground Injection	Land Treatment	2000 Total		1999 Total	
1717-00-6	HCFC-141b	0.000	0.000	0.000	0.369	0.000	8.900	0.000	0.000	0.000	9.269	7.600	1.669	22.0
106-99-0	1,3-Butadiene	0.000	0.000	0.000	6.239	0.000	0.000	0.000	0.000	0.000	6.239	7.856	-1.617	-20.6
34077-87-7	HCFC-123 and all isomers	0.000	0.000	0.000	1.254	0.000	0.000	0.000	0.000	0.000	1.254	0.000	1.254	**
7664-39-3	Hydrogen fluoride	0.000	1.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.022	19.400	-18.378	-94.7
7107-13-1	Acrylonitrile	0.210	0.000	0.000	0.408	0.000	0.000	0.000	0.000	0.000	0.618	62.260	-61.642	-99.0
<b>Total Largest Off-site Transfers</b>		<b>1 102.640</b>	<b>647.396</b>	<b>2.363</b>	<b>658.027</b>	<b>213.006</b>	<b>7 047.265</b>	<b>108.658</b>	<b>31.747</b>	<b>15.877</b>	<b>9 826.979</b>	<b>34 535.705</b>	<b>-24 708.726</b>	<b>-71.5</b>
<b>National Total</b>		<b>1 102.676</b>	<b>647.396</b>	<b>2.363</b>	<b>658.097</b>	<b>213.022</b>	<b>7 047.717</b>	<b>108.658</b>	<b>31.747</b>	<b>15.877</b>	<b>9 827.552</b>	<b>34 548.338</b>	<b>-24 720.786</b>	<b>-71.6</b>
<b>% of National Total</b>		<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0</b>

Notes: Because of rounding of release and transfer quantities, the totals may not equal the sum of the individual values.

Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

Where total quantities transferred in 1999 are shown as "0.000", this indicates either transfers were reported as "zero" or no reports were submitted to the NPRI for that substance.

\* These substances were added to the NPRI in 2000.

\*\* Percentages greater than 750 are not shown.

Notable changes in 2000 were, a 13 516.74-tonne decrease (88.5%) in transfers for disposal of lead (and its compounds) and a 11 994.35-tonne decrease (98.9%) in cadmium (and its compounds), attributed mostly to the closure of one facility – Philip Enterprises Inc.'s Philip Mill Services Facility\* in Hamilton, ON. Transfers for disposal of nickel (and its compounds) increased by 56.0% (or 383.25 tonnes), mainly attributed to Slater Stainless Steel Corp.'s Aciers inoxydables Atlas facility in Sorel-Tracy, QC.

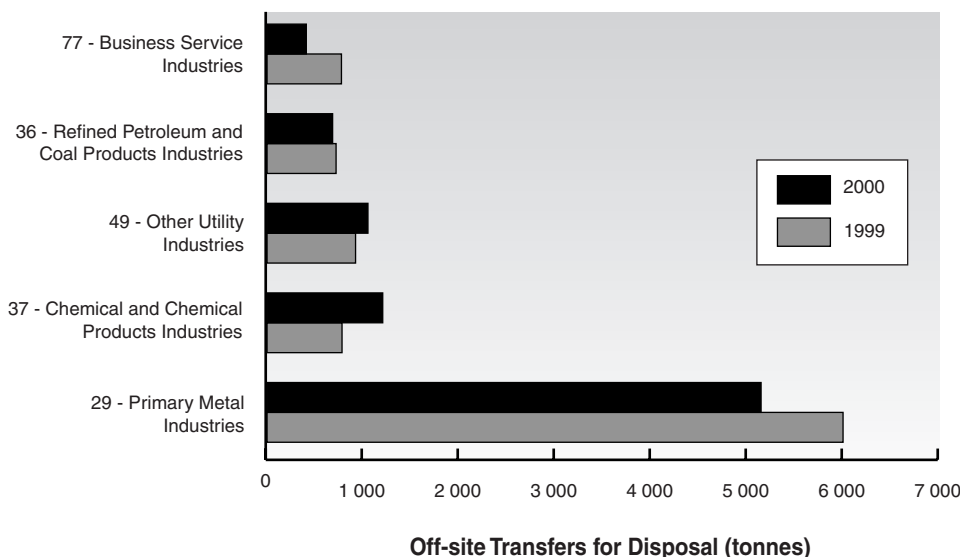
#### 4.4.2 Industrial Sectors Transferring the Largest Quantities of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants Off Site for Disposal in 2000

In 2000, the five industrial sectors reporting the largest off-site transfers for disposal of toxic pollutants accounted for 86.4% of all toxic transfers for disposal. They were:

- SIC 29 - Primary Metal Industries - 5 146.05 tonnes (52% of national total)
- SIC 37 - Chemical and Chemical Products Industries - 1 204.793 tonnes (12%)
- SIC 49 - Other Utility Industries - 1 051.023 tonnes (11%)
- SIC 36 - Refined Petroleum and Coal Products Industries - 682.787 tonnes (7%)
- SIC 77 - Business Service Industries - 409.131 tonnes (4%)

These five industrial sectors also reported the largest off-site transfers for disposal in 1999, although the ranking differed slightly (see Table 4-8, Figure 4-10).

**Figure 4-10**  
Five Industrial Sectors Reporting the Largest Off-site Transfers for Disposal of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants in 1999 and 2000 - (all data)



A major change over 1999 was a 13 238.39-tonne decrease (92.8%) in transfers of lead (and its compounds) and an 11 966.10-tonne decrease (99.3%) in cadmium (and its compounds) by the Primary Metal Industries sector, attributed to the closure of Philip Enterprises Inc.'s Philip Mill Services facility in Hamilton, ON.

\* In 1999, Philip Mill Services in Hamilton, ON, transferred off-site: 15 000 tonnes of zinc, 13 000 tonnes of lead, 12 000 tonnes of cadmium and 6 000 tonnes of chromium, and their compounds. Note, however, that zinc and chromium have not been declared toxic under the CEPA 1999.

**TABLE 4-8: OFF-SITE TRANSFERS FOR DISPOSAL BY INDUSTRIAL SECTOR IN 2000 - 10 SECTORS TRANSFERRING THE LARGEST QUANTITIES OF NPRI-LISTED, CEPA-TOXIC AND CARCINOGENIC POLLUTANTS (TONNES) - (all data)**

CAS No.	Pollutant	Treatment				Disposal				1999 Total	2000 Total	Change (1999-2000)	% Change (1999-2000)	
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage	Underground Injection					Land Treatment
<b>29 - Primary Metal Industries</b>														
7789-75-5	Calcium fluoride	599,000	0.000	0.000	0.000	0.000	2,639,117	0.000	0.000	0.000	3,238,117	2,989,547	248,570	8.3
NA	Lead (and its compounds)	132,720	94,300	0.000	0.340	0.275	795,066	0.009	0.000	0.000	1,022,710	14,261,103	-13,238,390	-92.8
NA	Nickel (and its compounds)	316,240	0.000	0.000	0.000	0.752	164,397	0.008	0.000	0.000	481,397	309,559	171,838	55.5
1332-21-4	Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000	217,724	0.000	0.000	0.000	217,724	302,000	-84,276	-27.9
NA	Cadmium (and its compounds)	1,900	0.000	0.000	0.000	0.004	77,488	0.000	0.000	0.000	79,392	12,045,499	-11,966,100	-99.3
<b>Total all Pollutants in Sector</b>		<b>1,055,937</b>	<b>94,300</b>	<b>0.000</b>	<b>30.297</b>	<b>1.615</b>	<b>3,963,886</b>	<b>0.017</b>	<b>0.000</b>	<b>0.000</b>	<b>5,146,053</b>	<b>30,007,520</b>	<b>-24,861,460</b>	<b>-82.9</b>
<b>37 - Chemical and Chemical Products Industries</b>														
1332-21-4	Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000	431,890	0.000	0.000	0.000	431,890	305,803	126,087	41.2
7789-75-5	Calcium fluoride	0.000	0.000	0.000	0.000	0.000	224,630	0.000	0.000	0.000	224,630	80,290	144,340	179.8
50-00-0	Formaldehyde	0.000	0.136	0.205	61,534	120,246	6,832	0.299	0.000	0.000	189,252	76,594	112,658	147.1
NA	Arsenic (and its compounds)	0.000	79,200	0.000	0.000	0.000	0.469	0.000	0.000	0.000	79,669	63,421	16,248	25.6
75-09-2	Dichloromethane	9,694	2,968	0.000	46,007	12,250	1,200	0.000	0.036	0.000	72,155	99,405	-27,250	-27.4
<b>Total all Pollutants in Sector</b>		<b>10,047</b>	<b>84,971</b>	<b>0.445</b>	<b>205,011</b>	<b>178,597</b>	<b>725,089</b>	<b>0.566</b>	<b>0.067</b>	<b>0.000</b>	<b>1,204,793</b>	<b>780,700</b>	<b>424,093</b>	<b>54.3</b>
<b>49 - Other Utility Industries</b>														
1332-21-4	Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000	442,190	0.000	0.000	0.000	442,190	117,450	324,740	276.5
NA	Lead (and its compounds)	0.000	0.118	0.000	1,413	0.001	301,379	0.000	0.000	0.000	302,911	353,860	-50,949	-14.4
NA	Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000	131,047	0.000	0.000	0.000	131,047	113,108	17,939	15.9
NA	Arsenic (and its compounds)	0.000	0.000	0.000	0.000	0.000	61,960	0.000	0.000	0.000	61,960	86,947	-24,987	-28.7
50-00-0	Formaldehyde	0.000	0.000	0.000	40,816	0.000	0.000	0.000	0.000	0.000	40,816	58,323	-17,507	-30.0
<b>Total all Pollutants in Sector</b>		<b>0.010</b>	<b>0.472</b>	<b>0.009</b>	<b>88,685</b>	<b>0.001</b>	<b>961,681</b>	<b>0.042</b>	<b>0.000</b>	<b>0.123</b>	<b>1,051,023</b>	<b>922,334</b>	<b>128,689</b>	<b>14.0</b>

TABLE 4-8: CONTINUED

CAS No.	Pollutant	Treatment				Disposal				1999 Total	2000 Total	Change (1999-2000)	% Change (1999-2000)	
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage	Underground Injection					Land Treatment
<b>36 - Refined Petroleum and Coal Products Industries</b>														
1332-21-4	Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	343.312	381.828	-38.516	-10.1
7789-75-5	Calcium fluoride	0.000	293.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	293.400	323.200	-29.800	-9.2
NA	Nickel (and its compounds)	0.000	0.000	0.000	0.005	0.189	0.000	0.000	0.000	0.000	26.708	8.098	18.610	229.8
71-43-2	Benzene	0.000	0.000	0.003	0.772	0.000	0.462	0.000	0.000	15.500	16.737	6.275	10.462	166.7
NA	Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000	1.890	0.000	0.000	0.000	1.890	0.000	1.890	*
<b>Total all Pollutants in Sector</b>		<b>0.000</b>	<b>293.400</b>	<b>0.115</b>	<b>1.147</b>	<b>0.189</b>	<b>372.436</b>	<b>0.000</b>	<b>0.000</b>	<b>15.500</b>	<b>682.787</b>	<b>719.586</b>	<b>-36.799</b>	<b>-5.1</b>
<b>77 - Business Service Industries</b>														
NA	Nickel (and its compounds)	0.000	0.000	0.000	0.006	0.000	60.552	17.511	24.100	0.000	102.169	51.572	50.597	98.1
NA	Lead (and its compounds)	0.000	5.000	0.000	0.124	0.000	61.850	15.188	0.070	0.000	82.232	310.043	-227.811	-73.5
71-43-2	Benzene	0.000	0.000	0.000	37.146	0.000	14.369	19.396	0.000	0.000	70.911	101.364	-30.453	-30.0
75-09-2	Dichloromethane	0.000	0.000	0.000	60.000	0.000	0.000	0.000	0.000	0.000	60.000	70.199	-10.199	-14.5
50-00-0	Formaldehyde	0.000	0.000	0.000	27.000	0.000	0.000	0.000	0.000	0.000	27.000	47.000	-20.000	-42.6
<b>Total all Pollutants in Sector</b>		<b>0.000</b>	<b>5.000</b>	<b>0.000</b>	<b>142.696</b>	<b>0.000</b>	<b>182.484</b>	<b>54.781</b>	<b>24.170</b>	<b>0.000</b>	<b>409.131</b>	<b>774.842</b>	<b>-365.711</b>	<b>-47.2</b>
<b>99 - Other Service Industries</b>														
NA	Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000	68.280	0.000	0.000	0.000	68.280	68.500	-0.220	-0.3
71-43-2	Benzene	0.000	0.000	0.000	32.220	0.000	6.720	0.000	0.000	0.000	38.940	10.651	28.289	265.6
78-00-2	Tetraethyl lead	0.000	0.000	0.000	34.000	0.000	0.000	0.000	0.000	0.000	34.000	0.000	34.000	*
50-00-0	Formaldehyde	0.000	0.000	0.000	16.370	0.000	3.950	0.000	0.000	0.000	20.320	0.000	20.320	*
75-09-2	Dichloromethane	0.000	0.000	0.000	15.522	0.000	0.065	0.000	0.000	0.000	15.587	12.356	3.231	26.1
<b>Total all Pollutants in Sector</b>		<b>0.457</b>	<b>0.190</b>	<b>0.000</b>	<b>119.344</b>	<b>0.092</b>	<b>121.611</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>241.694</b>	<b>132.158</b>	<b>109.536</b>	<b>82.9</b>
<b>30 - Fabricated Metal Products Industries (except Machinery and Transportation Equipment Industries)</b>														
NA	Nickel (and its compounds)	0.319	65.413	0.000	0.000	2.031	78.875	0.000	0.000	0.000	146.638	79.786	66.852	83.8
NA	Lead (and its compounds)	0.000	14.275	0.000	0.000	0.890	9.296	0.000	0.000	0.000	24.461	20.231	4.230	20.9
7789-75-5	Calcium fluoride	18.661	0.000	0.000	0.000	0.000	0.176	0.000	0.000	0.000	18.837	16.410	2.427	14.8
79-01-6	Trichloroethylene	6.000	5.680	0.000	5.000	0.000	0.000	0.000	0.000	0.000	16.680	8.159	8.521	104.4
117-81-7	Bis(2-ethylhexyl) phthalate	1.346	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.346	1.186	0.160	13.5
<b>Total all Pollutants in Sector</b>		<b>26.356</b>	<b>85.368</b>	<b>0.000</b>	<b>5.000</b>	<b>2.926</b>	<b>89.108</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>208.758</b>	<b>126.003</b>	<b>82.755</b>	<b>65.7</b>

TABLE 4-8: CONTINUED

CAS No.	Pollutant	Treatment				Disposal				1999 Total	2000 Total	Change (1999-2000)	% Change (1999-2000)	
		Physical	Chemical	Biological	Incineration	MSTP	Landfill	Storage	Underground Injection					Land Treatment
<b>32 - Transportation Equipment Industries</b>														
NA	Nickel (and its compounds)	2.697	0.000	0.000	0.052	0.575	76.157	0.000	0.000	0.000	79.481	72.204	7.277	10.1
7681-49-4	Sodium fluoride	0.000	0.000	0.000	0.000	18.100	0.000	0.000	0.000	0.000	18.100	17.800	0.300	1.7
NA	Lead (and its compounds)	0.050	0.000	0.000	0.000	0.795	4.873	0.000	0.000	0.000	5.718	4.963	0.755	15.2
79-01-6	Trichloroethylene	0.000	0.000	0.000	3.536	0.000	0.000	0.000	0.000	0.000	3.536	6.929	-3.393	-49.0
117-81-7	Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	1.320	0.000	1.233	0.000	0.000	0.000	2.553	1.820	0.733	40.3
<b>Total all Pollutants in Sector</b>		<b>2.747</b>	<b>0.000</b>	<b>0.000</b>	<b>4.908</b>	<b>19.470</b>	<b>82.520</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>109.645</b>	<b>163.716</b>	<b>-54.071</b>	<b>-33.0</b>
<b>16 - Plastic Products Industries</b>														
NA	Lead (and its compounds)	0.000	33.200	0.000	0.000	0.020	3.400	2.760	0.000	0.000	39.380	39.200	0.180	0.5
75-09-2	Dichloromethane	0.960	1.400	0.000	34.700	0.000	0.000	0.000	0.000	0.000	37.060	6.400	30.660	479.1
117-81-7	Bis(2-ethylhexyl) phthalate	0.000	0.350	0.000	0.000	0.000	11.575	0.000	0.000	0.000	11.925	19.470	-7.545	-38.8
1717-00-6	HCFC-141b	0.000	0.000	0.000	0.369	0.000	8.900	0.000	0.000	0.000	9.269	7.600	1.669	22.0
106-99-0	1,3-Butadiene	0.000	0.000	0.000	6.078	0.000	0.000	0.000	0.000	0.000	6.078	7.687	-1.609	-20.9
<b>Total all Pollutants in Sector</b>		<b>1.170</b>	<b>34.950</b>	<b>0.207</b>	<b>41.147</b>	<b>0.020</b>	<b>28.829</b>	<b>2.760</b>	<b>0.000</b>	<b>0.000</b>	<b>109.083</b>	<b>82.872</b>	<b>26.211</b>	<b>31.6</b>
<b>55 - Motor Vehicle, Parts and Accessories Industries, Wholesale</b>														
NA	Nickel (and its compounds)	0.000	10.208	0.000	0.000	0.000	41.027	0.000	0.000	0.000	51.235	6.835	44.400	649.6
1332-21-4	Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000	43.000	0.000	0.000	0.000	43.000	0.000	43.000	*
75-09-2	Dichloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	*
NA	Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	*
<b>Total all Pollutants in Sector</b>		<b>0.000</b>	<b>10.208</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>84.027</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>94.235</b>	<b>6.835</b>	<b>87.400</b>	<b>*</b>
<b>Total Largest Off-site Transfers</b>		<b>1 095.538</b>	<b>644.185</b>	<b>1.796</b>	<b>444.061</b>	<b>166.239</b>	<b>6 797.910</b>	<b>105.663</b>	<b>31.716</b>	<b>15.754</b>	<b>9 302.863</b>	<b>33 642.170</b>	<b>-24 339.300</b>	<b>-72.3</b>
<b>National Total</b>		<b>1 102.676</b>	<b>647.396</b>	<b>2.363</b>	<b>658.097</b>	<b>213.022</b>	<b>7 047.717</b>	<b>108.658</b>	<b>31.747</b>	<b>15.877</b>	<b>9 827.552</b>	<b>34 548.338</b>	<b>-24 720.780</b>	<b>-71.6</b>
<b>% of National Total</b>		<b>99.4</b>	<b>99.5</b>	<b>76.0</b>	<b>67.5</b>	<b>78.0</b>	<b>96.5</b>	<b>97.2</b>	<b>99.9</b>	<b>99.2</b>	<b>94.7</b>	<b>97.4</b>	<b>-2.7</b>	<b>-2.8</b>

Notes: Because of rounding of release and transfer quantities, the totals may not equal the sum of the individual values.

A maximum of five pollutants is listed for each sector.

Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

Where quantities transferred in 2000 are shown as "0.000", at least one report was submitted to the NPRI but transfers were reported as "zero". Where total quantities transferred in 1999 are shown as "0.000", this indicates either transfers were reported as "zero" or no reports were submitted to the NPRI for that substance.

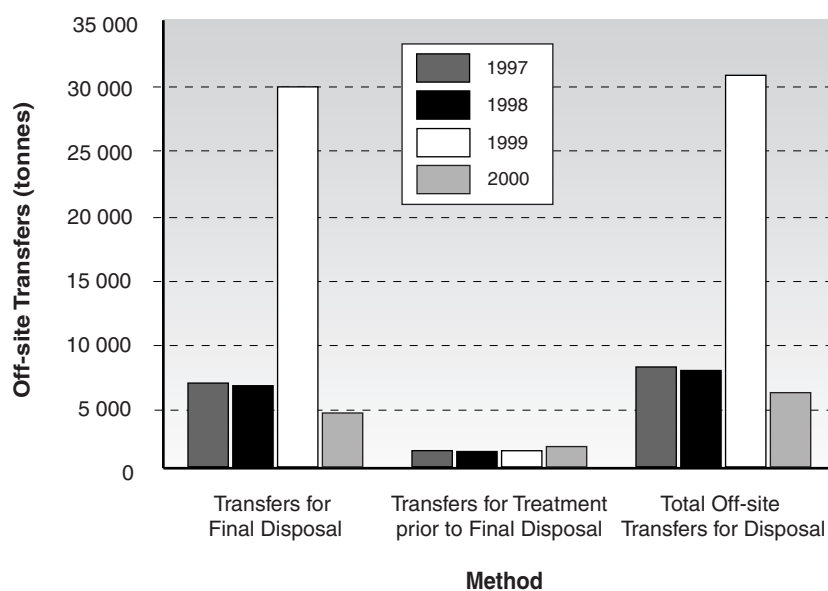
\* Percentages greater than 750 are not shown.

#### 4.4.3 Trends in Off-site Transfers for Disposal of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants (1997-2000)

For 2000 the matched data set represented:

- 74.7% of the 1 108 facilities reporting toxic pollutants;
- 38.7% of the 3 063 reports for these pollutants;
- 40.7% of 59 CEPA-toxic and carcinogenic pollutants for which a report was submitted to the NPRI; and
- 59.0% of the total off-site transfers for disposal of these pollutants (9 827.55 tonnes).

**Figure 4-11**  
Trends in Off-site Transfers for Disposal of NPRI-listed, CEPA-toxic and Carcinogenic Pollutants (1997-2000) - (matched data)



Trends show the 23 359-tonne increase in off-site transfers for final disposal observed from 1998 to 1999 now has been countered with a 25 478-tonne decrease in 2000, from 1999 values. This brings the 2000-year levels of 4 212 tonnes closer to the previous 5 000-tonne range observed in 1997 and 1998. The change was attributed to the closure of Philip Enterprises Inc.'s Philip Mill Services facility in Hamilton, ON.

#### 4.5 Off-site Transfers for Recycling and Energy Recovery of NPRI-listed, CEPA-toxic and Carcinogenic Substances in 2000

In 2000, facilities across Canada reported off-site transfers for recycling and energy recovery of toxic substances totalling 20 402.14 tonnes (Figure 4-12). Facilities categorized these transfers as:

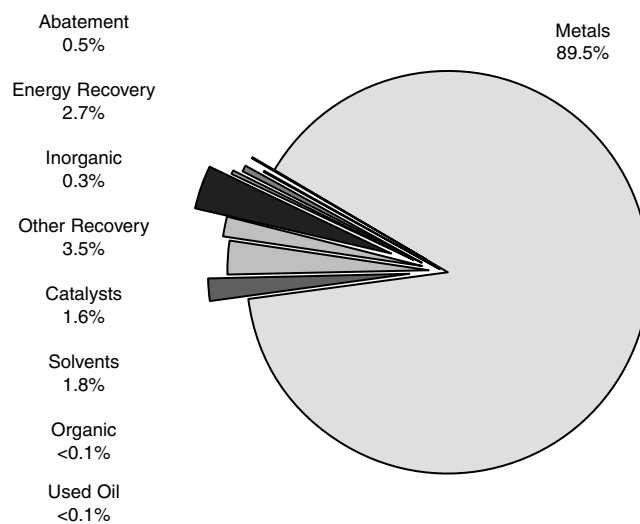
- Metals and metal compounds - 18 261.28 tonnes (89.5% of national total)
- Other recovery, reuse and recycling activities - 716.98 tonnes (3.5%)
- Energy recovery - 544.57 tonnes (2.7%)
- Solvents - 371.88 tonnes (1.8%)
- Catalysts - 324.94 tonnes (1.6%)



- Pollution-abatement residues - 103.22 tonnes (0.5%)
- Inorganic materials - 68.26 tonnes (0.3%)
- Organic substances - 9.74 tonnes (<0.1%)
- Used oil - 1.28 tonnes (<0.1%)

The category 'metals and metal compounds' accounted for 90% of off-site transfers for recycling and energy recovery (see Table 4-9).

**Figure 4-12**  
**Off-site Transfers for Recycling and Energy Recovery of NPRI-listed, CEPA-toxic and Carcinogenic Substances in 2000 - (all data)**



#### 4.5.1 10 NPRI-listed, CEPA-toxic and Carcinogenic Substances Transferred Off Site for Recycling and Energy Recovery in the Largest Quantities in 2000

Table 4-9 shows the toxic substances transferred off site for recycling and energy recovery in the largest quantities in 1999 and 2000.

The five toxic substances transferred in the largest quantities were:

- 1 - Lead (and its compounds) - 13 708.64 tonnes
- 2 - Nickel (and its compounds) - 4 803.95 tonnes
- 3 - Arsenic (and its compounds) - 485.55 tonnes
- 4 - Dichloromethane - 305.35 tonnes
- 5 - Tetrachloroethylene - 294.19 tonnes

By comparison, in 1999 the following substances were transferred off-site for recycling and energy recovery in the largest quantities:

- 1 - Lead (and its compounds) - 12 900.58 tonnes
- 2 - Nickel (and its compounds) - 4 333.17 tonnes
- 3 - Arsenic (and its compounds) - 708.51 tonnes
- 4 - Dichloromethane - 527.66 tonnes
- 5 - Calcium fluoride - 342.73 tonnes

As in 1999, lead and nickel, and their compounds, were the two substances transferred for recycling in the largest quantities in 2000. Arsenic (and its compounds) remained third and dichloromethane fourth. Tetrachloroethylene rose to fifth from a previous sixth place in 1999. Calcium fluoride dropped to 12<sup>th</sup> place in 2000 from fifth in 1999.

Notable changes included a decrease in the transfers of arsenic (and its compounds) of 31.5% (222.96 tonnes) from 1999 values, largely because Noranda Inc.'s Affinerie CCR facility (metallurgical smelting) in Montreal, QC, reported reduced transfers for recycling because of lowered production (about 200 tonnes).

A 42.1% decrease (222.31 tonnes) in transfers of dichloromethane was attributed to two Raylo Chemicals Inc. facilities in Edmonton, AB, that reported decreased transfers for recycling of about 200 tonnes in 2000 from 1999. Philip Services Inc. (Barrie, ON, and Delta, BC, facilities) accounted for another 80-tonne reduction in transfers for recycling dichloromethane in 2000. These reductions accounted for the major decrease in the aggregate totals from 1999 to 2000 (i.e., 222 tonnes).

Two major recyclers of calcium fluoride in 1999 (Aluminerie de Bécancour Inc. and Aluminerie Luralco Inc., both in Quebec) reported zero transfers for recycling in 2000, which accounted for the 65.3% decrease (223.70 tonnes) in transfers of calcium fluoride.

The 265.9% increase (99.43 tonnes) in transfer of *bis*(2-ethylhexyl) phthalate was solely the result of a 10-fold increase in production by Industries Rehau Incorporated's Baie D'Urfe facility in Quebec.

**TABLE 4-9:  
OFF-SITE TRANSFERS FOR RECYCLING AND ENERGY RECOVERY BY CATEGORY IN 2000 - 10 NPRI-LISTED, CEPA-TOXIC AND CARCINOGENIC SUBSTANCES TRANSFERRED IN THE  
LARGEST QUANTITIES (TONNES) - (all data)**

CAS No.	Substance	Energy Recovery	Pollution Abatement Residues										1999 Total	2000 Total	Change Change (1999-2000)
			Solvents	Organics	Metals	Inorganics	Acids or Bases	Catalysts	Used Oil	Other					
NA	Lead (and its compounds)	3.713	0.000	4.078	13 276.435	1.044	0.000	0.000	9.405	0.000	413.961	13 708.636	12 900.576	808.060	6.3
NA	Nickel (and its compounds)	0.000	0.000	0.000	4 321.324	8.034	0.000	324.935	7.904	0.000	141.757	4 803.954	4 333.172	470.782	10.9
NA	Arsenic (and its compounds)	0.000	0.000	0.000	412.299	55.061	0.000	0.000	1.949	0.000	16.240	485.549	708.507	- 222.958	-31.5
75-09-2	Dichloromethane	148.939	156.411	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	305.350	527.656	- 222.306	-42.1
127-18-4	Tetrachloroethylene	153.714	140.210	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.265	294.189	297.852	- 3.663	-1.2
NA	Cadmium (and its compounds)	0.000	0.000	0.000	186.306	4.012	0.000	0.000	0.000	0.000	0.000	190.318	200.424	- 10.106	-5.0
71-43-2	Benzene	173.719	0.030	1.521	0.000	0.000	0.000	0.001	0.000	0.012	2.960	178.243	156.057	22.186	14.2
117-81-7	Bis(2-ethylhexyl) phthalate	2.812	0.927	0.000	0.000	0.000	0.000	0.000	0.000	1.273	131.805	136.817	37.391	99.426	265.9
79-01-6	Trichloroethylene	57.077	74.264	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.100	132.441	154.700	- 22.259	-14.4
7789-75-5	Calcium fluoride	0.000	0.000	0.000	35.107	0.000	0.000	0.000	83.920	0.000	0.000	119.027	342.726	- 223.699	-65.3
<b>Total Largest Off-site Recycling</b>		<b>539.974</b>	<b>371.842</b>	<b>5.599</b>	<b>18 231.471</b>	<b>68.151</b>	<b>0.000</b>	<b>324.936</b>	<b>103.178</b>	<b>1.285</b>	<b>708.088</b>	<b>20 354.524</b>	<b>19 659.061</b>	<b>695.463</b>	<b>3.4</b>
<b>National Total</b>		<b>544.566</b>	<b>371.880</b>	<b>9.741</b>	<b>18 261.277</b>	<b>68.259</b>	<b>0.000</b>	<b>324.940</b>	<b>103.217</b>	<b>1.285</b>	<b>716.975</b>	<b>20 402.140</b>	<b>19 733.332</b>	<b>668.808</b>	<b>3.3</b>
<b>% of National Total</b>		<b>99.2</b>	<b>100.0</b>	<b>57.5</b>	<b>99.8</b>	<b>99.8</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>98.8</b>	<b>99.8</b>	<b>99.6</b>	<b>0.13</b>	<b>0.1</b>

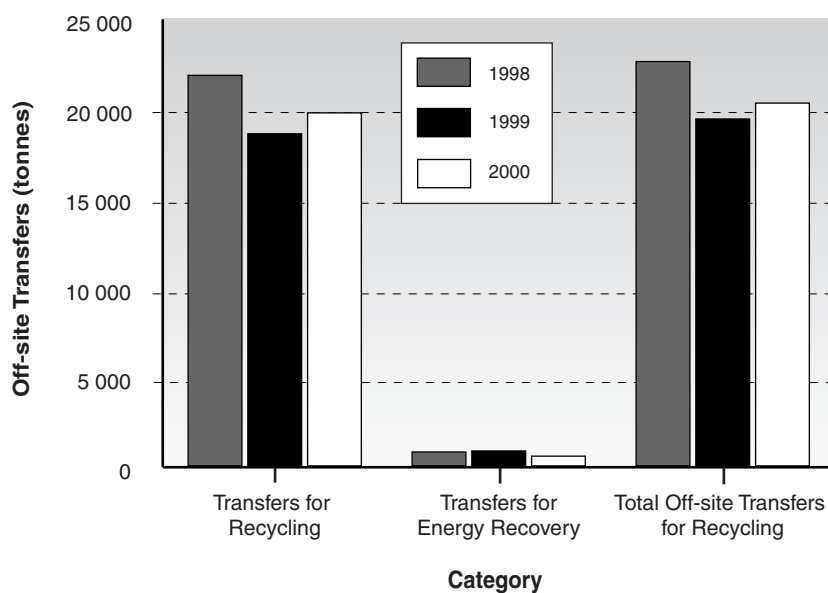
Notes: Because of rounding of release and transfer quantities, the totals may not equal the sum of the individual values. Some pollutants are reported in units of grams or kilograms. These have been converted to tonnes.

#### 4.5.2 Trends in Off-site Transfers for Recycling and Energy Recovery of NPRI-listed, CEPA-toxic and Carcinogenic Substances (1998-2000)

For 2000 the matched data set represented:

- 74.7% of the 1 108 facilities reporting toxic pollutants;
- 38.7% of the 3 063 reports for these pollutants;
- 40.7% of 59 CEPA-toxic and carcinogenic pollutants for which a report was submitted to the NPRI; and
- 99.2% of the total off-site transfers of these toxic substances for recycling and energy recovery (20 402.14 tonnes).

**Figure 4-13**  
Trends in Off-site Transfers for Recycling of NPRI-listed,  
CEPA-toxic and Carcinogenic Substances (1998-2000) - (matched data)



Matched data show that, in 2000, transfers for recycling and energy recovery of toxic substances, totalling 20 247.17 tonnes, increased only slightly by 4.6% from 1999 values:

- off-site transfers for recycling in 2000 showed a slight increase to 19 702.80 tonnes (or 6%) from 1999 values; and
- transfers for energy recovery in 2000 (544.33 tonnes) decreased by 34% from 1999.



## 5. What's Ahead

### 5.1 Consultation with Stakeholders

All modifications to the NPRI are developed through consultation with Canadian stakeholders, through regular, bi-annual meetings by means of a main work group and subgroups for designated areas of interest to the NPRI program. The formal process for modifying the NPRI stipulates that any party (person, government or organization) in Canada may submit a proposal to Environment Canada for modifying the NPRI and that the proposal should include:

- contact information, the type of modification requested, background on the substance, the rationale behind the request;
- the proposed timing for the change; and
- information on industry sectors that will be affected.

Environment Canada publishes, early each year, the list of all proposals received, along with an indication of how it intends to proceed with each proposal. Environment Canada sets priorities for consultation, based on input from stakeholders. The input from consultations is considered by Environment Canada when incorporating changes to the NPRI.

Full details on the process for proposing modifications to the NPRI and the ensuing consultation process are available on the NPRI Web site at <[www.ec.gc.ca/pdb/npri/npri\\_consult\\_e.cfm#changes](http://www.ec.gc.ca/pdb/npri/npri_consult_e.cfm#changes)>.

### 5.2 NPRI Modifications for 2001, 2002 and Future Years

For the 2001 reporting year:

- N,N-dimethylformamide (CAS No. 68-12-2) has been added to Part 1 of the NPRI substances list;
- the individual isomers of cresol (*m*-, *o*- and *p*-cresol) have been amalgamated under the “cresol (all isomers)” listing;
- the qualifier for vanadium has been modified to “(except when in an alloy) and its compounds” from “fume or dust”; and
- phosphoric acid (CAS No. 7664-38-2) has been de-listed.

Beginning in the 2002 reporting year, facilities will be required to report emissions of the seven criteria air contaminants (CACs), at varying thresholds which are based on the quantity released and not on the quantity manufactured, processed or otherwise used:

CRITERIA AIR CONTAMINANT	SUBSTANCE THRESHOLD
Carbon monoxide (CO)	20 tonnes
Nitrogen oxides (NO <sub>x</sub> )	20 tonnes
Total particulate matter (PM)	20 tonnes
Respirable particulate matter (PM <sub>10</sub> )	500 kilograms
Fine particulate matter (PM <sub>2.5</sub> )	300 kilograms
Sulphur dioxide (SO <sub>2</sub> )	20 tonnes
Volatile organic compounds (VOCs)	10 tonnes

Other changes for the 2002 reporting year include:

- the implementation of alternate reporting thresholds for substances currently listed at the original 10-tonne and 1% concentration reporting threshold, such as lead, tetraethyl lead, cadmium and arsenic; and
- the addition of hexavalent chromium compounds to the NPRI list, at an alternate threshold.

Proposed changes for the 2003 reporting year include:

- reporting of greenhouse gas emissions (GHGs), such as carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride; and
- more comprehensive reporting by facilities that produce oil and natural gas.

### 5.3 Pollution Prevention

To enable Environment Canada to better understand the types of pollution-prevention activities that are being applied to their operations by reporting facilities, beginning with the 2002 reporting year, the NPRI substance reporting form will include further breakdowns of each of the P2 categories. These breakdowns were added following consultations with stakeholders held in 2001.

Pollution prevention is the cornerstone of the CEPA 1999. Pollution prevention is identified throughout the Act as the first line of approach for the protection of the environment and human health. In addition, Part IV of the Act specifically provides the Minister with the authority to require the preparation and the implementation of pollution-prevention plans (P2 plans) for substances that have been declared toxic under the Act (CEPA-toxic substances). Other mechanisms, of course, remain available to the Minister for the management of CEPA-toxic substances, such as regulations, guidelines and Codes of Practice. The CEPA 1999 also contains other P2 planning provisions:

- Part VII authorizes the Minister to require P2 plans in some circumstances for Canadian sources of international air and international water pollution;
- Part IX, section 209(1)(b) authorizes the Governor-in-Council to make regulations respecting P2 planning by federal government operations; and
- Part X, section 291(1)(c) authorizes a judge to require anyone in violation of the CEPA 1999 to prepare and implement a P2 plan.

For 2002, the NPRI reporting form will feature a new question asking facilities to indicate whether pollution-prevention plans are required by a notice under the CEPA 1999 or, if not, whether the facilities are implementing environmental management plans that feature pollution-prevention measures. These new reporting requirements of the NPRI will provide a more fulsome picture of the pollution-prevention activities being undertaken at Canadian facilities.

## Bibliography

Canada, Parliament. *Canadian Environmental Protection Act, 1999*. Statutes of Canada 1999. Chapter 33. Act assent to 14 September 1999.

Canada, Environment Canada. *Guide for Reporting to the National Pollutant Release Inventory – 2000*. Ottawa: Minister of Public Works and Government Services Canada, 2000.

Canada, Environment Canada. *Supplementary Guide for Reporting to the National Pollutant Release Inventory – Alternate Thresholds – 2000*. Ottawa: Minister of Public Works and Government Services Canada, 2000.

Canada, Environment Canada. *National Pollutant Release Inventory – National Overview 1999*. Ottawa: Minister of Public Works and Government Services Canada, 2000.

*Canada Gazette*. “Notice with Respect to Substances in the National Pollutant Release Inventory for 2000”, Department of the Environment, Extract *Canada Gazette*, Part I, December 25, 1999.

*Canada Gazette*. “Notice with Respect to Substances in the National Pollutant Release Inventory for 2000 – Amendment”, Department of the Environment, Extract *Canada Gazette*, Part I, December 23, 2000.

## Substance Information – Web site References

### A. Environment Canada

- The Green Lane: [www.ec.gc.ca/envhome.html](http://www.ec.gc.ca/envhome.html)
- National Pollutant Release Inventory On-line Data Search: [www.npri-inrp.com/queryform.cfm](http://www.npri-inrp.com/queryform.cfm)
- CEPA Environmental Registry: [www.ec.gc.ca/CEPARegistry/](http://www.ec.gc.ca/CEPARegistry/)
- New and Existing Substances: [www.ec.gc.ca/substances/](http://www.ec.gc.ca/substances/)
- List of Toxic Substances (Schedule 1 of CEPA 1999): [www.ec.gc.ca/CEPARegistry/subs\\_list/Toxicupdate.cfm](http://www.ec.gc.ca/CEPARegistry/subs_list/Toxicupdate.cfm)

### B. Health Canada

- Existing Substances Division: [www.hc-sc.gc.ca/hecs-sesc/exsd/index.htm](http://www.hc-sc.gc.ca/hecs-sesc/exsd/index.htm)

### C. International Links for Substance Information

- Agency for Toxic Substances and Disease Registry ( ATSDR): [www.atsdr.cdc.gov/](http://www.atsdr.cdc.gov/)
- Chemfinder: <http://chemfinder.cambridgesoft.com/>
- Environmental Defense Scorecard: [www.scorecard.org/](http://www.scorecard.org/)
- International Agency for Research on the Cancer (IARC): [www.iarc.fr/](http://www.iarc.fr/)
- International Program on Chemical Safety INCHEM: [www.inchem.org/](http://www.inchem.org/)
- National Toxicology Program: <http://ntp-server.niehs.nih.gov/>
- Organization for Economic Co-operation and Development (OECD): [www.oecd.org/EN/home/](http://www.oecd.org/EN/home/)
- United Nations Environment Program (UNEP): [www.irptc.unep.ch/](http://www.irptc.unep.ch/)
- World Health Organization: [www.who.int/dsa/cat97/zehc2.html](http://www.who.int/dsa/cat97/zehc2.html)



## Additional References

*Health Canada*

Publishing Coordinator  
Environmental Health Centre  
Tunney's Pasture 0801B3  
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Tel.: (613) 957-3143

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Web site: [www.hc-sc.gc.ca/ehd/catalogue/index.htm](http://www.hc-sc.gc.ca/ehd/catalogue/index.htm)

*Canadian Centre for Occupational Health and Safety*

Chemical Evaluation Search and Retrieval System (CESARS)  
250 Main Street East  
Hamilton, ON  
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Tel.: (905) 570-8094

Fax: (905) 572-2206

Web site: [www.ccohs.ca/products/databases/cesars.html](http://www.ccohs.ca/products/databases/cesars.html)

*Commission For Environmental Cooperation (CEC)*

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Fax: (404) 639-6315

Web site: [www.atsdr.cdc.gov/](http://www.atsdr.cdc.gov/)

*National Library of Medicine (TOXNET)*

8600 Rockville Park-Bldg. 38A  
Bethesda, MD 20894  
U.S.A.

Tel.: (301) 496-6531

Fax: (301) 480-3537

Web site: [www.nlm.nih.gov/hinfo.html](http://www.nlm.nih.gov/hinfo.html)

## Appendix A — List of NPRI Substances for 2000

(Substances used in 'matched data' trend analysis appear in bold.)

## Part 1 Substances

NAME	CAS NO. <sup>1</sup>	NAME	CAS NO. <sup>1</sup>
Acetaldehyde	75-07-0	Calcium cyanamide	156-62-7
Acetonitrile	75-05-8	Calcium fluoride	7789-75-5
Acetophenone	98-86-2	Carbon disulphide	75-15-0
Acrolein <sup>2</sup>	107-02-08	Carbon tetrachloride	56-23-5
Acrylamide	79-06-1	Catechol	120-80-9
Acrylic acid <sup>3</sup>	79-10-7	CFC-11	75-69-4
Acrylonitrile	107-13-1	CFC-12	75-71-8
Alkanes, C <sub>6-18</sub> , chloro	68920-70-7	CFC-13	75-72-9
Alkanes, C <sub>10-13</sub> , chloro	85535-84-8	CFC-114	76-14-2
Allyl alcohol	107-18-6	CFC-115	76-15-3
Allyl chloride	107-05-1	Chlorendic acid	115-28-6
Aluminum <sup>4</sup>	7429-90-5	Chlorine	7782-50-5
Aluminum oxide <sup>5</sup>	1344-28-1	Chlorine dioxide	10049-04-4
Ammonia (total) <sup>6</sup>	*	Chloroacetic acid <sup>3</sup>	79-11-8
Aniline <sup>3</sup>	62-53-3	Chlorobenzene	108-90-7
Anthracene	120-12-7	Chloroethane	75-00-3
Antimony <sup>7</sup>	*	Chloroform	67-66-3
Arsenic <sup>7</sup>	*	Chloromethane	74-87-3
Asbestos <sup>8</sup>	1332-21-4	3-Chloro-2-methyl-1-propene	563-47-3
Benzene	71-43-2	3-Chloropropionitrile	542-76-7
Benzoyl chloride	98-88-4	Chromium <sup>7</sup>	*
Benzoyl peroxide	94-36-0	Cobalt <sup>7</sup>	*
Benzyl chloride	100-44-7	Copper <sup>7</sup>	*
Biphenyl	92-52-4	Cresol <sup>3,9</sup>	1319-77-3
<i>Bis</i> (2-ethylhexyl) adipate	103-23-1	<i>m</i> -Cresol <sup>3</sup>	108-39-4
<i>Bis</i> (2-ethylhexyl) phthalate	117-81-7	<i>o</i> -Cresol <sup>3</sup>	95-48-7
Boron trifluoride	7637-07-2	<i>p</i> -Cresol <sup>3</sup>	106-44-5
Bromine	7726-95-6	Crotonaldehyde	4170-30-3
1-Bromo-2-chloroethane	107-04-0	Cumene	98-82-8
Bromomethane	74-83-9	Cumene hydroperoxide	80-15-9
1,3-Butadiene	106-99-0	Cyanides <sup>10</sup>	*
2-Butoxyethanol	111-76-2	Cyclohexane	110-82-7
Butyl acrylate	141-32-2	Cyclohexanol	108-93-0
<i>i</i> -Butyl alcohol	78-83-1	Decabromodiphenyl oxide	1163-19-5
<i>n</i> -Butyl alcohol	71-36-3	2,4-Diaminotoluene <sup>3</sup>	95-80-7
<i>sec</i> -Butyl alcohol	78-92-2	2,6-Di- <i>t</i> -butyl-4-methylphenol	128-37-0
<i>tert</i> -Butyl alcohol	75-65-0	Dibutyl phthalate	84-74-2
Butyl benzyl phthalate	85-68-7	<i>o</i> -Dichlorobenzene	95-50-1
1,2-Butylene oxide	106-88-7	<i>p</i> -Dichlorobenzene	106-46-7
Butyraldehyde	123-72-8	3,3'-Dichlorobenzidine dihydrochloride	612-83-9
C.I. Acid Green 3	4680-78-8	1,2-Dichloroethane	107-06-2
C.I. Basic Green 4	569-64-2	Dichloromethane	75-09-2
C.I. Basic Red 1	989-38-8	2,4-Dichlorophenol <sup>3</sup>	120-83-2
C.I. Direct Blue 218	28407-37-6	1,2-Dichloropropane	78-87-5
C.I. Disperse Yellow 3	2832-40-8	Dicyclopentadiene	77-73-6
C.I. Food Red 15	81-88-9	Diethanolamine <sup>3</sup>	111-42-2
C.I. Solvent Orange 7	3118-97-6	Diethyl phthalate	84-66-2
C.I. Solvent Yellow 14	842-07-9	Diethyl sulphate	64-67-5
Cadmium <sup>7</sup>	*	Dimethylamine	124-40-3

NAME	CAS NO. <sup>1</sup>	NAME	CAS NO. <sup>1</sup>
N,N-Dimethylaniline <sup>3</sup>	121-69-7	2-Mercaptobenzothiazole	149-30-4
Dimethyl phenol	1300-71-6	Methanol	67-56-1
Dimethyl phthalate	131-11-3	2-Methoxyethanol	109-86-4
Dimethyl sulphate	77-78-1	2-Methoxyethyl acetate	110-49-6
4,6-Dinitro- <i>o</i> -cresol <sup>3</sup>	534-52-1	Methyl acrylate	96-33-3
2,4-Dinitrotoluene	121-14-2	Methyl <i>tert</i> -butyl ether	1634-04-4
2,6-Dinitrotoluene	606-20-2	<i>p,p'</i> -Methylenebis(2-chloroaniline)	101-14-4
Dinitrotoluene <sup>9</sup>	25321-14-6	1,1-Methylenebis(4-isocyanatocyclohexane)	5124-30-1
Di- <i>n</i> -octyl phthalate	117-84-0	Methylenebis(phenylisocyanate)	101-68-8
1,4-Dioxane	123-91-1	<i>p,p'</i> -Methylenedianiline	101-77-9
Diphenylamine	122-39-4	Methyl ethyl ketone	78-93-3
Epichlorohydrin	106-89-8	Methyl iodide	74-88-4
2-Ethoxyethanol	110-80-5	Methyl isobutyl ketone	108-10-1
2-Ethoxyethyl acetate	111-15-9	Methyl methacrylate	80-62-6
Ethoxynonyl benzene	28679-13-2	N-Methylolacrylamide	924-42-5
Ethyl acrylate	140-88-5	2-Methylpyridine	109-06-8
Ethylbenzene	100-41-4	N-Methyl-2-pyrrolidone	872-50-4
Ethyl chloroformate	541-41-3	Michler's ketone <sup>3</sup>	90-94-8
Ethylene	74-85-1	Molybdenum trioxide	1313-27-5
Ethylene glycol	107-21-1	Naphthalene	91-20-3
Ethylene oxide	75-21-8	Nickel <sup>7</sup>	*
Ethylene thiourea	96-45-7	Nitrate ion <sup>14</sup>	*
Fluorine	7782-41-4	Nitric acid	7697-37-2
Formaldehyde	50-00-0	Nitritotriacetic acid <sup>3</sup>	139-13-9
Formic acid	64-18-6	<i>p</i> -Nitroaniline	100-01-6
Halon 1211	353-59-3	Nitrobenzene	98-95-3
Halon 1301	75-63-8	Nitroglycerin	55-63-0
HCFC-22	75-45-6	<i>p</i> -Nitrophenol <sup>3</sup>	100-02-7
HCFC-122 and all isomers <sup>11</sup>	41834-16-6	2-Nitropropane	79-46-9
HCFC-123 and all isomers <sup>12</sup>	34077-87-7	N-Nitrosodiphenylamine	86-30-6
HCFC 124 and all isomers <sup>13</sup>	63938-10-3	Nonylphenol	104-40-5
HCFC-141b	1717-00-6	Nonylphenol hepta(oxyethylene) ethanol	27177-05-5
HCFC-142b	75-68-3	Nonylphenol, industrial	84852-15-3
Hexachlorocyclopentadiene	77-47-4	Nonylphenol nona(oxyethylene) ethanol	27177-08-8
Hexachloroethane	67-72-1	<i>n</i> -Nonylphenol <sup>9</sup>	25154-52-3
Hexachlorophene	70-30-4	Nonylphenol polyethylene glycol ether	9016-45-9
<i>n</i> -Hexane	110-54-3	<i>p</i> -Nonylphenol polyethylene glycol ether	26027-38-3
Hydrazine <sup>3</sup>	302-01-2	Nonylphenoxy ethanol	27986-36-3
Hydrochloric acid	7647-01-0	2-( <i>p</i> -Nonylphenoxy) ethanol	104-35-8
Hydrogen cyanide	74-90-8	2-(2-( <i>p</i> -Nonylphenoxy)ethoxy)ethanol	20427-84-3
Hydrogen fluoride	7664-39-3	2-(2-(2-( <i>p</i> -Nonylphenoxy)-ethoxy)ethoxy)ethoxy) ethanol	7311-27-5
Hydrogen sulphide	7783-06-4	4- <i>tert</i> -Octylphenol <sup>2</sup>	140-66-9
Hydroquinone <sup>3</sup>	123-31-9	Oxirane, methyl-, polymer with oxirane, mono(nonylphenyl)ether <sup>2</sup>	37251-69-7
Iron pentacarbonyl	13463-40-6	Paraldehyde	123-63-7
Isobutyraldehyde	78-84-2	Pentachloroethane	76-01-7
Isophorone diisocyanate	4098-71-9	Peracetic acid <sup>3</sup>	79-21-0
Isoprene	78-79-5	Phenol <sup>3</sup>	108-95-2
Isopropyl alcohol	67-63-0	<i>p</i> -Phenylenediamine <sup>3</sup>	106-50-3
<i>p,p'</i> -Isopropylidenediphenol	80-05-7	<i>o</i> -Phenylphenol <sup>3</sup>	90-43-7
Isosafrole	120-58-1	Phosgene	75-44-5
Lead <sup>7</sup>	*	Phosphoric acid	7664-38-2
Lithium carbonate	554-13-2	Phosphorus <sup>15</sup>	7723-14-0
Maleic anhydride	108-31-6		
Manganese <sup>7</sup>	*		

NAME	CAS NO. <sup>1</sup>	NAME	CAS NO. <sup>1</sup>
Phthalic anhydride	85-44-9	Tetracycline hydrochloride	64-75-5
Polymeric diphenylmethane diisocyanate <sup>2</sup>	9016-87-9	Tetraethyl lead	78-00-2
Potassium bromate	7758-01-2	Thiourea	62-56-6
Propargyl alcohol	107-19-7	Thorium dioxide	1314-20-1
Propionaldehyde	123-38-6	Titanium tetrachloride	7550-45-0
Propylene	115-07-1	Toluene	108-88-3
Propylene oxide	75-56-9	Toluene-2,4-diisocyanate	584-84-9
Pyridine <sup>3</sup>	110-86-1	Toluene-2,6-diisocyanate	91-08-7
Quinoline <sup>3</sup>	91-22-5	Toluenediisocyanate <sup>9</sup>	26471-62-5
<i>p</i> -Quinone	106-51-4	1,2,4-Trichlorobenzene	120-82-1
Safrole	94-59-7	1,1,2-Trichloroethane	79-00-5
Selenium <sup>7</sup>	*	Trichloroethylene	79-01-6
Silver <sup>7</sup>	*	Triethylamine	121-44-8
Sodium fluoride	7681-49-4	1,2,4-Trimethylbenzene	95-63-6
Sodium nitrite	7632-00-0	2,2,4-Trimethylhexamethylene diisocyanate	16938-22-0
Styrene	100-42-5	2,4,4-Trimethylhexamethylene diisocyanate	15646-96-5
Styrene oxide	96-09-3	Vanadium <sup>4</sup>	7440-62-2
Sulphur hexafluoride	2551-62-4	Vinyl acetate	108-05-4
Sulphuric acid	7664-93-9	Vinyl chloride	75-01-4
1,1,1,2-Tetrachloroethane	630-20-6	Vinylidene chloride	75-35-4
1,1,2,2-Tetrachloroethane	79-34-5	Xylene <sup>9,16</sup>	1330-20-7
Tetrachloroethylene	127-18-4	Zinc <sup>7</sup>	*

## Part 2 Substances

NAME	CAS NO. <sup>1</sup>
Mercury <sup>7,17</sup>	*

## Part 3 Substances

NAME	CAS NO. <sup>1</sup>	NAME	CAS NO. <sup>1</sup>
Benzo(a)anthracene <sup>2</sup>	56-55-3	Dibenzo(a)anthracene <sup>2</sup>	53-70-3
Benzo(a)phenanthrene <sup>2</sup>	218-01-9	Dibenzo(a,i)pyrene <sup>2</sup>	189-55-9
Benzo(a)pyrene <sup>2</sup>	50-32-8	7H-Dibenzo(c,g)carbazole <sup>2</sup>	194-59-2
Benzo(b)fluoranthene <sup>2</sup>	205-99-2	Fluoranthene <sup>2</sup>	206-44-0
Benzo(e)pyrene <sup>2</sup>	192-97-2	Indeno(1,2,3-c,d)pyrene <sup>2</sup>	193-39-5
Benzo(g,h,i)perylene <sup>2</sup>	191-24-2	Perylene <sup>2</sup>	198-55-0
Benzo(j)fluoranthene <sup>2</sup>	205-82-3	Phenanthrene <sup>2</sup>	85-01-8
Benzo(k)fluoranthene <sup>2</sup>	207-08-9	Pyrene <sup>2</sup>	129-00-0
Dibenz(a,j)acridine <sup>2</sup>	224-42-0	PAHs, total Schedule 1, Part 3	*

## Part 4 Substances

NAME	CAS NO. <sup>1</sup>	NAME	CAS NO. <sup>1</sup>
Hexachlorobenzene <sup>2</sup>	118-74-1	Polychlorinated dibenzo- <i>p</i> -dioxins and Polychlorinated dibenzofurans <sup>2,18</sup>	*

\* No single CAS number applies to this NPRI listing.

1 CAS No. denotes the Chemical Abstracts Service Registry Number, as appropriate.

2 new substance for 2000 reporting year

3 "and its salts" – The CAS number corresponds to the weak acid or base. However, the NPRI listing includes the salts of these weak acids and bases. When calculating the weight of these substances and their salts, use the molecular weight of the acid or base, not the total weight of the salt.

4 "fume or dust"

5 "fibrous forms"

6 "Ammonia (total)" means the total of both of ammonia (NH<sub>3</sub> – CAS No. 7664-41-7) and the ammonium ion (NH<sub>4</sub><sup>+</sup>) in solution.

7 "and its compounds"

8 "friable form"

9 "mixed isomers"

10 "ionic"

11 The isomers include, but are not necessarily limited to, HCFC-122 (CAS No. 354-21-2).

12 The isomers include, but are not necessarily limited to, HCFC-123 (CAS No. 306-83-2) and HCFC 123a (CAS No. 90454-18-5).

13 The isomers include, but are not necessarily limited to, HCFC 124 (CAS No. 2837-89-0), and HCFC 124a (CAS No. 354-25-6).

14 "in solution at a pH of 6.0 or greater"

15 "yellow or white"

16 This listing includes the individual isomers of xylene: *m*-xylene (CAS No. 108-38-3), *o*-xylene (CAS No. 95-47-6) and *p*-xylene (CAS No. 106-42-3).

17 The reporting requirements for mercury have changed for the 2000 reporting year.

18 This class of substances is restricted to the following congeners:

2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (1746-01-6);

1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin (40321-76-4);

1,2,3,4,7,8-Hexachlorodibenzo-*p*-dioxin (39227-28-6);

1,2,3,7,8,9-Hexachlorodibenzo-*p*-dioxin (19408-74-3);

1,2,3,6,7,8-Hexachlorodibenzo-*p*-dioxin (57653-85-7);

1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin (35822-46-9);

Octachlorodibenzo-*p*-dioxin (3268-87-9);

2,3,7,8-Tetrachlorodibenzofuran (51207-31-9);

2,3,4,7,8-Pentachlorodibenzofuran (57117-31-4);

1,2,3,7,8-Pentachlorodibenzofuran (57117-41-6);

1,2,3,4,7,8-Hexachlorodibenzofuran (70648-26-9);

1,2,3,7,8,9-Hexachlorodibenzofuran (72918-21-9);

1,2,3,6,7,8-Hexachlorodibenzofuran (57117-44-9);

2,3,4,6,7,8-Hexachlorodibenzofuran (60851-34-5);

1,2,3,4,6,7,8-Heptachlorodibenzofuran (67562-39-4);

1,2,3,4,7,8,9-Heptachlorodibenzofuran (55673-89-7); and

Octachlorodibenzofuran (39001-02-0).

## Appendix B—On-site Releases of the 197 NPRI Pollutants Reported for 2000, by Environmental Medium - (all data)

CAS No.	Pollutant	Units	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	Change		% Change (1999-2000)
										(1999-2000)	(2000-2000)	
75-07-0	Acetaldehyde	tonnes	928.440	23.526	0.033	0.000	0.000	952.092	867.688	84.404	9.7	
75-05-8	Acetonitrile	tonnes	6.389	0.000	0.000	0.000	0.000	6.389	8.300	-1.911	-23.0	
98-86-2	Acetophenone	tonnes	2.485	0.000	0.000	0.000	0.000	3.115	2.971	0.144	4.8	
107-02-8	Acrolein*	tonnes	96.019	0.000	0.000	0.000	0.000	96.019	-	96.019	-	
79-06-1	Acrylamide	tonnes	0.125	0.000	0.000	0.000	0.000	0.225	0.483	-0.258	-53.4	
79-10-7	Acrylic acid (and its salts)	tonnes	0.383	0.000	0.000	0.000	0.000	0.591	0.629	-0.038	-6.0	
107-13-1	Acrylonitrile	tonnes	5.998	0.000	0.000	0.000	0.000	7.160	8.460	-1.300	-15.4	
68920-70-7	Alkanes, C <sub>6-18</sub> , chloro	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
7429-90-5	Aluminum (fume or dust)	tonnes	45.648	1.807	550.760	0.002	0.000	600.065	1 052.720	-452.655	-43.0	
1344-28-1	Aluminum oxide (fibrous forms)	tonnes	0.000	0.000	0.000	0.001	0.000	0.101	609.150	-609.049	-100.0	
NA	Ammonia (total)	tonnes	17 343.737	23 524.468	341.047	3.851	7 738.904	48 957.921	37 217.505	11 740.416	31.5	
62-53-3	Aniline (and its salts)	tonnes	0.440	0.000	0.000	0.000	0.000	0.440	0.376	0.064	17.0	
120-12-7	Anthracene	tonnes	4.828	0.000	0.024	0.000	0.000	4.955	1.587	3.368	212.2	
NA	Antimony (and its compounds)	tonnes	5.808	2.284	0.000	0.000	0.000	8.570	13.091	-4.521	-34.5	
NA	Arsenic (and its compounds)	tonnes	164.796	3.680	100.538	28.504	0.000	297.625	1 370.859	-1 073.234	-78.3	
1332-21-4	Asbestos (friable form)	tonnes	0.000	0.000	3 144.089	2.410	0.000	3 147.021	1 725.708	1 421.313	82.4	
71-43-2	Benzene	tonnes	1 132.689	0.703	0.115	0.213	113.389	1 251.489	1 434.570	-183.081	-12.8	
56-55-3	Benzo(a)anthracene*	kg	29 047.792	7.298	258.696	0.174	0.000	29 313.960	-	29 313.960	-	
218-01-9	Benzo(a)phenanthrene*	kg	5 310.181	2.068	250.552	0.110	0.000	5 562.911	-	5 562.911	-	
50-32-8	Benzo(a)pyrene*	kg	22 023.818	20.661	367.094	0.075	0.000	22 411.648	-	22 411.648	-	
205-99-2	Benzo(b)fluoranthene*	kg	45 537.671	3.561	131.170	0.065	0.000	45 672.467	-	45 672.467	-	
192-97-2	Benzo(e)pyrene*	kg	31 399.260	0.926	19.983	0.093	0.000	31 420.262	-	31 420.262	-	
191-24-2	Benzo(g,h,i)perylene*	kg	10 459.212	7.054	57.352	0.128	0.000	10 523.746	-	10 523.746	-	
205-82-3	Benzo(j)fluoranthene*	kg	8 841.852	0.515	111.424	0.065	0.000	8 953.856	-	8 953.856	-	
207-08-9	Benzo(k)fluoranthene*	kg	17 326.970	2.857	114.428	0.129	0.000	17 444.384	-	17 444.384	-	
94-36-0	Benzoyl peroxide	tonnes	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.0	
100-44-7	Benzyl chloride	tonnes	0.005	0.000	0.000	0.000	0.000	0.005	0.105	-0.100	-95.2	
92-52-4	Biphenyl	tonnes	11.553	0.000	0.022	0.001	0.000	11.576	10.529	1.047	9.9	
103-23-1	Bis(2-ethylhexyl) adipate	tonnes	0.001	0.000	0.000	0.000	0.000	0.452	15.454	-15.002	-97.1	
117-81-7	Bis(2-ethylhexyl) phthalate	tonnes	18.218	0.000	0.000	0.018	0.000	18.258	10.285	7.973	77.5	
7726-95-6	Bromine	tonnes	0.017	0.000	0.000	0.000	0.000	0.117	0.105	0.012	11.4	

## ON-SITE RELEASES OF THE 197 NPRI POLLUTANTS REPORTED FOR 2000, BY ENVIRONMENTAL MEDIUM - CONTINUED

CAS No.	Pollutant	Units	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
106-99-0	1,3-Butadiene	tonnes	119.648	0.000	0.000	0.000	0.000	119.834	96.089	23.745	24.7
111-76-2	2-Butoxyethanol	tonnes	1 328.231	0.200	0.000	0.000	0.000	1 330.849	1 402.257	- 71.408	-5.1
141-32-2	Butyl acrylate	tonnes	0.028	0.000	0.000	0.000	0.000	0.641	0.453	0.188	41.5
78-83-1	<i>i</i> -Butyl alcohol	tonnes	191.718	0.000	0.000	0.000	0.000	193.786	126.487	67.299	53.2
71-36-3	<i>n</i> -Butyl alcohol	tonnes	1 209.130	0.000	0.000	0.000	0.000	1 210.816	1 214.874	- 4.058	-0.3
78-92-2	<i>sec</i> -Butyl alcohol	tonnes	0.000	0.000	0.000	0.000	0.000	0.107	0.106	0.001	0.9
75-65-0	<i>tert</i> -Butyl alcohol	tonnes	12.624	0.000	0.000	0.002	48.000	60.726	325.843	- 265.117	-81.4
85-68-7	Butyl benzyl phthalate	tonnes	13.065	0.000	0.000	0.000	0.000	13.167	10.844	2.323	21.4
106-88-7	1,2-Butylene oxide	tonnes	0.204	0.000	0.000	0.000	0.000	0.204	0.000	0.204	-
123-72-8	Butyraldehyde	tonnes	0.031	0.000	0.000	0.000	0.000	0.031	0.028	0.003	10.7
NA	Cadmium (and its compounds)	tonnes	34.121	0.906	129.505	0.000	0.000	164.755	179.848	- 15.093	-8.4
7789-75-5	Calcium fluoride	tonnes	15.214	0.130	11 621.966	93.810	0.240	11 732.790	13 056.166	- 1 323.376	-10.1
75-15-0	Carbon disulphide	tonnes	3 163.974	0.000	0.000	0.000	0.000	3 163.974	2 875.256	288.718	10.0
56-23-5	Carbon tetrachloride	tonnes	0.307	0.000	0.000	0.000	0.000	0.307	0.494	- 0.187	-37.9
120-80-9	Catechol	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
75-71-8	CFC-12	tonnes	2.102	0.000	0.000	0.000	0.000	2.102	3.555	- 1.453	-40.9
76-14-2	CFC-114	tonnes	0.136	0.408	0.000	0.000	0.000	0.544	0.136	0.408	300.0
7782-50-5	Chlorine	tonnes	821.188	56.457	0.000	20.157	15.283	914.419	744.651	169.768	22.8
10049-04-4	Chlorine dioxide	tonnes	726.737	0.000	0.000	0.000	0.000	726.737	952.124	- 225.387	-23.7
79-11-8	Chloroacetic acid (and its salts)	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
108-90-7	Chlorobenzene	tonnes	0.729	0.000	0.000	0.000	0.000	0.729	0.152	0.577	379.6
75-00-3	Chloroethane	tonnes	242.114	0.000	0.000	0.000	0.000	242.114	221.057	21.057	9.5
67-66-3	Chloroform	tonnes	17.686	0.367	0.000	0.000	0.000	18.053	100.045	- 81.992	-82.0
74-87-3	Chloromethane	tonnes	425.021	0.254	0.000	0.000	0.000	425.275	371.058	54.217	14.6
NA	Chromium (and its compounds)	tonnes	55.393	30.096	331.174	69.331	2.808	494.752	1 391.831	- 897.079	-64.5
NA	Cobalt (and its compounds)	tonnes	15.490	1.105	78.140	0.000	0.115	95.250	68.506	26.744	39.0
NA	Copper (and its compounds)	tonnes	644.026	101.342	386.688	23.376	0.002	1 160.671	1 265.260	- 104.589	-8.3
1319-77-3	Cresol (mixed isomers and their salts)	tonnes	141.142	1.379	0.004	0.000	0.000	142.525	85.635	56.890	66.4
108-39-4	<i>m</i> -Cresol (and its salts)	tonnes	1.856	0.000	0.000	0.000	0.000	1.856	2.074	- 0.218	-10.5
95-48-7	<i>o</i> -Cresol (and its salts)	tonnes	0.000	0.000	0.000	0.000	0.000	0.002	0.008	- 0.006	-75.0
106-44-5	<i>p</i> -Cresol (and its salts)	tonnes	0.960	0.000	0.000	0.000	0.000	0.960	1.250	- 0.290	-23.2
98-82-8	Cumene	tonnes	15.157	0.038	0.002	0.001	0.000	15.509	20.825	- 5.316	-25.5
80-15-9	Cumene hydroperoxide	tonnes	0.000	0.000	0.000	0.000	0.000	0.020	0.017	0.003	17.6

## ON-SITE RELEASES OF THE 197 NPRI POLLUTANTS REPORTED FOR 2000, BY ENVIRONMENTAL MEDIUM - CONTINUED

CAS No.	Pollutant	Units	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	% Change	
										(1999-2000)	(2000-2000)
NA	Cyanides (ionic)	tonnes	0.968	1.254	0.000	0.000	0.000	3.221	5.120	-1.899	-37.1
110-82-7	Cyclohexane	tonnes	1 493.621	1.079	0.108	0.273	1.014	1 501.084	1 467.484	33.600	2.3
108-93-0	Cyclohexanol	tonnes	0.074	0.000	0.000	0.000	0.000	0.074	0.882	-0.808	-91.6
1163-19-5	Decabromodiphenyl oxide	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.055	-0.055	-100.0
128-37-0	2,6-Di- <i>t</i> -butyl-4-methylphenol	tonnes	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.0
84-74-2	Dibutyl phthalate	tonnes	1.291	0.000	0.000	0.000	0.000	1.486	1.509	-0.023	-1.5
224-42-0	Dibenz(a,j)acridine*	kg	50.062	0.895	20.000	0.000	0.000	70.957	-	70.957	-
53-70-3	Dibenzo(a,h)anthracene*	kg	5 393.452	9.013	12.420	0.000	0.000	5 414.885	-	5 414.885	-
189-55-9	Dibenzo(a,i)pyrene*	kg	3 193.193	1.624	1.900	0.008	0.000	3 196.725	-	3 196.725	-
194-59-2	7H-Dibenzo(c,g)carbazole*	kg	40.923	0.895	28.000	0.000	0.000	69.818	-	69.818	-
95-50-1	<i>o</i> -Dichlorobenzene	tonnes	2.637	0.000	0.000	0.000	0.000	2.637	2.505	0.132	5.3
106-46-7	<i>p</i> -Dichlorobenzene	tonnes	12.700	0.000	0.000	0.000	0.000	12.800	10.645	2.155	20.2
612-83-9	3,3'-Dichlorobenzidine dihydrochloride	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
107-06-2	1,2-Dichloroethane	tonnes	19.647	0.070	0.118	0.000	0.093	19.928	27.300	-7.372	-27.0
75-09-2	Dichloromethane	tonnes	2 218.786	0.000	0.000	0.025	0.000	2 219.846	2 401.495	-181.649	-7.6
120-83-2	2,4-Dichlorophenol (and its salts)	tonnes	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.001	-
77-73-6	Dicyclopentadiene	tonnes	7.225	0.000	0.000	0.000	0.060	8.355	3.354	5.001	149.1
111-42-2	Diethanolamine (and its salts)	tonnes	34.472	2.986	0.101	15.736	668.452	721.820	646.972	74.848	11.6
84-66-2	Diethyl phthalate	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
124-40-3	Dimethylamine	tonnes	0.128	0.116	0.000	0.000	0.000	0.244	0.101	0.143	141.6
1300-71-6	Dimethyl phenol	tonnes	0.021	0.000	0.000	0.000	0.000	0.021	0.000	0.021	-
131-11-3	Dimethyl phthalate	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
77-78-1	Dimethyl sulphate	tonnes	0.004	0.000	0.000	0.000	0.000	0.004	0.013	-0.009	-69.2
534-52-1	4,6-Dinitro- <i>o</i> -cresol (and its salts)	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
121-14-2	2,4-Dinitrotoluene	tonnes	0.000	0.000	0.000	0.100	0.000	0.100	1.190	-1.090	-91.6
117-84-0	Di- <i>n</i> -octyl phthalate	tonnes	0.272	0.000	0.000	0.000	0.000	0.272	0.200	0.072	36.0
123-91-1	1,4-Dioxane	tonnes	0.704	0.095	0.000	0.000	0.000	0.799	1.774	-0.975	-55.0
122-39-4	Diphenylamine	tonnes	0.007	0.000	0.000	0.001	0.000	0.008	0.000	0.008	-
106-89-8	Epichlorohydrin	tonnes	0.000	0.000	0.000	0.000	0.000	0.594	0.004	0.590	**
110-80-5	2-Ethoxyethanol	tonnes	20.100	0.000	0.000	0.000	0.000	20.101	23.985	-3.884	-16.2
111-15-9	2-Ethoxyethyl acetate	tonnes	0.101	0.000	0.000	0.000	0.000	0.151	4.250	-4.099	-96.4
140-88-5	Ethyl acrylate	tonnes	1.778	0.000	0.000	0.000	0.000	1.906	0.322	1.584	491.9



## ON-SITE RELEASES OF THE 197 NPRI POLLUTANTS REPORTED FOR 2000, BY ENVIRONMENTAL MEDIUM - CONTINUED

CAS No.	Pollutant	Units	Air	Water	Disposal	Land Releases	Other Land	Under-ground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
100-41-4	Ethylbenzene	tonnes	759.623	1.714	0.042	0.087	0.087	3.164	768.862	749.329	19.533	2.6
74-85-1	Ethylene	tonnes	2 709.910	0.000	0.000	0.076	0.076	0.000	2 711.022	2 288.485	422.537	18.5
107-21-1	Ethylene glycol	tonnes	317.388	64.553	0.406	2 168.041	473.527	3 029.760	2 749.359	280.401	10.2	
75-21-8	Ethylene oxide	tonnes	18.516	0.000	0.000	0.000	0.000	0.000	18.592	22.359	- 3.767	-16.8
206-44-0	Fluoranthene*	kg	96 977.533	41.819	182.546	0.238	0.238	0.000	97 202.136	-	97 202.136	-
7782-41-4	Fluorine	tonnes	7.691	0.000	0.000	20.817	0.000	0.000	28.508	8.843	19.665	222.4
50-00-0	Formaldehyde	tonnes	1 774.560	28.510	0.500	0.001	0.001	9.651	1 814.772	1 660.396	154.376	9.3
64-18-6	Formic acid	tonnes	0.674	0.000	0.000	0.000	0.000	0.000	1.085	0.708	0.377	53.2
75-63-8	Halon 1301	tonnes	0.085	0.000	0.000	0.000	0.000	0.000	0.086	0.273	- 0.187	-68.5
75-45-6	HFC-22	tonnes	127.913	0.215	0.000	0.000	0.000	0.000	128.136	137.579	- 9.443	-6.9
41834-16-6	HFC-122 and all isomers	tonnes	0.000	0.009	0.000	0.000	0.000	0.000	0.009	0.811	- 0.802	-98.9
34077-87-7	HFC-123 and all isomers	tonnes	2.737	7.397	0.000	0.000	0.000	0.000	10.134	0.227	9.907	**
1717-00-6	HFC-141b	tonnes	166.956	0.000	0.000	0.000	0.000	0.000	166.957	178.955	- 11.998	-6.7
75-68-3	HFC-142b	tonnes	941.089	0.000	0.000	0.000	0.000	0.000	941.089	746.066	195.023	26.1
118-74-1	Hexachlorobenzene*	grams	37 132.984	174.051	491.054	0.000	0.000	0.000	37 798.089	-	37 798.089	-
67-72-1	Hexachloroethane	tonnes	0.005	0.000	0.000	0.000	0.000	0.000	0.005	0.012	- 0.007	-58.3
110-54-3	n-Hexane	tonnes	3 559.294	2.722	0.100	0.681	0.681	4.140	3 573.143	3 183.177	389.966	12.3
302-01-2	Hydrazine (and its salts)	tonnes	0.192	0.986	0.000	0.000	0.000	0.000	1.178	1.934	- 0.756	-39.1
7647-01-0	Hydrochloric acid	tonnes	16 184.694	24.528	0.349	0.173	0.173	0.000	16 213.670	11 659.711	4 553.959	39.1
74-90-8	Hydrogen cyanide	tonnes	33.792	0.000	0.000	0.000	0.000	0.000	33.792	58.890	- 25.098	-42.6
7664-39-3	Hydrogen fluoride	tonnes	3 600.834	0.000	0.000	0.000	0.000	0.000	3 601.098	3 541.969	59.129	1.7
7783-06-4	Hydrogen sulphide	tonnes	6 094.634	30.861	0.000	5.000	148 462.158	154 593.458	126 372.932	28 220.526	22.3	
123-31-9	Hydroquinone (and its salts)	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.700	- 0.700	-100.0
193-39-5	Indeno(1,2,3-c,d)pyrene*	kg	10 830.770	8.474	12.970	0.121	0.121	0.000	10 852.335	-	10 852.335	-
78-79-5	Isoprene	tonnes	60.008	0.000	0.000	0.000	0.000	0.099	60.107	42.271	17.836	42.2
67-63-0	Isopropyl alcohol	tonnes	1 694.408	0.029	0.109	0.145	0.145	8.475	1 711.658	2 017.664	- 306.006	-15.2
80-05-7	p,p'-Isopropylidenediphenol	tonnes	0.651	0.000	0.000	0.000	0.000	0.000	0.651	0.382	0.269	70.4
NA	Lead (and its compounds)	tonnes	495.683	9.835	3 074.533	143.183	0.003	3 727.585	3 495.282	232.303	6.6	
554-13-2	Lithium carbonate	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.0
108-31-6	Maleic anhydride	tonnes	0.113	0.000	0.000	0.000	0.000	0.000	0.721	1.467	- 0.746	-50.9
NA	Manganese (and its compounds)	tonnes	150.462	955.010	2 844.085	637.949	0.000	0.000	4 598.731	4 124.515	474.216	11.5
149-30-4	2-Mercaptobenzothiazole	tonnes	0.000	0.000	11.300	0.000	0.000	0.000	11.300	0.000	11.300	-
NA	Mercury (and its compounds)*	kg	5 981.746	231.459	2 787.629	41.421	25.700	9 067.955	1 976.000	7 091.955	358.9	

## ON-SITE RELEASES OF THE 197 NPRI POLLUTANTS REPORTED FOR 2000, BY ENVIRONMENTAL MEDIUM - CONTINUED

CAS No.	Pollutant	Units	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	% Change	
										(1999-2000)	(1999-2000)
767-56-1	Methanol	tonnes	20 799.928	998.696	22.708	3.697	4 130.716	25 968.169	26 900.649	- 932.480	-3.5
109-86-4	2-Methoxyethanol	tonnes	11.557	0.000	0.000	0.000	0.000	11.557	8.151	3.406	41.8
96-33-3	Methyl acrylate	tonnes	0.000	0.000	0.000	0.000	0.000	0.019	0.919	- 0.900	-97.9
1634-04-4	Methyl <i>tert</i> -butyl ether	tonnes	170.874	0.060	0.000	0.000	0.000	170.934	208.081	- 37.147	-17.9
101-14-4	<i>p,p'</i> -Methylenebis(2-chloroaniline)	tonnes	0.000	0.000	0.000	0.000	0.000	0.005	0.005	0.000	0.0
5124-30-1	1,1-Methylenebis-- (4-isocyanatocyclohexane)	tonnes	0.002	0.000	0.000	0.000	0.000	0.002	0.000	0.002	-
101-68-8	Methylenebis(phenylisocyanate)	tonnes	1.461	0.000	0.000	0.000	0.000	2.782	4.570	- 1.788	-39.1
78-93-3	Methyl ethyl ketone	tonnes	5 009.342	0.001	0.000	0.165	1 290.000	6 306.463	5 853.884	452.579	7.7
108-10-1	Methyl isobutyl ketone	tonnes	657.185	0.000	0.000	0.015	0.000	658.995	715.283	- 56.288	-7.9
80-62-6	Methyl methacrylate	tonnes	11.303	0.000	0.000	0.000	0.000	11.609	20.264	- 8.655	-42.7
924-42-5	N-Methylolacrylamide	tonnes	0.000	0.000	0.000	0.000	0.000	0.015	0.012	0.003	25.0
872-50-4	N-Methyl-2-pyrrolidone	tonnes	74.446	0.000	0.000	0.000	21.803	96.283	110.706	- 14.423	-13.0
1313-27-5	Molybdenum trioxide	tonnes	2.150	0.527	0.000	0.000	0.000	3.004	2.481	0.523	21.1
91-20-3	Naphthalene	tonnes	90.009	0.314	26.907	0.108	0.835	120.117	58.555	61.562	105.1
NA	Nickel (and its compounds)	tonnes	468.864	37.809	256.475	11.877	0.010	778.600	606.926	171.674	28.3
NA	Nitrate ion in solution at pH ≥ 6.0	tonnes	11.632	18 935.441	107.800	92.738	350.830	19 499.243	7 442.595	12 056.648	162.0
7697-37-2	Nitric acid	tonnes	24.523	0.000	0.000	0.000	0.000	25.650	6.565	19.085	290.7
139-13-9	Nitrotriatic acid (and its salts)	tonnes	2.000	0.000	0.000	0.000	0.000	2.120	2.037	0.083	4.1
104-40-5	Nonylphenol	tonnes	0.119	0.000	0.000	0.000	0.000	0.119	0.032	0.087	271.9
84852-15-3	Nonylphenol, industrial	tonnes	0.000	0.000	0.000	0.000	0.000	0.100	0.529	- 0.429	-81.1
25154-52-3	<i>n</i> -Nonylphenol (mixed isomers)	tonnes	0.550	0.000	0.000	0.000	0.000	0.710	0.200	0.510	255.0
9016-45-9	Nonylphenol polyethylene glycol ether	tonnes	0.115	11.212	136.870	0.009	0.000	150.204	193.532	- 43.328	-22.4
104-35-8	2-( <i>p</i> -Nonylphenoxy) ethanol	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
NA	PAHs, total Schedule 1, Part 3*	kg	4 786.056	30.332	103.063	5.000	0.000	4 924.451	-	4 924.451	-
76-01-7	Pentachloroethane	tonnes	0.011	0.000	0.000	0.000	0.000	0.011	0.029	- 0.018	-62.1
79-21-0	Peracetic acid (and its salts)	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
198-55-0	Perylene*	kg	1 226.541	2.750	1.876	0.003	0.000	1 231.170	-	1 231.170	-
85-01-8	Phenanthrene*	kg	144 150.350	91.961	2 114.449	1.854	0.000	146 358.609	-	146 358.609	-
108-95-2	Phenol (and its salts)	tonnes	342.768	14.139	0.000	0.000	9.278	367.377	318.548	48.829	15.3
106-50-3	<i>p</i> -Phenylenediamine (and its salts)	tonnes	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.100	-
90-43-7	<i>o</i> -Phenylphenol (and its salts)	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-

## ON-SITE RELEASES OF THE 197 NPRI POLLUTANTS REPORTED FOR 2000, BY ENVIRONMENTAL MEDIUM - CONTINUED

CAS No.	Pollutant	Units	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000 Total	1999 Total	Change (1999-2000)	% Change (1999-2000)
75-44-5	Phosgene	tonnes	0.001	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.0
7664-38-2	Phosphoric acid	tonnes	4.431	1.542	0.413	0.250	0.000	7.477	16.197	- 8.720	-53.8
7723-14-0	Phosphorus (yellow or white)	tonnes	4.048	0.243	0.000	23.387	0.000	27.778	12.640	15.138	119.8
85-44-9	Phthalic anhydride	tonnes	1.120	0.000	760.200	0.000	0.000	761.856	349.735	412.121	117.8
NA	Polychlorinated dibenzo- <i>p</i> -dioxins and polychlorinated dibenzofurans* g TEQ		103.892	1.175	85.502	1.093	18.570	210.232	-	210.232	-
9016-87-9	Polymeric diphenylmethane diisocyanate*	tonnes	1.444	0.000	0.000	0.002	0.000	1.750	-	1.750	-
115-07-1	Propylene	tonnes	884.514	0.000	0.000	0.021	0.000	885.714	961.959	- 76.245	- 7.9
75-56-9	Propylene oxide	tonnes	10.480	0.000	0.000	0.000	0.000	10.480	10.403	0.077	0.7
129-00-0	Pyrene*	kg	81 001.206	19.201	218.870	0.908	0.000	81 240.185	-	81 240.185	-
110-86-1	Pyridine (and its salts)	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.155	- 0.155	-100.0
91-22-5	Quinoline (and its salts)	tonnes	0.190	0.000	0.000	0.000	0.000	0.190	0.200	- 0.010	-5.0
NA	Selenium (and its compounds)	tonnes	10.935	3.928	10.070	0.000	0.000	25.258	21.317	3.941	18.5
NA	Silver (and its compounds)	tonnes	1.782	0.173	0.020	0.000	0.000	2.119	2.151	- 0.032	- 1.5
7681-49-4	Sodium fluoride	tonnes	0.500	1.034	0.000	0.000	0.000	1.534	163.015	- 161.481	-99.1
7632-00-0	Sodium nitrite	tonnes	0.205	35.153	0.000	0.000	0.000	35.371	22.825	12.546	55.0
100-42-5	Styrene	tonnes	1 760.325	0.000	0.000	0.040	0.345	1 764.356	2 197.274	- 432.918	-19.7
2551-62-4	Sulphur hexafluoride	tonnes	98.442	0.000	0.000	0.000	0.000	98.442	73.328	25.114	34.2
7664-93-9	Sulphuric acid	tonnes	10 429.180	38.788	0.005	3.727	0.000	10 479.466	9 444.046	1 035.420	11.0
79-34-5	1,1,2,2-Tetrachloroethane	tonnes	0.189	0.000	0.000	0.000	0.000	0.189	0.468	- 0.279	-59.6
127-18-4	Tetrachloroethylene	tonnes	121.550	0.034	0.000	0.000	0.000	122.864	125.902	- 3.038	- 2.4
78-00-2	Tetraethyl lead	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
62-56-6	Thiourea	tonnes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
7550-45-0	Titanium tetrachloride	tonnes	0.375	0.000	0.000	0.000	0.000	0.375	0.990	- 0.615	-62.1
108-88-3	Toluene	tonnes	6 517.102	1.344	0.036	0.709	59.272	6 593.632	7 273.755	- 680.123	- 9.4
584-84-9	Toluene-2,4-diiisocyanate	tonnes	0.004	0.000	0.000	0.000	0.000	0.014	0.115	- 0.101	- 87.8
91-08-7	Toluene-2,6-diiisocyanate	tonnes	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.002	-
26471-62-5	Toluenedisocyanate (mixed isomers)	tonnes	0.749	0.000	0.000	0.000	0.000	1.277	1.649	- 0.372	-22.6
79-00-5	1,1,2-Trichloroethane	tonnes	1.297	0.027	0.000	0.000	0.000	1.431	1.817	- 0.386	-21.2
79-01-6	Trichloroethylene	tonnes	649.726	0.000	0.000	0.000	0.000	650.071	690.309	- 40.238	- 5.8
121-44-8	Triethylamine	tonnes	86.983	0.000	0.000	0.000	0.000	87.023	71.148	15.875	22.3
95-63-6	1,2,4-Trimethylbenzene	tonnes	581.026	0.265	0.010	0.144	0.389	584.849	635.569	- 50.720	- 8.0

## ON-SITE RELEASES OF THE 197 NPRI POLLUTANTS REPORTED FOR 2000, BY ENVIRONMENTAL MEDIUM - CONTINUED

CAS No.	Pollutant	Units	Air	Water	Land Disposal	Other Land Releases	Under-ground Injection	2000		1999		Change (1999-2000)	% Change (1999-2000)
								Total	Total	Total	Total		
7440-62-2	Vanadium (fume or dust)	tonnes	132.089	0.156	1.908	0.000	0.000	0.000	134.321	107.420	26.901	25.0	
108-05-4	Vinyl acetate	tonnes	180.946	0.000	0.000	0.019	139.171	320.456	525.984	-205.528	-39.1		
75-01-4	Vinyl chloride	tonnes	16.729	0.019	0.000	0.000	0.000	16.934	19.246	-2.312	-12.0		
75-35-4	Vinylidene chloride	tonnes	0.000	0.000	0.000	0.000	0.000	0.050	1.325	-1.275	-96.2		
1330-20-7	Xylene (mixed isomers)	tonnes	6 670.111	3.629	0.051	0.932	36.125	6 724.629	7 029.190	-304.561	-4.3		
NA	Zinc (and its compounds)	tonnes	823.578	254.467	5 912.497	1 611.510	0.937	8 608.255	16 669.150	-8 060.895	-48.4		

Notes: Because of rounding of release quantities, the totals may not equal the sum of the individual values.

Land Disposal includes Landfill and Land Treatment. Other Land Releases includes Land Spill, Land Leak and Land Other.

Where quantities released in 2000 are shown as 0.000, at least one report was submitted to the NPRI but releases were reported as zero. Where total quantities released in 1999 are shown as 0.000, this indicates either releases were reported as zero or no reports were submitted to the NPRI for that substance.

\* These substances were added to the NPRI for 2000, with the exception of mercury (and its compounds). However, the reporting threshold for mercury was lowered from the original 10-tonne and 1% concentration threshold of previous years to 5 kg beginning in the 2000 reporting year. Therefore, 1999 values for mercury have been converted to kilograms. Facilities had the option of reporting release and transfer quantities for each of the 17 individual PAHs or, if information was not available individually, PAHs could be reported together under a separate listing PAHs, total Schedule 1, Part 3.

\*\* Percentages greater than 750 are not shown.



## Appendix C — List of Facilities Reporting to the NPRI in 2000 <sup>(1)</sup>

(1) Facilities' names provided in the NPRI reports were edited for ease of search.

(2) SIC Code = Standard Industrial Classification code (established by Statistics Canada). SIC codes shown in this table were provided by facilities.

NPRI ID	SIC Code	Company Name	Facility Name	City	Prov./Terr.
5219	06	1126774 Ontario Ltd.	New Britannia Mine	Snow Lake	MB
5441	37	2750-9264 Québec Inc.	Produits Chimiques Citadel	Notre-Dame-du-Mont-Carmel	QC
5430	37	3io Corp	Trois-Pistoles	Rivière-Trois-Pistoles	QC
3198	37	3M Canada Company (London)	London, Ontario	London	ON
3201	35	3M Canada Company (Perth)	Perth, Ontario	Perth	ON
0744	81	8 Wing Trenton		Astra	ON
4641	30	A & A Metal Cleaning & Stripping	A & A Metal Cleaning	Chatham	ON
0185	16	A-Z Sponge & Foam Products Ltd.		Delta	BC
2404	30	A.G. Simpson Co. Ltd.	A.G. Simpson Co. Ltd. - Windsor	Windsor	ON
3120	32	A.G. Simpson Co. Ltd.	A.G. Simpson Co. Ltd. - Oshawa	Oshawa	ON
2640	30	A.G. Simpson Co. Ltd.	A.G. Simpson Co. Ltd. - Scarborough	Scarborough	ON
3121	30	A.G. Simpson Co. Ltd.	A.G. Simpson Co. Ltd. - Cambridge	Cambridge	ON
4424	30	A.G. Simpson Co. Ltd.	A.G. Simpson Co. Ltd. - Oakville	Oakville	ON
4205	30	A.H. Tallman Bronze Co. Ltd.	A.H. Tallman Bronze Co. Ltd.	Burlington	ON
4644	37	A.R. Monteith Inc.		Mississauga	ON
4624	39	A.T. Designs Insignia Ltd.		Scarborough	ON
5205	25	Aallcann Wood Suppliers		Prince Albert	SK
4702	30	ABB	ABB Coiltech	Smiths Falls	ON
5401	33	ABB Inc.	Division transformateur et condensateur	Québec	QC
4943	16	ABC Group Incorporated	MSB Plastics	Etobicoke	ON
4648	16	ABC Group Incorporated	Polybottle Group Ltd. Vancouver	Surrey	BC
4941	16	ABC Group Incorporated	Polybottle Group Ltd. Brampton	Brampton	ON
4942	16	ABC Group Incorporated	Polybottle Group Ltd. Edmonton	Edmonton	AB
5914	16	ABC Group Incorporated	ABC Group Exterior Systems	Etobicoke	ON
5915	16	ABC Group Incorporated	ABC Group Interior Systems	Etobicoke	ON
2587	27	Abitibi Consolidated Inc.	Division Laurentide	Grand-Mère	QC
2752	27	Abitibi Consolidated Inc.	Division Belgo	Shawinigan	QC
4897	27	Abitibi Consolidated Inc.	Stephenville Division	Stephenville	NF
0978	27	Abitibi Consolidated Inc.	Iroquois Falls Division	Iroquois Falls	ON
4030	27	Abitibi-Consolidated Inc.	Kenora	Kenora	ON
0979	27	Abitibi-Consolidated Inc.	Division Kénogami	Jonquière	QC
0987	27	Abitibi-Consolidated Inc.	Division Beaupré	Beaupré	QC
0983	27	Abitibi-Consolidated Inc.	Division Alma	Alma	QC
2636	27	Abitibi-Consolidated Inc.	Division Port-Alfred	La Baie	QC
5009	27	Abitibi-Consolidated Inc.	Grand Falls Division	Grand Falls-Windsor	NF
0981	27	Abitibi-Consolidated Inc.	Fort William Division	Thunder Bay	ON
0917	27	Abitibi-Consolidated Inc.	Fort Frances	Fort Frances	ON
2546	30	Acadian Barrel Finishing		Rexdale	ON
2541	30	Acadian Platers Co. Ltd.		Rexdale	ON
0087	16	Accuflex Industrial Hose Ltd.		Guelph	ON
3665	32	Accuride Corporation	Accuride Canada Inc.	London	ON
5953	26	Acorn Kitchens Limited	Acorn Kitchens	Kitchener	ON
5403	15	Acton International Inc.	Acton International Inc. Usine	Acton Vale	QC
3653	29	Acufil, société en commandite		Montréal	QC
5228	02	ADM Agri-Industries Ltd.	ADM Animal Health & Nutrition - Lethbridge	Lethbridge	AB
4591	10	ADM Agri-Industries Ltd.	ADM Lloydminster	Lloydminster	AB
5694	10	ADM Agri-Industries Ltd.	ADM Windsor	Windsor	ON
5931	02	ADM Agri-Industries Ltd.	ADM Animal Health & Nutrition - Woodstock	Woodstock	ON

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
5498	10	ADM Agri-Industries Ltée	ADM Candiac	Candiac	QC
4405	16	ADS Groupe Composites	Fibrex Composites	Terrebonne	QC
4996	16	ADS Groupe Composites	Beauce Composites	Sainte-Clothilde-de-Beauce	QC
4997	16	ADS Groupe Composites	TM Composites	Thetford Mines	QC
5462	16	ADS Groupe Composites	Pultrall	Thetford Mines	QC
5140	37	Advance Chemicals Ltd.		Langley	BC
4823	07	AEC Oil & Gas	Sexsmith Saddle Hills Gas Plant	Sexsmith	AB
5239	07	AEC Oil & Gas	Hythe Brainard Gas Plant	Hythe	AB
5821	16	AEP Canada Inc.	Edmonton Resinite	Edmonton	AB
5819	16	AEP Canada Inc.	West Hill	West Hill	ON
0096	35	AFGD	Fabricated Products Division	Concord	ON
1175	37	Agrium	Agrium - Joffre Nitrogen Operations	County of Lacombe	AB
4874	37	Agrium	Fort Saskatchewan Nitrogen Operations	Fort Saskatchewan	AB
5684	06	Agrium	Kapuskasing Phosphate Operations	Kapuskasing	ON
1177	06	Agrium Inc.	Vanscoy Potash Operations	Vanscoy	SK
3269	37	Agrium Inc.	Carseland Nitrogen Operations	Calgary	AB
2134	37	Agrium Products Inc.	Redwater Fertilizer Operations	Redwater / Municipal District of Sturgeon	AB
4792	10	Agropur coopérative	Usine de Beauceville	Beauceville	QC
4793	10	Agropur coopérative	Usine de Chambord	Chambord	QC
4341	10	Agropur coopérative	Agropur Granby	Granby	QC
4342	10	Agropur coopérative	Agropur Notre-Dame-du-Bon-Conseil	Notre-Dame-du-Bon-Conseil	QC
4893	37	Aimco Solrec Ltd.		Milton	ON
4880	25	Ainsworth Lumber Co. Ltd.	Grande Prairie	Grande Prairie	AB
5191	25	Ainsworth Lumber Co. Ltd.	100 Mile House OSD Plant	100 Mile House	BC
3830	45	Air Canada - Calgary	Calgary International Airport	Calgary	AB
1024	45	Air Canada - Charlottetown	Charlottetown International Airport	Charlottetown	PE
3832	45	Air Canada - Edmonton	Edmonton International Airport	Edmonton	AB
1018	45	Air Canada - Fredericton	Fredericton International Airport	Fredericton	NB
1014	45	Air Canada - Halifax	Halifax International Airport	Halifax	NS
1022	45	Air Canada - Moncton	Moncton International Airport	Moncton	NB
1006	45	Air Canada - Ottawa	Ottawa International Airport	Ottawa	ON
1012	45	Air Canada - Québec	Aéroport international de Québec	Sainte-Foy	QC
0998	45	Air Canada - Regina	Regina International Airport	Regina	SK
1020	45	Air Canada - Saint John	Saint John International Airport	Saint John	NB
3834	45	Air Canada - Saskatoon	Saskatoon International Airport	Saskatoon	SK
3838	45	Air Canada - St. John's	St. John's International Airport	St. John's	NF
3836	45	Air Canada - Thunder Bay	Thunder Bay Airport	Thunder Bay	ON
1026	45	Air Canada - Toronto	Toronto International Airport	Toronto	ON
0992	45	Air Canada - Vancouver	Vancouver International Airport	Richmond	BC
1002	45	Air Canada - Winnipeg	Winnipeg International Airport	Winnipeg	MB
3503	37	Air Liquide Canada Inc.	Hamilton Oxyton	Hamilton	ON
3513	30	Air Liquide Canada Inc.	Usine d'électrodes	Montréal	QC
3515	30	Air Liquide Canada Inc.	Tréfilerie et UMS (Usine de matériel de soudure)	Boucherville	QC
3391	37	Air Products Canada Ltd.	Nanticoke	Nanticoke	ON
5711	59	Air Products Canada Ltd.	Lasalle	Lasalle	QC
5921	30	Ajax Precision Manufacturing Limited	Ajax Precision Manufacturing Limited - Brampton Plant	Brampton	ON
5922	30	Ajax Precision Manufacturing Limited	Ajax Precision Manufacturing Limited - Toronto Plant	Weston	ON
3977	37	Akzo Nobel Chemicals Ltd.		Saskatoon	SK
4369	37	Akzo Nobel Coatings Ltd.		Saint-Jérôme	QC
5206	37	Albchem Industries Ltd.		Bruderheim	AB

LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 <sup>(1)</sup>: CONTINUED

NPRI ID	SIC <sup>(2)</sup> Code	Company Name	Facility Name	City	Prov./ Terr.
2599	11	Alberta Distillers Limited		Calgary	AB
3974	37	Alberta Envirofuels Inc.		Edmonton	AB
1028	27	Alberta Newsprint Company		Whitecourt	AB
5157	25	Alberta Plywood Ltd.	Slave Lake Division	Slave Lake	AB
5207	25	Alberta Wood Preservers Ltd.		Spruce Grove	AB
0001	27	Alberta-Pacific Forest Industries Inc.		Boyle	AB
3406	29	Alcan Groupe Métal Primaire	Usine Arvida	Jonquière	QC
3365	33	Alcan Inc.	Alcan Bracebridge Works	Bracebridge Muskoka	ON
4197	29	Alcan Inc.	Kingston Works	Kingston	ON
3054	29	Alcan Inc.	Usine Isle-Maligne	Alma	QC
5510	29	Alcan Inc.	Usine Alma	Alma	QC
0018	29	Alcan Inc.	Usine Saguenay	Jonquière	QC
3062	29	Alcan Métal Primaire	Usine Grande-Baie, Alcan	La Baie	QC
3057	29	Alcan Métal Primaire	Usine Shawinigan	Shawinigan	QC
4808	29	Alcan Métal Primaire	Usine de Beauharnois	Melocheville	QC
3060	29	Alcan Métal Primaire	Usine Laterrière	Laterrière	QC
2788	29	Alcan Primary Metal Group - British Columbia	Kitimat Works	Kitimat	BC
4985	55	Alcoa Fujikura Manufacturing (Canada) Ltd.	AFL Owen Sound	Owen Sound	ON
0105	37	ALDEX Chemical Co. Ltd.		Granby	QC
1070	29	Algoma Steel Inc.		Sault Ste. Marie	ON
5940	32	Algonquin Automotive	AAH	Huntsville	ON
5941	32	Algonquin Automotive	AAG	Gravenhurst	ON
4932	10	Aliments Burns Philp Limitée	Levure Fleischmann	Lasalle	QC
5293	99	All Brite Metal Finishing Ltd.		Edmonton	AB
1485	37	Allcolour Paint Limited		Oakville	ON
5945	50	Alltech Inc.	Alltech Inc. Alexandria Plant	Alexandria	ON
5757	25	Allwood Products Limited	Allwood	Concord	ON
4482	15	AlphaGary (Canada) Limited		Stoney Creek	ON
5705	37	Alpine Plant Foods Corporation	Manufacturing Plant	Baden	ON
1106	29	AltaSteel Ltd.	AltaSteel Ltd.	Edmonton	AB
0109	30	Alumabrite Anodizing Ltd.		Hamilton	ON
5748	30	Alumicor Limited		Etobicoke	ON
4778	29	Aluminerie Alouette Inc.	Usine de Sept-îles	Sept-îles	QC
1071	29	Aluminerie de Bécancour Inc.		Bécancour	QC
4782	29	Aluminerie Luralco Inc.	Usine de Deschambault	Deschambault	QC
1580	28	Alusuisse Canada Inc.	Alcan Packaging - Toronto	Toronto	ON
4518	28	Alusuisse Canada Inc.	Alcan Packaging - Weston	Toronto	ON
2496	29	AMCAN Castings Limited	AMCAN	Hamilton	ON
0931	16	Ampacet Canada	Kitchener Plant	Kitchener	ON
1122	16	Ampacet Canada	Delta Plant	Delta	BC
5209	29	Amsco Cast Products (Canada) Inc.		Selkirk	MB
5443	37	Anachemia Canada Inc.		Lachine	QC
3564	37	Anachemia Ltée/Ltd.		Lachine	QC
1755	07	Anadarko Canada Corporation	Progress Gas Plant	Gordondale	AB
2511	29	Ancast Industries Ltd.		Winnipeg	MB
4601	30	Anchor Lamina Inc.	Windsor	Windsor	ON
4602	30	Anchor Lamina Inc.	Devon Rd.	Windsor	ON
4603	30	Anchor Lamina Inc.	Cambridge	Cambridge	ON
4604	30	Anchor Lamina Inc.	Mississauga	Mississauga	ON
5908	37	Anco Chemicals Inc.		Maple	ON
1411	07	Anderson Exploration Ltd.	Carstairs Gas Plant	Carstairs	AB
3931	07	Anderson Exploration Ltd.	Wimborne Gas Plant	Wimborne	AB
0106	07	Anderson Exploration Ltd.	Dunvegan Gas Unit #1	Fairview	AB



**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
0432	07	Anderson Exploration Ltd.	Wapiti Gas Plant	Grande Prairie	AB
2767	30	Anti Friction Enterprises Ltd.		Rexdale	ON
3284	37	AOC Canada Inc.		Guelph	ON
5255	07	Apache Canada Ltd.	Midale Complex	Weyburn	SK
5223	07	Apache Canada Ltd.	Virginia Hills Complex	Swan Hills	AB
5224	07	Apache Canada Ltd.	House Mountain Complex	Swan Hills	AB
5285	07	Apache Canada Ltd.	Zama Gas Processing Complex	Zama City	AB
5823	37	APCO Industries Co. Ltd.	Plant and Distribution Centre	Toronto	ON
3219	29	APEL Extrusions Limited		Calgary	AB
5210	37	Apotex Fermentation Inc.		Winnipeg	MB
4407	16	Arborite, division de Premark Canada Inc.	Arborite-LaSalle	LaSalle	QC
5429	37	ARC Resins Corporation	Longueuil Plant	Longueuil	QC
3756	07	Archean Energy Ltd.	Bellshill Lake Plant	Killam	AB
5763	16	Architectural Ornament Inc.		Concord	ON
4471	28	Aries Flexographics Ltd.		Mississauga	ON
5305	25	Armor Wood Products Ltd.		Edmonton	AB
5501	10	Armstrong Cheese Company Ltd.	Red Deer Plant	Red Deer	AB
5502	10	Armstrong Cheese Company Ltd.	Abbotsford Plant	Abbotsford	BC
5503	10	Armstrong Cheese Company Ltd.	Glenwood Facility	Glenwood	AB
5504	10	Armstrong Cheese Company Ltd.	Harrowsmith Plant	Harrowsmith	ON
5505	10	Armstrong Cheese Company Ltd.	Oakville Plant	Oakville	ON
5506	10	Armstrong Cheese Company Ltd.	Yorkton Plant	Yorkton	SK
1093	37	Armstrong Corporation	Haines Road Location	Mississauga	ON
4592	37	Armstrong Corporation (formerly Root Industries Inc.)	Weston Road Location	Toronto	ON
4935	39	Armstrong World Industries Canada Ltd.	Montréal Plant	Montréal	QC
0117	32	ArvinMeritor	ArvinMeritor Ride Control Products, Inc.	Toronto	ON
5822	30	Arzon Limited		Hamilton	ON
4493	16	Asbestos Building Supply Limited	ABSL	Etobicoke	ON
0120	37	Ashland Canada Corp.	Resin & Chemical Div.	Mississauga	ON
0249	37	Ashland Canada Corporation	Drew Canada	Ajax	ON
1099	59	Ashland Canada Inc.	Ashland Distribution Company	Boucherville	QC
5113	37	Ashland Canada Inc.	Composite Polymers Division	Kelowna	BC
1096	59	Ashland Canada Inc.	Ashland Distribution Services	Mississauga	ON
5869	30	ASL (Tomkins) Limited		Brampton	ON
0123	29	Associated Tube Industries	A.T.I.	Markham	ON
0126	37	AT Plastics Inc.	Edmonton Site	Edmonton	AB
1105	16	AT Plastics Inc.	AT Plastics Inc. Packaging	Brampton	ON
4934	16	ATC Chimiques/Chemicals Inc.		Drummondville	QC
1033	49	ATCO Electric	Battle River Generating Station	Forestburg	AB
1039	49	ATCO Electric	H.R. Milner Generating Station	Grande Cache	AB
4902	30	Athena Protective Coatings Inc.		Mississauga	ON
5688	27	Atlantic Packaging Products Ltd.	111 Progress	Toronto	ON
0125	27	Atlantic Packaging Products Ltd.	Whitby	Whitby	ON
2405	25	Atlantic Pressure Treating Limited		Tracyville	NB
5802	16	Atlas Roofing Corporation		Etobicoke	ON
1492	37	Atofina Canada Inc.	Usine de Bécancour	Bécancour	QC
0305	36	Atofina Canada Inc.	Atofina Oakville	Oakville	ON
3147	77	Atomic Energy Canada Limited	Chalk River Laboratories	Chalk River	ON
1109	37	Atotech Canada Ltd.		Burlington	ON
4918	06	Aur Ressources Inc.	Mine Louvicourt	Val-d'Or	QC
5899	55	Autosystems Manufacturing Inc.	Plant 1	Belleville	ON

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
5900	55	Autosystems Manufacturing Inc.	Plant 2	Belleville	ON
2510	30	Autotek Electroplating Inc.		Rexdale	ON
5008	27	AV Cell Inc.		Atholville	NB
5149	39	Avcorp Industries Inc.	Aerostructures Division	Delta	BC
1408	37	Aventis CropScience Canada Company	Aventis CropScience - Regina Site	Regina	SK
5828	37	Aventis Pasteur Limited	Connaught Campus	Toronto	ON
5500	45	AÉRO MAG 2000 YUL INC.	Centre de dégivrage - aéroport international de Montréal (Dorval)	Saint-Laurent	QC
5873	30	B&W Heat Treating (1975) Ltd.	Plant No. 2	Kitchener	ON
0064	30	B&W Heat Treating (1975) Ltd.	Plant No. 1	Kitchener	ON
1842	37	B.C. Chemicals Ltd.		Prince George	BC
5600	30	Babcock & Wilcox Canada	Babcock & Wilcox Cambridge	Cambridge	ON
5636	30	Babcock & Wilcox Canada	Babcock & Wilcox Melville	Melville	SK
0341	11	Bacardi Canada, Inc.	BCI, Inc.	Brampton	ON
1905	09	Baker Petrolite Corporation	Baker Petrolite Nisku Facility	Nisku	AB
2533	09	Baker Petrolite Corporation	Baker Petrolite Corporation - Foothills	Calgary	AB
5351	09	Baker Petrolite Corporation	Baker Petrolite Corporation - Eastfield	Calgary	AB
5018	09	Baker Petrolite Corporation	Baker Petrolite, St. John's Facility	Mount Pearl	NF
3095	37	Bakor Inc.		Lachine	QC
5436	16	Balcan Plastics Ltd.	Siège social	Saint-Léonard	QC
3115	30	Ball Packaging Products Canada, Inc.	Ball Packaging Products Canada, Inc. Hamilton	Hamilton	ON
3116	30	Ball Packaging Products Canada, Inc.	Ball Packaging Products Canada, Inc. Whitby	Whitby	ON
3117	30	Ball Packaging Products Canada, Inc.	Ball Packaging Products Canada, Inc. Burlington	Burlington	ON
3118	30	Ball Packaging Products Canada, Inc.	Ball Packaging Products Canada, Inc. Richmond	Richmond	BC
3119	30	Ball Packaging Products Canada, Inc.	Ball Packaging Products Canada, Inc. Baie-d'Urfé	Baie-d'Urfé	QC
1117	15	Bandag, Incorporated	Bandag Canada Ltd. Shawinigan Plant	Shawinigan	QC
1119	37	Banner Pharmacaps	Banner Pharmacaps (Canada) Ltd.	Olds	AB
0879	06	Barrick Gold Corporation	Complexe Bousquet - Division Est-Malartic	Malartic	QC
0108	06	Barrick Gold Corporation	Holt McDermott	Kirland Lake	ON
4483	37	Bartek Ingredients Inc.	Plant 1	Stoney Creek	ON
0921	37	Bartek Ingredients Inc.	Plant 2	Stoney Creek	ON
0391	37	Basell Canada Inc.	Usine de Varennes	Varennes	QC
4763	37	Basell Canada Inc.	Sarnia Plant	Corunna	ON
4726	10	BASF Canada	Abbotsford Site	Abbotsford	BC
4727	10	BASF Canada	Regina Site	Regina	SK
0022	18	BASF Canada	Arnprior Site	Arnprior	ON
0028	37	BASF Canada	Cornwall Site	Cornwall	ON
0031	37	BASF Canada	Windsor Site	Windsor	ON
0034	37	BASF Canada	Toronto Site	Toronto	ON
0043	10	BASF Canada	Georgetown Site	Georgetown	ON
4979	37	Basic Chemicals Ltd.	Basic Chemicals	Mississauga	ON
4484	19	Bauer Industries Limited	Plant 2	Waterloo	ON
5023	83	Bay St. George South	Incinerator	McKays	NF
0015	30	Baycoat Ltd.	Baycoat	Hamilton	ON
1944	37	Bayer Inc.	Bayer Inc. Sarnia Site	Sarnia	ON
5137	49	BC Hydro	Peace Canyon Generating Station	Hudson's Hope	BC
3240	49	BC Hydro	Burrard Generating Station	Port Moody	BC
5138	49	BC Hydro	Mica Generating Station	Mica Creek	BC

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./Terr.
5139	49	BC Hydro	Revelstoke Generating Station	Revelstoke	BC
5147	49	BC Hydro and Power Authority	Arnott Substation	Delta	BC
5148	49	BC Hydro and Power Authority	Vancouver Island Terminal	Duncan	BC
1562	37	Becker Acroma Inc.		Brantford	ON
3464	37	Becker Industrial Coatings Inc.		Toronto	ON
0049	16	Beckwith-Bemis Inc.	Tissus plastifiés	Sherbrooke	QC
2670	29	Belden Canada Inc.	Cobourg Facility	Cobourg	ON
1125	32	Bell Helicopter Textron, Division de Textron Canada Ltée		Mirabel	QC
5220	25	Bell Pole Company	Carseland Operation	Carseland	AB
3112	37	Benjamin Moore & Co. Limited	Toronto Plant	Toronto	ON
3114	37	Benjamin Moore & Co. Limited	Montréal Plant	Montréal	QC
4461	37	Benson Chemicals Limited		Freelton	ON
5806	30	Bernardo Metal Products Ltd.		Mississauga	ON
5807	30	Bernardo Metal Products Ltd.		Mississauga	ON
5642	32	BF Goodrich Aerospace	BF Goodrich Landing Gear Services	Burlington	ON
5760	30	BFC Industrial	BFC Industrial - Nicholls Radtke	Cambridge	ON
5200	99	BFI Canada Inc.	Calgary Landfill	Calgary	AB
5236	06	BHP Diamonds Inc.	Ekati Diamond Mine	Yellowknife	NT
1919	33	BICC General Pyrotenax Cables, Ltd.	Trenton Plant	Trenton	ON
3290	06	Billiton	Les Mines Selbaie	Villebois	QC
3945	39	Biolab Equipment Canada Ltd.		Oakville	ON
3946	39	Biolab Equipment Quebec Ltd.		Dorval	QC
5215	06	Black Hawk Mining Inc.	Keystone Gold Mine	Lynn Lake	MB
5511	30	Blanchard Ness Division Hussmann Canada	Blanchard Ness	Saint-Hubert	QC
3845	30	Blount Inc.	Blount Canada Limited	Guelph	ON
5841	35	Blue Circle Cement	Bowmanville Cement Plant	Bowmanville	ON
5871	35	Blue Circle Cement	St. Marys Plant	St. Marys	ON
5358	25	Blue Ridge Lumber (1981) Ltd.	Blue Ridge Lumber	Blue Ridge	AB
4634	30	Bodycote Thermal Processing	Bodycote Thermal Processing - Newmarket	Newmarket	ON
0938	37	Boehme Filatex Canada Inc.		Saint-Jean-sur-Richelieu	QC
0862	32	Boeing Toronto Ltd.		Toronto	ON
5414	25	Bois KMS (GMI) Ltée		L'Annonciation	QC
4927	25	Bois Traitel Ltée		Saint-Joseph-de-Kamouraska	QC
2372	06	Boliden-Westmin (Canada) Ltd.	Myra Falls Operations	Campbell River	BC
0021	29	Bolton Steel Tube Co. Ltd.	Galvanizing Plant	Bolton	ON
1136	32	Bombardier Aeronautique	Usine Saint-Laurent	Saint-Laurent	QC
1139	32	Bombardier Aeronautique	Usine Dorval	Dorval	QC
1189	32	Bombardier Aerospace	Downsview Plant	Downsview	ON
5540	32	Bombardier Aéronautique	Bombardier Aéronautique Services à la défense	Mirabel	QC
0935	39	Bombardier Inc.	Bombardier Produits récréatifs	Valcourt	QC
5463	32	Bombardier Inc.	Centre de finition Montréal	Dorval	QC
0057	32	Bombardier Transport		La Pocatière	QC
5601	32	Bombardier Transportation	Thunder Bay Plant	Thunder Bay	ON
5663	32	Bombardier Transportation	Mass Transit - North America	Millhaven	ON
3283	29	Bon L Canada	Aurora Works	Aurora	ON
3282	29	Bon L Canada Inc.	Pickering	Pickering	ON
2033	29	Bon L Canada Inc.	Usine Sainte-Thérèse	Sainte-Thérèse	QC
0135	16	Bonar Packaging Corp.	Plastics Division	Burlington	ON
1489	16	Bonar Plastics Corporation	Bonar Plastics Corporation - Lindsay	Lindsay	ON
0013	37	Borden Chemical Canada Ltd.	Borden Chemical - Vancouver	Vancouver	BC
0011	37	Borden Chemical Canada, Inc.	Borden Chemical - Edmonton	Edmonton	AB

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
0009	37	Borden Chemical Canada, Inc.	Borden Chemical - North Bay	North Bay	ON
0007	37	Borden Chimie Canada, Inc.	Borden Chimie-Laval	Laval	QC
4097	37	Border Chemical Company Limited		Winnipeg	MB
0136	32	Borg-Warner Automotive (Canada) Ltd.		Simcoe	ON
5379	25	Boucher Bros. Lumber Ltd.		Nampa	AB
5306	31	Bourgault Industries Ltd.	Air Seeder Division	St. Brieux	SK
4844	27	Bowater Inc.	Bowater Mersey Paper Company Limited	Liverpool	NS
4876	27	Bowater Maritimes Inc.	Dalhousie Mill	Dalhousie	NB
0929	27	Bowater Pulp and Paper Canada Inc.	Usine de Gatineau	Gatineau	QC
0930	27	Bowater Pulp and Paper Canada Inc.	Thunder Bay Operations	Thunder Bay	ON
1091	07	BP Canada Energy Company	Empress Gas Plant	RM of Cypress	AB
4138	07	BP Canada Energy Company	West Whitecourt Plant	NA/SO	AB
4142	07	BP Canada Energy Company	Fort Saskatchewan Underground Storage Facility	NA/SO	AB
4144	07	BP Canada Energy Company	North Caroline Plant	Sundre	AB
4146	07	BP Canada Energy Company	South Caroline Sour Gas Plant	Sundre	AB
4150	07	BP Canada Energy Company	Kaybob South Sour Gas Plant	Fox Creek	AB
4152	07	BP Canada Energy Company	West Pembina Gas Plant	NA/SO	AB
4155	07	BP Canada Energy Company	Sarnia Fractionation Plant	Sarnia	ON
4157	07	BP Canada Energy Company	Steelman Gas Plant	NA/SO	SK
4161	07	BP Canada Energy Company	Ricinus Gas Plant	Rocky Mountain House	AB
4165	07	BP Canada Energy Company	Edmonton Ethane Extraction Plant	Edmonton	AB
5405	32	Brake Parts Inc.	Brake Parts Montréal Inc.	Anjou	QC
5746	39	Brake Parts Canada Inc.	Guelph Plant	Guelph	ON
5461	63	Brake Parts Canada Inc. - Usine Anjou	Usine d'assemblage de sabots et de plaquettes de freins	Anjou	QC
4714	55	Brake Parts Inc.	Brake Parts Canada Inc. (Milton)	Milton	ON
5668	29	Brake Parts Sudbury		Sudbury	ON
4466	32	Brake Pro Ltd.	Heavy Duty Brake	Concord	ON
4473	49	Brampton Hydro Networks Inc.	Brampton Hydro	Brampton	ON
1142	25	Brandon Forest Products Ltd.		Scarborough	ON
4463	30	Brass Craft Canada Ltd.		St. Thomas	ON
5453	15	Bridgestone Firestone Canada Inc.	Usine de Joliette	Joliette	QC
0632	30	Brimac Anodizing (1985) Limited	Toronto	Toronto	ON
5346	37	Brine-Add Fluids	New Plant	Calgary	AB
5112	25	Brisco Wood Preservers Ltd.		Brisco	BC
4869	39	Bristol Aerospace	Winnipeg Plant	Winnipeg	MB
5014	49	Brooklyn Power Corporation	Brooklyn Energy Centre	Brooklyn, Queens County	NS
4855	11	Browning Harvey Limited		St. John's	NF
4907	32	Budd Canada Inc.	Budd Canada Kitchener	Kitchener	ON
3618	49	Buffalo Pound Water Administration Board	Buffalo Pound Water Treatment Plant	NA/SO	SK
5370	07	Burlington Resources Canada Energy Ltd.	Sturgeon Lake South Gas Plant	Valleyview	AB
3096	30	Burlington Technologies Inc.	Burlington Division	Burlington	ON
3097	32	Burlington Technologies Inc.	Alumetco Division	Brantford	ON
5734	30	Burlington Technologies Inc.	Centennial Division	Burlington	ON
4867	10	Burns Philp Food Limited	Fleischmann's Yeast - Calgary Plant	Calgary	AB
4332	62	Bédard - Div Shermag		Saint-Étienne-de-Lauzon	QC
0052	37	Bétonel Ltée	Usine de Terrebonne	Terrebonne	QC
3914	32	C-MAC Invotronics Inc.		Scarborough	ON
4814	29	Cable Alcan	Usine Lapointe	Jonquière	QC
0773	33	Cables PTI Cables Inc.		Pointe-Claire	QC

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
5808	37	Cabot Canada Ltd.		Sarnia	ON
4320	30	CAE Inc.	CAE Systèmes forestiers- Pâtes et papiers	Lennoxville	QC
4596	26	Calstone Inc.		Scarborough	ON
2570	32	Cam-Slide Mfg. I		Newmarket	ON
4729	32	Cam-Slide Mfg. II		Aurora	ON
1143	06	Cambior Inc.	Mine Géant Dormant	Amos	QC
1608	06	Cambior Inc.	La mine Doyon	Mont-Brun	QC
4475	30	Cambridge Brass	Division of Masco Canada	Cambridge	ON
2750	33	Camco Inc.	Camco Hamilton Plant Operation	Hamilton	ON
3498	33	Camco Inc.	Usine de Montréal	Montréal	QC
3657	06	Cameco Corporation	Blind River Refinery	Blind River	ON
1148	06	Cameco Corporation	Key Lake Operation	Saskatoon	SK
1149	06	Cameco Corporation	McArthur River Operation	Saskatoon	SK
1145	06	Cameco Corporation	Port Hope Conversion Facility	Port Hope	ON
1147	06	Cameco Corporation Ltd.	Rabbit Lake Operation	Saskatoon	SK
3358	30	Cametoid Limited	Cametoid Ltd.	Whitby	ON
3480	32	CAMI Automotive Inc.		Ingersoll	ON
5542	32	Camoplast Inc.	Division Valcourt	Valcourt	QC
5444	32	Camoplast Inc.	Division Acton Vale	Acton Vale	QC
2561	16	Camoplast Inc.	Division Roski I	Roxton Falls	QC
2564	16	Camoplast Inc.	Division Roski III	Princeville	QC
4783	16	Camoplast Inc.	Division Roski II	Roxton Falls	QC
4533	39	Can Mar Mfg. Inc.		Niagara Falls	ON
4732	25	Canac Kitchens Limited		Thornhill	ON
0151	29	Canada Alloy Castings		Kitchener	ON
0634	35	Canada Brick Ltd.	Canada Brick, Streetsville	Mississauga	ON
0637	35	Canada Brick Ltd.	Canada Brick, Ottawa	Gloucester	ON
0635	35	Canada Brick Ltd.	Canada Brick, Burlington	Burlington	ON
1152	37	Canada Colors and Chemicals Limited	Colborne Plant	Colborne	ON
1154	59	Canada Colors and Chemicals Limited	Brampton Warehouse	Brampton	ON
0156	59	Canada Colors and Chemicals Limited	Montréal Facility	Saint-Laurent	QC
4467	59	Canada Colors and Chemicals Limited	Vancouver Facility	Delta	BC
5268	30	Canada Metal	Canada Metal Western	Winnipeg	MB
4709	30	Canada Mold Technology Inc.	Woodstock Plant	Woodstock	ON
0158	35	Canada Métal (Est) Ltée		Saint-Léonard	QC
0643	37	Canada Square Resins		Toronto	ON
1074	07	Canadian 88 Energy Corp.	Canadian 88 Energy - Olds Gas Plant	Olds	AB
4938	29	Canadian Autoparts Toyota, Inc.		Delta	BC
0645	45	Canadian Blue Bird Coach, Ltd.	Brantford	Brantford	ON
4379	16	Canadian Buttons Limited		LaSalle	QC
4494	30	Canadian Curtis Refrigeration Inc.	Curtis	Stoney Creek	ON
4640	37	Canadian Custom Packaging Company	Canadian Custom Packaging	Toronto	ON
5710	39	Canadian Drawn Steel Company Inc.	R.T.I. Hamilton Plant	Hamilton	ON
3821	37	Canadian Fertilizers Limited		Medicine Hat	AB
2493	25	Canadian Forest Products Ltd.	PG Wood	Prince George	BC
5128	25	Canadian Forest Products Ltd.	Panel and Fibre Division	New Westminster	BC
5167	25	Canadian Forest Products Ltd.	Clear Lake	Prince George	BC
5168	25	Canadian Forest Products Ltd.	Fort St. James	Fort St. James	BC
5169	25	Canadian Forest Products Ltd.	Fort St. John	Fort St. John	BC
5170	25	Canadian Forest Products Ltd.	Grande Prairie	Grande Prairie	AB
5171	25	Canadian Forest Products Ltd.	Hines Creek	Hines Creek	AB
5172	25	Canadian Forest Products Ltd.	Houston	Houston	BC
5173	25	Canadian Forest Products Ltd.	Isle Pierre	Isle Pierre	BC
5174	25	Canadian Forest Products Ltd.	Polar	Bear Lake	BC

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC Code (2)	Company Name	Facility Name	City	Prov./Terr.
5175	25	Canadian Forest Products Ltd.	Rustad	Prince George	BC
5176	25	Canadian Forest Products Ltd.	Taylor	Taylor	BC
5177	25	Canadian Forest Products Ltd.	Upper Fraser	Prince George	BC
1797	27	Canadian Forest Products Ltd.	Northwood Pulp Mill	Prince George	BC
3475	16	Canadian General-Tower Ltd.		Cambridge	ON
4928	07	Canadian Hunter Exploration Limited	Elmworth Gas Plant	Grande Prairie	AB
4136	07	Canadian Natural Resources Ltd.	Wolf Lake Plant	NA/SO	AB
4159	07	Canadian Natural Resources Ltd.	Nipisi Gas Plant	Municipal District of East Peace	AB
5395	07	Canadian Natural Resources Ltd.	South Brintnell Battery	Wabasca	AB
5851	49	Canadian Niagara Power Company Limited		Fort Erie	ON
4955	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Thunderbay Airport	Thunder Bay	ON
4956	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Peace River Airport	Peace River	AB
4957	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Saskatoon Airport	Saskatoon	SK
4958	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Victoria International Airport	Sidney	BC
4959	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Penticton Airport	Penticton	BC
4961	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Fort St. John Airport	Fort St. John	BC
4962	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Campbell River Airport	Campbell River	BC
4964	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Kelowna Airport	Kelowna	BC
4965	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Cranbrook Airport	Cranbrook	BC
4966	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Fort McMurray Airport	Fort McMurray	AB
4969	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Grande Prairie Airport	Grande Prairie	AB
4970	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Lethbridge Airport	Lethbridge	AB
5115	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Regina Airport	Regina	SK
5116	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Castlegar Airport	Castlegar	BC
5117	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Smithers Airport	Smithers	BC
5118	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Kamloops Airport	Kamloops	BC
5294	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Prince Rupert Airport	Prince Rupert	BC
5295	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Terrace Airport	Terrace	BC
5296	45	Canadian Regional Airlines dba Air Canada Regional Inc.	Prince George Airport	Prince George	BC
4399	27	Canadian Technical Tape	Montréal Plant	Saint-Laurent	QC
4400	27	Canadian Technical Tape	Cornwall Plant	Cornwall	ON
2556	31	Canadian Timken Limited	St. Thomas Bearing Plant	St. Thomas	ON
5860	49	Canadian Waste Services Inc.	SWARU Incinerator	Hamilton	ON
4785	30	Canam Steel Works	Mississauga	Mississauga	ON

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
4946	30	Canam Steel Works	Calgary	Calgary	AB
0159	10	CanAmera Foods - Altona	Altona Plant	Altona	MB
4468	10	CanAmera Foods - Fort Saskatchewan	Fort Saskatchewan Plant	Fort Saskatchewan	AB
0161	10	CanAmera Foods - Hamilton	Hamilton Plant	Hamilton	ON
4896	10	CanAmera Foods - Harrowby	Harrowby Plant	Harrowby	MB
0165	10	CanAmera Foods - Montréal	Montréal Plant	Montréal	QC
0163	10	CanAmera Foods - Nipawin	Nipawin Plant	Nipawin	SK
0167	10	CanAmera Foods - Toronto	Toronto Plant	Toronto	ON
0169	10	CanAmera Foods - Wainwright	Wainwright Plant	Wainwright	AB
4829	10	Canbra Foods Ltd.		Lethbridge	AB
4571	37	Canbro Inc.		Valleyfield	QC
5357	37	Cancarb Limited	Cancarb	Medicine Hat	AB
4711	55	Cancore Industries Inc.		Hamilton	ON
4063	27	Canfor	Prince George Pulp & Paper Mills	Prince George	BC
4319	16	Canplast Inc.	Canplast	Saint-Léonard	QC
0818	16	CANUSA-CPS, A ShawCor Company	Huntsville	Huntsville	ON
0664	30	Canvil, Division of Mueller Canada Ltd.	Canvil	Simcoe	ON
5529	30	Canwest Galvanize	Canwest	Winnipeg	MB
4568	06	Canzinc Ltd.	Nanisivik Mine	Nanisivik	NU
5022	83	Cape Breton Regional Municipality	Cape Breton Regional Incinerator	Sydney	NS
4613	37	Capo Industries Ltd.		Burlington	ON
3182	35	Carborundum Abrasives North America	Carborundum Abrasives Inc.	Plattsville	ON
4480	49	Cardinal Power of Canada, L.P.		Cardinal	ON
5235	10	Cargill Foods		High River	AB
5274	10	Cargill Limited	Clavet, Saskatchewan	Clavet	SK
0479	05	Cariboo Pulp and Paper Co.		Quesnel	BC
2567	16	Carpenter Canada Co.		Woodbridge	ON
0152	16	Carpenter Canada Co.	Calgary Division	Calgary	AB
1192	27	Cascades Inc.	Désencrage C.M.D.	Cap-de-la-Madeleine	QC
3875	27	Cascades Inc.	Cascades East Angus Inc.	East Angus	QC
5530	27	Cascades Inc.	Désencrage C.M.D. Inc.	Cap-de-la-Madeleine	QC
0177	27	Casco Impregnated Papers, Inc.		Cobourg	ON
2695	10	Casco Inc.	Port Colborne Plant	Port Colborne	ON
0485	10	Casco Inc.	London Plant	London	ON
0488	10	Casco Inc.	Cardinal Plant	Cardinal	ON
4645	29	Cash Mould & Castings Ltd.		London	ON
5057	83	Castor River South		Castor River South	NF
2410	36	Castrol Canada Inc.		Toronto	ON
5026	83	Catalina	Incinerator	Catalina	NF
4650	37	Catalyst Recovery Canada Ltd.	CRCL	Medicine Hat	AB
4731	30	Catelectric-Dip		Scarborough	ON
4875	10	Cavendish Farms	Cavendish Farms / New Annan	New Annan	PE
0179	37	CCL Custom Manufacturing, Rexdale Plant	Plant #1	Etobicoke	ON
0181	37	CCL Custom Manufacturing, Rexdale Plant	Plant #2	Etobicoke	ON
1553	39	CCL Industries Inc.	KG Packaging	Concord	ON
0092	30	CCL Industries Inc.	CCL Container Aerosol Div. Penetang	Penetanguishene	ON
0183	27	CDM Papiers Décors Inc.	CDM Papiers décors	Drummondville	QC
5275	99	CEDA-Reactor Ltd.	Edmonton	Edmonton	AB
5391	99	CEDA-Reactor Ltd.	Fort McMurray	Fort McMurray	AB
1165	47	Celanese Canada Inc.	Weston Terminal	North York	ON
1162	37	Celanese Canada Inc.	Edmonton Facility	Edmonton	AB
1169	33	Celestica International Inc.	Toronto Site	Toronto	ON



## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
0672	27	Celgar Pulp Co. (in bankruptcy)	Celgar Pulp	Castlegar	BC
0191	30	CenterLine (Windsor) Ltd.	Electrodes Division	Windsor	ON
4642	30	Central Wire Industries Ltd.		Perth	ON
4786	30	Centre de Placage Technique C.P. Tech Inc.		Saint-Laurent	QC
5304	37	Champion Technologies Ltd.	Calgary Plant	Calgary	AB
5431	17	Chaussures H.H. Brown (Canada) Ltée		Richmond	QC
5298	99	Chem-Est Industries Ltd.	Estevan	Estevan	SK
0679	37	Chembond Limited		Brampton	ON
5303	37	Chemcraft International Inc.	Winnipeg	Winnipeg	MB
5619	37	Chemcraft International Inc.	Port Hope	Port Hope	ON
0193	37	Chemcraft Mfg. B.C. Ltd.	Chemcraft Mfg. B.C. Ltd.	New Westminster	BC
4764	37	Chemetall Oakite		Bramalea	ON
1951	37	Chemfil Canada Ltd.		Windsor	ON
5895	37	Chemque, Inc.	Rexdale Facility	Toronto	ON
2413	37	Chemrec Inc.	Chemrec	Cowansville	QC
5158	25	Chetwynd Forest Industries	Chetwynd Sawmill	Chetwynd	BC
2776	36	Chevron Canada Limited		Burnaby	BC
5222	07	Chevron Canada Resources	Chinchaga Sour Gas Plant	c/o Calgary	AB
0683	07	Chevron Canada Resources	Kaybob South #3 Gas Plant	Fox Creek	AB
0686	07	Chevron Canada Resources	Acheson Sour Gas Plant	Spruce Grove	AB
0689	07	Chevron Canada Resources	West Pembina Sour Gas Plant	Drayton Valley	AB
0695	07	Chevron Canada Resources	Mituse Gas Plant	Slave Lake	AB
0698	07	Chevron Canada Resources	Fort Saskatchewan Plant	Fort Saskatchewan	AB
5833	39	Chicopee Manufacturing Limited		Kitchener	ON
0494	37	Chinook Group Limited	Sombra Operations	Sombra	ON
4375	37	Christie Group Ltd.		Saint-Eustache	QC
5903	30	Chromeshield Co.	Plant #1	Windsor	ON
1172	29	CHT Steel Company Ltd.		Richmond Hill	ON
5706	37	Ciba Specialty Chemicals Canada Inc.	Additives	Mississauga	ON
5548	35	Ciment Québec Inc.	Cimenterie de Saint-Basile	Saint-Basile-de-Portneuf	QC
5544	35	Ciment St-Laurent	Usine de Joliette	Joliette	QC
4485	39	Cinram International Inc.	Cinram Audio Center	Scarborough	ON
5307	49	City of Calgary - Wastewater & Drainage	Shepard Lagoons - Calgro	Calgary	AB
5308	49	City of Calgary - Wastewater & Drainage	Bonnybrook Wastewater Treatment Plant	Calgary	AB
5309	49	City of Calgary - Wastewater & Drainage	Fish Creek Wastewater Treatment Plant	Calgary	AB
5390	49	City of Edmonton	Gold Bar Wastewater Treatment Plant	Edmonton	AB
5380	49	City of Grande Prairie	Water and Wastewater Treatment Plant	Grande Prairie	AB
4743	49	City of London	Greenway Pollution Control Centre	London	ON
5790	49	City of London	W12A Landfill	London	ON
2749	49	City of Medicine Hat	Wastewater Treatment Plant	Medicine Hat	AB
4728	49	City of Ottawa	Britannia Water Purification Plant	Ottawa	ON
4754	49	City of Ottawa	Lemieux Island Water Purification Plant	Ottawa	ON
4773	83	City of Ottawa	Traffic Operations Division	Ottawa	ON
0770	49	City of Ottawa	Robert O. Pickard Environmental Centre	Ottawa	ON
5164	49	City of Penticton	Advanced Wastewater Treatment Plant	Penticton	BC
0201	49	City of Peterborough W.W.T.P.	PTBO Wastewater Treatment Plant	Peterborough	ON
5187	83	City of Prince Rupert	Public Works	Prince Rupert	BC
4779	99	City of Sarnia Inc.	Water Pollution Control Centre	Sarnia	ON



**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
5347	49	City of Saskatoon	Wastewater Treatment Plant	Saskatoon	SK
5348	49	City of Saskatoon	Biosolids Dewatering Facility	Saskatoon	SK
5349	49	City of Saskatoon	Water Treatment Plant	Saskatoon	SK
0203	41	City of Thunder Bay	Bare Point Water Treatment Plant	Thunder Bay	ON
0204	41	City of Thunder Bay	Loch Lomond Water Treatment Plant	Thunder Bay	ON
0205	41	City of Thunder Bay	Water Pollution Control Plant	Thunder Bay	ON
2238	83	City of Toronto - Works and Emergency Services	Humber Treatment Plant	Toronto	ON
2240	83	City of Toronto - Works and Emergency Services	Ashbridges Bay Treatment Plant	Toronto	ON
3919	49	City of Toronto - Works and Emergency Services	R.L. Clark Filtration Plant	Toronto	ON
3921	41	City of Toronto - Works and Emergency Services	F.J. Horgan Filtration Plant	Toronto	ON
3923	41	City of Toronto - Works and Emergency Services	R.C. Harris	Toronto	ON
4435	83	City of Toronto - Works and Emergency Services	Highland Creek Treatment Plant	Toronto	ON
5884	83	City of Toronto - Works and Emergency Services	North Toronto Treatment Plant	Toronto	ON
4755	83	City of Windsor	Little River Pollution Control Plant	Windsor	ON
0495	83	City of Windsor	Lou Romano Water Reclamation Plant	Windsor	ON
5385	83	City of Winnipeg	McPhillips Reservoir	Winnipeg	MB
5386	83	City of Winnipeg	North End Water Pollution Control Centre (NEWPCC)	Winnipeg	MB
5387	83	City of Winnipeg	South End Water Pollution Control Centre (SEWPCC)	Winnipeg	MB
5388	83	City of Winnipeg	West End Water Pollution Control Centre (WEWPCC)	Winnipeg	MB
0801	37	Clariant (Canada) Inc. Masterbatches Division	Clariant Mississauga	Mississauga	ON
5201	37	ClearTech		Edmonton	AB
5214	37	ClearTech Industries Inc.	Corman Park	Saskatoon	SK
3426	37	Cloverdale Paint Inc.		Surrey	BC
3427	37	Cloverdale Paint Inc.	Edmonton Factory	Edmonton	AB
3026	29	CO-EX-TEC Industries		Concord	ON
3824	29	Co-Steel Lasco		Whitby	ON
2545	30	Coatings 85 Ltd.		Mississauga	ON
4584	11	Coca-Cola Bottling Company	Winnipeg	Winnipeg	MB
4585	11	Coca-Cola Bottling Company	Richmond	Richmond	BC
4586	11	Coca-Cola Bottling Company	Calgary	Calgary	AB
4581	11	Coca-Cola Bottling, Ltd.	Thorncliffe	Toronto	ON
4582	11	Coca-Cola Bottling, Ltd.	Downsview	Downsview	ON
4583	11	Coca-Cola Bottling, Ltd.	Weston	Weston	ON
4587	11	Coca-Cola Bottling, Ltd.	Trois-Rivières	Trois-Rivières	QC
4588	11	Coca-Cola Bottling, Ltd.	Lachine	Lachine	QC
1773	49	Cochrane Power Corp.	Cochrane Generating Station	Cochrane	ON
4866	06	COGEMA Resources Inc.	McClellan Lake Operation	Saskatoon	SK
3348	06	COGEMA Resources Inc.	Cluff Lake Project	Saskatoon	SK
0384	37	Cognis Canada Corporation	Toronto Plant	Toronto	ON
4488	31	Coldmatic Refrigeration Ltd.	Concord Plant & Offices	Concord	ON
0500	37	Colgate Palmolive Canada Inc.	Colgate Palmolive Toronto Canada	Toronto	ON
0502	37	Colgate Palmolive Canada Inc.	Colgate Palmolive Edmonton Canada Inc.	Edmonton	AB
0504	37	Colgate Palmolive Canada Inc.	Colgate Palmolive Moncton Canada Inc.	Moncton	NB

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
5810	37	Colgate Palmolive Canada Inc.	Mississauga	Mississauga	ON
2623	32	Collins & Aikman	Kitchener - Plant 1	Kitchener	ON
2626	32	Collins & Aikman	Kitchener - Plant 2	Kitchener	ON
5925	32	Collins & Aikman	Scarborough	Scarborough	ON
5512	19	Collins & Aikman Canada Inc.	Usine de Lacolle	Lacolle	QC
4523	32	Collins & Aikman Plastics Ltd.	Stratford	Stratford	ON
5676	16	Collins & Aikman Plastics Ltd.	Gananoque Division	Gananoque	ON
4544	16	Colorite Plastics (formerly RCR International)		Mississauga	ON
0207	16	Colortech Inc.	Brampton Plant	Brampton	ON
4033	16	Columbia Foam, Inc.		Richmond	BC
2660	37	Columbian Chemicals Canada Ltd.	Hamilton Plant	Hamilton	ON
5155	30	Columbus McKinnon Ltd.	Lister Bolt and Chain	Richmond	BC
5789	30	Columbus Metal Finishing Ltd.		Mississauga	ON
3747	06	Cominco Ltd.	Polaris Mine	Polaris	NU
3802	29	Cominco Ltd.	Trail Operations	Trail	BC
3907	06	Cominco Ltd.	Cominco Ltd. Sullivan Concentrator	Kimberley	BC
5739	37	Commercial Alcohols Inc.	Chatham	Chatham	ON
0209	37	Commercial Alcohols Inc.	Tiverton	Tiverton	ON
0210	37	Commercial Alcohols Inc.	Brampton	Brampton	ON
3571	49	Communauté urbaine de Montréal	Station d'épuration des eaux usées	Montréal	QC
0211	49	Communauté urbaine de Québec	Incinérateur régional	Québec	QC
4336	39	Compagnie J.J. Barker Ltée		Cowansville	QC
4068	27	Compagnie de papiers Stadacona Ltée	Usine de Québec	Québec	QC
5036	83	Conception Bay North, Harbour Grace	Conception Bay North Incinerator Association	Harbour Grace	NF
3752	07	Conoco Canada Limited	Conoco Canada Midstream - Empress Plant	Burstall	SK
5389	07	Conoco Canada Limited	Conoco Peco Plant	Edson	AB
4734	19	Consoltex Inc.	Alexandria Plant	Alexandria	ON
0514	35	Consumers Glass	Lavington	Lavington	BC
0517	35	Consumers Glass	Brampton	Brampton	ON
0520	35	Consumers Glass	Scoudouc	Scoudouc	NB
4048	36	Consumers' Co-operative Refineries Ltd./NewGrade Energy Inc.	Refinery/Upgrader Complex	Regina	SK
4545	30	Copperweld Canada Inc.	Automotive Group Canadian Operations	Woodstock	ON
1993	33	Coretec Inc.	Plant 1	Scarborough	ON
4502	33	Coretec Inc.	Plant 2	Scarborough	ON
4929	27	Corner Brook Pulp & Paper Limited		Corner Brook	NF
4984	30	Corporation Corbec, La	Division Québec	Québec	QC
4988	30	Corporation Corbec, La	Division Montréal	Lachine	QC
5464	06	Corporation Minière Inmet, Division Troilus	Mine Troilus	Chibougamau	QC
5359	81	Corrections Canada	Bowden Institution	Innisfail	AB
2044	39	Corus L.P.	CCD	Toronto	ON
0796	29	Corus S.E.C.		Cap-de-la-Madeleine	QC
4878	11	Cott Beverages Canada	Calgary	Calgary	AB
4877	11	Cott Beverages Canada	Cott Beverages Atlantic	Scoudouc	NB
0215	44	Court Galvanizing Ltd.	Guelph Plant	Guelph	ON
5652	25	Coventry Forest Products Inc.		Bolton	ON
0851	25	CP Loewen Enterprises	Loewen Windows	Steinbach	MB
4391	16	CPF Dualam Inc.	Montréal	Montréal	QC
4490	30	Crane Valve Group	Brantford Plant	Brantford	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
2322	37	Crompton Co.	Elmira	Elmira	ON
3553	36	Crompton Co./Cie	West Hill Plant	Scarborough	ON
3556	36	Crompton Co./Cie	Upton Road Plant	Scarborough	ON
0547	37	Crown Chemical Products Inc.		Mississauga	ON
3213	30	Crown Cork & Seal Canada	Crown Cork & Seal Canada - Plt.233	Concord	ON
3216	30	Crown Cork & Seal Canada Inc.	Crown Cork & Seal Canada Inc. - Plt.244	Concord	ON
0538	30	Crown Cork & Seal Canada Inc.	Crown Cork & Seal Canada Inc. - Plt.245	Weston	ON
0544	30	Crown Cork & Seal Canada Inc.	Plant 257 Chatham	Chatham	ON
0557	30	Crown Cork & Seal Canada Inc.	Crown Cork & Seal Canada Inc. - Plt.235	Calgary	AB
0554	30	Crown Cork & Seal Canada Inc.	Crown Cork & Seal Canda Inc. - Plt.234	Montréal	QC
5886	16	Crown Group	Crown Group Bracebridge Plant	Bracebridge	ON
5418	26	Cuisine Cabi-Plus Inc.		Coaticook	QC
4787	26	Cuisine Cabico Inc.		Ayers Cliff	QC
5465	26	Cuisine Frontière Inc.		Coaticook	QC
5216	30	Custom Castings Ltd.		Winnipeg	MB
5208	99	Custom Environmental Services Ltd.	Edmonton Waste Brokerage Facility	Edmonton	AB
5845	16	Custom Foam Systems Ltd.		Kitchener	ON
5253	33	Cutler-Hammer	Low Voltage Control Assemblies	Airdrie	AB
0222	37	Cytec Canada Inc.	Welland Plant	Niagara Falls	ON
2550	36	D.A. Stuart Inc.		Scarborough	ON
5016	45	D.P. Waste Disposal Ltd.	Halifax International Airport Facility	Elmsdale	NS
3424	30	DAAM Galvanizing Inc.		Edmonton	AB
3478	32	DaimlerChrysler Canada, Inc.	Pillette Road Truck Assembly Plant	Windsor	ON
4173	32	DaimlerChrysler Canada, Inc.	Brampton Assembly Plant	Brampton	ON
0199	29	DaimlerChrysler Canada, Inc.	Etobicoke Casting Plant	Toronto	ON
3476	32	DaimlerChrysler Corporation	Windsor Assembly Plant	Windsor	ON
5507	10	Dairyland Fluid Division Limited	Annacis Plant	Delta	BC
5292	10	Dairyland Fluid Division Limited	Saskatoon Plant	Saskatoon	SK
5508	10	Dairyland Fluid Division Limited	Burnaby Sperling Plant	Burnaby	BC
0223	27	Daishowa-Marubeni International	Peace River Pulp Division	MD of Northern Lights	AB
2754	10	Dallaire Spécialités		Rouyn-Noranda	QC
5812	29	Dana - Brake Parts Canada Inc.	St. Catharines Facility	St. Catharines	ON
1583	32	Dana - Long Manufacturing	Long Manufacturing	Mississauga	ON
5735	55	Dana Brake Parts Canada Inc.	BPCI Mississauga	Mississauga	ON
3192	30	Dana Canada Inc.	Cambridge-Wix Filtration Products Division	Cambridge	ON
4737	32	Dana Canada Inc.	Barrie Axle Plant	Barrie	ON
4504	30	Dana Canada Inc.	Weatherhead Plant	St. Thomas	ON
5637	30	Dana Canada Inc.	Parish Light Vehicle Structures Division	St. Marys	ON
5665	32	Dana Canada Inc.	Structural Solutions Division - Thorold	Thorold	ON
0376	32	Dana Canada Inc., Spicer Driveshaft Division	Thorold Plant	Thorold	ON
5727	55	Dana Corporation	Long Manufacturing	Mount Forest	ON
0717	32	Dana Corporation / Long Manufacturing	Long Manufacturing	Cambridge	ON
0225	29	Daymond Aluminum		Chatham	ON
4520	55	DDM Plastics Company	DDM Plastics	Tillsonburg	ON
5130	05	Decker Lake Forest Products Ltd.		Burns Lake	BC
2687	32	Deco Automotive		Rexdale	ON
5917	32	Decoma Exterior Trim Inc.	Anotech	Concord	ON
5310	25	Decor Cabinets Ltd.		Morden	MB

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC Code	Company Name	Facility Name	City	Prov./Terr.
3850	29	Decor Products International		Midland	ON
0250	37	Degussa Canada Inc.	Gibbons Site	Gibbons	AB
3430	37	Degussa-Hüls Canada Inc.	Brampton	Brampton	ON
3433	37	Degussa-Hüls Canada Inc.	Leaside	Toronto	ON
2722	30	Delhi Industries	Brantford Plant	Brantford	ON
0231	30	Delhi Industries Inc.	Delhi Plant	Delhi	ON
3646	30	Delta Faucet Canada		London	ON
4899	28	Deluxe Toronto Ltd.		Toronto	ON
4343	37	Demilec Inc.	Manufacture de systèmes d'uréthane (liquide)	Boisbriand	QC
5926	55	Depco International	Rexdale/Toronto Division	Toronto	ON
5929	55	Depco International	Northwest Division	Mississauga	ON
3143	32	Derlan Aerospace Canada	Cambridge Facility	Cambridge	ON
5944	32	Derlan Aerospace Canada	Milton Facility	Milton	ON
4594	25	Descor Industries Inc.		Markham	ON
5891	29	Designed Precision Castings Inc.		Brampton	ON
5938	25	Devlin Timber Company (1992) Limited		Kenora	ON
0577	37	Dextran Products Limited		Toronto	ON
2421	37	Diagnostic Chemicals Limited	Douglas J Hennessey Biochemical Centre	Charlottetown	PE
4384	37	Dilmont Inc.		Montréal	QC
5428	39	Disque Améric Inc.	Drummondville	Drummondville	QC
2745	37	DiverseyLever	London	London	ON
4450	37	DiverseyLever	Edmonton	Edmonton	AB
0594	37	DiverseyLever	Candiac	Candiac	QC
5218	29	Dixon Bayco Limited		Winnipeg	MB
4438	37	DMC-2 Canada Corporation	Burlington Automotive Catalyst Manufacturer	Burlington	ON
0276	29	DNN Galvanizing		Windsor	ON
3713	29	Dofasco Inc.	Dofasco Hamilton	Hamilton	ON
2420	39	Domco Tarkett Inc.	Domco Tarkett	Farnham	QC
4338	29	Domfer Poudres Metalliques Ltée	Usine de LaSalle	LaSalle	QC
2601	16	Domfoam International Inc.	Domfoam	Saint-Léonard	QC
4739	29	Dominion Castings Ltd.		Hamilton	ON
1495	37	Dominion Colour Corporation	Ajax Plant	Ajax	ON
1497	37	Dominion Colour Corporation	New Toronto Plant	Toronto	ON
5935	37	Dominion Colour Corporation	Bromont Plant	Bromont	QC
5300	17	Dominion Tanners		Winnipeg	MB
5299	17	Dominion Tanners Edmonton		Edmonton	AB
0279	27	Domtar Inc.	Usine Norkraft, Lebel-sur-Quévillon	Lebel-sur-Quévillon	QC
3185	27	Domtar Inc.	Domtar Inc., Eddy Specialty Papers, Espanola Division	Espanola	ON
1980	27	Domtar Inc.	Ottawa/Hull Mill	Ottawa	ON
5106	27	Domtar Inc.	Vancouver Mill	Delta	BC
1197	27	Domtar Papers	Cornwall Business Unit	Cornwall	ON
4495	33	Domtech Inc.		Trenton	ON
5144	25	Donohue Forest Products Inc.	Wood Products Division	Mackenzie	BC
5105	27	Donohue Forest Products Inc.	Mackenzie Paper Division	Mackenzie	BC
0775	27	Donohue Forest Products Inc.	Thorold Sector	Thorold	ON
3828	27	Donohue Inc.	Produits forestiers Donohue Inc. Usine d'Amos	Amos	QC
0245	27	Dopaco Canada Inc.		Brampton	ON
4396	37	Dorset Industrial Chemicals Ltd .	Dorset Industrial Chemicals Ltd.	Chateauguay	QC
2576	32	Dortec Industries		Newmarket	ON
4717	29	Douglas Barwick Inc.	Brockville	Brockville	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./Terr.
4736	10	Dover Flour Mills	Cambridge	Cambridge	ON
2602	30	Dovercourt Electroplating Co. Ltd.		Toronto	ON
3146	37	Dow Chemical Canada Inc.	Dow Chemical Canada Inc. - Sarnia	Sarnia	ON
0281	16	Dow Chemical Canada Inc.	Varenes Site	Varenes	QC
0282	16	Dow Chemical Canada Inc.	Dow Chemical Canada Inc. - Weston	Weston	ON
4646	37	Dow Chemical Canada Inc.	West Coast Distribution Centre	North Vancouver	BC
0280	37	Dow Chemical Canada Inc.	Western Canada Operations	Fort Saskatchewan	AB
3951	32	Downsview Stampings		Concord	ON
5423	56	Duchesne et Fils Ltée		Yamachiche	QC
5337	07	Duke Energy Midstream Services Canada Ltd.	Nevis Gas Plant	Stettler	AB
5247	07	Duke Energy Midstream Services Canada Ltd.	Gordondale Gas Plant	Spirit River	AB
0284	37	Duochem Inc.		Boucherville	QC
1205	37	DuPont Canada Inc.	St. Clair River Site - Modified Polymers	Corunna	ON
1207	37	DuPont Canada Inc.	Maitland Site	Maitland	ON
3422	18	DuPont Canada Inc.	Kingston Site	Kingston	ON
0286	37	DuPont Canada Inc.	Ajax Performance Coatings Division	Ajax	ON
4598	30	Dura Chrome Ltd.	Dura Chrome / Plant 1	Wallaceburg	ON
3122	15	Dura Undercushions Ltd.		Mont-Royal	QC
4496	15	Durabla Canada Ltd.	Belleville, Ontario	Belleville	ON
0252	37	Dural div Multibond	Dural Plant div Multibond.	Dorval	QC
0656	37	Durez Canada Company Ltd.	Fort Erie	Fort Erie	ON
5897	26	Durham Furniture	Durham Facility	Durham	ON
0253	37	Duro-Kote Ltée		Laval	QC
0254	37	Duro-Lak Inc.		Laval	QC
0256	37	Dustbane Products Ltd.	Dustbane Products - Chemical Division	Ottawa	ON
5426	26	Dutailier Inc.	Usine de fabrication de chaises en bois	Saint-Pie-de-Bagot	QC
0259	37	Dutch Chemicals Inc.		Weston	ON
5932	32	Dyna-Mig Mfg. of Stratford Inc.	Dyna-Mig	Stratford	ON
3090	33	Dynamic & Proto Circuits Inc.		Stoney Creek	ON
5311	26	Dynamic Furniture Corp.		Calgary	AB
0653	07	Dynegy Midstream Services	Mazeppa Gas Processing Facility	Mazeppa	AB
2791	37	Dyno Nobel Ltd, Mont-Wright	Dyno Nobel Ltd Plant, Mont-Wright	Fermont	QC
5132	33	E-One Moli Energy (Canada) Limited	Moli Energy - Maple Ridge	Maple Ridge	BC
4630	33	Eagle Electric of Canada Ltd.		Toronto	ON
0308	37	Eaglebrook Inc. du Canada		Varenes	QC
4836	16	East Coast Converters Limited	Donovans Branch	Mount Pearl	NF
5372	01	East-Man Feeds	Red Deer Branch	Red Deer	AB
5373	01	East-Man Feeds	Steinbach Branch	Steinbach	MB
5010	37	Eastern Environmental Services Ltd.		Sussex	NB
3545	25	Eastern Wood Preservers		Cambridge	ON
4497	37	Eastman Chemical Canada Inc.		Toronto	ON
1508	06	Echo Bay Mines Ltd.	Lupin Gold Mine (mill)	Contwoyto Lake	NU
0264	37	Ecolab Ltd.	Nuvik Plant	Mississauga	ON
4563	41	Edmonton Power Inc.	Rossdale Thermal Generating Station	Edmonton	AB
0267	41	Edmonton Power Inc.	Genesee Thermal Generating Station	Warburg	AB
0269	41	Edmonton Power Inc.	Clover Bar Thermal Generating Station	Edmonton	AB
4498	26	Egan Visual Inc.		Woodbridge	ON
4509	30	EGS Easy Heat Ltd.		Waterloo	ON
3382	37	EKA Chimie Canada	Usine de Valleyfield	Valleyfield	QC
0302	37	EKA Chime Canada Inc.	Usine de Magog	Magog	QC
5803	16	Elastocraft Ltd.		Mississauga	ON
4560	39	Electrical Contacts Limited		Hanover	ON
4363	30	Electro Finition		LaSalle	QC

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
4503	32	ElringKlinger Sealing Systems		Leamington	ON
5408	16	Emballage JT		Montréal	QC
5407	16	Emballage St-Jean Ltée	Usine de Saint-Jean-sur-Richelieu	Saint-Jean-sur-Richelieu	QC
0271	27	Emballages Smurfit-Stone Canada Inc.	Division Pontiac	Portage-du-Fort	QC
3140	27	Emballages Smurfit-Stone Canada Inc.	Usine de La Tuque	La Tuque	QC
3292	27	Emballages Smurfit-Stone Canada Inc.	Usine Chaleur	New Richmond	QC
5406	27	Emballages Smurfit-Stone Canada Inc.	Usine de Matane	Matane	QC
0311	39	Endura Manufacturing Company Ltd.	Endura Manufacturing	Edmonton	AB
2698	30	Enduro-Niagara, Ltd.		Town of Lincoln (Bamsville)	ON
4721	37	Enerchem International Inc.	Plant, Technical Centre, Head Office	Nisku	AB
0274	59	Energetic Metals Incorporated		Stevensville (Fort Erie)	ON
4933	16	Enerlab 2000 Inc.	St-Mathieu de Beloeil	Saint-Mathieu-de-Beloeil	QC
5342	49	EPCOR Water Services	Canmore Wastewater Treatment Plant	Canmore	AB
3910	49	EPCOR Water Services	Rosssdale Water Treatment Plants	Edmonton	AB
3912	49	EPCOR Water Services	E.L. Smith Water Treatment Plant	Edmonton	AB
5341	49	EPCOR Water Services	Canmore Waterworks Pumphouse #1	Canmore	AB
5343	49	EPCOR Water Services	Canmore Waterworks Pumphouse #2	Canmore	AB
6508	49	EPCOR Water Services	Strathmore Wastewater Facilities	Strathmore	AB
6509	49	EPCOR Water Services	Strathmore WaterWorks	Strathmore	AB
5831	15	Escalator Handrail Company	Oshawa	Oshawa	ON
0606	29	Esco Limited		Port Coquitlam	BC
0315	29	Esco Limited	PHO Foundry	Port Hope	ON
3886	32	Essex Manufacturing	Essex Engine Plant	Windsor	ON
3273	37	Essex Specialty Products, Inc., Canada	Essex Specialty Products, Inc., Canada - London	London	ON
3541	35	ESSROC Canada Inc.	Picton	Picton	ON
2734	37	Ethyl Canada Inc.	Ethyl Canada Inc. - Corunna Site	Corunna	ON
0319	37	ETI Canada Inc.	North Bay Site	North Bay	ON
0612	41	Euclid-Hitachi Heavy Equipment Ltd.		Guelph	ON
3171	27	Eurocan Pulp and Paper Company	Eurocan Pulp and Paper	Kitimat	BC
4469	33	Exide Canada Inc.		Maple	ON
5034	83	Exploits Regional Services Board	Exploits Regional Solid Waste Disposal Site	Grand Falls-Windsor	NF
3933	07	ExxonMobil Canada Ltd.	East Rainbow Gas Plant	Rainbow Lake	AB
3935	07	ExxonMobil Canada Ltd.	Sierra Gas Plant	NA/SO	BC
3937	07	ExxonMobil Canada Ltd.	Carson Creek Cycling Plant	Whitcourt	AB
3939	07	ExxonMobil Canada Ltd.	Lone Pine Creek Gas Plant	Carstairs	AB
4537	32	F & P Mfg., Inc.		Tottenham	ON
4790	27	F.F. Soucy Inc.		Rivière-du-Loup	QC
5536	27	Fabrication de boîtes pliantes	Industries Ling	Warwick	QC
5876	31	FAG Bearings Ltd. Aerospace Division	FAG Aerospace	Stratford	ON
4499	31	FAG Bearings Ltd.	Stratford	Stratford	ON
5234	30	Falcon Machinery(1965) Ltd.		Winnipeg	MB
1233	06	Falconbridge Limited	Strathcona Mill	Onaping	ON
1236	29	Falconbridge Limited	Smelter Complex	Falconbridge	ON
5448	06	Falconbridge Limited	Société minière Raglan	Rouyn-Noranda	QC
2815	29	Falconbridge Limited - Kidd Metallurgical Div.	Kidd Metallurgical Site	Timmins / District of Cochrane	ON
5946	39	Federal White Cement	Woodstock Plant	Woodstock	ON
5272	10	Federated Co-operatives Limited	Co-op Feeds Calgary	Calgary	AB
0330	39	Ferox Inc. / Laques International Inc.	Usine d'Anjou	Anjou	QC
1882	35	Fibrex Insulations Inc.	Sarnia Plant	Sarnia	ON
1260	37	Fielding Chemical Technologies Inc.		Mississauga	ON
5800	26	Fileco Inc.		Concord	ON
5701	37	Finnan Engineered Products	Drew Canada	Scarborough	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./Terr.
5750	33	Firan Technology Group Inc.	Graphico Precision	Scarborough	ON
2744	29	Fisher Cast Limited	Otonabee Plant	Peterborough	ON
4608	29	Fisher Gauge Limited	Trent Plant	Peterborough	ON
4842	25	Flakeboard Company Limited	Flakeboard	St. Stephen	NB
4990	32	Fleet Industries Ltd.		Fort Erie	ON
5937	26	Fleetwood Fine Furniture Inc.		Toronto	ON
5276	31	Flexi-Coil	Saskatoon Plant	Saskatoon	SK
4465	28	Flexible Packaging Company		Scarborough	ON
5916	39	Flexible Products Company of Canada, Inc.	Flexible Products Company of Canada, Inc. - Milton	Milton	ON
3890	39	Flextile Ltd.		Toronto	ON
0711	37	Flint Ink Corporation	Concord Facility	Concord	ON
5256	37	Flint Ink North America Corporation	Winnipeg Facility	Winnipeg	MB
3272	37	FMC of Canada Limited	FMC of Canada Limited Prince George	Prince George	BC
5466	16	Foamex	Foamex Canada Inc.	Montréal	QC
2422	16	Foamex Canada Inc.	Foamex Toronto	Toronto	ON
4330	29	Fonderie Bibby Ste-Croix, Division de Canada Pipe Company Ltd.		Sainte-Croix	QC
5545	29	Fonderie Grand-Mère, Division de Canada Pipe Company Ltd.		Grand-Mère	QC
0188	35	Fonderie Générale du Canada		Lachine	QC
4331	29	Fonderie Laperle, Division de Canada Pipe Company Ltd.		Saint-Ours	QC
4577	29	Fonderie St-Romuald Inc.	Fonderie Saint-Romuald	Saint-Romuald	QC
4371	31	Fonderies Canadiennes d'Acier Ltée	Fonderie de Montréal	Montréal	QC
5313	29	Foothills Steel Foundry Ltd.	Foothills Steel Foundry	Calgary	AB
1215	32	Ford Motor Company	Ontario Truck Plant	Oakville	ON
3416	29	Ford Motor Company	Windsor Casting Plant	Windsor	ON
3419	32	Ford Motor Company	Oakville Assembly Plant	Oakville	ON
3883	32	Ford Motor Company	St. Thomas Assembly Plant	St. Thomas	ON
4781	32	Ford of Canada	Windsor Engine Plant	Windsor/Essex	ON
5725	32	Formet Industries		St. Thomas	ON
4378	27	Formica Canada Inc.		Saint-Jean-sur-Richelieu	QC
4740	32	Formulated Coatings		Brampton	ON
4599	36	Forsythe Lubrication	01	Hamilton	ON
5764	30	Four Star Plating Industries Limited		Weston	ON
5033	83	Francois	Incinerator	Francois	NF
1659	32	Frank Fair Industries Ltd.		Winnipeg	MB
1221	27	Fraser Papers Inc. (Canada)	Edmundston Operations	Edmundston	NB
5912	25	Frendel Kitchens Limited		Mississauga	ON
2536	37	Frontier Printing Inks Limited		Concord	ON
4626	99	Fused Metals Inc.		Gerogetown	ON
5909	25	G-P Flakeboard	Bancroft Plant	Bancroft	ON
5885	25	G-P Flakeboard Company	Sault Ste. Marie Plant	Sault Ste. Marie	ON
2451	37	G.E. Plastics	Cobourg	Cobourg	ON
4854	37	G.F. Thompson Company Limited		Newmarket	ON
4401	37	G.H. Chemicals Ltd.		Saint-Hyacinthe	QC
4576	30	Galvan Metal Inc.		Saint-Léonard	QC
5626	39	Galvcast Manufacturing Inc.		Acton	ON
4500	29	Gamma Foundries Company		Richmond Hill	ON
5874	29	Gamma Foundries Company		Richmond Hill	ON
1274	16	Garaga Inc.	Usine de Saint-Georges-de-Beauce	Saint-Georges	QC
4924	16	Garaga Inc.	Usine de Barrie Ontario	Barrie	ON
1234	30	Garant div. of USI Canada	Garant	Saint-François	QC
5419	18	Garlock du Canada Limitée	Division textile	Sherbrooke	QC



## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC Code (2)	Company Name	Facility Name	City	Prov./ Terr.
5384	16	Garneau Inc.		Camrose	AB
3877	15	Gates Canada Inc.	Belt Manufacturing	Brantford	ON
4423	10	Gay Lea Foods	Gay Lea Foods Guelph	Guelph	ON
3254	32	GE Canada	GE Moteurs d'avions	Bromont	QC
5887	99	GE Canada Inc.	GE Canada, Energy Services	Burlington	ON
1281	33	GE Lighting, Canada	Oakville Lamp Plant	Oakville	ON
1292	37	GE Silicones Canada	CanSpec Facility	Pickering	ON
5101	37	Gemini Packaging Ltd.		Richmond	BC
5367	59	GenAlta Recycling Inc.		Edmonton	AB
0351	15	GenCorp Canada Inc.	GDX Automotive	Welland	ON
1922	33	General Cable Company	St. Jerome Plant	Saint-Jérôme	QC
4905	33	General Cable Company	La Malbaie Plant	La Malbaie	QC
5769	33	General Cable Company	Moose Jaw Plant	Moose Jaw	SK
1290	37	General Chemical Canada Ltd.	Amherstburg Plant	Amherstburg	ON
4347	37	General Chemical Performance Products Ltd.	Valleyfield Plant	Valleyfield	QC
0344	37	General Chemical Performance Products Ltd.	Thorold Plant	Thorold	ON
1287	33	General Electric Canada Inc.	Peterborough	Peterborough	ON
3388	39	General Latex Canada Inc.	General Latex Canada Inc. - Brampton	Brampton	ON
3893	32	General Motors of Canada Limited	Oshawa Car Assembly Plant	Oshawa	ON
3895	32	General Motors of Canada Limited	Ste. Therese Assembly Plant	Boisbriand	QC
3221	33	General Motors of Canada Limited	Delphi Canada Inc., Oshawa Battery	Oshawa	ON
3231	32	General Motors of Canada Limited	St. Catharines - Engine Plant	St. Catharines	ON
3766	32	General Motors of Canada Limited	London Operations	London	ON
3870	32	General Motors of Canada Limited	Oshawa Truck Assembly Centre	Oshawa	ON
4448	32	General Motors of Canada Limited	Oshawa Metal Centre	Oshawa	ON
3227	32	General Motors of Canada Limited	St.Catharines Components Plant	St.Catharines	ON
3229	32	General Motors of Canada Limited	Windsor Transmission Plant	Windsor	ON
5151	39	General Paint		Vancouver	BC
4501	31	General Refrigeration Inc.	Concord Plant & Offices	Concord	ON
3768	59	General Scrap		Winnipeg	MB
2770	30	Genfast Manufacturing Company		Brantford	ON
5872	33	Gennum Corporation	Millennium Building	Burlington	ON
0354	33	Gennum Corporation	Landmark Facility	Burlington	ON
5659	27	Georgia Pacific Canada	Thorold Mill	Thorold	ON
1651	29	Gerdau MRM Steel Inc.	MRM Steel	Selkirk	MB
5246	59	Gerdau MRM Steel Inc.	Mandak Metal Processors	Selkirk	MB
4169	29	Gerdau Steel Inc.	Gerdau Courtice Steel Inc.	Cambridge	ON
1461	63	GKN Sinter Metals	GKN Sinter Metals - St. Thomas	St. Thomas	ON
5610	26	Global Upholstery Co. Inc.	Global Upholstery	Downsview	ON
3266	35	Global-GIX Canada Inc. (Harbison Walker Refractories)	Smithville Plant	Smithville	ON
0358	16	Glopak Inc.	Usine	Montréal	QC
2710	06	Goldcorp Inc.	Red Lake Mine	Balmertown	ON
0359	25	Goodfellow Inc.	Saint-André-d'Argenteuil	Saint-André-d'Argenteuil	QC
0360	25	Goodfellow Inc.	Delson	Delson	QC
5021	25	Goodfellow Inc.	Elmsdale Treatment Plant	Elmsdale	NS
4526	32	Goodrich	Landing Gear Division	Oakville	ON
1316	15	Goodyear Canada Inc.	Goodyear Canada OTR Centre	North Bay	ON
1319	15	Goodyear Canada Inc.	Goodyear - Bowmanville	Bowmanville	ON
2998	15	Goodyear Canada Inc.	Medicine Hat Plant	Medicine Hat	AB
1307	15	Goodyear Canada Inc.	Goodyear Valleyfield	Valleyfield	QC
1325	15	Goodyear Canada Inc.	Usine de Québec	Québec	QC
1310	15	Goodyear Canada Inc.	Owen Sound Plant	Owen Sound	ON



## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./Terr.
1313	15	Goodyear Canada Inc.	Collingwood Hose Plant	Collingwood	ON
1322	15	Goodyear Tire & Rubber Company	Goodyear Canada Inc. Napanee Plant	Napanee	ON
2392	37	Grace Canada, Inc.	Grace Construction Products	Ajax	ON
2395	37	Grace Canada, Inc.	Grace Construction Products	Montréal	QC
5451	37	Grace Canada, Inc.	Grace Construction Products	Edmonton	AB
5452	37	Grace Canada, Inc.	Grace Construction Products	Vancouver	BC
0361	16	Graham Products Ltd.		Inglewood	ON
5445	39	Granirex Inc.	Thetford Mines	Thetford Mines	QC
4559	25	Grant Forest Products Inc.	Englehart Oriented Strand Board Plant	Englehart	ON
5861	25	Grant Forest Products Inc.	Timmins Oriented Strand Board Plant	Timmins	ON
5189	49	Greater Vancouver Regional District	Iona Island Wastewater Treatment Plant	Richmond	BC
1332	49	Greater Vancouver Regional District	Capilano Chlorination	District of North Vancouver	BC
1334	49	Greater Vancouver Regional District	Seymour Chlorination	District of North Vancouver	BC
1336	49	Greater Vancouver Regional District	Coquitlam Chlorination	Coquitlam	BC
0362	49	Greater Vancouver Regional District	Burnaby Refuse Incinerator	Burnaby	BC
1338	49	Greater Vancouver Regional District	Annacis Island Wastewater Treatment Plant	Delta	BC
1340	49	Greater Vancouver Regional District	Lulu Island Wastewater Treatment Plant	Richmond	BC
1342	49	Greater Vancouver Regional District	Lions Gate Wastewater Treatment Plant	West Vancouver	BC
5751	29	Greening Donald Co. Ltd.	Corporate Office / Orangeville Plant	Orangeville	ON
5752	29	Greening Donald Co. Ltd.	Erin Plant	Erin	ON
5035	83	Grey River	Incinerator	Grey River	NF
1344	29	Griffin Canada Inc.		Winnipeg	MB
5644	99	Griffith Micro Science, Inc.	GMS Toronto Plant	Scarborough	ON
0373	37	Groulx-Robertson Ltée	Centre de production et distribution	Pointe-Claire	QC
3248	09	Ground Control (Sudbury) Ltd.		Sudbury	ON
4505	32	Ground Effects Ltd.	Plant #1	Windsor	ON
2978	37	Groupe Alcan Métal primaire	Usine Vaudreuil	Jonquière	QC
5427	10	Groupe Gervais Danone	Danone Inc.	Boucherville	QC
4390	25	Groupe Légaré	Les Industries Légaré Ltée	Saint-Raymond	QC
2409	33	GSW Water Heating Company	GSW	Fergus	ON
1356	37	Guardian Chemicals Inc.		Fort Saskatchewan	AB
4023	35	Guardian Industries Canada Corp.		Rexdale	ON
5689	35	Guardian Industries, Canada Corporation - Fiber Division	Erin Plant	Erin	ON
2454	37	Guertin Bros. Coatings & Sealants Ltd.	Guertin Bros.	Winnipeg	MB
5316	07	Gulf Canada Resources Ltd.	Kerrobert Thermal Heavy Oil Plant	Coleville	SK
5345	07	Gulf Canada Resources Ltd.	Niton Gas Plant	Niton Junction	AB
0536	07	Gulf Canada Resources Ltd.	Wembley Gas Plant	Wembley	AB
5742	30	H&S Heat Treating	Plant 2	Barrie	ON
5713	55	H.E. Vannatter Ltd.	Wallaceburg Facility	Wallaceburg	ON
1406	37	H.L. Blachford Ltd.		Montréal	QC
1407	37	H.L. Blachford Ltd.	Mississauga	Mississauga	ON
4921	19	Hafner Inc.	Usine de transformation	Granby	QC
4838	49	Halifax Regional Water Commission	J. Douglas Kline Water Supply Plant	Hammonds Plains	NS
5007	49	Halifax Regional Water Commission	Lake Major Water Treatment Plant	Cherrybrook	NS
0374	37	Halltech Inc.		Scarborough	ON
0375	39	Harbour Industries (Canada) Ltd. Ltée.		Farnham	QC
5229	30	Harris Steel Services Ltd.		Leduc	AB
5740	32	Harvard Industries, Inc.	Trim Trends Canada Limited	Dundalk	ON
2408	29	Hastings Brass Foundry Ltd.		Vancouver	BC

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
5186	25	Hauer Bros. Lumber Ltd.	Sawmill	Valemount	BC
0380	37	HB Fuller Canada Inc.	Mississauga Facility	Mississauga	ON
5777	37	HCI Canada Inc. (AR06)	Roblyn Bulk Sales Ltd.	Edson	AB
5877	37	HCI Canada Inc. (AR19)	RTL Agri-Services Ltd. (Vauxhall)	Vauxhall	AB
5779	37	HCI Canada Inc. (AR22)	Murray Petro Sales (Brooks)	Brooks	AB
5878	37	HCI Canada Inc. (AR23)	Spongberg Enterprises (Rocky Mountain House)	Rocky Mountain House	AB
5782	37	HCI Canada Inc. (AR27)	Freeman Trucking (Fox Creek)	Fox Creek	AB
5880	37	HCI Canada Inc. (AR29)	Dosco Supply (Red Deer)	Red Deer	AB
5879	37	HCI Canada Inc. (AR37)	Harvest Petroleum (Lethbridge)	Lethbridge	AB
5783	37	HCI Canada Inc. (AR49)	Murray Petroleum Sales (Medicine Hat)	Medicine Hat	AB
5720	37	HCI Canada Inc. (AR77)	Neufeld Holdings	Grande Prairie	AB
5786	37	HCI Canada Inc. (AR84)	Derko's Service Ltd.	Grassland	AB
5788	37	HCI Canada Inc. (AR93)	Strike Oilfield (Drayton)	Drayton Valley	AB
5776	37	HCI Canada Inc. (AS50)	Starfield Terminals (AS50)	Edmonton	AB
2183	37	HCI Canada Inc. (AS55)	Leduc (AS55)	Leduc	AB
2291	37	HCI Canada Inc. (AS65)	Calgary	Calgary	AB
5715	37	HCI Canada Inc. (AW10)	Alpak (Fort Saskatchewan)	Leduc	AB
5773	37	HCI Canada Inc. (BS08)	Langley (BS08)	Langley	BC
2186	37	HCI Canada Inc. (MS54)	Winnipeg (MS54)	Winnipeg	MB
2189	37	HCI Canada Inc. (OS52)	Titan Road, Ontario	Toronto	ON
5772	37	HCI Canada Inc. (OW06)	Cornwall / Conpak (OW06)	Cornwall	ON
5719	37	HCI Canada Inc. (QJ58)	Montank - Montréal Port Facility	Montréal	QC
5775	37	HCI Canada Inc. (QR59)	Servichem Inc. (Sainte-Catherine, QR59)	Sainte-Catherine	QC
5774	37	HCI Canada Inc. (QS08)	Lachine Warehouse (QS08)	Lachine	QC
2195	37	HCI Canada Inc. (QS65)	Saint-Ambroise (QS65)	Montréal	QC
5356	86	Health Sciences Centre		Winnipeg	MB
1388	35	Heckett MultiServ Canada	Plant 8	Hamilton	ON
1391	35	Heckett MultiServ Canada	Plant 14	Hamilton	ON
1394	35	Heckett MultiServ Canada	Plant 17	Nanticoke	ON
1397	35	Heckett MultiServ Canada	Plant 48	Contrecoeur	QC
0383	37	Helmitin Inc.	Helmitin Inc. (Toronto)	Toronto	ON
1401	37	Henkel Canada Corporation	Henkel Surface Technologies	Toronto	ON
1328	37	Hercules Canada (BetzDearborn Division)	Mississauga Plant	Mississauga	ON
0078	37	Hercules Canada (BetzDearborn Division)	Pointe-Claire Plant	Pointe-Claire	QC
0079	37	Hercules Canada (BetzDearborn Division)	Edmonton Plant	Edmonton	AB
5939	32	Hidden Hitch International	HH	Huntsville	ON
3827	03	High Liner Foods Incorporated	Lunenburg Division	Lunenburg	NS
3356	06	Highland Valey Copper Corporation	Highland Valey Copper	Logan Lake	BC
4716	30	Hobart Brothers of Canada - an ITW Canada Company	Hobart Brothers of Canada	Woodstock	ON
5754	30	Holly's Anodizing Service Ltd.		Weston	ON
0393	37	Home Hardware Stores Ltd.	Paint & Home Products Division	Burford	ON
0394	06	Homestake Canada Inc.	Nickel Plate Mine	Above Hedley	BC
5134	06	Homestake Canada Inc.	Eskay Creek Mine	Smithers	BC
0397	32	Honda of Canada Mfg., Div. of Honda Canada Inc.	Alliston Plant 1	Alliston	ON
5744	32	Honda of Canada Mfg., Div. of Honda Canada Inc.	Alliston Plant 2	Alliston	ON
5655	37	Honeywell ASCa Inc.	Amherstburg Plant	Amherstburg	ON

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./Terr.
1088	32	Honeywell ASCa Inc. (Formerly AlliedSignal Canada Inc.)		Stratford	ON
4649	37	Hostmann-Steinberg Limited	Brampton	Brampton	ON
4887	83	Hotz Environmental Services Inc.		Hamilton	ON
4986	37	Houghton Canada Inc.	Toronto Plant	Toronto	ON
1419	27	Howe Sound Pulp and Paper Limited Partnership	Howe Sound Pulp and Paper Mill	Port Mellon	BC
0400	27	Howell Packaging Limited		Burlington	ON
5898	29	Howmet Aluminum Castings Ltd.	Howmet Aluminum Georgetown Casting	Georgetown	ON
5004	10	Hub Meat Packers Ltd.		Moncton	NB
5146	06	Huckleberry Mines Ltd.		Houston	BC
3412	06	Hudson Bay Mining and Smelting Company Ltd.	HBM&S Co., Ltd. - Ruttan Mill	Leaf Rapids	MB
3414	29	Hudson Bay Mining and Smelting Company Ltd.	HBM&S Co., Ltd. - Metallurgical Complex	Flin Flon	MB
3411	06	Hudson Bay Mining and Smelting Company Ltd.	HBM&S Co., Ltd. - Snow Lake Mill	Snow Lake	MB
1422	45	Hudson General Aviation Services Inc.		St. John's	NF
1423	45	Hudson General Aviation Services Inc.		Elmsdale	NS
1426	45	Hudson General Aviation Services Inc.		Gloucester	ON
1427	45	Hudson General Aviation Services Inc.		Mississauga	ON
1428	45	Hudson General Aviation Services Inc.		Calgary	AB
1429	45	Hudson General Aviation Services Inc.		Richmond	BC
5410	45	Hudson General Aviation Services Inc.		Edmonton	AB
5532	45	Hudson General Aviation Services Inc.		Winnipeg	MB
4039	37	Huntsman Chemical Company of Canada Inc.	Mansonville Plant	Mansonville	QC
1436	37	Huntsman Corporation Canada Inc.	Guelph Plant	Guelph	ON
5801	37	Huntsman Polyurethanes	Peel Site	Mississauga	ON
2253	37	Huntsman Tioxide	Tioxide Canada, Inc	Tracy	QC
5756	39	Husky Injection Molding Systems Ltd.	Bolton Campus	Bolton	ON
0403	36	Husky Oil Operations	Husky Lloydminster Heavy Oil Refinery	Lloydminster	AB
0409	07	Husky Oil Operations	Husky Oil Lloydminster Upgrader	Lloydminster	SK
0405	36	Husky Oil Operations Limited	Prince George Refinery	Prince George	BC
1439	07	Husky Oil Operations Limited	Rainbow Lake Processing Plant	Rainbow Lake	AB
0407	07	Husky Oil Operations Limited	Ram River Gas Plant	Rocky Mountain House	AB
1801	37	Hydro Agri Canada s.e.c.		Sainte-Rosalie	QC
1802	37	Hydro Agri Canada s.e.c.		Montréal	QC
1443	49	Hydro-Québec	Centrale de Tracy	Tracy	QC
1445	49	Hydro-Québec	Centrale nucléaire Gentilly II	Bécancour	QC
0390	32	Héroux Devtek	Division Trains d'atterrissage, Longueuil	Longueuil	QC
2446	35	I-XL Industries Ltd.	Medicine Hat Brick & Tile Plant	Medicine Hat	AB
4565	35	I-XL Industries Ltd.	Redcliff Pressed Brick Plant	Redcliff	AB
1447	33	IBM Canada Ltée	IBM Canada Ltée, Bromont	Bromont	QC
1458	37	ICI Canada Inc.		Concord	ON
0422	16	Icynene Inc.	Icynene Inc. Processing Plant	Mississauga	ON
4406	30	Ifasgroupe Inc.	Galvano	Beloil	QC
0449	30	Ifasgroupe Inc.	Infasco Div.	Marieville	QC
4606	33	IlSCO of Canada Limited		Mississauga	ON
1510	06	IMC Esterhazy Canada Limited Partnership	IMC Potash - K1 Plant	Esterhazy	SK
1513	06	IMC Esterhazy Canada Limited Partnership	IMC Potash - K2 Plant	Esterhazy	SK

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC Code	Company Name	Facility Name	City	Prov./Terr.
1742	06	IMC Global Inc.	IMC Potash Colonsay	Colonsay	SK
4840	30	IMP Aerospace Components Ltd.		Amherst	NS
5001	45	IMP Group	Halifax Flight Support	Halifax	NS
2263	28	Imperial Home Decor Group ULC	IHDG Brampton	Brampton	ON
1464	37	Imperial Oil	Sarnia Chemical Plant	Sarnia	ON
3698	36	Imperial Oil	IOL Dartmouth Refinery	Dartmouth	NS
3701	36	Imperial Oil	IOL Nanticoke Refinery	Nanticoke	ON
3704	36	Imperial Oil	IOL Sarnia Refinery	Sarnia	ON
3707	36	Imperial Oil	IOL Strathcona Refinery	Edmonton	AB
5238	07	Imperial Oil Resources	West Pembina Gas Plant	Drayton Valley	AB
0434	07	Imperial Oil Resources	Golden Spike Gas Conservation Plant	Devon	AB
0424	07	Imperial Oil Resources Limited	Bonnie Glen Gas Plant	Thorsby	AB
0426	07	Imperial Oil Resources Limited	Quirk Creek Gas Plant	Millarville	AB
0428	07	Imperial Oil Resources Limited	Norman Wells Crude Production Facility	Norman Wells	NT
0430	07	Imperial Oil Resources Limited	Leduc Woodbend Gas Conservation Plant	Devon	AB
0438	07	Imperial Oil Resources Limited	Redwater Gas Conservation Plant	Redwater	AB
0442	07	Imperial Oil Resources Limited	Cold Lake Heavy Oil Plants	Grande Centre	AB
0452	30	IMT Corporation	Forge Division	Port Colborne	ON
5539	47	IMTT Québec/IMTT Quebec Inc.		Québec	QC
1465	06	Inco Limited	Central Mills	Copper Cliff	ON
1467	06	Inco Limited	Copper Cliff Nickel Refinery	Walden	ON
1469	06	Inco Limited	Copper Refinery	Copper Cliff	ON
1471	29	Inco Limited	Inco Limited Port Colborne Refinery	Port Colborne	ON
1473	29	Inco Limited	Manitoba Division	Thompson	MB
0444	29	Inco Limited	Copper Cliff Smelter Complex	Copper Cliff	ON
5733	30	Indalco Alloys Inc.		Mississauga	ON
2737	30	Indalex Aluminum Solutions	East (Mississauga)	Mississauga	ON
4853	30	Indalex Aluminum Solutions	Indalex Limited	Calgary	AB
1482	30	Indalex Solutions d'Aluminium	Indalex Limitée	Pointe-Claire	QC
1480	29	Indalloy, Division of Indalex Ltd.		Toronto	ON
2603	35	Independent Mirror Industries Inc.		Rexdale	ON
5620	37	Industrial Coatings Co.		Weston	ON
3142	30	Industrial Containers Ltd.		Brampton	ON
4936	99	Industrial Environmental Services		Debert	NS
4995	39	Industrial Galvanizing Co. Ltd.		Calgary	AB
4718	19	Industrial Glove & Garment Ltd.	Cleaning Plant	Whitby	ON
5537	30	Industries de Câbles d'Acier Ltée		Pointe-Claire	QC
5513	25	Industries Manufacturières Mégantic Inc.	Usine principale	Lac-Mégantic	QC
2547	16	Industries REHAU, Incorporated	Baie D'Urfe Facility	Baie-D'Urfé	QC
4794	31	Industries Tanguay	Saint-Prime	Saint-Prime	QC
5145	37	Industrotech Sales Ltd.	Insulmastic Building Products	Delta	BC
4612	30	Infasco Nut Co.		Mississauga	ON
2439	30	Inglis Limitée	Division de Montmagny	Montmagny	QC
0455	56	Ingot Metal Company Limited		Weston	ON
5243	35	Inland Cement Limited	Edmonton Plant	Edmonton	AB
1598	06	Inmet Mining Corporation	Winston Lake Division	Schreiber	ON
5753	26	Inscape	Holland Landing	Holland Landing	ON
2582	16	Integram Windsor Seating		Tecumseh	ON
0459	37	Intergen Biomanufacturing Corporation		Toronto	ON
5468	30	International Comfort Products Corp. Canada	Granby Steel Tanks / Réservoirs d'acier Granby	Granby	QC

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
5469	30	International Comfort Products Corporation	Bureau et usine de Sherbrooke	Sherbrooke	QC
1674	32	International Truck & Engine Corp. Canada	Chatham Assembly Plant	Chatham	ON
3759	28	International Wallcovering Ltd.	Brampton Plant	Brampton	ON
4826	37	Interprovincial Cooperative Limited	Chemical Plant	Winnipeg	MB
5514	37	Interstar Materials Inc.	Interstar Materials	Saint-Élie-d'Orford	QC
5470	16	Intertape Polymer Group	Industries des produits en matière plastique	Saint-Laurent	QC
1516	16	Intertape Polymer Group	Woven Products Truro Plant	Truro	NS
2390	16	Intertec Systems	St. Marys Facility	St. Marys	ON
1484	25	IPB International Inc.	Usine de Sorel-Tracy	Sorel-Tracy	QC
4617	16	IPEX Inc.	IPEX Fabricated Fittings	Mississauga	ON
4712	16	IPEX Inc.	Flexible Products Division	Toronto	ON
4939	15	IPEX Inc.	Hamilton Kent	Toronto	ON
5013	06	Iron Ore Company of Canada	Carol Project	Labrador City	NF
4904	49	Iroquois Falls Power Corp.	Iroquois Falls G.S.	Iroquois Falls	ON
4101	36	Irving Oil Limited	Refining Division	Saint John	NB
5002	37	Irving Oil Limited	Lubricants Division	Saint John	NB
3394	27	Irving Paper		Saint John	NB
2604	27	Irving Pulp & Paper Limited / Irving Tissue Company		Saint John	NB
4362	35	Isolation Manson	Usine de Brossard	Brossard	QC
3655	29	Ispat Sidbec Inc.	Sidbec-Feruni (ISPAT) Inc. Contrecoeur	Contrecoeur	QC
3649	29	Ispat Sidbec Inc.	Aciérie	Contrecoeur	QC
3651	29	Ispat Sidbec Inc.	Tuberie	Montréal	QC
4381	29	Ispat Sidbec Inc.	Laminoir à froid	Contrecoeur	QC
1519	33	ITL Circuits Integrated Technology Ltd.	ITL Circuits	Markham	ON
0448	15	ITL Industrial Tires		Mississauga	ON
5627	37	ITW Foils	ITW Foils - Windsor	Windsor	ON
1520	29	Ivaco Rolling Mills		L'Orignal	ON
4746	30	J&K Die Casting Ltd.		Scarborough	ON
1531	10	JM Schneider Inc.		Kitchener	ON
5180	25	JS Jones Timber	Boston Bar	Boston Bar	BC
1572	27	J.D. Irving Ltd.	Lake Utopia Paper	Utopia	NB
5185	25	J.R. Blackmore & Sons Ltd.	Kootenay Wood Preservers	Cranbrook	BC
3989	16	Jacobs & Thompson Inc.		Weston	ON
0464	25	Jan Woodlands Ltd.	CCA Pressure Treating Plant	L'Amable	ON
5919	33	JDS Uniphase Corporation	Building H	Ottawa	ON
2891	37	Jempak Canada Inc.	Oakville	Oakville	ON
5709	16	Jet Moulding Compound Inc.	Jet Moulding Compounds Inc.	Ajax	ON
1534	31	John Deere Limited	John Deere Welland Works	Welland	ON
0466	37	John E Goudey Manufacturing		Toronto	ON
2630	35	Johns Manville Canada Inc.	Innisfail Plant	Innisfail	AB
5749	16	Johns Manville Canada Inc.	Johns Manville Canada, Cornwall Plant	Cornwall	ON
1539	16	Johnson Controls Limited	Orangeville ASG	Orangeville	ON
3613	16	Johnson Controls Limited	Seating Plant (ASG)	Tillsonburg	ON
4747	16	Johnson Controls Limited	Headrest Plant (ASG)	Tillsonburg	ON
3991	39	Johnson Matthey Limited	Precious Metals Division	Brampton	ON
5761	29	Johnson Matthey Limited	Precision Castings	St. Catharines	ON
5439	28	Jonergin, division de Invesprint Corporation	Jonergin	Saint-Hubert	QC
5902	27	Jones Packaging Inc.	Guelph	Guelph	ON
5649	29	Kaiser Aluminum & Chemical of Canada Ltd.	Kaiser London	London	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
5165	25	Kamwood Products Ltd.	Wood Preservation Treatment Plant	Kamloops	BC
3949	32	Karmax Heavy Stamping		Milton	ON
1541	29	Kawneer Company Canada Limited	Lethbridge	Lethbridge	AB
5811	30	Kawneer Company Canada Limited	Kawneer-Scarborough	Scarborough	ON
2932	16	Keilhauer	Foam Operations	Cobourg	ON
3965	37	KelCoatings Limited	Manufacturer of Industrial Coatings	London	ON
5816	37	Kemira Chemicals Canada Inc.	Maitland Site	Maitland	ON
5667	09	Kennecott Canada Exploration Inc.		Thunder Bay	ON
1362	07	Keyspan Energy Canada	Brazeau Gas Plant	Drayton Valley	AB
1368	07	Keyspan Energy Canada	Morrin Ghost Pine Gas Plant	Morrin	AB
1370	07	Keyspan Energy Canada	Nordegg River Gas Plant	Rocky Mountain House	AB
1372	07	Keyspan Energy Canada	Rimbey Gas Plant	Rimbey	AB
1374	07	Keyspan Energy Canada	Strachan Gas Plant	Rocky Mountain House	AB
4462	30	Kilian Manufacturing		Toronto	ON
2917	27	Kimberly-Clark Inc.	Huntsville Mill	Huntsville	ON
2607	27	Kimberly-Clark Corporation	Kimberly-Clark Inc.	Terrace Bay	ON
0815	27	Kimberly-Clark Inc.	Kimberly Clark Nova Scotia	New Glasgow	NS
1555	30	Kindred Industries Limited	Kindred Industries	Midland	ON
5765	49	Kingston Cogen Limited Partnership	Kingston Cogen	Bath	ON
1568	06	Kinross Gold Corporation	Macassa Mine	Kirkland Lake	ON
4750	06	Kinross Gold Corporation	Timmins Operations	South Porcupine	ON
1770	49	Kirkland Lake Power Corp.	Kirkland Lake Generating Station	Kirkland Lake	ON
0476	25	Kitchencraft of Canada Ltd.	Manufacturing Plant	Winnipeg	MB
4595	39	Kitchener Fibreglass		Kitchener	ON
0477	37	Kleen-flo Tumbler Industries Ltd.		Brampton	ON
4768	83	KMS Peel Inc.	Peel Energy from Waste Facility	Brampton	ON
4751	26	Knoll North America Corp.	Main Plant	Toronto	ON
4752	26	Knoll North America Corp.	Metals Plant	Woodbridge	ON
4753	26	Knoll North America Corp.	Screens Plant	Woodbridge	ON
0478	39	Kodak Canada Inc.		Toronto	ON
5136	16	Kohler Ltd.	Armstrong Plant	Armstrong	BC
1560	37	Korzite Coatings Inc.	Korzite Coatings	Guelph	ON
3793	16	Kosa	Kosa Kingston Plant	Millhaven	ON
4748	29	KP Bronze Ltd.	KP Bronze Plant	Aurora	ON
3081	10	Kraft Canada Inc.	Cobourg Plant	Cobourg	ON
4441	10	Kraft Canada Inc.	Cheese Operations - Ingleside	Ingleside	ON
4442	10	Kraft Canada Inc.	Cheese Operations - Williamstown	Williamstown	ON
4361	10	Kraft Canada Inc.	Usine Mont-Royal	Mont-Royal	QC
5670	10	Kraft Canada Inc.	Scarborough Plant	Toronto	ON
4923	10	Kraft Canada Inc.	LaSalle Plant	LaSalle	QC
1561	37	Kronos Canada, Inc.		Varenes	QC
4621	26	Krueger International Inc.	KI Pembroke	Pembroke	ON
5881	25	Krug Inc.	Ahrens - Chair Division	Kitchener	ON
5882	25	Krug Inc.	Casegoods Division	Kitchener	ON
5471	27	Kruger Inc.	Usine de Bromptonville	Bromptonville	QC
5515	27	Kruger Inc.	Division de Trois-Rivières	Trois-Rivières	QC
5472	27	Kruger Inc.	Kruger Inc. (Division du carton)	Montréal	QC
2502	27	Kruger Wayagamack Inc.		Trois-Rivières	QC
2748	16	KT Industries Ltd.		Winnipeg	MB
2578	32	KTM Locks		Concord	ON
0701	29	Kubota Metal Corporation	Fahramet Division	Orillia	ON
3111	30	Kuntz Electroplating Inc.		Kitchener	ON
3787	16	Kuriyama Canada Inc.	Kuriyama	Brantford	ON
5924	30	L&M Precision Products Inc.		Toronto	ON
5315	25	L&M Wood Products Ltd.		Glaslyn	SK

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
5438	37	L'Oréal Canada Inc.	Usine	Saint-Laurent	QC
5458	26	L.F.P. Canada Inc.	Usine de fabrication de chaise en bois	Joliette	QC
3107	11	La Brasserie Labatt Limitée	Brasserie Labatt Limitée	LaSalle	QC
5422	39	La compagnie americaine de fer et metaux		Montréal	QC
4365	30	La compagnie Ideal Security Inc.		LaSalle	QC
2000	06	La Compagnie minière Québec Cartier	Usine de bouletage	Port-Cartier	QC
0214	37	La Corporation des rubans adhésifs Vibac du Canada	Vibac du Canada	Montréal	QC
5377	25	La Crete Sawmills Ltd.		La Crete	AB
2356	35	La Verrerie Walker Ltée		Anjou	QC
1564	06	LAB Chrysotile Inc.		Black Lake	QC
2464	11	Labatt Breweries of British Columbia	New Westminster Plant	New Westminster	BC
2838	11	Labatt Breweries Ontario	London Plant	London	ON
2841	11	Labatt Breweries Ontario	Metro Plant	Etobicoke	ON
4366	37	Laboratoire Atlas Inc.	Laboratoire Atlas	Saint-Léonard	QC
1565	37	Laboratoires Choisy Ltée		Louiseville	QC
5850	35	Lafarge Canada Inc.	Bath Plant	Bath	ON
5153	35	Lafarge Canada Inc.	Kamloops Plant	Kamloops	BC
5291	35	Lafarge Canada Inc.	Exshaw Plant	Exshaw	AB
5798	35	Lafarge Canada Inc.	Woodstock Plant	Woodstock	ON
5474	35	Lafarge Canada inc.	Cimenterie de Saint-Constant	Saint-Constant	QC
0702	35	Lafarge Canada Inc.	Richmond Cement Plant	Richmond	BC
4317	35	Lafarge Canada Inc.	Brookfield Cement Plant	Brookfield	NS
5475	55	LaGran Canada Inc.	Tissus étroits	Granby	QC
3855	29	Lake Erie Steel Company		Nanticoke	ON
3769	59	Lakehead Scrap Metals		Thunder Bay	ON
5232	10	Lakeside Feeders Ltd.	Lakeside Packers	Brooks	AB
0705	10	Lallemand Inc.	Usine de Montréal	Montréal	QC
5282	01	Landmark Feeds Inc.	Landmark Feeds Inc. Strathmore	Strathmore	AB
1575	10	Lantic Sugar Ltd.	Saint John Refinery	Saint John	NB
1578	30	Laurel Steel		Burlington	ON
0257	37	Lavo Ltée	Lavo	Montréal	QC
5534	37	Lavo Ltée	Hertel	Saint-Augustin-de-Desmaures	QC
4431	16	LDM Technologies Company		Leamington	ON
5420	28	Le Groupe de Décoration Domiciliaire Imperial (Canada) ULC	IHDG ulc	Sherbrooke	QC
1329	15	Le manufacturier Granford Inc.		Saint-Alphonse-de-Granby	QC
0708	39	Lear Corporation Canada	Ajax Plant	Ajax	ON
5290	25	Lehner Wood Preservers Ltd.		Prince Albert	SK
3590	37	LePage Division of Henkel Canada Corp.	LePage	Brampton	ON
4796	30	Les Aciers Canam	Saint-Gédéon	Saint-Gédéon	QC
5411	30	Les Aciers Canam	Boucherville	Boucherville	QC
5412	30	Les Aciers Canam	Laval	Laval	QC
5413	30	Les Aciers Canam	Québec	Québec	QC
5549	25	Les Bois Traités MG Inc.	Usine de Saint-Pierre	Montmagny	QC
5550	25	Les Bois Traités MG Inc.	Usine de Montmagny	Montmagny	QC
0447	11	Les Distilleries Schenley Inc.	Usine de Valleyfield	Valleyfield	QC
4575	52	Les Emballages Knowlton Inc.	Les Emballages Knowlton	Lac Brome	QC
5476	32	Les entreprises Michel Corbeil Inc.	Les entreprises Michel Corbeil	Laurentides	QC
4797	30	Les Forges de Sorel Inc.		Saint-Joseph-de-Sorel	QC
5477	10	Les Fromages Saputo Limitée	Usine Mont-Laurier	Mont-Laurier	QC
5478	10	Les Fromages Saputo Limitée	Usine Saint-Hyacinthe	Saint-Hyacinthe	QC

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
5479	10	Les Fromages Saputo Limitée	Usine Saint-Léonard	Saint-Léonard	QC
4926	27	Les Industries Paperboard International Inc.	Division Paperboard Jonquière	Jonquière	QC
5480	27	Les Industries Paperboard International Inc.	FjordCell Inc.	Jonquière	QC
0099	06	Les Mines Agnico-Eagle	Division Laronde	Cadillac	QC
3276	06	Les Mines McWatters Inc.	Division Mine Sigma	Val-d'Or	QC
2935	06	Les Mines McWatters Inc.	Mine Kiena	Dubuisson	QC
3395	29	Les Poudres Metalliques du Québec Ltée		Tracy	QC
0100	37	Les Produits Agro B Inc.		Mercier	QC
4888	37	Les Produits Chimiques BGR Inc.	Usine de Pointe Claire	Pointe-Claire	QC
4321	37	Les Produits Chimiques Delmar Inc.		Lasalle	QC
5409	39	Les Produits Non-ferreux Gauthier Inc.		Montréal	QC
4850	37	Les Revêtements Polyval Inc.		Boisbriand	QC
2100	06	Les Services T.M.G. Inc.	La Mine Niobec	Saint-Honoré (Martel)	QC
0848	29	Lethbridge Iron Works		Lethbridge	AB
4437	33	Lightning Circuits Inc.		Niagara on the Lake	ON
4521	30	Lincoln Electric Co. of Canada Ltd.		Toronto	ON
5894	32	Listowel Technology, Inc.		Listowel	ON
3233	29	Litton Systems Canada Limited, Kester Solder Division		Brantford	ON
0716	30	Locweld Inc.		Candiac	QC
3853	29	Lofthouse Brass Manufacturing Limited	Whitby	Whitby	ON
3854	29	Lofthouse Brass Manufacturing Limited	Burks Falls	Burks Falls	ON
5892	55	Long Manufacturing	SPG Plant	Burlington	ON
4756	55	Long Manufacturing Ltd.	Long Manufacturing Ltd. Oakville	Oakville	ON
2363	25	Longlac Wood Industries Inc.		Longlac	ON
5516	25	Louisiana Pacific Canada Ltd.	Division Québec Saint-Michel	Saint-Michel-des-Saints	QC
5517	25	Louisiana Pacific Canada Ltd.	Division Québec Chambord	Chambord	QC
5518	25	Louisiana Pacific Canada Ltd.	Division Québec Maniwaki	Bois-Franc	QC
0718	25	Louisiana-Pacific Canada Dawson Creek Ltd.	LP Dawson Creek OSB	Dawson Creek	BC
5141	27	Louisiana-Pacific Canada Ltd.	Chetwynd Pulp	Chetwynd	BC
4881	25	Louisiana-Pacific Canada Ltd.	LP Swan Valley OSB	Minitonas	MB
5839	16	Loxcreen Canada Limited	Bengard Manufacturing	Mississauga	ON
5152	25	LP Engineered Wood Products Ltd.	LP Malakwa Sawmill	Malakwa	BC
0618	25	LP Engineered Wood Products Ltd.	LP Golden	Golden	BC
2478	25	LPB Industries Inc.		Masson-Angers	QC
3593	37	Lubrizol Canada Limited	Lubrizol Canada	Niagara Falls	ON
1585	06	Luscar Ltd., Coal Valley Mine	Coal Valley Mine	Edson	AB
4639	30	M&M Plating Inc.		Scarborough	ON
2087	37	M-chem Industries Corp.	M-chem	Delta	BC
5722	32	M.S.M.		Woodbridge	ON
1662	30	M. Stanton Electroplating Ltd.		Scarborough	ON
5376	39	M.A. Steel Foundry Ltd.		Calgary	AB
4916	16	MAAX	MAAX Inc. - Division Fibre de Verre Moderne - Usine 5	Tring-Jonction	QC
5519	16	MAAX	Division Lachine	Lachine	QC
5123	37	MAAX	MAAX Westco Armstrong	Armstrong	BC
5263	37	MAAX Inc.	MAAX Westco Airdrie	Calgary	AB
4323	16	MAAX Inc.	MAAX Inc. - Division Acrylica	Sainte-Marie	QC
4324	16	MAAX Inc.	MAAX Inc. - Division Fibre de Verre Moderne - Usine 4	Tring-Jonction	QC



**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
4325	16	MAAX Inc.	MAAX Inc. - Division Fibre de Verre Moderne - Usine 6	Tring-Jonction	QC
5447	25	MAAX Inc.	MAAX Inc. - Division Cuisine Expert	Laval	QC
0721	37	Macco Organiques Inc.	Usine de Valleyfield, B.24	Valleyfield	QC
1588	37	MacDermid Chemicals Inc.		Mississauga	ON
5334	31	MacDon Industries Ltd.		Winnipeg	MB
0722	37	MacDonald and White Varnish and Paint Co. Ltd.		Windsor	ON
0725	27	MACTac Canada Ltd./Ltée	Brampton Facility	Brampton	ON
4799	29	Magotteaux Ltée	Fonderie Magotteaux	Magog	QC
4800	32	Manac	Orangeville	Orangeville	ON
4801	32	Manac	Saint-Georges	Saint-Georges	QC
0728	37	Mancuso Chemicals Limited		Niagara Falls	ON
0821	49	Manitoba Hydro	Brandon Generating Station	Brandon	MB
0823	49	Manitoba Hydro	Selkirk Generating Station	St. Clements	MB
5354	49	Manitoba Hydro	Dorsey Converter Station	Rosser	MB
5355	49	Manitoba Hydro	Radisson Converter Station	Gillam	MB
5344	25	Manning Diversified Forest Products		Manning	AB
0729	37	MAPEI Inc.	Établissement de Laval	Laval	QC
5317	10	Maple Leaf Foods	Maple Leaf Foods - Brandon	Brandon	MB
5202	29	Maple Leaf Metal Industries Ltd.		Edmonton	AB
5651	32	Maple Manufacturing Inc.		Smithville	ON
2685	32	Maple Stamping		Concord	ON
4759	37	Maratek Environmental Inc.	Maratek Environmental	Bolton	ON
0462	27	Marathon Pulp Inc.		Marathon	ON
4856	17	Marden-Wild of Canada Ltd.	Marden-Wild	Amherst	NS
4300	16	Marine Plastics Ltd.		Langley	BC
4268	49	Maritime Electric Company, Limited	Charlottetown Thermal Generating Station	Charlottetown	PE
4883	39	Maritime Steel and Foundries Limited		New Glasgow	NS
0574	15	Mark IV Industries Inc.	Mark IV Automotive Canada	North York	ON
5204	33	Mark Products (now called Sercel Canada Ltd.)		Calgary	AB
5017	81	Marlant (Formation Environment)		Halifax	NS
0853	37	Marsulex Inc.	Customer Service Centre	Fort Saskatchewan	AB
2130	37	Marsulex Inc.	Marsulex Sulphides	Fort Saskatchewan	AB
4834	30	Marswell Metal Industries	Mars Metal Company	Burlington	ON
4318	25	Marwood Ltd.	Marwood Treating Plant	Brookfield	NS
5825	30	Massiv Die-Form		Brampton	ON
5830	30	Massiv Die-Form Racktec		Brampton	ON
2580	32	Master Precision Tool & Die		Scarborough	ON
4593	29	Masterloy Products Limited		Gloucester	ON
5225	37	Maxim Chemical International Ltd.	Regina Warehouse	Regina	SK
0859	36	McAsphalt Industries Limited	West Hill	Scarborough	ON
3350	10	McCain Foods (Canada)	Florenceville Plants	Florenceville	NB
3353	10	McCain Foods (Canada)	Grand Falls Plants	Grand Falls	NB
5000	10	McCain Foods (Canada)	Borden-Carleton	Borden-Carleton	PE
5020	10	McCain Foods (Canada)	Coaldale	Coaldale	AB
5041	83	McCallum	Incinerator	McCallum	NF
4131	28	McCorquodale		North York	ON
2247	39	MDS Nordion Inc.	Therapy Systems Division	Kanata	ON
4760	27	Mead Packaging Division of The Mead Corporation	Mead Packaging (Canada) Limited	Ajax	ON
0867	37	Merck Frosst Canada & Cie		Kirkland	QC

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC Code	Company Name	Facility Name	City	Prov./Terr.
0870	55	Meridian Operations Incorporated	Richmond Division	Long Sault	ON
4770	32	Meritor Automotive Canada Inc.	Tilbury Brake Plant	Tilbury	ON
3453	32	Meritor Suspension Systems Company		Milton	ON
5481	32	Messier-Dowty	Usine de fabrication de train d'atterrissages	Mirabel	QC
4327	30	Metachimie Canada Ltée		Granby	QC
4527	30	Metal Koting	Continuous Colour Coat Ltd.	Rexdale	ON
1547	29	Metal Technologies-Woodstock Ltd.		Woodstock	ON
0732	29	Metalex Products Ltd.		Richmond	BC
4392	30	Metcor Inc.		Saint-Eustache	QC
4528	29	Meteor Foundry Co. Ltd.		Mississauga	ON
1782	37	Methanex Corporation	Medicine Hat Plant	Medicine Hat	AB
0872	37	Methanex Corporation	Methanex Corporation Kitimat Plant	Kitimat	BC
5893	30	MetoKote Corporation	MetoKote Corporation Plant 72	Kitchener	ON
3466	15	Michelin North America (Canada) Inc.	Pictou County Plant	New Glasgow	NS
3468	15	Michelin North America (Canada) Inc.	Bridgewater Plant	Bridgewater	NS
3470	15	Michelin North America (Canada) Inc.	Waterville Plant	Cambridge Station	NS
3472	15	Michelin North America (Canada) Inc.	Kitchener Plant	Kitchener	ON
3409	37	Microcolor Dispersions Ltd.		Toronto	ON
2499	29	Microprecision Die Casting Inc.		Burlington	ON
0878	27	Millar Western Forest Products Limited	Whitecourt Pulp Division	Whitecourt	AB
6505	25	Millar Western Forest Products Limited	Whitecourt Solid Wood Division	Whitecourt	AB
6506	25	Millar Western Forest Products Limited	Boyle Solid Wood Division	Boyle	AB
0875	27	Millar Western Pulp (Meadow Lake) Ltd.		Meadow Lake	SK
5392	77	Miller Environmental Corporation		St. Jean Baptiste, R.M. of Montcalm	MB
0465	06	Mine Jeffrey Inc.	Mine Jeffrey	Asbestos	QC
5459	06	Mines Wabush	Pointe-Noire	Sept-iles	QC
2548	06	Miramar Con Mine Ltd.	Con Mine	Yellowknife	NT
4337	35	Miroirs Laurier Ltée		Laurier-Station	QC
3573	16	Mirolin Industries Corporation	Mirolin	Toronto	ON
5794	16	Mirolin Industries Corporation	Tedlo	Mississauga	ON
1623	33	Mitel Semiconductor	Mitel S.C.C.	Bromont	QC
5622	32	Modine of Canada, Ltd.	Edmonton, AB	Edmonton	AB
0738	32	Modine of Canada, Ltd.	Milton, ON	Milton	ON
5533	16	Modèlerie GLT		Plessisville	QC
5843	86	Mohawk Hospital Services, Inc.		Hamilton	ON
2518	11	Molson Canada	Barrie Brewery	Barrie	ON
3245	11	Molson Canada	Etobicoke Brewery	Toronto	ON
5254	11	Molson Canada	Molson Edmonton Brewery	Edmonton	AB
2866	11	Molson Canada		Regina	SK
4308	11	Molson Canada	Molson Brewery (Vancouver)	Vancouver	BC
1639	52	Molson Canada, Région Québec Atlantique		Montréal	QC
4761	29	Molten Metallurgy Inc.		Paris	ON
4762	30	Monarch Fabricating and Die Casters Ltd.		Toronto	ON
4326	15	Mondo America Inc.	Laval	Laval	QC
1649	47	Montank	Hamilton Terminal	Hamilton	ON
4925	32	Montupet Ltée		Rivière-Beaudette	QC
2712	36	Moose Jaw Asphalt Inc.	Moose Jaw Asphalt	Moose Jaw	SK

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
4890	11	Moosehead Breweries Limited	Saint John Plant	Saint John	NB
5628	37	MOR-PAC Ltd.		Brighton	ON
0741	16	Morbern Inc.		Cornwall	ON
3971	37	Morton International Ltd.		Ajax	ON
3361	39	Morton-Parker Limited	Morton-Parker	Trenton	ON
5375	25	Mostowich Lumber Ltd.		Fox Creek	AB
1653	32	Motor Coach Industries	St. Matthews - Plants 1, 2 & 3	Winnipeg	MB
1656	32	Motor Coach Industries Ltd.	Fort Garry - Plants 4 & 5	Winnipeg	MB
5629	30	Mott Manufacturing Limited		Brantford	ON
5521	30	Moulage d'Aluminium HOWMET Ltée	Usine de Laval	Laval	QC
4334	30	Moulage sous pression AMT Inc.		Saint-Cyprien	QC
5402	30	Moulage sous pression AMT Inc.		Saint-Cyprien	QC
5063	77	Mr. Shredding Waste Management Ltd.		Moncton	NB
5547	83	MRC des Îles-de-la-Madeleine	Centre de traitement des déchets de la MRC des Îles	Iles-de-la-Madeleine	QC
5606	30	Multichair Inc.	Multitube Inc.	Mississauga	ON
5918	30	Multichair Inc.		Mississauga	ON
4393	35	Multicore Canada, Inc.		Montréal	QC
4607	28	Multipak Limited	Toronto Facility	Mississauga	ON
4335	28	Multipak Limited	Montréal Plant	Montréal	QC
5630	32	MYTOX		Woodbridge	ON
5520	29	Métallurgie Magnola Inc.		Danville	QC
3588	10	Nacan Products Limited	Collingwood Plant	Collingwood	ON
3586	37	Nacan Products Limited	Produits Nacan Limitee	Boucherville	QC
4567	37	Nalco/Exxon Energy Chemicals Canada Inc.	Nisku Blend Plant	Nisku	AB
0787	37	Napierville Refineries Inc.	Napierville	Napierville	QC
5340	25	Natal Forest Products Ltd.		Coleman	AB
4194	30	National Manufacturing of Canada Inc.	National Manufacturing	Swift Current	SK
3505	37	National Silicates	Surrey	Surrey	BC
1112	10	Natrel Inc.	Don Mills	Toronto	ON
3775	59	Navajo Metals		Calagry	AB
0748	37	NCH Canada Inc.		Brampton	ON
4540	10	Neilson Dairy	Halton Hills	Halton Hills	ON
4616	29	Nelson Bronze Limited	Nelson Bronze	New Hamburg	ON
4547	32	Nelson Muffler Canada, Inc.		Burk's Falls	ON
3857	29	Nelson Steel	Nanticoke	Nanticoke	ON
3859	29	Nelson Steel	Arvin Avenue	Stoney Creek	ON
5768	29	Nelson Steel	Glover Road	Stoney Creek	ON
1269	29	Nemak of Canada Corporation	Essex Aluminum Plant	Windsor	ON
4416	29	Nemak of Canada Corporation	Windsor Aluminum Plant	Windsor	ON
5131	45	Neptune Bulk Terminals (Canada) Ltd.		North Vancouver	BC
1687	37	Neste Chemicals Canada Inc.	Neste Chemicals Canada Inc. - North Bay	North Bay	ON
1690	37	Neste Chemicals Canada Inc.	Neste Chemicals Canada Inc. - Lindsay	Lindsay	ON
1681	37	Neste Chemicals Canada Inc.	Neste Chemicals Canada Inc. - Sainte-Thérèse	Sainte-Thérèse	QC
1684	37	Neste Chemicals Canada Inc.	Neste Chemicals Canada Inc. - Thunder Bay	Thunder Bay	ON
1693	37	Neste Chemicals Canada Inc.	Neste Chemicals Canada Inc. - Kamloops	Kamloops	BC
1696	49	New Brunswick Power	Coleson Cove Generating Station	Saint John	NB

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC Code (2)	Company Name	Facility Name	City	Prov./ Terr.
1698	49	New Brunswick Power	Belledune Thermal Generating Station	Belledune	NB
1706	49	New Brunswick Power	Courtenay Bay Generating Station	Saint John	NB
1708	49	New Brunswick Power	Grand Lake Generation Station	New Castle Creek	NB
1710	49	New Brunswick Power	Point Lepreau Generating Station	Lepreau	NB
1712	49	New Brunswick Power	Dalhousie Generating Station	Dalhousie	NB
5244	32	New Flyer Industries Limited		Winnipeg	MB
4561	37	Newalta Corporation	Raymond Solvent Recycling & Fuel Blending Plant	Raymond	AB
5302	36	Newalta Corporation	Edmonton Process Facility	Edmonton	AB
5339	59	Newalta Corporation	Redwater process	Redwater	AB
5361	36	Newalta Corporation	Airdrie Hazardous Recyclable Processing Facility	Airdrie	AB
4882	49	Newfoundland and Labrador Hydro	Holyrood Thermal Generating Station	Holyrood	NF
1714	25	Newfoundland Hardwoods Division of IPB-WPI International Inc.		Clarenceville	NF
1400	06	Newmont Canada Limited	Golden Giant Mine	Marathon	ON
0959	29	Nexans Canada Inc.	Usine de Montréal-Est	Montréal-Est	QC
0953	33	Nexans Canada Inc.	Simcoe Plant	Simcoe	ON
0956	33	Nexans Canada Inc.	Fergus Plant	Fergus	ON
0965	33	Nexans Canada Inc.	Quebec City Plant	Vanier	QC
0971	33	Nexans Canada Inc.	Weyburn Plant	Weyburn	SK
3517	37	Nexen Chemicals Canada Limited Partnership	Brandon	Brandon	MB
3520	37	Nexen Chemicals Canada Limited Partnership	Amherstburg	Amherstburg	ON
3523	37	Nexen Chemicals Canada Limited Partnership	Bruderheim	Bruderheim	AB
3526	37	Nexen Chemicals Canada Limited Partnership	Nanaimo	Nanaimo	BC
3529	37	Nexen Chemicals Canada Limited Partnership	North Vancouver	North Vancouver	BC
4870	37	Nexen Chemicals Canada Limited Partnership	Beauharnois	Beauharnois	QC
5394	37	Nexen Inc.	Squamish	Squamish	BC
5631	26	NHB Industries Ltd.	Crawford Facility	Peterborough	ON
1715	32	Niagara Piston Div. of Court Valve Co. Inc.		Beamsville	ON
3807	37	Nitrochem Corp.	Maitland Site	Maitland	ON
4477	10	Nitta Gelatin	Cangel Inc.	Toronto	ON
5813	33	NOMA Appliance and Electronics		Scarborough	ON
2700	33	NOMA Cable Tech	Stouffville Plant	Stouffville	ON
5611	28	Nor Baker Inc.		Newmarket	ON
1872	27	Norampac Inc. Division Cabano		Cabano	QC
3013	27	Norampac Inc.	Red Rock Division	Red Rock	ON
0239	27	Norampac Inc.	Trenton Division	Quinte West	ON
3374	27	Norampac Paper Inc.	Burnaby Division	Burnaby	BC
3623	29	Noranda Inc.	Fonderie Horne	Rouyn-Noranda	QC
4024	29	Noranda Inc.	Brunswick Smelter	Belledune	NB
1611	06	Noranda Inc.	Mine Matagami	Matagami	QC
3385	29	Noranda Inc.	Fonderie Gaspé	Murdochville	QC
3916	29	Noranda Inc.	Affinerie CCR	Montréal-Est	QC
0054	06	Noranda Inc.	Brunswick Mine	Bathurst	NB
2938	29	Noranda Inc. CEZinc	Usine d'extraction de zinc	Valleyfield	QC
1745	25	Norbord Industries Inc.	Val-d'Or Division	Val-d'Or	QC
1748	25	Norbord Industries Inc.	La Sarre Division	La Sarre	QC

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
5623	25	Norbord Industries Inc.	Cochrane Plywood Mill	Cochrane	ON
4819	30	Norcast Castings Company	Fonderie Norcast	Mont-Joli	QC
4749	39	Norjohn Custom Coatings		Kingston	ON
5042	83	Norman's Cove - Long Cove	Incinerator	Norman's Cove - Long Cove	NF
2681	32	Normark Manufacturing		Concord	ON
0747	29	Norsk Hydro Canada Inc.	Hydro Magnesium Canada	Bécancour	QC
0333	27	Norske Skog Canada	Elk Falls Mill	Campbell River	BC
1266	27	Norske Skog Canada Limited	Crofton Pulp and Paper	Crofton	BC
1486	27	Norske Skog Canada Mackenzie Pulp Ltd.	Mackenzie Pulp Operations	Mackenzie	BC
5669	33	Nortel Networks	Corkstown Campus	Nepean	ON
5805	33	Nortel Networks	Carling Campus	Nepean	ON
5227	25	North American Lumber	Roblin Forest Products Ltd.	Roblin	MB
5166	25	North American Wood Treating	Abbotsford	Abbotsford	BC
4316	36	North Atlantic Refining Ltd.	North Atlantic Refinery	Come by Chance	NF
0751	37	Northern Paint Canada Inc.		Winnipeg	MB
5804	25	Northern Pressure Treated Wood Ltd.		Kirkland Lake	ON
4600	33	Northern Transformer Inc.		Concord	ON
5907	25	Northern Wood Preservers		Thunder Bay	ON
5363	25	Northland Forest Products Ltd.		Fort McMurray	AB
5211	07	Northstar Energy Corporation	Coleman Gas Plant	Coleman	AB
3609	27	Norwall Group Inc.	Canadian Plant	Brampton	ON
1776	36	NOVA Chemicals (Canada) Ltd.	NOVA Chemicals (Canada) Ltd. - Corunna Site	Corunna	ON
1785	37	NOVA Chemicals (Canada) Ltd.	NOVA Chemicals (Canada) Ltd. - Sarnia Site	Sarnia	ON
1788	37	NOVA Chemicals Corporation	Moore Site	Sarnia	ON
4700	37	NOVA Chemicals Corporation	St. Clair River Site	Corunna	ON
1779	37	NOVA Chemicals Corporation	Joffre Site; Olefins and Polyethylene Manufacturing	Red Deer	AB
4857	37	NOVA Chemicals Corporation	NOVA Research & Technology Centre	Calgary	AB
0752	37	NOVA Chimie (Canada) Ltée	Usine de Montréal	Montréal	QC
4402	35	Nova PB Inc.		Sainte-Catherine	QC
3998	41	Nova Scotia Power Inc.	Tufts Cove Generating Station	Dartmouth	NS
4000	41	Nova Scotia Power Inc.	Point Aconi Generating Station	Point Aconi	NS
3992	41	Nova Scotia Power Inc.	Lingan Generating Station	New Waterford	NS
3994	41	Nova Scotia Power Inc.	Point Tupper Generating Station	Port Hawkesbury	NS
3996	41	Nova Scotia Power Inc.	Trenton Generating Station	Trenton	NS
4543	52	Novocol Pharmaceutical of Canada, Inc.		Cambridge	ON
2469	37	Novopharm Limited		Toronto	ON
2472	37	Novopharm Limited		Markham	ON
4894	15	NRI Industries Inc.	TRU	Toronto	ON
0742	15	NRI Industries Inc.	Symington Plant	Toronto	ON
0743	15	NRI Industries Inc.	Cawthra Plant	Toronto	ON
2994	37	Nufarm Agriculture Inc.	Calgary Plant	Calgary	AB
4054	28	Oberthur Jeux et Technologies	Usine de Montréal	Montréal	QC
5482	16	OC Celfortec Inc.		Grande-île	QC
4623	26	Office Specialty Ltd.	Scarborough	Toronto	ON
5312	10	Old Dutch Foods	Calgary	Calgary	AB
5712	30	Olympic Coaters Inc.		Etobicoke	ON
0255	37	OMG Belleville Limited		Belleville	ON
4821	16	Omniglass Ltd.		Winnipeg	MB
1668	37	ONDEO Nalco Canada Co.		Burlington	ON
3803	82	Ontario Clean Water Agency	Lakeview Water Pollution Control Plant	Mississauga/Region of Peel	ON

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
3805	49	Ontario Clean Water Agency	Lakeview Water Treatment Plant	Mississauga	ON
5842	82	Ontario Clean Water Agency	Lake Huron Water Supply Facility	Grand Bend	ON
5883	82	Ontario Clean Water Agency	Elgin Area Water Supply Facility	Union	ON
5827	32	Ontario Engineered Suspensions Ltd.	Blenheim Facility	Blenheim	ON
3808	49	Ontario Power Generation Inc.	Bruce Nuclear	Municipality of Kincardine	ON
1809	49	Ontario Power Generation Inc.	Lambton Generating Station	Courtright	ON
1812	49	Ontario Power Generation Inc.	Lennox Generating Station	Greater Napanee	ON
1861	49	Ontario Power Generation Inc.	Nanticoke Generating Station	Nanticoke	ON
3048	49	Ontario Power Generation Inc.	Thunder Bay Generating Station	Thunder Bay	ON
3238	49	Ontario Power Generation Inc.	Atikokan Generating Station	Atikokan	ON
2844	49	Ontario Power Generation Inc.	Lakeview GS	Mississauga	ON
3163	49	Ontario Power Generation Inc.	Darlington Nuclear	Bowmanville	ON
3161	49	Ontario Power Generation Inc.	Pickering Nuclear	Pickering	ON
4507	32	Orenda Aerospace Corporation		Mississauga	ON
2857	37	Orica Canada Inc.	Carseland Works	Carseland	AB
2852	39	Orica Canada Inc.	Orica Canada	Brownsburg	QC
5904	55	Orlick Industries Limited	411 Parkdale	Hamilton	ON
5905	55	Orlick Industries Limited	441 Seaman	Stoney Creek	ON
5906	55	Orlick Industries Limited	20 Teal	Stoney Creek	ON
4765	26	OSF Inc.	Plant 1	Weston	ON
4766	26	OSF Inc.	PL2	Weston	ON
1816	33	Osram Sylvania Ltée		Drummondville	QC
0757	37	Ostrem Chemical Co. Ltd.		Edmonton	AB
1857	35	Ottawa Fibre Inc.		Ottawa	ON
1245	35	Owens-Corning Canada	Toronto Plant	Scarborough	ON
3287	35	Owens-Corning Canada Inc.	Guelph Glass Plant	Guelph	ON
1251	35	Owens-Corning Canada Inc.	Edmonton Plant	Edmonton	AB
1858	35	Owens-Corning Canada Inc.	Candiac Plant	Candiac	QC
3149	32	Oxford Automotive Canada Ltd.	Chatham Plant	Chatham	ON
3152	32	Oxford Automotive Canada Ltd.	Wallaceburg Plant	Wallaceburg	ON
5844	32	Oxford Automotive Products		Cambridge	ON
5762	37	Oxy Vinyls Canada Inc.	Niagara PVC Plant	Thorold	ON
0355	37	Oxy Vinyls Canada Inc.	Scotford Plant	Fort Saskatchewan	AB
2677	32	P&F Tool and Die		Concord	ON
5724	32	P&F Tool and Die II		Concord	ON
2803	32	Paccar du Canada Ltée	Paccar Usine Sainte-Thérèse	Sainte-Thérèse	QC
5104	37	Pacific Ammonia Inc.	Kitimat Plant	Vancouver	BC
5947	99	Pacific Plating Ltd.		Toronto	ON
1593	27	Pacifica Papers	Alberni Specialties	Port Alberni	BC
0723	27	Pacifica Papers Inc.	Pacifica Papers, Powell River	Powell River	BC
1863	16	Packall Packaging Inc.	Packall	Mississauga	ON
1866	26	Palliser Furniture Ltd.	DeFehr Division	Winnipeg	MB
1199	25	Panoram Industries Ltd.	Huntsville	Stephenson Township	ON
1870	27	Paperboard Industries Corporation	Paperboard Toronto	Toronto	ON
1195	27	Papier de Communication Domtar	Centre d'affaires Windsor	Windsor	QC
1525	27	Papier Masson Limitée		Masson-Angers	QC
1528	27	Papiers Fraser Inc.	Papiers Fraser - Pâtes Thurso	Thurso	QC
5541	27	Papiers Perkins Ltée, Division Kingsey Falls		Kingsey Falls	QC
1875	27	Papiers Scott Limitée	Div. fabrication de l'Est, Crabtree	Crabtree	QC
5535	27	Papiers Scott Limitée	Div. de Hull	Hull	QC
5826	37	Para Inc.		Brampton	ON
1881	36	Parkland Refining Ltd.	Bowden Refinery	Bowden	AB
5360	86	Parkland Regional Health Authority	Dauphin Regional Health Centre	Dauphin	MB
1845	10	Parmalat Canada	Brampton	Brampton	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
3840	10	Parmalat Canada	Winchester	Winchester	ON
4535	10	Parmalat Canada	Etobicoke	Etobicoke	ON
5616	10	Parmalat Canada	Mitchell	Mitchell	ON
5617	10	Parmalat Canada	Montréal	Montréal	QC
5618	10	Parmalat Canada	Victoriaville	Victoriaville	QC
4845	30	Parrsboro Metal Fabricators Limited		Parrsboro	NS
2539	25	Pastway Planing Ltd.	Pastway Planing Ltd. Treating Plant	Combermere	ON
4735	37	Patheon Inc.	Niagara Region Operations	Fort Erie	ON
5133	25	Paxton Forest Products Inc.		Monte Lake	BC
5608	33	PC World		Scarborough	ON
3438	37	PCI Chemicals Canada Inc.	Cornwall Works	Cornwall	ON
1449	37	PCI Chemicals Canada Inc.	Dalhousie Works	Dalhousie	NB
2855	37	PCI Chimie Canada Inc.	Usine Bécancour	Bécancour	QC
1885	06	PCS Inc., Lanigan Division		Lanigan	SK
6507	06	PCS Potash	Cory	Saskatoon	SK
5854	16	Peel Plastic Products Limited		Brampton	ON
4353	37	Peinture CAN-LAK Inc.		Daveluyville	QC
4322	37	Peinture Denalt Ltée		Saint-Léonard	QC
5457	37	Peinture Micca Inc.	Laval	Laval	QC
5522	37	Peinture National Ltée		Duburger (Québec)	QC
4071	37	Peintures Prolux		Montréal	QC
4580	37	Pemla Inc.		Saint-Léonard	QC
4566	07	Pengrowth	Judy Creek Production Complex	Swan Hills	AB
0440	07	Pengrowth	Judy Creek Gas Conservation Plants	Swan Hills	AB
1753	07	Penn West Petroleum Ltd.	Minnehik - Buck Lake Gas Plant	Buck Lake	AB
4804	11	Pepsi Bottling Group	Pepsi Bottling Group (Montréal)	Saint-Laurent	QC
4848	11	Pepsi Bottling Group	Pepsi Bottling Group Moncton	Moncton	NB
4824	11	Pepsi Bottling Group (Canada), Co.		Calgary	AB
3764	32	Peregrine Oshawa, Inc.	Oshawa Facility	Oshawa	ON
4805	37	Petresa Canada Inc.	Petresa Canada Inc. Usine de Bécancour	Bécancour	QC
1077	07	Petro-Canada	Ferrier Gas Plant	Rocky Mountain House	AB
1080	07	Petro-Canada	Boundary Lake Gas Plant	Fort St. John	BC
3899	36	Petro-Canada	Mississauga Lubricant Center	Mississauga	ON
3901	36	Petro-Canada	Oakville Refinery	Oakville	ON
3903	36	Petro-Canada	Edmonton Refinery	Edmonton	AB
3749	07	Petro-Canada	Brazeau Gas Plant	Drayton Valley	AB
3751	07	Petro-Canada	Wildcat Hills Gas Plant	Cochrane	AB
3754	07	Petro-Canada	Kaybob Gas Plant	Fox Creek	AB
3757	07	Petro-Canada	Whitecourt Gas Plant	Whitecourt	AB
3758	07	Petro-Canada	Hanlan-Robb Gas Plant	Edson	AB
3897	36	Petro-Canada	Raffinerie de Montréal	Montréal	QC
3905	36	Petro-Canada	Burrard Products Terminal	Port Moody	BC
0764	37	PFB Corporation	PFB Corporation - EPR Plant	Crossfield	AB
5942	37	Pfizer Canada Inc.	Arnprior Site	Arnprior	ON
5543	39	Pharnascience	Usine manufacturière	Montréal	QC
5111	49	Philip Services Inc.	Delta Facility	Delta	BC
1928	77	Philip Services Inc.	Yard 3 Facility	Hamilton	ON
4627	77	Philip Services Inc.	Windsor Facility	Windsor	ON
5645	77	Philip Services Inc.	Parkdale Avenue Facility	Hamilton	ON
5646	77	Philip Services Inc.	Fort Erie Facility	Fort Erie	ON
5647	77	Philip Services Inc.	Barrie Facility	Barrie	ON
5648	77	Philip Services Inc.	Rexdale Facility	Etobicoke	ON
4589	30	Phillips & Temro Industries Ltd.	Phillips & Temro Industries Ltd.	Winnipeg	MB
5818	25	Phoenix Veneers Ltd.		Mount Forest	ON

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
4590	37	Phytogen Life Sciences Inc.		Delta	BC
4522	39	Pilkington North America	Pilkington Glass of Canada Ltd.	Collingwood	ON
0004	27	Pine Falls Paper Company	Pine Falls	Pine Falls	MB
3271	33	Pirelli Cables and Systems	Saint-Jean	Saint-Jean-sur-Richelieu	QC
1935	06	Placer Dome (CLA) Limited	Campbell Mine	Balmertown	ON
1941	06	Placer Dome (CLA) Limited	Dome Mine	South Porcupine	ON
5656	06	Placer Dome (CLA) Limited	Musselwhite Mine	Thunder Bay	ON
3030	30	Plastcoat	Meyerside	Mississauga	ON
1942	16	Plastmo Ltd.		Brampton	ON
4704	28	PLM Group	PLM Graphics	Markham	ON
5708	30	PMT Industries Ltd.	Pure Metal Galvanizing	Brantford	ON
5456	30	Polissage & Placage G.G. Inc.		Longueuil	QC
3927	30	Polybrite		Richmond Hill	ON
4534	37	Polycol Ltée		Pointe-Claire	QC
2521	16	Polycon Industries		Guelph	ON
1300	16	PolyOne Canada Inc.	Niagara Plant	Thorold	ON
2277	37	PolyOne Canada Inc.	Orangeville Plasticizer Plant	Orangeville	ON
4357	37	PolyOne Canada Inc.	St-Remi Plant	Saint-Rémi	QC
4358	37	PolyOne Canada Inc.	Orangeville Compound Plant	Orangeville	ON
0932	15	Polyone Elastomers Canada, Inc.	Tillsonburg Facility	Tillsonburg	ON
5435	16	Polypack Corporation Ltd.		Anjou	QC
3017	16	Polyrim		Thornhill	ON
4940	16	Polywheels Manufacturing Ltd.	Oakville Plant	Oakville	ON
5045	83	Pool's Cove Town Council	Incinerator	Pool's Cove	NF
1383	27	Pope & Talbot Ltd.	Harmac Pulp Operations	Nanaimo	BC
1947	10	Port Colborne Poultry Ltd.	Port Colborne Poultry Ltd.	Port Colborne	ON
5217	10	POS Pilot Plant Corporation		Saskatoon	SK
2406	06	Potash Corporation of Saskatchewan Inc.	Allan Division	NA/SO	SK
4562	06	Potash Corporation of Saskatchewan Inc.	PCS Potash Rocanville	Rocanville	SK
1996	06	Potash Corporation of Saskatchewan Inc.	New Brunswick Division	Penobsquis	NB
1953	37	PPG Canada Inc.	Coatings Plant, Mississauga	Mississauga	ON
0765	37	PPG Canada Inc.	Usine de chlor-alkalis Beauharnois	Beauharnois	QC
5920	35	PPG Canada Inc.	Hawkesbury Plant - Works # 80	Hawkesbury	ON
0762	37	PPG Phillips Industrial Coatings		Winnipeg	MB
2669	25	Prairie Forest Products Ltd.		Neepawa	MB
1964	32	Pratt & Whitney Canada Inc.	Établissement 2	Longueuil	QC
1958	32	Pratt & Whitney Canada Inc.	Établissement 41	Halifax County	NS
1961	32	Pratt & Whitney Canada Inc.	Établissement 1	Longueuil	QC
0767	37	Praxair Canada Inc.	Praxair Air Separation Plant	Prentiss	AB
5251	37	Praxair Canada Inc.	Praxair Carbon Dioxide Production Plant	Maitland	ON
5252	37	Praxair Canada Inc.	Praxair Carbon Dioxide Production Plant	Sarnia	ON
2860	39	Praxair Distribution	Edmonton Plant	Edmonton	AB
5809	29	Precise Castings Inc.		Stratford	ON
2597	32	Precision Finished Components		North Sydney	NS
4529	16	Precisioneering Ltd.		Scarborough	ON
4478	30	Premdor Entry Systems	Peppermill	Mississauga	ON
4352	25	Premoule Inc.		Ste-Foy	QC
2683	32	Presstran Industries		St. Thomas	ON
5483	33	Primetech Electronique Inc.		Kirkland	QC
4140	07	PrimeWest Energy Inc.	East Crossfield Gas Plant	Crossfield	AB



**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
5107	25	Princeton Wood Preservers Ltd.		Princeton	BC
5660	32	Procor Limited	Oakville	Oakville	ON
1976	37	Procter & Gamble	Procter & Gamble Brockville Plant	Brockville	ON
0327	27	Procter & Gamble	Weston Site	Toronto	ON
3242	27	Produite forestiers Donohue Inc.	Usine de pâte Kraft	Saint-Félicien	QC
5497	16	Produits Alcove Ltée		Saint-Hyacinthe	QC
1083	15	Produits American Biltrite Ltée		Sherbrooke	QC
4382	37	Produits Chemcraft Inc.		Princeville	QC
0322	37	Produits Chimiques Expro Inc.		Valleyfield	QC
4802	37	Produits Chimiques Handy Ltée	Usine de Candiach	Candiach	QC
5484	37	Produits Chimiques Magnus Ltée		Boucherville	QC
5524	25	Produits forestiers Alliance Bois Traite Inc.		Degelis	QC
1979	27	Produits forestiers Alliance Inc.	Papeterie de Dolbeau	Dolbeau-Mistassini	QC
5527	27	Produits forestiers Alliance Inc.	Papeterie de Donnacona	Donnacona	QC
2001	27	Produits Forestiers Donohue Inc.	Baie-Comeau	Baie-Comeau	QC
4803	27	Produits Forestiers Donohue Inc.	Usine de Clermont	Clermont	QC
4404	51	Produits Lubri-Delta Inc.		Laval	QC
4128	16	Produits Multifoam International Inc.		St-Nicéphore	QC
3127	36	Produits Shell Canada	Raffinerie de Montréal-Est	Montréal-Est	QC
1987	37	Progress Plastics & Compounds		Mississauga	ON
0116	16	Progress Plastiques Cie	Usine rue Canadien	Drummondville	QC
5416	37	Progress Plastiques Cie	Usine rue Farrell	Drummondville	QC
5927	30	Progressive Anodizers Inc.	Plant	Scarborough	ON
2505	28	Progressive Packaging Limited	Aurora Plant	Aurora	ON
1990	37	Prospec Chemicals		Sturgeon County	AB
2543	30	Protec Finishing Ltd.		Mississauga	ON
5485	39	Protech Chemicals	Montréal Site	Saint-Laurent	QC
5525	39	Protech Chemicals Ltd.	Toronto Site	North York	ON
1994	27	Provincial Papers Inc.		Thunder Bay	ON
4367	32	Prévost Car Inc.	Usine du boulevard Gagnon	Sainte-Claire	QC
4368	32	Prévost Car Inc.	Usine de la rue Prévost	Sainte-Claire	QC
2591	32	Pullmatic Mfg.		Markham	ON
5736	30	Pure Metal Galvanizing	Mississauga Plant	Mississauga	ON
5737	30	Pure Metal Galvanizing	Rexdale Plant	Rexdale	ON
5181	37	Purity Water Treatment Products Inc.		Surrey	BC
5824	33	Pyroil Canada Limited		Mississauga	ON
5523	16	Pélican International Inc.		Laval	QC
3634	37	Pétromont, société en commandite	Usine de Varennes	Varennes	QC
3635	37	Pétromont, société en commandite	Usine de Montréal-Est	Montréal-Est	QC
4806	29	Qit-Fer et Titane Inc.	Complexe métallurgique de Sorel-Tracy	Sorel-Tracy	QC
5264	37	Quadra Chemicals Ltd.	Edmonton	Edmonton	AB
4947	30	Quali-T-Galv Inc.		LaSalle	QC
5467	28	Québecor World Inc.	Québecor World LaSalle	LaSalle	QC
3447	28	Québecor World Inc.	Québecor World Islington	Etobicoke	ON
4744	28	Québecor World Inc.	Québecor World Graphique-Couleur	Laval	QC
5531	28	Québecor World Inc.	Québecor World MIL Inc.	Don Mills	ON
2553	27	Quesnel River Pulp Co.		Quesnel	BC
3864	37	Quest International Canada Inc.	Brantford Site	Brantford	ON
5333	39	Raider Industries	Plant 2 - Cap Division	Moose Jaw	SK
5332	39	Raider Industries Inc.	Plant 1 - LoRider Division	Drinkwater	SK
5890	10	Ralston Purina Canada Inc.	Mississauga Plant	Mississauga	ON
2488	25	Ram Forest Products Inc.	Vandorf	Vandorf	ON
5046	83	Ramea	Ramea Waste Disposal Site	Ramea	NF
2473	30	Ranger Metal Products Limited	Plant One	Guelph	ON

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./Terr.
4705	30	Rapistan Systems		Mississauga	ON
4720	37	Raylo Chemicals Inc.	Argyll Road Site	Edmonton	AB
5245	37	Raylo Chemicals Inc.	Clover Bar Site	Edmonton	AB
4536	25	Raywal Ltd.	Main Plant	Thornhill	ON
4548	37	RDL Ltd.		Pickering	ON
2011	37	Reagens Canada Limited		Bradford	ON
0776	37	Reckitt & Colman PLC	Reckitt & Colman Canada	Toronto	ON
0790	39	Recochem (B.C.) Inc.	Nisku	Nisku	AB
0784	39	Recochem (B.C.) Inc.	Port Coquitlam	Port Coquitlam	BC
0778	39	Recochem Inc.	Brampton	Brampton	ON
0781	39	Recochem Inc.	Saint-Laurent	Saint-Laurent	QC
2799	29	Recyclage d'Aluminium Québec Inc.		Bécancour	QC
2801	29	Recyclage d'Aluminium Québec Inc.		Baie-Comeau	QC
2016	10	Redpath Sugars, div. of Tate & Lyle North American Sugars Ltd.	Toronto Refinery	Toronto	ON
5685	30	Regional Die Casting Limited	Manufacturing Location	Stoney Creek	ON
4767	49	Regional Municipality of Durham	Oshawa Water Supply Plant	Oshawa	ON
4780	49	Regional Municipality of Durham	Whitby Water Supply Plant	Whitby	ON
4908	49	Regional Municipality of Durham	Duffin Creek W.P.C.P.	Pickering	ON
4771	83	Regional Municipality of Halton	Skyway Wastewater Treatment Plant	Burlington	ON
3674	49	Regional Municipality of Niagara	DeCew Falls Water Treatment Plant	Fonthill	ON
3677	49	Regional Municipality of Niagara	Niagara Falls Water Pollution Control Plant	Niagara Falls	ON
3680	49	Regional Municipality of Niagara	Port Dalhousie Pollution Control Plant	St. Catharines	ON
3683	49	Regional Municipality of Niagara	Port Weller Water Pollution Control Plant	St. Catharines	ON
3686	49	Regional Municipality of Niagara	Seaway Water Pollution Control Plant	Port Colborne	ON
5613	49	Regional Municipality of Niagara	Fort Erie Water Pollution Control Plant	Fort Erie	ON
5614	49	Regional Municipality of Niagara	Welland Water Pollution Control Plant	Welland	ON
5612	49	Regional Municipality of Niagara	Grimby Water Pollution Control Plant	Grimby	ON
6501	83	Regional Municipality of Wood Buffalo	Fort McMurray Water Treatment Plant	Fort McMurray	AB
6502	83	Regional Municipality of Wood Buffalo	Aerated Sewage Lagoon	Fort McMurray	AB
6503	83	Regional Municipality of Wood Buffalo	Fort Chipewyan Water Treatment Plant	Fort Chipewyan	AB
2022	37	Reichhold Limited	Weston Plant	Weston	ON
0793	37	Reichhold Limited	Port Moody Plant	Port Moody	BC
4807	37	Reichhold Limited	Reichhold, Ltd. - Pte. Claire Site	Pointe-Claire	QC
2031	16	Reinforced Plastic Systems Inc.	Mahone Bay Plant	Mahone Bay	NS
5721	39	Reko International Group Inc.	Reko Tool & Mould (1987) Inc.	Oldcastle	ON
0798	29	Reliance Foundry Co. Ltd.		Surrey	BC
4605	30	Reliance Steel Fabricators Ltd.	Tilbury	Tilbury	ON
5314	30	Renbec Industries Ltd.		Calgary	AB
5047	83	Rencontre East	Rencontre East Incinerator	Rencontre East	NF
4981	55	René Matériaux Composites Ltée		Saint-Éphrem-de-Beauce	QC
4376	35	Resco Canada Inc.	Marelan Plant	Grenville	QC
5837	30	Resistance Welding Products (1987) Ltd.	Blenheim Facility	Blenheim	ON
4922	06	Ressources Breakwater	Mine Langlois	Lebel-sur-Quévillon	QC
5400	06	Ressources Breakwater	Mine Bouchard-Hébert	Cléricy	QC

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
4835	32	Reynolds-Lemmerz Industries		Collingwood	ON
2057	33	Rheem Canada Ltd./Ltée	Water Heater Division	Hamilton	ON
4397	35	RHI Canada Inc.		Bécancour	QC
2996	37	Rhodia Canada Inc.	Valleyfield Plant	Valleyfield	QC
0800	37	Rhodia Canada Inc.	Cooksville Plant	Mississauga	ON
1054	37	Rhodia Canada Inc. (was Albright & Wilson Americas Limited)	Port Maitland Plant (take over name changed in 2000)	Lowbanks	ON
1051	37	Rhodia Canada Inc. (Albright & Wilson Amérique Ltée)	Usine de Buckingham	Buckingham	QC
5143	25	Richmond Plywood Corp. Ltd.		Richmond	BC
1414	25	Rideau Forest Products Inc.		Kemptville	ON
5396	10	Ridley Inc.	Feedrite Winnipeg	Winnipeg	MB
5397	10	Ridley Inc.	Feedrite Brandon	Brandon	MB
5398	10	Ridley Inc.	Feedrite Linden	Linden	AB
5399	10	Ridley Inc.	Feedrite St. Paul	St. Paul	AB
6500	10	Ridley Inc.	Quality Feeds Lacombe	Lacombe	AB
0804	37	Rieger Flexo and Gravure		Downsview	ON
3015	32	Rimply		Newmarket	ON
3753	07	Rio Alto Exploration Ltd.	Gold Creek Gas Plant	Grande Prairie	AB
5683	16	Risdon AMS (Canada), Inc.	Barrie Plant	Barrie	ON
2544	29	Riverside Brass	Riverside Brass & Aluminum Foundry	New Hamburg	ON
4978	29	Riverside Brass Ltd.		New Hamburg	ON
5184	25	Riverside Forest Products Limited	Ashcroft Treating	Ashcroft	BC
2060	37	Roberts Company Canada Ltd.		Brampton	ON
1417	01	Roche Vitamins Canada Inc.	Cambridge Premix	Cambridge	ON
4549	37	Rochester Midland Limited		Oakville	ON
5212	25	Rocky Wood Preservers		Rocky Mountain House	AB
0947	10	Rogers Sugar Limited	Taber Beet Sugar Factory	Taber	AB
0941	10	Rogers Sugar Limited	Vancouver Sugar Refinery	Vancouver	BC
2065	37	Rohm and Haas Canada Inc.	West Hill Plant	West Hill	ON
0806	37	RohMax Canada Inc.	Morrisburg Plant	Morrisburg	ON
4789	27	Rolland Inc.	Fibres Breakey, division de Rolland Inc.	Breakeyville	QC
4383	32	Rolls-Royce Canada Ltd.		Lachine	QC
3019	32	Rollstamp		Concord	ON
5487	10	Rothsay Laurencio	Laurencio	Sainte-Catherine	QC
2068	10	Rothsay, Member of Maple Leaf Foods	Moorefield Site	Mapleton Township	ON
2593	32	Roto-Form		Rexdale	ON
5126	35	Roxul West Inc.		Grand Forks	BC
5687	35	ROXUL, Inc.	Milton Plant	Milton	ON
4820	30	Royal Canadian Mint	Winnipeg Plant	Winnipeg	MB
5602	30	Royal Canadian Mint	Ottawa	Ottawa	ON
5796	16	Royal Plastics Inc.		Concord	ON
5728	37	Royal Polymers Limited	Sarnia PVC Plant	Sarnia	ON
4413	16	Roytec Vinyl Co.		Woodbridge	ON
4597	56	Ruff Clarkson Steel Limited		Brantford	ON
5696	56	Russel Metals	Drummond McCall	Winnipeg	MB
5690	56	Russel Metals	Russel Metals - Halifax	Lakeside	NS
5682	56	Russel Metals Inc.	Russel Metals	Calgary	AB
5681	56	Russel Metals Inc.		Lachine	QC
5283	30	Russel Metals Inc.	Edmonton	Edmonton	AB
5695	56	Russel Metals Inc.		Saskatoon	SK
5766	56	Russel Metals Inc.	Russel Metals - Burlington	Burlington	ON
5680	56	Russel Metals Inc.	Russel Metals	Regina	SK
5686	56	Russel Metals Inc.	Russel Metals Winnipeg, Div. of Russel Metals Inc.	Winnipeg	MB

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
3087	37	RW Packaging Ltd.	Winnipeg Plant	Winnipeg	MB
3088	37	RW Packaging Ltd.	Edmonton Plant	Edmonton	AB
4851	49	Régie d'aqueduc intermunicipale des moulins (R.A.I.M.)	Usine de filtration	Terrebonne	QC
5546	49	Régie intermunicipale de gestion des déchets de la rive sud		Lévis	QC
2088	33	S&C Electric Canada Ltd.		Toronto	ON
5012	07	Sable Offshore Energy Inc.	Goldboro Gas Plant	Goldboro	NS
5019	07	Sable Offshore Energy Inc.	Point Tupper Fractionation Plant	Port Hawkesbury	NS
4772	36	Safety-Kleen Canada Inc.	Oil Recovery Division	Breslau	ON
5928	99	Safety-Kleen Canada Inc.	SK Chelmsford	Chelmsford	ON
5440	99	Safety-Kleen Canada Inc.	Centre de transfert de Boucherville	Boucherville	QC
5421	99	Safety-Kleen Canada Inc.	Centre de recyclage de Saint-Constant	Saint-Constant	QC
5729	99	Safety-Kleen Canada Inc.	SK Brampton	Brampton	ON
5730	99	Safety-Kleen Canada Inc.	Nepean Branch	Nepean	ON
5011	77	Safety-Kleen Ltd.	Debert Central Transfer Facility	Debert	NS
5100	99	Safety-Kleen Ltd.	Delta Service Centre	Delta	BC
2537	37	Safety-Kleen Ltd.	Safety-Kleen Lambton Facility	Corunna	ON
4871	99	Safety-Kleen Ltd.	Ryley Facility	Ryley	AB
4948	99	Safety-Kleen Ltd.		Mississauga	ON
5625	49	Safety-Kleen Ltd.	Safety-Kleen (Niagara) Ltd.	Thorold	ON
5888	99	Safety-Kleen Ltd.	London Service Center	London	ON
5677	35	Saint-Gobain Ceramic Materials Canada Inc.	Chippawa	Niagara Falls	ON
4708	19	Saint-Gobain Technical Fabrics Canada Limited		St. Catharines	ON
5674	19	Saint-Gobain Technical Fabrics Canada Limited	Midland Facility	Midland	ON
4302	19	Samson Rope Technologies		Richmond	BC
3889	29	Samuel-Acme Strapping Systems	Mississauga Location	Mississauga	ON
0090	30	Samuel-Acme Strapping Systems	Scarborough Location	Scarborough	ON
4524	29	Sandvik Steel Canada		Arnprior	ON
0813	37	Sani-Marc Inc.	Fabricant de produits chimiques	Victoriaville	QC
5257	07	Sanjel Corporation	Red Deer Station	Red Deer	AB
5258	07	Sanjel Corporation	Estevan Station	Estevan	SK
5259	07	Sanjel Corporation	Grande Prairie Station	Grande Prairie	AB
5260	07	Sanjel Corporation	Medicine Hat Station	Medicine Hat	AB
5261	07	Sanjel Corporation	Slave Lake Station	Slave Lake	AB
5297	07	Sanjel Corporation	Fort St. John	Fort St. John	BC
5509	10	Saputo Foods Limited Inc.	Cookstown Plant	Cookstown	ON
2077	37	Saskferco Products Inc.	Saskferco Products Belle Plaine	Belle Plaine	SK
2085	41	SaskPower	Queen Elizabeth Power Station	Saskatoon	SK
2079	41	SaskPower	Poplar River Power Station	Coronach	SK
2081	41	SaskPower	Boundary Dam Power Station	Estevan	SK
2083	41	SaskPower	Shand Power Station	Estevan	SK
2512	15	Scandura Inc.	Bracebridge Plant	Bracebridge	ON
0799	39	Scapa Tapes North America		Renfrew	ON
4175	37	Schenectady Canada Ltd.	Manufacturing Plant	Toronto	ON
2091	37	Schering Canada Inc.	Schering Division Pointe-Claire	Pointe-Claire	QC
4532	16	Schlegel Canada Inc.	Canadian Operations	Oakville	ON
4333	37	Schmidt Printing Inks Ltd.		Montréal	QC
4542	33	Schneider Canada Inc.	Waterman Plant	Toronto	ON
4900	33	Schneider Canada Inc.	Bramalea Plant	Brampton	ON
0814	37	Schwartz Chemical of Canada Limited	Schwartz	Pickering	ON
5604	33	SCI Brockville Corp.		Brockville	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
5150	27	Scott Paper Limited	Western Manufacturing Division	New Westminster	BC
5182	37	Seastar Chemicals Inc.		Sidney	BC
5159	25	Seehta Forest Products Ltd.	Brewster Mill	Slave Lake	AB
2106	37	Selectone Paints Limited		Weston	ON
5156	25	Selkirk Forest Products		Galloway	BC
4635	10	Sensient Flavors Canada Inc.		Cornwall	ON
1042	49	Sensor Environmental Services Ltd.	Swan Hills Treatment Centre	Swan Hills	AB
5449	99	Services Safety-Kleen (Mercier) Ltée	Les Services Safety-Kleen (Mercier) Ltée	Mercier	QC
5454	99	Services Safety-Kleen (Québec) Ltée	Les Services Safety-Kleen (Québec) Ltée	Sainte-Catherine	QC
5455	77	Services Safety-Kleen (Québec) Ltée	Centre de transfert de Thurso	Thurso	QC
4002	46	Shaw Pipe Protection Limited		Edmonton	AB
4006	46	Shaw Pipe Protection Limited		Calgary	AB
4008	46	Shaw Pipe Protection Limited		Camrose	AB
4010	46	Shaw Pipe Protection Limited		Regina	SK
4012	46	Shaw Pipe Protection Limited		Welland	ON
5624	33	Shawflex	Rexdale	Rexdale	ON
1036	49	Sheerness Generating Station		Hanna	AB
2129	25	Shelburne Wood Processing Limited		Shelburne	ON
2108	07	Shell Canada Limited	Waterton Complex	Pincher Creek	AB
2119	07	Shell Canada Limited	Jumping Pound Complex	Calgary	AB
2120	07	Shell Canada Limited	Shell Caroline Complex	Caroline	AB
2128	07	Shell Canada Limited	Peace River Complex	Peace River	AB
2781	07	Shell Canada Limited	Shell Burnt Timber Complex	Caroline	AB
5288	07	Shell Canada Limited	Shell Shantz Sulphur Forming Facility	Caroline	AB
3962	36	Shell Canada Products	Sarnia Manufacturing Centre	Corunna	ON
2960	36	Shell Canada Products	Shell Scotford Refinery	Fort Saskatchewan	AB
2122	36	Shell Canada Products Limited	Brockville	Brockville	ON
4906	36	Shell Canada Products Limited	Calgary Plant	Calgary	AB
2125	37	Shell Chemicals Canada Ltd.	Sarnia IPA Plant	Corunna	ON
2963	37	Shell Chemicals Canada Ltd.	Scotford Chemical Plant	Fort Saskatchewan	AB
2132	37	Sherritt International Corporation	Fort Saskatchewan	Fort Saskatchewan	AB
1931	37	Sherwin-Williams Canada	Fort Erie Plant	Fort Erie	ON
2703	37	Sherwin-Williams Company		Brampton	ON
5678	28	Shorewood Corporation of Canada	Shorerwood Carton Corporation Ltd.	Scarborough	ON
2133	36	Shrader Canada Limited	Shrader Canada	Oakville	ON
2149	30	Shur-Fast Fasteners Inc.		Montréal	QC
4183	10	Shur-Gain	Weston Division	Toronto	ON
5496	50	Shur-Gain - St-Hyacinthe		Saint-Hyacinthe	QC
3454	37	SICO Inc.	SICO #1 BEAUPORT	Beauport	QC
3456	37	SICO Inc.	SICO #2 LONGUEUIL	Longueuil	QC
3458	37	SICO Inc.	SICO #4 PRILCO	Etobicoke	ON
3460	37	SICO Inc.	SICO #6 MULCO	Saint-Hubert	QC
5538	37	SICO Inc.	SICO #25 BRANTFORD	Brantford	ON
5855	32	Siemens Automotive Inc.	AT PT EM	Chatham	ON
5913	16	Siemens Automotive Inc.	Siemens Automotive Inc. AFM	Windsor	ON
4020	32	Siemens Canada Limited	Siemens Automotive Inc. NAMO	London	ON
5489	33	Siemens Canada Limitée	Opérations de Drummondville	Drummondville	QC
5856	33	Siemens Canada Limited	Brampton Applications Center	Brampton	ON
4550	31	Siemens Westinghouse		Hamilton	ON
5864	33	Siemens Westinghouse, ICG, div of Seimens Canada Limited	St. John's Repair Plant	St. John's	NF
5865	33	Siemens Westinghouse, ICG, div of Siemens Canada Limited	Kirkland Lake Repair Plant	Kirkland Lake	ON

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC Code	Company Name	Facility Name	City	Prov./Terr.
5866	33	Siemens Westinghouse, ICG, div of Siemens Canada Limited	Moncton Repair Plant	Moncton	NB
5867	33	Siemens Westinghouse, ICG, div of Siemens Canada Limited	Hamilton Transformer Facility	Hamilton	ON
5868	33	Siemens Westinghouse, ICG, div of Siemens Canada Limited	Sarnia Repair Plant	Sarnia	ON
5951	33	Siemens Westinghouse, ICG, div of Siemens Canada Limited	Custom Components Manufacturing	Burlington	ON
2152	35	Sifto Canada Inc.	Unity Plant	Unity	SK
5870	37	Signal Inc.		Toronto	ON
2515	37	Simplot Canada Limited		Brandon	MB
3032	29	Sivaco Ontario		Ingersoll	ON
3812	30	Sivaco Québec	Usine de fabrication de fils métalliques	Marieville	QC
5896	30	SKD Company	SKD Company, Brampton	Brampton	ON
5154	25	Skeena Cellulose Inc.	Carnaby Operation	South Hazelton	BC
2158	27	Skeena Cellulose Inc.	Skeena Pulp Operations	Port Edward	BC
4447	31	Skyjack Inc.	Head Office	Guelph	ON
5875	31	Skyjack Inc.	Skyjack Inc. - Georgetown Facility	Georgetown	ON
3158	29	Slater Stainless Corp.	Atlas Specialty Steels	Welland	ON
3953	29	Slater Stainless Corp.	Aciers inoxydables Atlas	Sorel-Tracy	QC
2161	29	Slater Steels Inc.	Hamilton Specialty Bar Division	Hamilton	ON
3959	27	Slave Lake Pulp		Slave Lake	AB
2574	32	Slide-Master		Newmarket	ON
1257	27	Slocan Forest Products Ltd., Taylor Pulp Division	Taylor Pulp Division	Taylor	BC
5127	25	Slocan Group	PolarBoard Division	Fort Nelson	BC
5178	25	Slocan Group	Tackama Division	Fort Nelson	BC
2164	37	Sluyter Company Ltd.		Markham	ON
2167	37	Smith & Nephew Inc.		Lachine	QC
2219	27	Smurfit-Stone Container (Canada) Inc.	Bathurst Division	Bathurst	NB
5840	30	Snap On Tools of Canada Ltd.	Newmarket Manufacturing Plant	Newmarket	ON
4388	37	SNC Technologies Inc.	Division Le Gardeur	Le Gardeur	QC
4389	30	SNC Technologies Inc.	Division de Saint-Augustin	Saint-Augustin-de-Desmaures	QC
4348	37	Société Laurentide Inc.	Usine de Montréal	Montréal	QC
4349	37	Société Laurentide Inc.	Usine de Shawinigan-Sud	Shawinigan-Sud	QC
2038	29	Société Canadienne de Métaux Reynolds Ltée	Aluminerie de Baie-Comeau	Baie-Comeau	QC
4350	37	Société Chimique Laurentide, Atlantic Ltée	Usine de Richibucto, plan #1	Richibucto	NB
5417	37	Société Chimique Laurentide, Atlantic Ltée	Usine de Richibucto, plan # 2	Richibucto	NB
5526	25	Société en commandite Tafisa Canada		Lac-Mégantic	QC
3123	33	Société Viasystems Canada S.E.N.C	Pointe-Claire	Pointe-Claire	QC
3125	33	Société Viasystems Canada S.E.N.C.	Kirkland	Kirkland	QC
3124	33	Société Viasystems Canada S.E.N.C.	Granby	Granby	QC
1648	37	Solutia Canada Inc.	Produits chimiques	LaSalle	QC
1263	28	Sonoco Flexible - Terrebonne		Terrebonne	QC
0371	28	Sonoco Flexible Packaging	Richmond	Richmond	BC
4311	28	Sonoco Flexible Packaging Canada Corporation	Toronto Facility	Mississauga	ON
5499	37	Soprema	Usine de Drummondville	Drummondville	QC
4328	39	Sorevco Inc.	Sorevco société en commandite	Coteau-du-Lac	QC
2975	15	Soucy Techno Inc.		Rock Forest	QC
5653	25	South River Forest Products Inc.		South River	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
5699	28	Southern Graphic Systems, Inc.	Southern Graphic Systems, Canada	Mississauga	ON
5374	29	Sovereign Castings Ltd.		Calgary	AB
5950	16	Spartan Plastics Canada Ltd.		London	ON
5743	16	Spartech Color		Stratford	ON
4994	27	Specialized Packaging London		London	ON
4440	29	Specialty Cast Metals Limited		Niagara Falls	ON
5923	30	Spectra Aluminum Products		Woodbridge	ON
2168	39	Spectra Anodizing Ltd.		Woodbridge	ON
0530	32	Spectra Premium Industries	SPI Heat Transfer Division	Calgary	AB
2329	55	Spectra Premium Industries H.T.D	SPI Heat Transfer Division	Stratford	ON
2785	27	SPEXEL Inc.	Spixel Inc. Papiers fins de spécialité	Beauharnois	QC
5770	32	Splitcraft		Concord	ON
5425	39	Sport Maska Inc.	Division bâton de hockey Drummondville	Drummondville	QC
2517	25	Spray Lake Sawmills (1980) Ltd.		Cochrane	AB
2173	27	Spruce Falls Inc.		Kapuskasing / District of Cochrane	ON
4788	27	Spruce Falls Inc. / Division Tembec Matane		Matane	QC
4798	27	Spruce Falls, Tembec, Groupe des papiers	Usine Saint-Raymond	Saint-Léonard-de-Portneuf	QC
3810	06	St. Andrew Goldfields Ltd.	Stock Mine	Matheson	ON
2181	27	St. Anne-Nackawic Company Ltd.		Nackawic	NB
0639	35	St. Lawrence Brick	Canada Brick, St Lawrence Plant	La Prairie	QC
2182	35	St. Lawrence Cement	Mississauga Cement Plant	Mississauga	ON
5859	27	St. Marys Paper Ltd.		Sault Ste. Marie	ON
5450	37	St-Jean Photochemicals Inc.		Saint-Jean-sur-Richelieu	QC
5491	77	Stablex Canada Inc. (Centre de traitement de résidus indust )		Blainville	QC
3980	32	Stackpole Limited	Pump Components Division	Toronto	ON
3983	32	Stackpole Limited	Automotive Gear Division	Mississauga	ON
3986	32	Stackpole Limited	Stackpole Carrier Systems Division	Stratford	ON
4346	37	Stahl Canada Ltée		Saint-Laurent	QC
4539	29	Standard Induction Castings Inc.		Windsor	ON
2176	15	Standard Products (Canada) Limited	Rubber Plant 1	Stratford	ON
4409	15	Standard Products (Canada) Limited	Rubber Plant 2 & 8	Stratford	ON
4410	15	Standard Products (Canada) Limited	Rubber Plant 3	Stratford	ON
4411	15	Standard Products (Canada) Limited	Rubber Plant 4	Mitchell	ON
4846	24	Stanfield's Limited	Stanfield's Limited Truro Plant	Truro	NS
5793	39	Stanley Manufacturing Company Inc.	Stanley Plant	Toronto	ON
2207	37	Stanley Pharmaceutical, Division of Vita Health Products	Liquids Plant	North Vancouver	BC
2559	15	Stedfast Inc.	Stedfast	Granby	QC
5280	30	Steel-Craft Door Products Ltd.	Main Plant-Edmonton	Edmonton	AB
2204	26	Steelcase Inc.	Steelcase Canada Ltd	Markham	ON
5948	30	Steelwood Entry Systems Inc.	Steelwood	Woodbridge	ON
2984	29	Stelco Inc.	Hilton Works	Hamilton	ON
2986	29	Stelco McMaster Ltée		Contrecoeur	QC
3568	30	Stelfil Ltée	Lachine	Lachine	QC
2560	25	Stella-Jones Inc.	Guelph Utility Pole Company Ltd	Guelph	ON
2909	25	Stella-Jones Inc.	Usine de Delson	Delson	QC
2912	25	Stella-Jones Inc.	Prince George Plant	Prince George	BC
4609	25	Stella-Jones Inc.	Truro Plant	Truro	NS
4610	25	Stella-Jones Inc.	New Westminster Plant	New Westminster	BC
3403	29	Stelpipe Ltd.	Stelpipe	Welland	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
3037	30	Stelwire Ltd.	Burlington Works	Burlington	ON
4045	30	Stelwire Ltd.	Parkdale Works	Hamilton	ON
2216	37	Stepan Canada Inc.	Longford Mills Plant	Longford Mills	ON
2210	39	Sterling Marking Products Inc.	Main Branch	London	ON
2475	37	Sterling Pulp Chemicals	Buckingham Plant	Buckingham	QC
2074	37	Sterling Pulp Chemicals Ltd.	Sterling Pulp Chemicals (Sask.) Ltd.	Saskatoon	SK
2796	37	Sterling Pulp Chemicals Ltd.	Sterling Pulp Chemicals Ltd., Grande Prairie	Grande Prairie	AB
2490	37	Sterling Pulp Chemicals Ltd.	Thunder Bay Plant	Thunder Bay	ON
3781	37	Sterling Pulp Chemicals Ltd.	North Vancouver Plant	North Vancouver	BC
1224	32	Sterling, Division of Freightliner Limited	St. Thomas Truck Assembly Plant	St. Thomas	ON
3040	37	Sternson Limited	Water Treatment Division, Oak Park Road Operations	Brantford	ON
5936	33	STMicroelectronics (Canada) Inc.	Corkstown Campus	Nepean	ON
2221	27	Stora Enso	Stora Enso Port Hawkesbury Limited	Port Hawkesbury	NS
4831	27	Strathcona Paper Company, a division of Roman Corporation	Strathcona Paper Company	Napanee	ON
3250	37	StyroChem International, Ltd.	StyroChem Canada, Ltd.	Baie-d'Urfé	QC
3043	10	Sucre Lantic Limitée	Raffinerie de Montréal	Montréal	QC
1156	37	Sulco Chemicals Limited	Elmira Plant	Elmira	ON
2229	37	Sulconam Inc.	Sulphur Plant	Montréal-Est	QC
5109	37	Sun Chemical Ltd.	Boucherville	Boucherville	QC
4833	37	Sun Chemical Ltd.	Brampton	Brampton	ON
5121	37	Sun Chemical Ltd.	Anjou	Montréal	QC
2260	37	Sun Chemical Ltd.	Burlington	Burlington	ON
4310	37	Sun Chemical Ltd.	Richmond	Richmond	BC
2223	07	Suncor Energy Inc.	Suncor Natural Gas - South Rosevear Gas Plant	Edson	AB
2225	07	Suncor Energy Inc.	Suncor Natural Gas - North Rosevear Gas Plant	Edson	AB
2227	07	Suncor Energy Inc.	Suncor Natural Gas - Simonette Production Complex	Valleyview	AB
2230	07	Suncor Energy Inc.	Suncor Energy Inc. Oil Sands	Fort McMurray	AB
3071	36	Sunoco Inc.	Sarnia Refinery	Sarnia	ON
4827	25	Sunpine Forest Products Ltd.	Treating Plant	Sundre	AB
0968	33	Superior Cable Corporation	Winnipeg Plant	Winnipeg	MB
4865	33	Surette Battery Company Limited		Springhill	NS
4204	29	Sydney Steel Corporation	Sydney Steel Corp.	Sydney	NS
2274	07	Syncrude Canada Ltd.	Mildred Lake Plant Site	Fort McMurray	AB
5492	33	Systèmes SCI (Canada) Inc.	Usine 17	Pointe-Claire	QC
5284	07	Talisman Energy Inc.	Edson Gas Plant	Edson	AB
5366	25	Tall Pine Timber Co. Ltd.		Lodgepole	AB
5933	16	Talmolder Inc.		Downsview	ON
2278	06	Tantalum Mining Corporation of Canada Limited	Bernic Lake Minesite	Lac du Bonnet	MB
4849	16	Tarxien Components Corporation	Paint Facility	Concord	ON
4057	37	Technical Coatings Co. Limited	Technical Coatings	Burlington	ON
4991	63	Techno Strip Ltd.		Brampton	ON
2948	27	Tembec Inc.	Site de Témiscaming	Témiscaming	QC
1185	27	Tembec Inc.	Pulp Group Skookumchuck Operations	Skookumchuck	BC
2951	37	Tembec Inc.	Groupe des produits chimiques : lignines et résines	Témiscaming	QC
2957	37	Tembec Inc.	Groupe des produits chimiques : alcool	Témiscaming	QC



**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
4386	25	Tembec Inc.	Panneaux Tembec OSB	Saint-Georges-de-Champlain	QC
5142	25	Tembec Industries Inc.	Elko Sawmill	Cranbrook	BC
1596	27	Tembec Industries Inc.	Pulp Group, Smooth Rock Falls Division	Smooth Rock Falls	ON
5609	25	Temple Pembroke Inc.		Pembroke	ON
5672	32	Tenneco Automotive	Walker Exhausts	Cambridge	ON
1645	55	Tenneco Canada Inc.	Tenneco (Automotive) Canada Inc. - Monroe	Owen Sound	ON
2233	37	Terra International Canada Ltd.	Terra Nitrogen	Courtright	ON
4931	37	Textile Rubber & Chemical Canada (Ltd.)		Saint-Jean-d'Iberville	QC
3253	19	Textiles Monterey	Textiles Monterey Inc.	Drummondville	QC
1357	32	Textron	Guelph Products	Guelph	ON
0571	16	Textron Automotive Company	Textron Automotive Company - Port Hope Operations	Port Hope	ON
3778	32	The Boler Group	Hendrickson Spring	Stratford	ON
4774	30	The Butcher Engineering Enterprises Limited	Vank Kirk Plant	Brampton	ON
0139	30	The Butcher Engineering Enterprises Limited	Orenda	Brampton	ON
0642	37	The Canada Metal Company Limited		Toronto	ON
0658	37	The Canadian Salt Company Limited	Belle Plaine Facility	Belle Plaine	SK
4863	06	The Canadian Salt Company Limited	Windsor Plant	Windsor	ON
5382	49	The City of Calgary	Bearspaw Water Treatment Plant	Calgary	AB
5383	49	The City of Calgary	Glenmore Water Treatment Plant	Calgary	AB
5378	83	The City of Red Deer	Water Treatment Plant	Red Deer	AB
5250	25	The Clorox Company of Canada Ltd.	Kingsford Moose Jaw Plant	Moose Jaw	SK
4868	29	The Cobalt Refinery Company Inc.	Fort Saskatchewan	Fort Saskatchewan	AB
5799	30	The Gates Rubber Company	London Operations	London	ON
4511	10	The Hostess Frito-Lay Company	Cambridge Plant	Cambridge	ON
0423	36	The International Group Inc.	Agincourt Plant	Toronto	ON
4516	15	The Johnson Rubber Co., Canada Ltd.	Johnsonite	Waterloo	ON
4769	11	The Pepsi Bottling Group	The Pepsi Bottling Group - Mississauga	Mississauga	ON
5338	11	The Pepsi Bottling Group	PBG - Edmonton	Edmonton	AB
4858	11	The Pepsi Bottling Group (Canada), Co.	Pepsi Bottling Group - Winnipeg	Winnipeg	MB
5114	11	The Pepsi Bottling Group (Canada), Co.	The Pepsi Bottling Group - Delta	Delta	BC
2097	11	The Seagram Company Limited	Gimli Plant	Gimli	MB
4915	35	The Shaw Group Ltd., Shaw Brick Division	The Pepsi Bottling Group - Delta	Delta	BC
4885	39	The Westaim Corporation	Fort Saskatchewan Site	Fort Saskatchewan	AB
2927	16	The Woodbridge Group	Woodbridge Foam Corporation	Whitby	ON
2915	33	Therm-O-Disc Canada Ltd.		St. Thomas	ON
4414	30	Thermo Sealed Castings Ltd.		Burlington	ON
5738	32	Thomas Built Buses of Canada Ltd.		Woodstock	ON
2794	06	Thompson Creek Mining Ltd. - Endako Mines	Endako Mine	Fraser Lake	BC
2250	37	Thomson Gordon Group	Thordon Bearing Inc.	Burlington	ON
0070	32	TI Group Automotive Systems, Division of John Crane Inc.	Bramalea Plant	Bramalea	ON
5817	30	Tiercon Industries Inc.	Plastic Division, Coating Operation	Stoney Creek	ON
5190	35	Tilbury Cement Limited	Delta Cement Plant	Delta	BC
5836	37	Timber Preservatives	CCA Manufacturing Plant	Campbellville	ON

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC Code	Company Name	Facility Name	City	Prov./ Terr.
5835	31	Timberjack, Inc.	Fabrication/Assembly Plant	Woodstock	ON
4419	29	Timminco Limited	Haley	Haley	ON
4822	29	Titan Foundry Ltd.	Titan Foundry	Edmonton	AB
4307	30	Titan Steel & Wire Co. Ltd.		Surrey	BC
4637	32	TKA Fabco Corp.	Windsor	Windsor	ON
4891	32	TKA Fabco Corp.	Ridgetown Plant	Ridgetown	ON
4912	32	TKA Fabco Corp.		Dresden	ON
5704	30	TML Industries Ltd.		Pickering	ON
5952	39	Toledo Technologies	Sandco Automotive Heat Treat	Guelph	ON
0809	30	Toledo Technologies	Sandco Automotive Components Group	Hamilton	ON
5281	25	Tolko Industries Ltd.	Tolko OSB	High Prairie	AB
5393	25	Tolko Industries Ltd.	Manitoba Solid Wood Division	The Pas	MB
6504	25	Tolko Industries Ltd.	High Level Lumber Division	High Level	AB
2051	27	Tolko Manitoba Kraft Papers		The Pas	MB
2256	29	Tonolli Canada Limited	Tonolli Canada Ltd.	Mississauga	ON
2595	29	Toral Cast		Concord	ON
2281	30	Torcad Company		Toronto	ON
5755	25	Total Forest Industries Ltd.		Hagersville	ON
5038	83	Town of King's Point	Incinerator	King's Point	NF
5024	83	Town of Bonavista	Incinerator	Bonavista	NF
5025	83	Town of Burgeo	Burgeo Waste Disposal Site	Burgeo	NF
5027	83	Town of Change Island	Incinerator	Change Island	NF
5028	83	Town of Channel - Port aux Basques	Incinerator	Port aux Basques	NF
5029	83	Town of Clarendville	Incinerator	Clarendville	NF
5030	83	Town of Daniel's Harbour	Regional Incinerator	Daniel's Harbour	NF
5031	83	Town of Deer Lake	Incinerator	Deer Lake	NF
5032	83	Town of Englee	Incinerator	Englee	NF
5037	83	Town of Holyrood	Incinerator	Holyrood	NF
5039	83	Town of Lourdes	Incinerator	Lourdes	NF
5040	83	Town of Marystown	Waste Disposal Site Jean De Baie	Marystown	NF
5043	83	Town of Old Perlican	Town of Old Perlican - Bay de Verde Incinerator	Old Perlican	NF
5044	83	Town of Pasadena	Incinerator	Pasadena	NF
5048	83	Town of St. Anthony	Incinerator	St. Anthony	NF
5049	83	Town of St. George's	Incinerator	St. George's	NF
5050	83	Town of St. Lunaire-Griquet	Town of St. Lunaire-Griquet Waste Disposal Site	St. Lunaire-Griquet	NF
5051	83	Town of Stephenville	Incinerator	Stephenville	NF
5052	83	Town of Sunnyside	Sunnyside Area Incinerator Site	Sunnyside	NF
5056	83	Town of Twillingate	Incinerator	Durrell	NF
5054	83	Town of Wabush	Incinerator	Wabush	NF
5055	83	Town of Winterton	Winterton Incinerator and Landfill Site	Winterton	NF
5135	37	Toxco Waste Management Limited	Toxco - Trail Facility	Trail	BC
3790	32	Toyota Motor Manufacturing Canada Inc.		Cambridge	ON
5901	49	Tractebel Canada Inc.	West Windsor Power	Windsor	ON
2282	49	TransAlta Corporation	Wabamun Thermal Generating Plant	Wabamun	AB
2284	49	TransAlta Corporation	Sundance Thermal Generation Plant	Duffield	AB
2286	49	TransAlta Corporation	Kepphills Thermal Generating Plant	Duffield	AB
4872	49	TransAlta Corporation	Health Science Cogeneration Plant	Ottawa	ON
4873	49	TransAlta Corporation	Mississauga Cogeneration Plant	Mississauga	ON
5267	49	TransAlta Corporation	Windsor Cogeneration Plant	Windsor	ON
5352	49	TransAlta Corporation	Fort Saskatchewan Cogeneration Plant	Fort Saskatchewan	AB

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
3941	07	TransCanada Midstream	Harmattan Gas Plant	Olds	AB
5434	16	Transco Plastic Industries	Merizzi Plant	Saint-Laurent	QC
5671	30	TransTechnology Canada Corporation	Engineered Fasteners Operations	Hamilton	ON
3165	30	Traxle Mfg., Division of Linamar Corporation		Guelph	ON
5183	30	Tree Island Industries Ltd.		Richmond	BC
2298	37	TREMCO Canada division, RPM Canada	Toronto	Toronto	ON
2489	25	Trent Timber Treating Ltd.		Peterborough	ON
4993	30	TrentonWorks Ltd.	Trenton Works	Trenton	NS
4403	37	Tri-Tex Co. Inc.		Saint-Eustache	QC
5015	49	Trigen - PEI	Energy From Waste Plant	Charlottetown	PE
3091	37	Trillium Health Care Manufacturing	Trillium Health Care	Brockville	ON
2306	32	Triple E Canada	Lode-King Ind.	Winkler	MB
2304	32	Triple E RV Ltd.		Winkler	MB
2301	16	Triple M Fiberglass Mfg. Ltd.		Edmonton	AB
4425	37	Tristar Coatings Ltd.		Brampton	ON
2540	16	Troy Manufacturing Ltd.	Troy Mfg.	Elizabethtown Twp.	ON
2806	32	TRW Canada Ltd.	TRW Canada Ltd. (Plants 1 & 2)	St. Catharines	ON
2809	32	TRW Canada Ltd.	TRW Canada Ltd. (Plant 3)	Tillsonburg	ON
2812	32	TRW Canada Ltd.	TRW Canada Ltd. (Plant 4)	Tillsonburg	ON
3188	32	TRW Canada Ltd., OSS	Plant 4	Midland	ON
3190	32	TRW Canada Ltd., OSS	Plant 1	Midland	ON
2312	29	Tuyaux Wolverine (Canada) Inc.	Usine de Montréal-Est	Montréal-Est	QC
4487	30	Tyco International	Columbia-MBF	Mississauga	ON
3450	37	UCP Paints		Baie-D'Urfé	QC
2494	25	Ultract Louchel Inc.	Usine de préservation du bois	Maskinongé	QC
3928	36	Ultramarc Ltée	Raffinerie St-Romuald	Saint-Romuald	QC
4884	39	Umex Inc.	Battery Materials Production	Leduc	AB
5368	39	Umex Inc.	Cobalt Production Facility	Fort Saskatchewan	AB
1111	27	Uniboard Canada Inc.	Uniboard New Liskeard Inc.	New Liskeard	ON
0758	25	Uniboard Canada Inc.	Division Mont-Laurier	Mont-Laurier	QC
3381	37	Uniboard Canada Inc.	Unires	Val-d'Or	QC
2989	25	Uniboard Canada inc.	Division Sayabec	Sayabec	QC
4060	25	Uniboard Canada Inc.	Division Val-d'Or	Val-d'Or	QC
5442	25	Uniboard Canada Inc.	MDF La Baie Inc.	La Baie	QC
4377	30	Unican Security Systems Ltd.	Ilco Unican Inc. Capitol Division	Montréal	QC
5605	32	Unicell Limited		Toronto	ON
5666	35	Unicorn Abrasives of Canada Ltd.	Universal Grinding Wheel	Brockville	ON
5675	31	Unifin International Inc.		London	ON
4919	27	Uniforet Inc.	Uniforet Scierie Pate Inc.	Port-Cartier	QC
4864	97	Uniglove Services Ltd.		Hamilton	ON
3658	37	Unilever Canada, Division of UL Canada Inc.	HPCNA Toronto	Toronto	ON
3068	10	Unilever Canada, Division of UL Canada Inc.	Rexdale Plant	Rexdale	ON
5723	32	Unimotion Gear		Aurora	ON
2316	37	Union Carbide Canada Inc.	Prentiss Chemical Manufacturing Plant	Red Deer	AB
5852	37	Union Carbide Canada Inc.	Plant 62 Sarnia Acrylic Latex Plant	Sarnia	ON
5320	10	United Grain Growers	Edmonton Premix Plant	Edmonton	AB
5321	37	United Grain Growers	Vermilion	Vermilion	AB
5322	37	United Grain Growers	UGG Camrose	Camrose	AB
5323	37	United Grain Growers	UGG Valparaiso	Valparaiso	SK
5324	37	United Grain Growers	UGG Melville	Melville	SK
5326	37	United Grain Growers	UGG Canora	Canora	SK

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC (2) Code	Company Name	Facility Name	City	Prov./ Terr.
5329	37	United Grain Growers	Dundonald	Westbourne	MB
5331	37	United Grain Growers	Rycroft, AB	Rycroft	AB
5318	10	United Grain Growers / Unifeed Olds	Unifeed Olds, AB	Olds	AB
5241	10	United Grain Growers Limited	Lethbridge Unifeed Mill	Lethbridge	AB
5319	10	United Grain Growers Limited	Edmonton Unifeed Mill	Edmonton	AB
5325	37	United Grain Growers Limited	UGG Dixon	Dixon	SK
5327	37	United Grain Growers Limited	UGG Souris	Souris	MB
5328	37	United Grain Growers Limited	Fannystelle	Fannystelle	MB
5330	37	United Grain Growers Limited	Rosthern CPS	Rosthern	SK
5641	30	Unity Machining Ltd.		Burlington	ON
1617	27	UPM-Kymmene Miramichi Inc	Kraft Pulp and Paper Division	Miramichi	NB
1620	27	UPM-Kymmene Miramichi Inc.	Groundwood Division	Miramichi	NB
5129	56	VAE Nortrak Ltd.	VAE Nortrak Ltd	Richmond	BC
4428	16	Valle Foam Industries (1995) Inc.	Valle 1	Brampton	ON
4429	16	Valle Foam Industries Inc.	Valle 2	Brampton	ON
4707	30	Valley Metal Finishing (1983) Ltd.		Concord	ON
1353	37	Valspar, Incorporated		Cornwall	ON
2331	37	Valspar, Incorporated		West Hill	ON
3815	37	Valspar, Incorporated		London	ON
4723	45	Vancouver Wharves Limited Partnership		North Vancouver	BC
5371	25	Vanderwell Contractors (1971) Ltd.	Sawmill	Slave Lake	AB
4210	19	Velcro Canada Inc.		Brampton	ON
5949	32	Venest Industries		St. Catharines	ON
5654	30	Ventra Group Inc.	VMA - Cambridge	Cambridge	ON
4625	32	Ventra Group Inc.	VMA - Tottenham	Tottenham	ON
4909	32	Ventra Group Inc.	VMA - Beaverton	Beaverton	ON
5889	30	Ventra Group Inc.	VMA - Bradford	Bradford	ON
2656	16	Ventra Plastics	Peterborough	Peterborough	ON
5930	16	Venture Industries Canada Limited	Wallaceburg	Wallaceburg	ON
6510	25	Vermette Wood Preservers Ltd.		Spruce Home	SK
4622	35	Vesuvius Canada Refractories Inc.	Welland Manufacturing	Welland	ON
2070	37	VFT Inc.		Hamilton	ON
4951	06	Viceroy Minerals Corporation	Brewery Creek Mine	Dawson City	YT
5494	30	Victoria Précision Inc.		Montréal	QC
4811	49	Ville de Laval / Division eau potable	Usine de filtration Chomedey	Laval	QC
4818	49	Ville de Laval / Division eau potable	Usine de filtration Pont-Viau	Laval	QC
4817	49	Ville de Laval / Division eau potable	Usine de filtration Ste-Rose	Laval	QC
4385	49	Ville de Longueuil	Usine régionale (Longueuil)	Longueuil	QC
5528	49	Ville de Longueuil - Aquacers	Centre d'épuration Rive-Sud	Longueuil	QC
4810	49	Ville de Montréal	Usine Atwater	Verdun	QC
4813	49	Ville de Montréal	Usine Desbaillets	LaSalle	QC
4815	49	Ville de Pierrefonds	Usine de filtration	Pierrefonds	QC
4812	49	Ville de Pointe-Claire	Usine de traitement de l'eau	Pointe-Claire	QC
4372	49	Ville de Québec	Usine de traitement d'eau potable	Loretteville	QC
4354	41	Ville de Repentigny	Station de purification	Repentigny	QC
4816	49	Ville de Sainte-Foy	Usine de traitement d'eau	Sainte-Foy	QC
4917	49	Ville de Trois-Rivières	Usine de traitement d'eau	Trois-Rivières	QC
2048	37	Vinings Industries Canada Inc.	St. Catharines Plant	St. Catharines	ON
2355	16	Vintex Inc.	Vintex	Mount Forest	ON
3279	32	Visteon Canada Inc.	Markham Electronics Plant	Markham	ON
4552	16	Vitafoam Products Canada Ltd.	Toronto Facility	Downsview	ON
4553	16	Vitafoam Products Canada Ltd.	Calgary Facility	Calgary	AB
4554	16	Vitafoam Products Canada Ltd.	Winnipeg Facility	Winnipeg	MB
5759	33	Voith Siemens Hydro Power Generation	Canadian Coil Operation	Mississauga	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
2334	37	Vopak Canada Ltd.	Valleyfield	Valleyfield	QC
2337	37	Vopak Canada Ltd.	Winnipeg	Winnipeg	MB
2340	37	Vopak Canada Ltd.	Calgary	Calgary	AB
2343	37	Vopak Canada Ltd.	Richmond	Richmond	BC
2346	37	Vopak Canada Ltd.	Downsview	Downsview	ON
2349	37	Vopak Canada Ltd.	Edmonton	Edmonton	AB
4422	37	Vopak Canada Ltd.	Weston	Weston	ON
5650	30	Vulcan Containers	Steel Pails & Metal Decorating Ltd.	Rexdale	ON
0508	37	Vulcan Performance Chemicals Ltd.		Delta	BC
3599	37	Vulsay Industries Ltd.		Brampton	ON
4426	30	W.R. Key Limited		Scarborough	ON
4427	39	W.R. Meadows, Inc.	W.R. Meadows of Canada Ltd.	Milton	ON
5053	83	Wabana Town Council	Incinerator	Bell Island	NF
1067	29	Wabash Alloys	Wabash Alloys Guelph	Guelph	ON
5732	29	Wabash Alloys	Wabash Alloys Mississauga	Mississauga	ON
2487	32	Wabco		Stoney Creek	ON
1242	39	Wabco Standard Trane Inc.	Fiberez Bathware Division of Wabco Standard Trane Inc.	Cornwall	ON
5910	29	Wabi Iron & Steel Corp.		New Liskeard	ON
4472	29	Wabtec Foundry Limited		Wallaceburg	ON
5460	06	Wabush Mines	Scully Mine	Wabush	NF
5362	49	Wainwright Regional Waste to Energy Authority	Wainwright Regional Waste to Energy Facility	Wainwright	AB
5848	32	Walbar Engine Components		Mississauga	ON
4432	30	Waltec Forgings Incorporated	Wallaceburg Plant	Wallaceburg	ON
2966	16	Waltec Plastics Inc.	Heritage Plant	Midland	ON
2969	16	Waltec Plastics Inc.	Crown Plant	Midland	ON
1902	07	Wascana Energy Inc. (Subsidiary of Nexen Petroleum Canada)	Balzac Gas Plant	Balzac	AB
2704	35	Washington Mills Electro Minerals Corp.	WMEMC	Niagara Falls	ON
2707	35	Washington Mills Limited	WML	Niagara Falls	ON
5273	99	WasteCo Environmental Services Ltd.	Edmonton Transfer Station	Sherwood Park	AB
5741	26	Waterloo Furniture Components Ltd.	Manitou Plant	Kitchener	ON
2360	15	Waterville TG	Waterville TG Waterville	Waterville	QC
2361	15	Waterville TG	Waterville TG Coaticook	Coaticook	QC
5336	39	Weatherford Completion Systems	McAllister	Calgary	AB
5703	39	Weatherstrong Building Products		Smiths Falls	ON
5911	27	Wedlock Paper Converters Limited		Mississauga	ON
5697	30	Welded Tube of Canada Limited	Rayette Manufacturing	Concord	ON
5698	30	Welded Tube of Canada Limited	Bowes Manufacturing	Concord	ON
2991	27	Weldwood of Canada	Hinton Division	Hinton	AB
2209	29	Welland Pipe Ltd.		Welland	ON
5335	63	Wes-t-rans Ltd.	Head Office	Winnipeg	MB
2380	29	Wescast Industries Inc	Wingham Casting Facility	Wingham	ON
2381	29	Wescast Industries Inc.	Brantford Casting Facility	Brantford	ON
5745	29	Wescast Industries Inc.	Stratford Steel Division	Stratford	ON
4910	10	West Coast Reduction Ltd.	Northern Alberta Processing Company	Edmonton	AB
2364	10	West Coast Reduction Ltd.		Vancouver	BC
2365	10	West Coast Reduction Ltd.	Alberta Processing Company	Calgary	AB
2367	10	West Coast Reduction Ltd.	Saskatoon Processing Company	Saskatoon	SK
5108	25	West Fraser Mills Ltd.	WestPine MDF	Quesnel	BC
5160	25	West Fraser Mills Ltd.	Chasm Sawmills	70 Mile House	BC
4830	25	West Fraser Mills Ltd.	Ranger Board	Blue Ridge	AB
5161	25	West Fraser Mills Ltd.	Fraser Lake Sawmills	Fraser Lake	BC

## LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED

NPRI ID	SIC Code	Company Name	Facility Name	City	Prov./Terr.
5162	25	West Fraser Mills Ltd.	Smithers Sawmill	Smithers	BC
2375	37	West Penetone Inc.		Anjou	QC
4304	07	Westcoast Energy Inc.	Fort Nelson Gas Plant	Fort Nelson	BC
4305	07	Westcoast Energy Inc.	McMahon Gas Plant	Taylor	BC
4306	07	Westcoast Energy Inc.	Pine River Gas Plant	Chetwynd	BC
2674	37	Westcoast Energy Sulphur Products Division	Sulphur Products Division	Prince George	BC
5124	07	Westcoast Gas Services Inc.	Hlghway Gas and Liquid Plant	Fort St. John	BC
5125	07	Westcoast Gas Services Inc.	Jedney Gas and Processing Facility	Fort St. John	BC
2586	25	Western Cleanwood Preservers Ltd.		Surrey	BC
2376	37	Western Co-operative Fertilizers Limited	Western Co-operative Fertilizers Limited - Calgary Site	Calgary	AB
5221	37	Western Co-operative Fertilizers Limited	Brandon Facility	Brandon	MB
5103	25	Western Pacific Wood Preservers Ltd.		Surrey	BC
2377	27	Western Pulp Limited Partnership	Port Alice Cellulose Operation	Port Alice	BC
2872	27	Western Pulp Limited Partnership	Western Pulp - Squamish Operation	Squamish	BC
4303	32	Western Star Trucks Inc.	Western Star	Kelowna	BC
2369	25	Western Wood Preservers Ltd.	Western Wood Preservers	Aldergrove	BC
4895	25	Weyerhaeuser Company Limited	K3 Specialties Division	Vancouver	BC
4892	25	Weyerhaeuser Company Limited	Wawa - OSB	Wawa	ON
2924	27	Weyerhaeuser Company Limited	Kamloops Pulp Division	Kamloops	BC
5003	25	Weyerhaeuser Company Limited	Miramichi - OSB	Miramichi	NB
0928	27	Weyerhaeuser Company Limited	Weyerhaeuser Dryden Mill Operations	Dryden	ON
2760	25	Weyerhaeuser Company Limited	Drayton Valley O.S.B. Mill	Drayton Valley	AB
2762	25	Weyerhaeuser Company Limited	Edson O.S.B.	Edson	AB
2764	25	Weyerhaeuser Company Limited	Slave Lake O.S.B.	Slave Lake	AB
2875	27	Weyerhaeuser Company Limited	Weyerhaeuser Grande Prairie Operations	Grande Prairie	AB
5353	25	Weyerhaeuser Company Limited	Grande Cache Sawmill	Grande Cache	AB
5163	25	Weyerhaeuser Company Limited	Weyerhaeuser Vavenby Sawmill	Vavenby	BC
1591	25	Weyerhaeuser Saskatchewan Limited	Hudson Bay OSB1000	Hudson Bay	SK
5381	25	Weyerhaeuser Saskatchewan Limited	Big River-Sawmill	Big River	SK
3610	27	Weyerhaeuser Saskatchewan Limited	Prince Albert Pulp & Paper	Prince Albert	SK
5364	25	Weyerhaeuser Saskatchewan Limited	Hudson Bay Plywood	Hudson Bay	SK
5365	25	Weyerhaeuser Saskatchewan Limited	Carrot River Sawmill	Carrot River	SK
3772	59	Wheat City Metals		Regina	SK
5934	49	Whitby Cogeneration Limited Partnership	Whitby Cogeneration	Whitby	ON
5179	16	Whitewater Specialties Ltd.		Kelowna	BC
5248	07	Williams Energy (Canada), Inc.	Cochrane Extraction Plant	Cochrane	AB
5286	07	Williams Energy (Canada), Inc.	Stoddart Gas Processing Plant	Fort St. John	BC
5287	07	Williams Energy (Canada), Inc.	Redwater NGL Fractionation Facility	Redwater	AB
3197	06	Williams Operating Corporation	Williams Mine	Marathon	ON
2572	32	Windo-Motion 1		Newmarket	ON
5635	32	Windo-Motion 2		Newmarket	ON
5495	28	Winpak Heat Seal Packaging Inc.		Vaudreuil-Dorion	QC
2385	16	Winpak Ltd.	Winpak Division	Winnipeg	MB
2878	27	Winpak Technologies Inc.		Toronto	ON
2715	29	Wolverine Ratcliffs Inc.	Strip Operation	Fergus	ON
2396	29	Wolverine Tube (Canada) Inc.	Wolverine Tube (Canada) Inc. (London Operations)	London	ON
2386	16	Woodbridge Foam Corporation	Tilbury Plant	Tilbury	ON
2388	16	Woodbridge Foam Corporation	Kipling Plant	Woodbridge	ON
5849	16	Woodbridge Foam Corporation	Sarnia Enerflex	Corunna	ON

**LIST OF FACILITIES REPORTING TO THE NPRI IN 2000 (1): CONTINUED**

<b>NPRI ID</b>	<b>SIC (2) Code</b>	<b>Company Name</b>	<b>Facility Name</b>	<b>City</b>	<b>Prov./ Terr.</b>
5943	16	Woodbridge Foam Corporation	Morval	Kitchener	ON
5006	37	Woodchem Canada Ltd.		St. Stephen	NB
4620	30	Worthington Cylinders of Canada Corp.	Worthington Cylinders - Tilbury	Tilbury	ON
5820	37	Xerox Canada Inc.	Supplies Development Centre	Mississauga	ON
4980	29	Zalev Brothers Co.		Windsor	ON
5350	25	Zavisha Sawmills Ltd.		Hines Creek	AB
5262	16	ZCL Composites Inc.	Edmonton Plant	Edmonton	AB
2481	39	ZCL Composites Inc.	ZCL Composites Inc. Usine de Drummondville	Drummondville	QC
4573	35	Zemex Industrial Minerals	Suzorite Mica Products, Incorporated	Boucherville	QC
4579	37	Zep Manufacturing Company of Canada		Dorval	QC
5369	37	Zep Manufacturing Company of Canada		Edmonton	AB

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## Appendix D – National Atmospheric Releases of Mercury

Environment Canada has developed a comprehensive inventory of atmospheric releases of mercury for the year 2000. This inventory encompasses the mercury releases to air reported to the NPRI for the year 2000, along with the emission estimates for a number of additional sources such as residential fuel combustion, crematoria, sewage sludge application and other diffuse sources. This inventory was compiled to fulfill the reporting requirements of domestic and international programs and agreements such as the Canada Wide Standards for Mercury and the United Nations Economic Commission for Europe's Heavy Metals protocol.

A summary of Environment Canada's comprehensive inventory of atmospheric releases of mercury is provided in the following table. A total of about 8 tonnes of mercury was released in the Canadian atmosphere in the year 2000.

For the NPRI 2000 reporting year, the reporting threshold for mercury (and its compounds) was lowered to 5 kg manufactured, processed or otherwise used and the 1% concentration exemption was removed. This resulted in a significant increase in the number of facilities meeting the new threshold and an increase in the number of reports for mercury being submitted to Environment Canada.

A total of about 6 tonnes of atmospheric mercury was reported to the NPRI in the 2000 reporting year. This accounted for 74.5% of the national emissions reported in the comprehensive emissions inventory. This is a significant increase in the portion of the mercury releases to air captured by the NPRI when compared to the 1999 reporting year which only captured approximately 23% of the national total.

Additional information and a more detailed breakdown of the comprehensive inventory of atmospheric releases of mercury for the year 2000 are available on Environment Canada's Web sites at <[www.ec.gc.ca/pdb/npri](http://www.ec.gc.ca/pdb/npri)> and at <[www.ec.gc.ca/mercury](http://www.ec.gc.ca/mercury)>.



**SUMMARY OF ATMOSPHERIC RELEASES OF MERCURY FOR 2000**

<b>SOURCE</b>	<b>QUANTITY</b> (kg)
<b>INDUSTRIAL</b>	
Primary Base Metal	1 969
Primary Iron & Steel (includes Iron Sintering)	88
Secondary Iron & Steel	150
Secondary Non-Ferrous	6
Ferrous Foundries	44
Ferro-Alloys	Included in Ferrous Foundries
Chlor-Alkali	68
Glass Industry	103
Cement	313
Ashphalt	57
Petroleum Refining	12
Electrical Products Industry	373
Pulp & Paper	136
Lime Manufacture	132
Industrial Fuel Combustion	241
Industrial Fuel Wood	33
Chemicals	15
Other Industries **	56
<b>TOTAL INDUSTRIAL</b>	<b>3 797</b>
<b>NON-INDUSTRIAL FUEL COMBUSTION</b>	
Electrical Utilities & Non-Utility	2 033
Residential Wood Combustion	21
Commerical Fuel Combustion	112
Residential Fuel Combustion	243
<b>TOTAL NON-INDUSTRIAL FUEL COMBUSTION</b>	<b>2 410</b>
<b>TRANSPORTATION</b>	
Motor Vehicles	0
Marine	14
<b>TOTAL TRANSPORTATION</b>	<b>14</b>
<b>INCINERATION</b>	
Municipal Solid Waste	305
Sewage Sludge Incineration	195
Hazarous Waste Incineration	617
Industrial Incineration	12
Biomedical	372
Crematoriums	140
Wood Waste Incineration	22
<b>TOTAL INCINERATION</b>	<b>1 664</b>
<b>MISCELLANEOUS</b>	
Flourescent Tube Breakage	70
Dental Amalgams	28
Pharmaceutical Use	0
Fungicides	0
Sewage Sludge Application to Land	36
Landfill Gas	9
<b>TOTAL MISCELLANEOUS</b>	<b>141</b>
<b>TOTAL FOR CANADA</b>	<b>8 026</b>

X - Values will not add due to rounding and aggregation to protect confidentiality.

\*\* Includes emissions from Gold Roasting, Carbon Black, Oil Sands