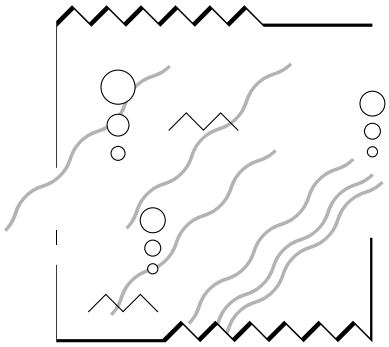
national pollutant release inventory



summary report 1995

Canadian Environmental Protection Act

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Executive summary

The 1995 Summary Report is the third National Pollutant Release Inventory (NPRI) report to be published. It provides information on pollutant on-site releases to air, water and land, on transfers off site in waste, on '3Rs' (recovery, re-use, recycling) and on energy recovery of 176 listed pollutants. The NPRI is the only legislated, nation-wide, publicly-accessible inventory of on-site pollutant releases and off-site transfers in waste in Canada.

The inventory is intended to help Canadians develop a better understanding of the nature and quantity of specified pollutants released to the environment and transferred off site in waste in Canada. The NPRI supports a number of environmental initiatives by informing the public of pollutants in their environment, identifying priorities for action, encouraging voluntary measures to reduce releases, allowing tracking of progress in reducing releases and supporting regulatory initiatives.

This report does not attempt to characterize the impact of releases and transfers on health or the environment. Large-volume releases of some pollutants may not necessarily be commensurate with the impact of those releases, and smaller releases may have significant impact. The magnitude of the impact also depends on the environmental medium into which the pollutants are released and their fate in the environment.

The 1995 Summary Report includes data collected from 1,758 facilities, which filed a total of 6,294 pollutant reports on 129 of the 176 listed pollutants. In 1995, on-site releases and off-site transfers in waste were 169,069 tonnes and 60,422 tonnes, respectively. The report summarizes: national and provincial/territorial on-site releases, off-site transfers in waste, '3Rs' and energy recovery; release and transfer trends since 1994, and forecasts for 1996, 1997 and 1998; comparisons to other industrial sectors such as dry cleaning and mobiles sources; selected sectors estimates such as the transportation sector; and other inventories of pollutants – including greenhouse gases and criteria air contaminants.

The public can access, through the Internet, the NPRI guidance documents, reporting software, 1994 and 1995 databases, and on-line data queries by facility, pollutant or geographical area. Copies of the 1994 and 1995 Summary Reports of the database on disk, and further information can be obtained from Environment Canada offices across the country, listed inside the front cover.

Information will continue to be collected and published on an annual basis, providing opportunities for year-to-year comparisons and for assessing trends in the release and disposal of pollutants in Canada.

The NPRI is an evolving program. As experience is gained, the list of pollutants and reporting criteria will be adjusted to address emerging environmental issues. Proposals for changes will be developed by Environment Canada and will be subject to consultation with Canadian stakeholders.

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Background

The National Pollutant Release Inventory (NPRI) was created in 1992 to provide Canadians, through a publicly-accessible database, with information on pollutants released to their environment. The first reporting year was 1993. This third Summary Report reflects data reported to Environment Canada on a facility-by-facility basis, for calendar year 1995. All non-confidential NPRI information and data are also accessible on the Internet at the following address: **http://www.ec.gc.ca/pdb/npri.html**

On February 18, 1995, the Minister of the Environment published in Part I of the *Canada Gazette* a notice pursuant to subsection 16(1) of the *Canadian Environmental Protection Act (CEPA)* that requires facilities meeting the reporting requirements for the NPRI, as outlined in the notice, to submit specified information to the Minister of the Environment by July 1, 1996.

Summary of the notice:

Anyone in Canada who owns or operates a facility at which employees worked a total of 20,000 hours or more (equivalent to 10 full-time employees) during 1995, and which manufactures, processes or otherwise uses any of the NPRI-listed pollutants, in concentration equal to or greater than 1% and in quantities equal to or greater than 10 tonnes (10,000 kg), must file a report for 1995 with Environment Canada identifying pollutants meeting the reporting criteria and the quantities released on-site to air, water or land or transferred off-site in waste.

An important change for 1995 is that by-products are included in the calculation of the 10-tonne threshold, regardless of their concentration. This change was made to capture facilities that released 10 tonnes or more of a listed pollutant, but at a low concentration.

All facilities meeting the above reporting criteria were required to report, unless specifically exempt under the *Canada Gazette* notice. Exempt facilities include those used exclusively for:

- education and training of students (universities, colleges and schools)
- research or testing
- the maintenance and repair of transportation vehicles
- the distribution, storage or retail sale of fuels
- the wholesale or retail sale of articles or products which contain listed pollutants, but which are not released during normal use at the facility
- the retail sale of listed pollutants
- growing, harvesting and management of renewable resources (forestry, fisheries and agriculture), but not those facilities which process or otherwise use their products
- mining, but not those facilities engaged in the further processing of mined materials
- the drilling or operating of oil and gas wells, but not those facilities which process or otherwise use their products.

Highlights of the 1995 Summary report

The 1995 Summary Report includes data from the NPRI database as of February 14, 1997. At that date, a total of 1,758 facilities had reported to the NPRI, an increase of 1% compared to 1994 (1,740 facilities). The list of reporting facilities is provided in Appendix 1. On-site releases totalled 169,069.943 tonnes, a decrease of 5.9% over 1994; off-site transfers in waste amounted to 60,421.655 tonnes, an increase of 20.6% over 1994.

It should be noted that some facilities submitted voluntary reports for some or all of their pollutants. At this time, numbers and names of these facilities are not available.

This report includes: on-site releases, off-site transfers in waste and optional reporting of pollutants sent for '3Rs'; comparisons with release estimates by selected industrial sectors; and a summary of inventories of greenhouse gases and common air contaminants.

Risk and impact assessment

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 assessment can be made for a particular area.

The risk will depend on the toxicity of the pollutant, the extent of the exposure, the type of release and transfer, and the environmental medium receiving the pollutant. Large on-site releases of some pollutants may not necessarily be commensurate with the impact of those on-site releases.

Conversely, smaller on-site releases may have significant impact. It is not possible to compare on-site releases to different environments, nor to compare one pollutant to another.

On-site releases of a particular pollutant should be considered in the overall context of other sources, such as area sources. To provide such context, this report includes 1994 estimates of dry cleaning [EC, 1995a] fuel distribution [EC, 1996] [EC, 1994a] [EC, 1994b] [SC, 1994a] [EC, 1994c] [US EPA, 1992] on-site releases of listed pollutants from the dry cleaning, solvent degreasers, [EC, 1995b], fuel distribution and mobile sources sectors, and inventories of greenhouse gases for 1995 [EC, 1997] and criteria air contaminants [EC, 1996b].

Confidential information

Any person who provides information to the Minister of the Environment under the provisions of Part II of the *CEPA* may submit a written request that the information be treated as confidential. The request must be submitted in writing and must accompany the report. A request for confidential information is not determinative and this is why Environment Canada turned to the provisions of the *CEPA* and the *Access to Information Act (ATIA)* to ensure that the requests met the criteria for confidential business information outlined in the legislation.

For 1995, 15 facilities requested confidential treatment of all or part of the information provided to the NPRI. At the time of printing, following consultation with Environment Canada, the Access to Information Secretariat had accepted claims for confidentiality for eight facilities.

Promotion, compliance and enforcement

Promotion and compliance are any activities which improve adherence to the NPRI program without using the provisions listed under the *CEPA* for enforcing the requirements set out in *Canada Gazette* notice.

Activities for the 1995 reporting year concentrated on promotion and compliance. Promotion and compliance by regional offices included:

- information brochures outlining the program's requirement were mailed to facilities that have not reported to date and which may be subject to the requirements set out in the notice. This was followed by phone inquiries or other correspondence, where appropriate, and facilities subject to the notice were sent a reporting package
- training sessions and telephone support to those reporting
- contacting those suspected of being late and
- verifying reports and contacting facilities to promptly discuss and resolve problems.

The Quebec regional office conducted four site visits to review the reports submitted for 1995. This provided an opportunity to review the reporting process and to determine the effectiveness of the department's guidance and the quality of reporting by facilities.

Promotion and compliance through information, education and other means is an effective tool for increasing conformity with the law. Enforcement activities will be applied as appropriate and will be consistent with the Enforcement and Compliance Policy under the *CEPA*.

Elements of the reporting form

The 1995 NPRI reporting form includes two sections: Part A – facility identification, and Part B – pollutant-specific information.

Table 1 – Information requested by the NPRI

Part A: Facility identification
Facility public and technical contacts with their addresses
Company co-ordinator and address
Facility location
Standard Industrial Classification (SIC) code for the facility
Parent company information
Licences and permits
Off-site transfers in waste
On-site releases to surface water bodies
Comments
Name and address of the executive contact certifying the report
Part B: Pollutant identity
Nature of activities
a) manufacture the pollutant
b) process
c) otherwise use
On-site releases of less than one tonne
On-site releases
Air releases
Underground injection
Water
Land
Yearly breakdown of on-site releases by percentage in each quarter
Changes in reported on-site releases from previous years
Off-site transfers in waste
Anticipated on-site releases for next three years
Recovery, re-use or recycle ('3Rs') to off-site locations
Anticipated '3Rs' for next three years
Transfers in waste to off-site locations, treatment and disposal methods
Changes in reported transfers from previous years
Anticipated off-site transfers in waste for next three years

Reportable pollutants

List of NPRI pollutants

The 1995 NPRI pollutants are listed in alphabetical order in the *Canada Gazette*, Part I (1995) with their Chemical Abstract Service (CAS) registry number. The CAS registry number is a unique identifier given to a chemical substance to facilitate the use, interpretation and cross-referencing of the data.

Minor changes were made to the 1994 pollutants list: the addition of the nitrate ion in solution at a pH of 6.5 or greater, the addition of the qualifier "total" to ammonia, the addition of the qualifier "friable form" to asbestos, and the addition of the qualifier "and its salts" to weak acids and bases. Three pollutants were also deleted from the NPRI list: zinc (fume or dust) – CAS #7440-66-6, ammonium nitrate (solution) – CAS #6484-52-2, and ammonium sulphate (solution) – CAS #7783-20-2, the latter two now being included in 'total ammonia'. Zinc (fume and dust) is now included under 'zinc and its compounds'.

The NPRI is evolving in response to public, government and industry needs. The NPRI list was developed through public consultation and any major changes will take place only after discussion with stakeholders.

Toxic and carcinogenic pollutants

Of the 176 NPRI listed pollutants, 10 have been determined to be toxic under the *CEPA*, five regulated under Schedule I of the *CEPA*, six identified as carcinogenic by the International Agency for Research on Cancer (IARC 1), and nine as probably carcinogenic by the same agency (IARC 2a). Many pollutants are found on two lists. Table 2 summarizes the NPRI pollutants classified as toxic and/or carcinogenic.

Table 2 Toxic and carcinogenic pollutants on the NPRI list

CAS #	Pollutant	Sch.1	CEPA-toxic	IARC 1	IARC 2A
107-06-2	1,2-Dichloroethane		X		
NA	Arsenic (and its compounds)		X	X	
1332-21-4	Asbestos (friable form)	X		X	
71-43-2	Benzene		X	X	
117-81-7	*Bis*(2-ethylhexyl)phthalate		X		
NA	Cadmium (and its compounds)		X		X
56-23-5	Carbon tetrachloride	X			
NA	Chromium (and its compounds)		X	X	
75-09-2	Dichloromethane		X		
64-67-5	Diethyl sulphate				X
77-78-1	Dimethyl sulphate				X
106-89-8	Epichlorohydrin				X
107-21-8	Ethylene oxide				X
50-00-0	Formaldehyde				X
NA	Lead (and its compounds)	X			
NA	Mercury (and its compounds)	X			
NA	Nickel (and its compounds)		X	X	
101-14-4	*p,p'*-Methylene*bis*(2-chloroaniline)				X
75-56-9	Propylene oxide				X
96-09-3	Styrene oxide				X
127-18-4	Tetrachloroethylene		X		
79-01-6	Trichloroethylene		X		
75-01-4	Vinyl chloride	X		X	

Context of the data on a facility-by-facility basis

This report provides national and provincial/territorial information on the 1995 on-site releases to air, land and water, off-site transfers in waste, '3Rs' and energy recovery of NPRI pollutants.

Facilities are required to provide information to which they can reasonably be expected to have access. In some instances, information is readily available from existing monitoring for provincial permits or licences. In other cases, a variety of estimation methodologies are used, depending on the information available and the type of industry. The lowest reportable unit is one kilogram or 0.001 tonne. In declining order of expected accuracy, estimates can be based on direct measurements, mass balances, emission factors or engineering estimates. As a result, reported emissions from facilities in the same industrial sector can differ. It is expected that improvements in estimation methods and familiarity with the reporting requirements will improve data quality.

Because pollutants cannot be ranked or compared to one another, Environment Canada has chosen to list, for each pollutant, the facilities with the highest on-site releases, the total number of forms submitted, and total on-site releases from all facilities (Appendix 2); and not the ranking of facilities according to on-site releases or off-site transfers in waste. The number of facilities listed for each pollutant depended on the pollutant, the number of facilities reporting the pollutant, and the size/distribution of reported releases. Up to 10 facilities are listed for those pollutants for which a large number of forms were received, while few facilities are identified if on-site releases or off-site transfers in waste were small or if there was a wide gap between high on-site releases and the others.

Facilities with the highest reported on-site releases for a particular pollutant may not be the "worst." This is because of uncertainty and variability associated with estimation

methodologies and the differences between the environments into which pollutants were released.

Environmental performance of a facility's processes, pollution control-equipment and operational management cannot be determined based on NPRI information alone. Furthermore, the data do not allow for normalization based on production. For example, a facility may have high on-site releases of one particular pollutant even though the quantity per unit of production could be significantly lower than that of another facility.

What are on-site releases?

An on-site release is a discharge of a pollutant to the environment. This includes on-site emissions to air, discharges to surface waters, on-site releases to land and deep-well injection within the boundaries of the facility. On-site releases are further subdivided as follows:

Air

- stack/point
- storage/handling
- fugitive
- spills
- other non-point

Surface waters

- direct
- spills
- leaks

Land

- landfill
- land treatment
- spills
- leaks
- other

Underground injection

Underground injection is another method of waste disposal. Subject to provincial regulation, wastes are injected into known geological formations, generally at great depths.

Direct discharges do not include discharges to a municipal sewage treatment plant or other off-site wastewater treatment facilities. These are reported under 'transfer of the substance in waste to off-site locations'.

A leak differs from a spill in terms of the time required for an event. Spills normally occur over a period of hours or days, whereas leaks occur over periods of days or months.

Land treatment, also called land application, is a disposal method by which waste containing a listed pollutant is applied or incorporated into soil for biological degradation. Landfills are sites in to which wastes are buried. These two disposal methods are generally employed under permit.

What are off-site transfers in waste?

An off-site transfer is a shipment of a listed pollutant in waste to an off-site location for final disposal or treatment. Facilities must provide the name and location of the off-site facility receiving the shipment.

The NPRI requires that only the quantity of the listed pollutant in the waste be reported. Waste materials, such as sludge, are often a mixture of many compounds associated with water and other inert material. As a result, the total reported to the NPRI may be smaller than that reported in other inventories.

Waste is defined as material that is sent for disposal or for treatment prior to *final disposal*. Waste *excludes* pollutants sent for recovery, re-use or recycling ('3Rs'). The '3Rs' and energy recovery could be reported *voluntarily*, or for energy recovery.

Off-site transfers in waste include treatment and disposal methods. Off-site *treatments* do not constitute an environmental release because the pollutant is altered chemically or physically, and is not released in its original form. On the other hand, *disposal methods* represent environmental releases with different impacts, depending on the site and the pollutant.

For the purposes of the NPRI, there are five *off-site treatment methods*:

- physical treatment such as encapsulation and vitrification
- chemical treatment such as stabilization and neutralization
- biological treatment such as bio-oxidation
- incineration or thermal treatment where energy is not recovered, and
- municipal sewage treatment plant (MSTP)

and *four off-site disposal methods*:

- containment in a landfill
- containment in other storage
- underground injection, and
- land treatment used for the purpose of land application or land farming.

Off-site transfers in waste are reported separately from on-site releases because:

- off-site transfers in waste represent a movement of the pollutant to a different geographical location than that of the facility
- off-site transfers in waste do not always represent entry of the pollutant into the environment, e.g., when off-site transfers in waste are sent for treatment and are transformed either into another chemical or are permanently prevented from entering the environment. Conversely, disposal methods listed above may allow partial or total entry into the environment.
- management of the pollutant becomes the responsibility of another owner or operator
- reporting off-site transfers in waste completes information on fate of the pollutant, and
- wastes could be transferred a number of times leading to some double-counting.

What is recovery, re-use, recycling ('3Rs') and energy recovery?

As with off-site transfers in waste, the '3Rs' represent a movement of a pollutant to an off-site facility under the jurisdiction of another owner or operator.

Generally, materials sent for '3Rs' are those transferred to recyclers, such as metal shavings or turnings, those materials transferred off-site for processing, cleaning or reclamation and returned to the facility, and those materials sent back to the suppliers for credit or payment. Facilities are required to report the name and the address of the receiving off-site facility.

Energy recovery is applicable only when recuperated energy from combustion is used as an alternative to fossil fuels or other forms of energy.

Reporting '3Rs' and energy recovery was optional for the 1995 reporting year. Therefore, the quantities reported may not represent the true industrial effort toward '3Rs' and energy recovery in Canada.

Processing elements

Data processing and quality control

Facility reports are received by the NPRI regional offices of Environment Canada. For 1995, more than 95% of facilities reported electronically. The reports were examined for completeness and transferred to a single database.

Initial review of the information submitted by facilities revealed obvious errors. The most common reporting errors included reporting kilograms or litres instead of tonnes and reporting under the wrong Standard Industrial Classification (SIC) code. Facilities were contacted to correct reporting errors and re-submit their reports.

New or corrected data may be added to the database after publication of the Summary Report because of late reporting or changes required to a facility's report. Information on the Internet will be updated accordingly.

Use of data and public accessibility

With the exception of confidential data, two main products are available to the public: the Summary Report and the NPRI Internet site. Following publication of the first 1993 Summary Report, Environment Canada received 7,000 requests for the report and the Internet site was visited more than 15,000 times between May 1995 and May 1996.

The Internet site features on-line queries about an individual pollutant, facility or geographical area.

Different NPRI websites are available to the general public. These sites were developed to supply overall information about the NPRI, and numerous links can be accessed through the NPRI home page:

http://www.ec.gc.ca/pdb/npri.html
http://www.pwc.bc.doe.ca/ep/npri/npri.html
http://www.ns.doe.ca/epb/npri/npri.html

Once at the Internet site, a "comment/query" button helps the public contact Environment Canada directly for NPRI-related information. Since its implementation, many individuals, especially those from the academic and international communities, have used this option. Within Environment Canada, the data have been used to support core activities such as:

- screening pollutants for assessment (PSL 2)
- development of control options (Strategic Options Process)
- assessment for toxicity (PSL 2)
- pollution prevention
- support to heavy metals and persistent organic pollutant inventories for the United Nation's Economic Commission for Europe protocols, and
- evaluation of pollutant loading to the Great Lakes.

In addition, Health Canada is studying the link between reported NPRI on-site releases of particular pollutants and some of their epidemiological data. A number of provincial agencies have also conducted detailed analyses to establish baseline information for determining priorities for action.

On the international scene, the Commission on Environmental Cooperation (CEC), established under the North American Free Trade Agreement, was directed to facilitate exchange of information regarding on-site releases and off-site transfers in waste in North America. In their report on 1994 data published in July 1997, the CEC describes the Pollutant Release and Transfer Registers (PRTRs) in North America. PRTR is the international term for inventories such as the NPRI, the United States Toxic Release Inventory (TRI) and the Mexican Registro de Emisiones y Transferencia de Contaminantes (RETC). The report generated considerable interest in Canada because it compared Canadian and U.S. performances.

Popular magazines are featuring NPRI information, a testimony to the interest by the general public on site-specific environmental information.

The information will become increasingly valuable as data for a number of years are accumulated and will provide a basis for comparison and trend analyses. The data will also be used to improve reporting requirements and focus on pollutants of concern.

Additional information on the program and the NPRI database can be obtained from NPRI's regional and national offices listed on the inside front cover of this report.

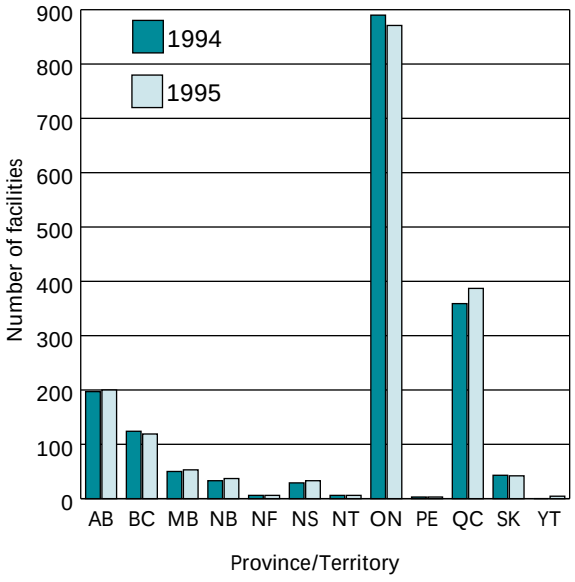
For further information on the environmental or health effects of these pollutants, scientific information can be obtained from a variety of sources including the Canadian Centre for Occupational Health and Safety (CESARS database), the National Library of Medicine (TOXNET database), and the Agency for Toxic Pollutants and Disease Registry. Addresses and telephone numbers are listed in the bibliography.

Pollutants in Canada

Overview

A total of 1,758 facilities filed reports to the NPRI in 1995, reporting 130 pollutants for on-site releases, 96 pollutants for off-site transfers in waste, and 66 for recovery, recycling or re-use ('3Rs') and energy recovery. Provinces with the largest increase in number of facilities reporting were New Brunswick (12.1%), Nova Scotia (13.8%) and Quebec (7.8%). Three other provinces decreased their number of reporting facilities – British Columbia (4%), Ontario (2%) and Saskatchewan (2.3%). In 1995, the Yukon reported its first facility to the NPRI. In 1995, the total number of facilities reporting to the NPRI increased by 1% compared to 1994.

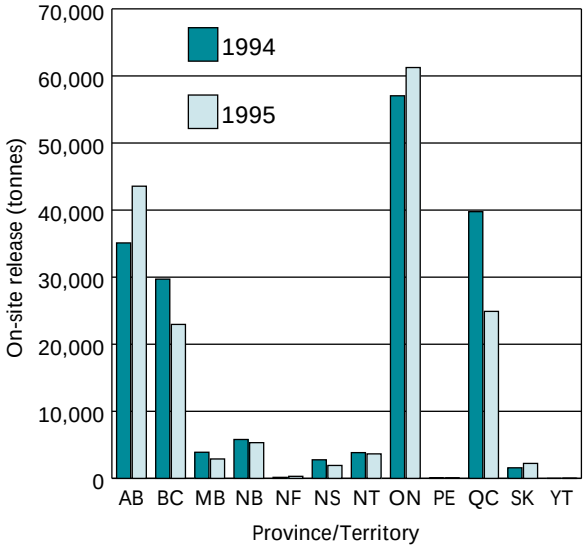
Figure 1
Number of facilities reporting in 1994 and 1995



The number of pollutant reports completed in Canada also increased in 1995 – 6,294 reports were filed for on-site releases and 6,121 for off-site transfers in waste, representing an overall increase of 4.8% and 1.9%, respectively, over 1994 values. The number of pollutants reported averaged 3.6 per facility in 1995, an increase of 0.1 over 1994.

Across the country, on-site releases were 169,070 tonnes and off-site transfers in waste were 60,422 tonnes (37,749 tonnes to disposal and 22,673 tonnes to treatment). These values represent a drop of 6% (10,658 tonnes) for on-site releases and an increase of 20.6% for off-site transfers in waste, compared to 1994 values. The provincial/territorial contributions to on-site releases and off-site transfers in waste in 1994 and 1995, presented in Figure 2, show the same trend among the provinces and territories for those two years. In 1995, Ontario had the highest on-site releases at 61,253 tonnes (representing 36% of the national on-site releases), followed by Alberta at 43,561 tonnes (26%), Quebec at 24,898 tonnes (15%) and British Columbia at 22,955 tonnes (14%).

Figure 2
On-site releases in 1994 and 1995



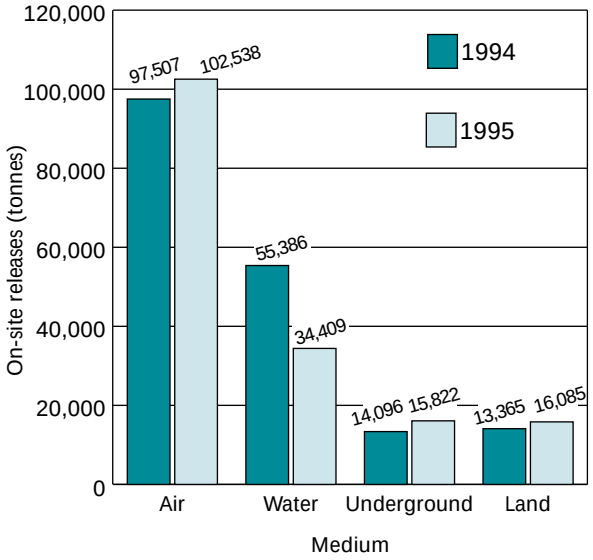
Methanol was the pollutant released in the largest quantity in Canada, for both 1995 and 1994 reporting years. In 1995, the total on-site releases of methanol amounted to 31,180 tonnes reported by 305 facilities, a decrease in on-site releases of 5% compared to the value reported in 1994 (32,826 tonnes reported by 287 facilities).

Appendix 2 lists the facilities with the highest on-site releases, by pollutant, and includes the quantities released to each environmental medium (air, water, land, underground). To provide context, the listing also indicates the total national on-site releases and number of facility reports for each pollutant.

Appendix 3 presents on-site releases of each pollutant, in alphabetical order, by environmental medium.

The tonnage, by environmental medium, of total on-site releases between 1994 and 1995 are compared in Figure 3. Similar trends are noticed among environmental media for the two years. In 1995, on-site releases to air dominated the national distribution at 60.7% (102,538 tonnes), followed by on-site releases to water at 20.4% (34,410 tonnes), underground injection at 9.6% (16,086 tonnes), and land which accounted for 9.4% (15,822 tonnes). In 1994, on-site releases were also mainly to air at 53.9%, water at 30.7%, land 7.8% and underground injection 7.4%.

Figure 3
On-site releases by environmental medium in 1994 and 1995



The quantity reported voluntarily, in 1995, under the '3Rs' was 162,355 tonnes, and energy recovery 2,745 tonnes. The 1995 total of both the '3Rs' and energy recovery presents a decrease of 39.2% compared to 1994.

Unreported pollutants

Over the years, the number of unreported pollutants has decreased. In 1995, 45 NPRI pollutants were not reported, a decrease compared to the 48 unreported in 1994. Appendix 4 summarizes the unreported pollutants for 1994 and 1995.

On-site releases

Highest 25 on-site releases by pollutant

The highest 25 pollutants released on site are listed by environmental medium in Table 3. The relative contribution of these 25 pollutants represents 92.6% of the national total. The value by environmental medium is also reported.

In 1995, the highest 25 pollutants released on site are similar to those identified in 1994, methanol remaining at the top of the list at 35.9% of Canadian on-site releases.

New to the highest-pollutant list are aluminum, propylene, hydrogen fluoride, nitrate ion and carbon disulphide.

Aluminum (fume or dust) went from 60 tonnes to 1,226 tonnes, mostly due to three facilities in Quebec (QIT/Fer et titane – NPRI # 4806, Recyclage d'aluminium Québec – NPRI # 2799 and Recyclage Côte-Nord – NPRI # 2801).

The total contribution of these three facilities is 96.4% of the national on-site releases, a large portion attributed to the reporting of a new facility – QIT/Fer et titane – which contributed at 742.35 tonnes (60.7% of the national value).

Table 3 – Highest 25 pollutants released on site by environmental medium (tonnes)

CAS #	Pollutant	Air	Water	Under-ground	Land	Total releases	No. of reports
67-56-1	Methanol	18,415	9,945	2,745	63	31,180	305
NA	Ammonia (total)	18,453	4,289	6,430	346	29,525	224
NA	Copper (and its compounds)	485	12,418	0	1,353	14,262	264
1330-20-7	Xylene (mixed isomers)	8,113	3	18	3	8,154	308
7664-93-9	Sulphuric acid	5,613	2,078	0	3	7,702	389
108-88-3	Toluene	6,761	9	44	3	6,833	318
NA	Zinc (and its compounds)	647	2,021	1	3,764	6,443	330
78-93-3	Methyl ethyl ketone	3,855	2	930	0	4,796	131
7647-01-0	Hydrochloric acid	4,379	9	149	2	4,544	227
107-21-1	Ethylene glycol	535	69	564	3,258	4,429	232
67-64-1	Acetone	4,091	39	260	0	4,397	128
NA - 02	Arsenic (and its compounds)	87	17	3,600	6	3,710	42
75-15-0	Carbon disulphide	3,701	2	0.01	0	3,704	19
NA	Manganese (and its compounds)	59	172	0	3,142	3,378	222
110-82-7	Cyclohexane	2,990	1	0	1	2,996	79
NA	Nitrate ion in solution at pH >=6.5	22	2,446	320	47	2,835	43
74-85-1	Ethylene	2,387	0	0	0	2,389	43
71-43-2	Benzene	2,121	7	77	2	2,211	103
75-09-2	Dichloromethane	2,203	0	0	0	2,207	56
67-63-0	Isopropyl alcohol	2,041	56	1	0	2,109	195
7664-39-3	Hydrogen fluoride	1,828	0	0	0	1,828	38
NA	Lead (and its compounds)	663	81	0.04	822	1,572	166
7782-50-5	Chlorine	1,240	150	11	0	1,405	188
115-07-1	Propylene	1,364	0	0	0	1,364	37
71-36-3	*n*-Butyl alcohol	1,259	14	0	0	1,278	85
7429-90-5	Aluminum (fume or dust)	19	1	0	1,203	1,226	34
	Total of highest 25 pollutants	93,331	33,830	15,152	14,016	15,6477	4,206
	National total	102,538	34,410	16,086	15,822	169,070	6,294
	% of highest 25 of national total	91.0%	98.3%	94.2%	88.6%	92.6%	66.8%

Similarly, hydrogen fluoride jumped from 28 tonnes to 1,827 tonnes, and carbon disulphide from 26 tonnes to 3,704 tonnes, the latter being due mainly to Amoco Canada – West Whitecourt Plant (NPRI # 4138) in Alberta, which represents 37.7% of the national total. The reason for both increases is the addition of the by-product criterion that enables the NPRI to monitor significant large volume/low concentration discharges to the environment.

Hydrochloric acid also represents a significant increase with a value twice as large as in 1994, passing from 2,293 tonnes to 4,522 tonnes. This increase is largely due to one facility, Nanticoke Generating Station (NPRI # 1861) in Ontario, which represents 44.9% of the national total.

Two pollutants from the 1994 highest-pollutant list are ranked lower in 1995, styrene in 32nd position compared to 22nd, and chlorine dioxide in 28th compared to 23rd.

In 1995, on-site releases of styrene decreased by more than 60% over 1994, mainly because of a large decrease reported by the Ford Essex Aluminium Plant (NPRI # 1269) in Windsor, Ontario. This facility reported a decrease from 1,100 tonnes in 1994 to 53 tonnes in 1995, as a result of product and process changes at the facility, representing a percentage decrease greater than 95%.

On-site releases of chlorine dioxide decreased by 38.6% because of important changes at the three paper mills that reported the highest on-site releases of this pollutant in 1994. The reporting of on-site releases of chlorine dioxide is also much more consistent among the mills in 1995.

It is important to note that all three ammonia pollutants on the 1994 list (ammonia, ammonium nitrate and ammonium sulphate) were regrouped under "total ammonia" for the 1995 reporting year. Total ammonia remains the second highest pollutant released in Canada.

The most notable change from 1994 is the overall decrease in on-site releases of sulphuric acid from 22,000 tonnes in 1994 to 7,700 tonnes in 1995, mainly because of a 15,000 tonne decrease by the Kronos Canada ltée (NPRI #1561) facility in Varennes, Quebec, where improved pollution-control equipment was installed. Also, the change in the reporting criterion for by-products required most power generating plants to report to the NPRI. These facilities contributed 1,397 tonnes or 18.1% of the total amount reported for sulphuric acid.

Another important change is the decrease in on-site releases of zinc from 10,000 tonnes to 6,400 tonnes. This reduction is mainly because of large reduction at two facilities, Cominco Ltd. – Trail Operations (NPRI # 3802) in British Columbia and Aciérie Sidbec Dosco (ISPAC) inc. (NPRI # 3649) of Contrecoeur, Quebec, which reduced their on-site releases by 2,526 tonnes and 1,141 tonnes, respectively.

However, as for 1994, these two facilities still rank the highest and second highest for on-site releases of zinc and its compounds for 1995.

The highest 25 pollutants listed in Table 3 represent 88.6% of the total on-site releases to land and 98.3% of those to water, for an average of 92.6% of national on-site releases. The highest 25 pollutants were reported in 66.8% of reports filed. The total on-site releases reported in Table 3 may be greater than the sum of on-site releases by environmental medium because releases of less than one tonne could be reported as an undifferentiated total release. However, these undifferentiated total releases represent only 0.1% of total on-site releases.

Highest 10 on-site releases by environmental medium

The highest 10 on-site releases to specific environmental media interest researchers, governments and consultants whose business or program is medium-specific. These 10 pollutants released to each environmental medium were 74.5% (76,371 tonnes) to air , 98.7% (33,943 tonnes) to water, 97.3% (15,656 tonnes) to underground injection and 96.0% (15,195 tonnes) to land.

Figure 4
Contribution of the highest 10 pollutants to the national totals

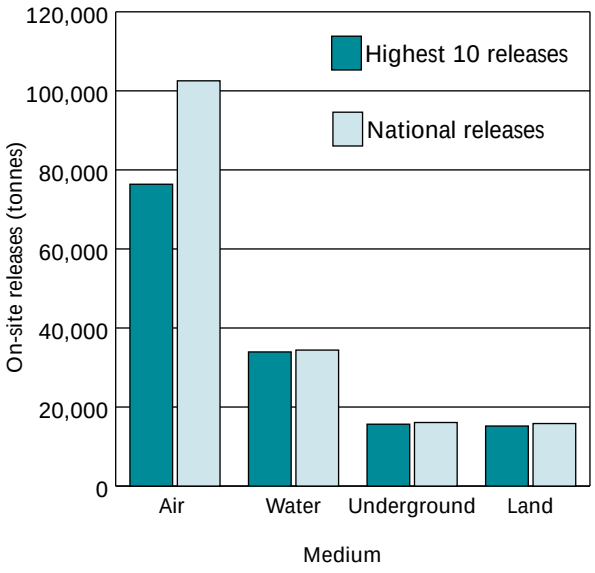


Table 4 – Highest 10 pollutants released on site to air (tonnes)

CAS #	Pollutant	Air	Water	Under-ground	Land	Total releases	No. of reports
NA	Ammonia (total)	18,453	4,289	6,430	346	29,525	224
67-56-1	Methanol	18,415	9,945	2,745	63	31,180	305
1330-20-7	Xylene (mixed isomers)	8,113	3	18	3	8,154	308
108-88-3	Toluene	6,761	9	44	3	6,833	318
7664-93-9	Sulphuric acid	5,613	2,078	0	3	7,701	389
7647-01-0	Hydrochloric acid	4,379	9	149	2	4,544	227
67-64-1	Acetone	4,091	39	260	0	4,397	128
78-93-3	Methyl ethyl ketone	3,855	2	930	0	4,796	131
75-15-0	Carbon disulphide	3,701	2	0.01	0	3,704	19
110-82-7	Cyclohexane	2,990	1	0	1	2,996	79
	Total of highest 10 to air	76,371	16,379	10,577	420	103,832	2,128
	National total to air	102,538					
	% of highest 10 to air of national total	74.5%					

Table 5 – Highest 10 pollutants released on site to water (tonnes)

CAS #	Pollutant	Air	Water	Under-ground	Land	Total releases	No. of reports
NA	Copper (and its compounds)	485	12,418	0	1,353	14,262	264
67-56-1	Methanol	18,415	9,945	2,745	63	31,180	305
NA - 16	Ammonia (total)	18,453	4,289	6,430	346	29,525	224
NA - 17	Nitrate ion in solution at pH >=6.5	22	2,446	320	47	2,835	43
7664-93-9	Sulphuric acid	5,613	2,078	0	3	7,702	389
NA	Zinc (and its compounds)	647	2,021	1	3,764	6,443	330
50-00-0	Formaldehyde	819	343	40	0.18	1,206	91
NA	Manganese (and its compounds)	59	17	0	3142	3,378	222
7782-50-5	Chlorine	1,240	150	11	0	1,405	188
NA	Lead (and its compounds)	663	81	0.04	822	1,572	166
	Total of highest 10 to water	46,417	33,943	9,548	9,539	99,507	2,222
	National total to water		34,410				
	% of highest 10 to water of national total		98.6%				

Again in 1995, on-site releases to air were dominated by total ammonia and methanol. Xylene mixed isomers placed third on the list. The highest 10 pollutants to air are reported in Table 4.

The three pollutants released on site to water in the largest quantity are the same as those of 1994 – copper and its compounds (12,418 tonnes), methanol (9,945 tonnes), and total ammonia (4,289 tonnes).

The principal pollutants released on site underground were total ammonia at 6,430 tonnes, and arsenic and its compounds at 3,600 tonnes. These two pollutants represent 62.4% of national on-site releases to underground injection and are summarized in Table 6.

Table 6 – Highest 10 pollutants released on site to underground (tonnes)

CAS #	Pollutant	Air	Water	Under-ground	Land	Total releases	No. of reports
NA	Ammonia (total)	18,453	4,289	6,430	346	29,525	224
NA	Arsenic (and its compounds)	87	17	3,600	6	3,710	42
67-56-1	Methanol	18,415	9,945	2,745	63	31,180	305
78-93-3	Methyl ethyl ketone	3,855	2	930	0	4,796	131
107-21-1	Ethylene glycol	535	69	564	3,258	4,429	232
111-42-2	Diethanolamine (and its salts)	40	26	497	118	681	74
NA	Nitrate ion in solution at pH >=6.5	22	2,446	320	47	2,835	43
67-64-1	Acetone	4,091	39	260	0	4,397	128
108-05-4	Vinyl acetate	85	0	160	1	246	13
7647-01-0	Hydrochloric acid	4,379	9	149	2	4,544	227
	Total of highest 10 to underground	49,962	16,842	15,656	3,839	86,344	1,419
	National total to underground			16,086			
	% of highest 10 to underground of national total			97.3%			

Table 7 – Highest 10 pollutants released on site to land (tonnes)

CAS #	Pollutant	Air	Water	Under-ground	Land	Total releases	No. of reports
NA	Zinc (and its compounds)	647	2,021	1	3,764	6,443	330
107-21-1	Ethylene glycol	535	69	564	3,258	4,429	232
NA	Manganese (and its compounds)	59	172	0	3,142	3,378	222
NA	Copper (and its compounds)	485	12,418	0	1,353	14,262	264
7429-90-5	Aluminum (fume or dust)	19	1	0	1,203	1,226	34
NA	Lead (and its compounds)	663	81	0	822	1,572	166
NA	Chromium (and its compounds)	14	32	0	650	703	210
1332-21-4	Asbestos (friable form)	1	0	0	524	525	46
NA	Ammonia (total)	18,453	4,289	6430	346	29,525	224
7440-62-2	Vanadium (fume or dust)	92	0	0	134	227	17
	Total of highest 10 to land	20,968	19,083	6,996	15,195	62,290	1,745
	National total to land				15,822		
	% of highest 10 to land of national total				93.0%		

Table 7 reports the highest 10 pollutants released on site to land. Similar to 1994, the highest three pollutants released on site to land were zinc and its compounds at 3,764 tonnes, ethylene glycol at 3,258 tonnes, and manganese and its compounds at 3,142 tonnes.

Toxic and carcinogenic pollutants

Some pollutants on the NPRI list may be of interest because of their determined toxicity, or their known or probable carcinogenicity.

Toxicity is defined in Section 11 of the *CEPA* as:

"… a pollutant is toxic if it is entering or may enter the environment in a quantity or concentration or under conditions

a) having or that may have an immediate or long-term harmful effect on the environment

b) constituting or may constitute a danger to the environment on which human life depends, or

c) constituting or that may constitute a danger in Canada to human life or health."

In the *CEPA*, regulated pollutants are classified under Schedule 1. Assessments of toxicity for a number of pollutants have been performed under the Priority Substances List 1 (PSL 1) of the *CEPA*. Those pollutants that met the toxicity criteria are generally called *CEPA*-toxic. Other pollutants are currently being assessed for toxicity under the PSL 2 of the *CEPA*.

The classification of carcinogens in this report comes from the International Agency for Research on Cancer (IARC). The NPRI pollutants listed in Table 8 are known to be regulated under Schedule 1 of the *CEPA*, toxic under the *CEPA*, and carcinogenic or probably carcinogenic under IARC 1 and 2A. Total on-site releases are also presented in this table.

Table 8 – On-site releases of toxic and carcinogenic pollutants (tonnes)

CAS no.	Pollutant	Air	Under-ground	Water	Land	Total releases	Schedule 1	Toxics	IARC 1	IARC 2A
107-13-1	Acrylonitrile	15	0	1	0	17				Y
NA - 02	Arsenic (and its compounds)	87	3,600	17	5	3,710		Y	Y	
1332-21-4	Asbestos (friable form)	1	0	0	524	525	Y		Y	
71-43-2	Benzene	2,121	77	7	2	2,211		Y	Y	
117-81-7	*Bis*(2-ethylhexyl) phthalate	27	0	0	33	59		Y		
NA - 03	Cadmium (and its compounds)	18	0	4	25	48		Y	Y	
56-23-5	Carbon tetrachloride	6	0	2	0	8	Y			
NA - 04	Chromium (and its compounds)	14	0	32	649	703		Y	Y	
107-06-2	1,2-Dichloroethane	6	0	0	0	6		Y		
75-09-2	Dichloromethane	2,203	0	0	0	2,207		Y		
77-78-1	Dimethyl sulphate	0	0	0	0	0				Y
106-89-8	Epichlorohydrin	1	0	0	0	1				Y
75-21-8	Ethylene oxide	26	0	0	0	26				Y
50-00-0	Formaldehyde	819	40	343	0	1,206				Y
NA - 08	Lead (and its compounds)	663	0	81	822	1,572	Y			
NA - 10	Mercury (and its compounds)	2	0	0	0	2	Y			
101-14-4	*p,p*'-Methylene*bis*(2-chloroaniline)	0	0	0	0	0				Y
NA - 11	Nickel (and its compounds)	645	0	46	120	814		Y	Y	
75-56-9	Propylene oxide	10	0	0	0	10				Y
96-09-3	Styrene oxide	0	0	0	0	0				Y
127-18-4	Tetrachloroethylene	147	0	0	0	149		Y		
79-01-6	Trichloroethylene	762	0	0	0	762		Y		
75-01-4	Vinyl chloride	18	0	0	0	18	Y		Y	
	Total	7,590	3,718	533	2,181	14,055				

On-site releases of NPRI-listed toxic and carcinogenic pollutants decreased between 1994 and 1995, with the exception of asbestos, nickel, epichlorohydrin and formaldehyde. On-site releases of lead and its compounds, for example, decreased by 570 tonnes. These decreases were achieved even though the number of reports increased over the two years.

Changes in the amount reported by one or more of the highest releasers often account for most of the change in total on-site releases of a pollutant from one year to the next, as observed by comparing on-site releases listed in Appendix 2 of this report, and those in Appendix 3 of the 1994 report.

Individual facilities include notable increases as well as decreases in on-site releases. For example, Cominco's Trail Operations (NPRI # 3802) reported a decrease of almost 100 tonnes of lead and its compounds at 159 tonnes in 1995. However, large on-site increases of lead and its compounds were reported by Noranda's Fonderie Horne (NPRI # 3623) in Rouyn-Noranda, Quebec, which increased from 246 to 355 tonnes.

Some steel plants, especially those using scrap steel and electric arc furnaces, reported large quantities of lead and its compounds released to land. These on-site releases sent to landfill sites are primarily dust recovered from air filters. The type and quantity of on-site releases from steel plants depend on the process, the quantity of steel produced and the type of scrap used to make the steel.

Of the steel plants, Co-Steel Lasco (NPRI # 3824) of Whitby, Ontario, reported on-site releases of 284 tonnes to land, an increase of 64 tonnes over 1994; Aciérie Sidbec-Dosco (ISPAC) inc. (NPRI # 3649) in Contrecoeur, Quebec, reported 189 tonnes, a decrease of 82 tonnes; and Sidbec-Feruni (ISPAT) inc. (NPRI # 3655), also of Contrecoeur, reported 102 tonnes, a decrease of 67 tonnes.

On-site releases of benzene have decreased by 460 tonnes since 1994. The highest decreases were at the Bayer Rubber Inc. (NPRI # 1944, formerly Polysar Rubber Inc.) of Sarnia, Ontario, and the Stelco Hilton Works (NPRI # 2984) in Hamilton, Ontario. On-site releases from the Bayer plant decreased from 319 tonnes to 167 tonnes, a reduction of 152 tonnes; and Stelco's Hilton Works reported a decrease of just over 100 tonnes, from 284 tonnes in 1994 to 171 tonnes in 1995. Petroleum refineries, among the largest releasers of benzene, all reported lower on-site releases for 1995 over 1994.

Cadmium is another pollutant showing a sharp drop in on-site releases at 48 tonnes for 1995, less than half those for 1994. Sydney Steel in Nova Scotia reported an increase of 4 tonnes of cadmium released to land.

On-site releases of chromium decreased by 100 tonnes. The decrease would have been larger had it not been for a new facility which reported on-site releases of 159 tonnes of chromium. The 100-tonne overall decrease is due to Fonderies canadiennes d'acier ltée (NPRI # 4371) of Montreal, Quebec, reporting a decrease of 200 tonnes over 1995, with 290 tonnes released on site to land. Most on-site releases of chromium are to landfill from steel plants and some from power generating stations.

In the category of small but significant changes, on-site releases of vinyl chloride decreased by a little more than 5 tonnes to 18 tonnes for 1995. All facilities listed as the highest releasers of vinyl chloride reported reductions between 1994 and 1995. The largest decrease reported was from Imperial Oil, Chemical Division (NPRI # 1464) in Sarnia, Ontario, where on-site releases decreased by 4 tonnes to 6 tonnes.

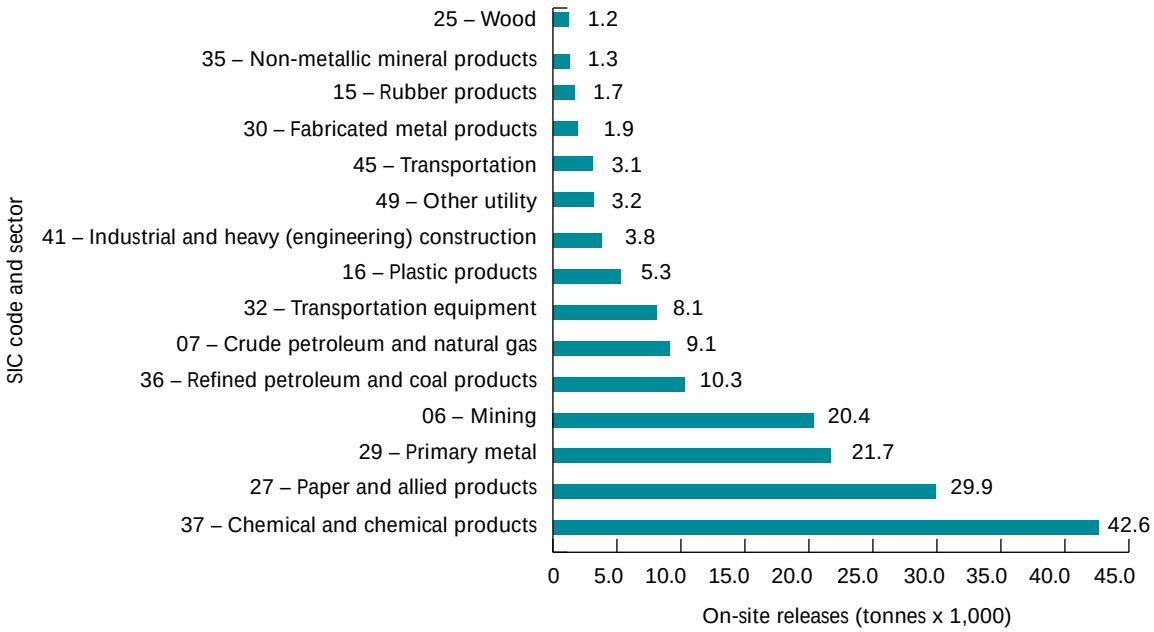
While on-site releases of formaldehyde increased overall, the largest reported release by the Corp. Stone Consolidated plant (NPRI # 2752) in Shawinigan, Quebec, decreased by 74 tonnes to 147 tonnes.

On-site releases of pollutants by industrial codes

Standard Industrial Classification (SIC) codes are numerical identifiers for different types of businesses and industries. In Canada, unless specifically exempt by law, all industrial sectors are required to report to the NPRI. In 1995, facilities from 47 industrial sectors, five more than in 1994, reported to the NPRI.

The NPRI requires facilities to report the SIC code that best represents the primary industrial activity of the facility. The first two-digits of a four-digit SIC code define a major business sector, while the last two denote a facility's speciality within the major sector. It should be noted that many facilities have multiple industrial activities occurring simultaneously, and the assignment of a single SIC code can result in similar facilities selecting different codes. Figure 5 presents the 15 industrial sectors with the highest quantities of on-site releases.

Figure 5
Industrial sectors with the highest on-site releases



As in 1994, the largest contributor is the chemical and chemical products industry, at 42,607 tonnes, accounting for 25.2% of the national total. The second- and third-largest contributers, as in 1994, are the paper and allied products and the primary metal industrial sectors releasing, respectively, 29,862 tonnes (17.7%) and 21,667 tonnes (12.8%). The highest 10 industrial sectors represent 91.3% of the national on-site releases. Appendix 5 documents the pollutants and quantities reported by each industrial sector to the different environmental media.

Different factors must be considered before making conclusion on the environmental performance of particular industrial sector. For example, one should consider the number and size of reporting facilities, the complexity of the process and the best available technologies. It is not correct to assume that industrial sectors with the highest on-site releases are less inclined than others toward pollution prevention and control.

Pollutants that are toxic, carcinogenic or suspected of being carcinogenic are sometimes associated with only one or two easily-identifiable industrial sectors. However, the majority of these pollutants are released by a large number of industrial sectors which may create difficulties when addressing pollution-control and prevention issues. Appendix 7 lists, for each of these toxic, carcinogenic or probably-carcinogenic pollutants, the industrial sectors responsible for on-site releases, with their associated quantities.

Anticipated on-site releases

Facilities must provide estimates of their on-site releases over the next three years. Additional years' estimates are optional. It is important to note that these projections are not necessarily planned reductions or increases, but rather represent the best estimates available.

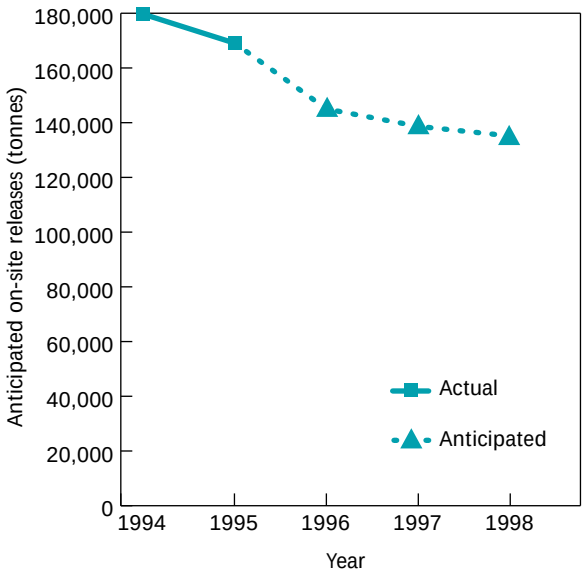
Actual on-site releases for 1994 and 1995, and those projected for 1996 to 1998, are presented in Figure 6, as reported by facilities. Using 1994 as a baseline, projections show a 25% decrease in anticipated on-site releases by 1998. The actual reduction between 1994 and 1995 is lower than that originally projected in 1994.

There are large increases in reporting between 1994 and 1995 because of the change in the method used to calculate the

reporting threshold. These changes do not necessarily represent increases in actual on-site releases, but rather increases in reporting of on-site releases due to above-noted change.
It is not possible to determine the exact effect of this change, but some changes in on-site releases between 1994 and 1995 stand out:

- on-site releases of carbon disulphide increased from 26 tonnes to 3,700 tonnes
- hydrogen fluoride increased from 29 tonnes to 1,800 tonnes, and
- on-site releases of more than 1,858 tonnes of sulphuric acid to air can be attributed to facilities that have reported these on-site releases for the first time.

Figure 6
Actual and anticipated on-site releases in 1994 and 1995

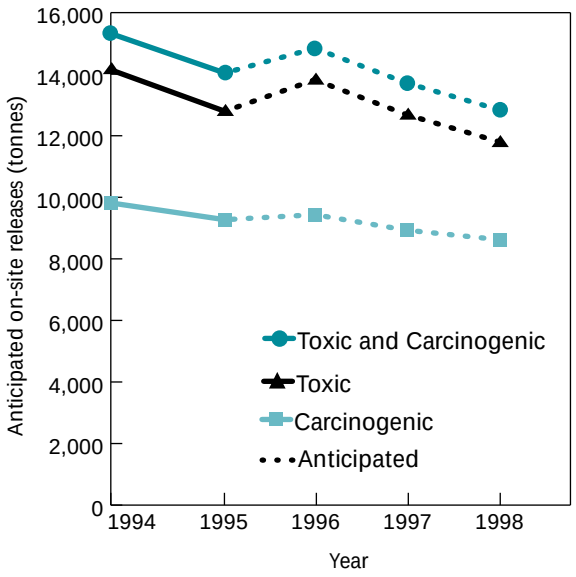


Anticipated on-site releases of toxic and carcinogenic pollutants are of particular interest to the public, Environment Canada, the federal government and the international community in light of emphasis placed on the management of toxic pollutants. Figure 7 presents three projections starting in 1994 until 1998 – one representing the total anticipated on-site releases of Schedule 1, *CEPA*-toxic, IARC 1 and 2A pollutants, one representing only Schedule 1 and *CEPA*-toxic pollutants, and one representing only known or probable carcinogens.

It should be noted that the projection identified as 'toxic and carcinogenic' does not constitue the sum of the 'toxic' and 'carcinogenic' forecasts, because some polllutants appear both under toxic and carcinogenic.

All three projections show an anticipated reduction in on-site releases, but at different rates. The cumulative projection by the end of 1998 shows a 16% decrease. *CEPA* pollutants are forecast to have a 16.6% decrease and IARC pollutants, 12%.

Figure 7
Actual and anticipated on-site releases of toxic and carcinogenic pollutants



Major receiving water bodies and points of discharge

Facilities submitted 665 pollutant reports for on-site releases to 129 different water bodies. Appendix 6 lists the receiving waters and identifies the pollutants and quantities released to each water body. Table 9 presents the eight water bodies receiving more than 1,000 tonnes of pollutants discharged on site by facilities.

Comparing Table 9 with the list in the 1994 Summary Report (Table 8), six water bodies (Rupert Inlet, Saint John River (Estuary), Lake Superior, Saint Maurice River, St.Lawrence River, and Ottawa River) are found on both tables. Rupert Inlet in British Columbia received the highest on-site releases at 12,000 tonnes, from one facility.

Most water bodies received fewer on-site releases in 1995 than in 1994, with the exception of the Saint John River in New Brunswick, which increased its uptake by 6.3%. A notable decrease in 1995 was for the St. Lawrence River which received 85.2% fewer pollutants than in 1994. The reduction is attributed to Kronos of Varennes, Quebec, decreasing its on-site releases by 99.5 % because of the company's program to convert the sulfuric acid discharge into a chemical used in wallboards.

Table 9 – Water bodies receiving more than 1,000 tonnes of pollutants

Water body	Province	Releases (tonnes)	No. of reports
Rupert Inlet	British Columbia	12,000	1
Saint John River (Estuary)	New Brunswick	3,388	2
Columbia River	British Columbia	2,757	10
Lake Superior	Ontario	2,063	6
Saint-Maurice River	Quebec	1,963	4
Nipigon Bay	Ontario	1,660	1
St-Lawrence River	Quebec	1,533	46
Ottawa River	Quebec	1,382	9
Total		26,745	79

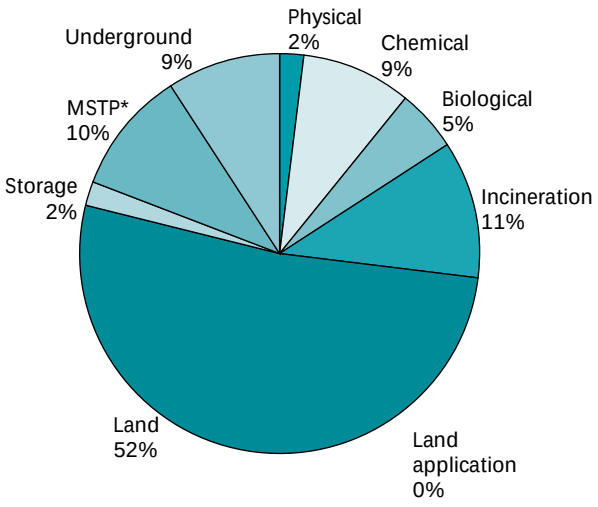
Off-site transfers in waste

Overview

An off-site transfer in waste is defined as a shipment of a pollutant to an off-site location. Off-site transfers in waste are divided into five treatments (physical, chemical, biological, incineration and municipal sewage treatment plant – MSTP) and four disposal methods (land, storage, underground injection and land application).

National off-site transfers in waste reported, for 1995, climbed to 60,422 tonnes, an increase of 20.6% compared to 50,117 tonnes in 1994. Similar to 1994 values, more than half was shipped to land (Figure 8). Incineration and chemical treatments accounted for 11.2%, and 9.4%, respectively.

Figure 8
National off-site transfers in waste by treatment and disposal method

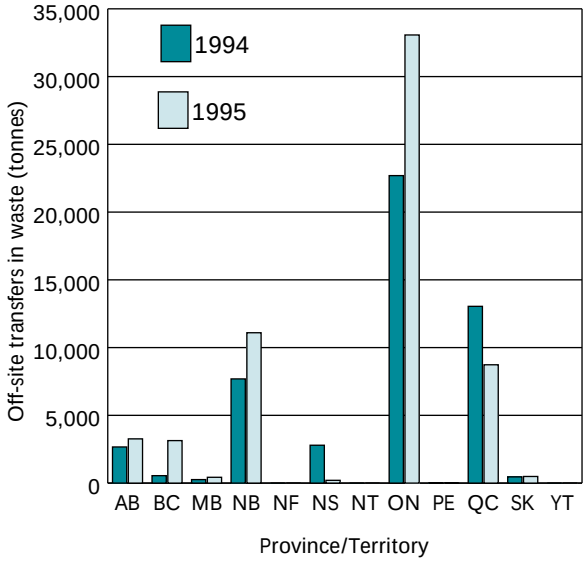


* Municipal sewage treatment plant.

The province with the largest off-site transfers in waste, as shown in Figure 9, was Ontario. New Brunswick was second, followed by Quebec. Appendix 8 lists, in alphabetical order, the pollutants and quantities transferred for each of the categories and sub-categories.

As depicted in Figure 9, Ontario shows a dramatic increase of 46% in off-site transfers, from 22,654 tonnes to 33,071 tonnes. New Brunswick presents a 44% increase, from 7,689 tonnes to 11,096 tonnes. Quebec, shows a 33% decrease over the previous year. Other provinces, such as Nova Scotia and British Columbia are also showing important changes in terms of percentage but the quantities are small.

Figure 9
Off-site transfers in waste by province/territory in 1994 and 1995



Highest 25 pollutants transferred off site for treatment and disposal

As shown in Figure 10 and Table 10, the highest 25 pollutants transferred represent 97% (60,422 tonnes) of the total off-site transfers in waste in 1995. These 25 pollutants follow a distribution pattern similar to that of the total off-site transfers in waste.

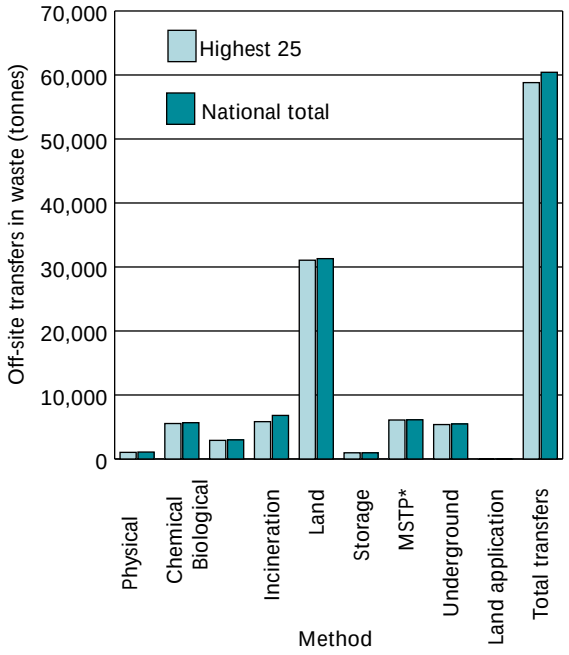
The highest quantity of transfers in waste sent off site was of zinc and its compounds, representing 21% of the national total.

Table 10 – Highest 25 pollutants transferred off site in waste (tonnes)

CAS #	Substance name	Physical	Chemical	Biologic.	Inciner.	Land	Storage	MSTP*	Under-ground	Land applic.	Total transfers	No. of reports
NA	Zinc (and its compounds)	155	2,897	0	17	9,653	18	13	0	0	12,753	167
7429-90-5	Aluminum (fume or dust)	0	0	0	0	9,643	0	0	0	0	9,643	12
7664-93-9	Sulphuric acid	0	297	0	8	21	330	109	4,350	0	5,115	42
1332-21-4	Asbestos (friable form)	0	0	0	0	4,157	0	0	0	0	4,157	35
NA	Nitrate ion in solution at pH >=6.5	0	0	0	0	33	0	3,687	0	0	3,720	18
NA	Manganese (and its compounds)	315	447	0	0	2,817	97	4	0	0	3,397	89
107-21-1	Ethylene glycol	670	65	1,214	229	20	8	551	220	0	2,978	95
67-56-1	Methanol	9	2	1,339	524	151	0	106	660	0	2,792	83
NA	Chromium (and its compounds)	59	419	0	3	2,077	23	8	0	0	2,589	117
NA	Lead (and its compounds)	2	499	0	3	1,555	1	3	0	0	2,063	68
7647-01-0	Hydrochloric acid	0	281	20	23	81	0	1,008	0	0	1,412	30
108-88-3	Toluene	17	51	16	1,277	5	6	2	9	0	1,383	113
1330-20-7	Xylene (mixed isomers)	4	10	1	1,304	23	0	0	4	0	1,346	121
67-63-0	Isopropyl alcohol	3	0	0	541	5	172	80	0	0	801	73
NA	Ammonia (total)	0	156	191	71	1	0	315	0	0	735	30
108-05-4	Vinyl acetate	0	3	0	589	0	0	1	0	0	594	6
67-64-1	Acetone	3	2	7	416	63	2	40	0	0	532	43
NA	Copper (and its compounds)	11	74	0	19	408	1	4	0	0	515	110
7664-38-2	Phosphoric acid	12	41	0	1	127	220	67	0	0	468	25
78-93-3	Methyl ethyl ketone	11	2	0	418	1	7	0	0	0	437	50
NA	Nickel (and its compounds)	26	158	0	0	142	80	3	0	0	408	57
7697-37-2	Nitric acid	0	83	0	7	2	0	60	131	0	284	15
108-95-2	Phenol (and its salts)	0	41	103	47	13	0	30	0	0	233	21
100-42-5	Styrene	1	14	1	183	33	0	0	0	0	231	24
71-36-3	*n*-Butyl alcohol	20	1	17	153	27	1	3	0	0	221	32
	Total of highest 25	1,034	5,541	2,908	5,834	31,059	966	6,092	5,375	0	58,809	1,476
	National total	1,084	5,670	2,987	6,807	31,305	967	6,125	5,476	0	60,422	1,890
	% of national total	95.4%	97.7%	97.4%	85.7%	99.2%	99.9%	99.5%	98.1%	100%	97.3%	78.1%

* Municipal sewage treatment plant.

Figure 10
Contribution of highest 25 pollutants transferred off site in waste to national total



Toxic and carcinogenic pollutants transferred off site in waste

Table 11 presents, in descending order, Schedule I, *CEPA*-toxic, and IARC 1 and 2A pollutants and, the quantities transferred to off-site locations.

Anticipated off-site transfers in waste for treatment and disposal

Figure 11 presents a graph of the actual off-site transfers in waste for 1994 and 1995, as well as the anticipated values reported in 1994 and 1995 for 1996, 1997 and 1998.

Total off-site transfers in waste amounted to 50,117 tonnes in 1994, and are projected at 59,531 tonnes for 1998, a 19% increase over four years

Figure 11
Actual and anticipated off-site transfers in waste in 1994 and 1995

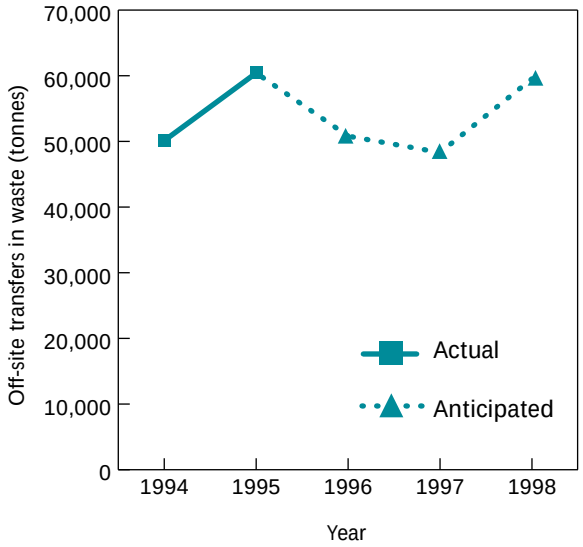


Table 11 – Toxic and carcinogenic pollutants transferred off site in waste (tonnes)

CAS #	Substance	Physical	Chemical	Bio-logical	Inciner.	Land	Storage	MSTP*	Under-ground	Land applic.	Total transfers	No. reports
NA	Arsenic (and its compounds)	4	0	0	0	12	0	0	0	0	16	42
1332-21-4	Asbestos	0	0	0	0	4,157	0	0	0	0	4,157	46
71-43-2	Benzene	0	0	2	127	1	0	0	30	0	161	103
117-81-7	*Bis*(2-ethylexyl) phthlalate	1	0	0	6	34	0	0	0	0	42	30
NA	Cadmium (and its compounds)	0	0	0	0	14	0	0	0	0	14	18
56-23-5	Carbon tetrachloride	0	0	0	13	0	0	0	0	0	13	6
NA	Chromium (and its compounds)	59	419	0	3	2,077	23	8	0	0	2.589	210
107-06-2	1,2 -Dichloroethane	0	0	0	0	0	0	0	0	0	0	4
75-09-2	Dichloroethane	0	26	0	43	0	0	0	0	0	69	56
50-00-0	Fromaldehyde	0	3	62	91	24	0	10	0	0	189	91
NA	Lead (and its compounds)	2	499	0	3	1,555	1	3	0	0	2,063	166
NA	Mercury (and its compounds)	0	9	0	0	10	0	0	0	0	19	6
NA	Nickel (and its compounds)	26	158	0	0	142	80	3	0	0	408	142
127-18-4	Tetrachloroethylene	29	0	0	41	0	0	0	0	0	71	29
79-01-6	Trichloroethylene	3	15	0	10	0	0	0	0	0	29	40
75-01-4	Vinyl chloride	0	0	0	0	1	0	0	0	0	1	9
	Total	125	1,129	64	339	8,027	105	22	30	0	9,841	998

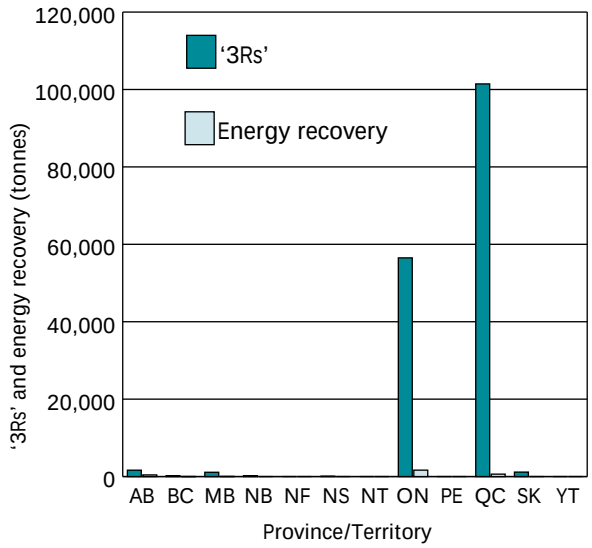
* Municipal sewage treatment plant.

Recovery, re-use and recycling ('3Rs') and energy recovery

The '3Rs' and energy recovery are reported voluntarily by facilities and may therefore present an incomplete picture of the national effort toward pollution reduction. In total, 165,100 tonnes were reported as sent off site for the '3Rs' and energy recovery in 1995, a decrease of 39.2% from 1994.

Figure 12 presents the reported quantities sent off site for the '3Rs' and for energy recovery by province. Quebec was the province with the highest tonnage at 102,068 tonnes, followed by Ontario at 58,159 tonnes.

Figure 12
'3Rs' and energy recovery by province/territory



The '3Rs'

A total of 57 pollutants, representing 162,355 tonnes were sent offsite for the '3Rs' in 1995. Appendix 11 summarizes, by pollutant, the quantities sent for the '3Rs'. The highest 10 pollutants sent for the '3Rs' are shown in Table 12, accounting for 91.4% of the national amount, and 56.3% of the reports submitted. The highest pollutants were two acids – sulphuric (34,136 tonnes) and hydrochloric (31,028 tonnes), representing 21% and 19% of the national total, respectively.

Table 12 – Highest 10 pollutants sent to the '3Rs' (tonnes)

CAS #	Pollutant	'3Rs'	No. of reports
7664-93-9	Sulphuric acid	34,136	24
7647-01-0	Hydrochloric acid	31,028	11
NA	Copper (and its compounds)	17,865	108
NA	Zinc (and its compounds)	17,212	103
115-07-1	Propylene	17,066	1
NA	Lead (and its compounds)	9,257	57
NA	Manganese (and its compounds)	8,820	75
108-88-3	Toluene	5,771	61
NA	Chromium (and its compounds)	3,752	59
78-93-3	Methyl ethyl ketone	3,440	38
	Total of highest 10	148,346	537
	National total	162,355	954
	% of highest 10 of national total	91.4%	56%

Among the pollutants reported in the highest 10 for '3Rs' are two *CEPA* toxic pollutants – chromium and its compounds at 3,752.5 tonnes, and lead and its compounds at 9,257 tonnes.

The pollutants reported the most often were copper and its compounds in 108 reports, and zinc and its compounds in 103 reports.

Energy recovery

Energy recovery is applicable only when recuperated energy from combustion is used as an alternative to fossil fuels or other forms of energy. A total of 2,745 tonnes were sent for energy recovery, covering 34 pollutants. Appendix 11 reports the national values for 1995.

The highest 10 pollutants sent for energy recovery are listed in Table 13 representing 94.4% of the national quantity reported and 80% of the total pollutant reports received.

As in 1994, the highest pollutants represent three chemical groups – hydrocarbons, alcohols and ketones. Xylene and toluene continue to lead the highest-10 list at 1,035.74 and 402.85 tonnes, respectively, and together represent 32% of the total number of reports received nationally .

Table 13 – Highest 10 pollutants sent for energy recovery (tonnes)

CAS #	Pollutant	Energy recovery	No. of reports
1330-20-7	Xylene (mixed isomers)	1,036	35
108-88-3	Toluene	403	36
67-56-1	Methanol	337	21
67-64-1	Acetone	200	12
67-63-0	Isopropyl alcohol	186	26
78-93-3	Methyl ethyl ketone	124	16
100-41-4	Ethylbenzene	106	6
71-36-3	*n*-Butyl alcohol	85	12
108-10-1	Methyl isobutyl ketone	74	7
107-21-1	Ethylene glycol	42	6
	Total of highest 10	2,591	177
	National total	2,745	220
	% of highest 10 of national total	94.4%	80%

Comparison to other industrial sectors releasing pollutants

Background

A large number of small facilities are not required to report to the NPRI because they do not meet the reporting criteria. Although on-site releases of NPRI pollutants from each facility are small, collectively, as an industrial sector, they could be significant. Two sectors that fit this description are dry cleaners and solvent degreasers. The data presented below has been extracted from non-NPRI sources and inventory.

Pollutants released from these sectors are *CEPA*-toxic – tetrachloroethylene from dry cleaners, and trichloroethylene (TCE) and tetrachloroethylene (also called perchloroethylene or 'perc') from solvent degreasers. Estimated on-site releases from these sectors are presented in the following sections, and are compared with data submitted to the NPRI by non-exempt facilities. The data used to produce these sections are based on 1994 information.

Dry cleaners

Environment Canada's report [EC, 1995a] entitled "Strategic Options for the Management of Tetrachloroethylene in the Dry Cleaning Sector" estimates that 5,549 tonnes of 'perc' were used by about 3,300 dry-cleaning facilities in Canada in 1994. Since the quantity of 'perc' used approximately equals environmental releases, releases of 'perc' for the dry cleaning sector can be estimated and are shown in Table 14.

Table 14 – Estimated releases of tetrachloroethylene from the dry cleaning sector in 1994 (tonnes)

Province	Air	Water	Land
Newfoundland	31	0.03	3.5
Prince Edward Island	10	0.01	1.1
Nova Scotia	96	0.05	10.5
New Brunswick	63	0.03	6.8
Quebec	1,596	0.83	174.4
Ontario	1,927	1.30	232.4
Manitoba	82	0.06	9
Saskatchewan	115	0.08	12.5
Alberta	436	0.31	48
British Columbia	608	0.48	73.4
Yukon	3	0.00	0.4
Northwest Territories	6	0.01	0.7
Canada	4,973	3.19	573

Solvent degreasers

The report entitled "Strategic Options for the Management of Trichloroethylene and Tetrachloroethylene in the Solvent Degreasing Sector" produced by Environment Canada [1995b] estimated that 2,800 tonnes of TCE and 1,600 tonnes of 'perc' were used in solvent degreasing in Canada in 1994. Provincial distribution of that quantity was based on the number of degreasing machines, estimated at between 1,000 and 1,500, most located in Ontario and Quebec.

Since all the TCE and 'perc' consumed as solvent is released to the environment, it was assumed that on-site releases more or less equal the quantities used, with 90% emitted to the atmosphere, 0.05% discharged to water, and the remainder (9.95%) transferred off site in waste. Estimated on-site releases of TCE and 'perc' from the solvent degreasing sector for 1994 are shown in Tables 15 and 16.

Table 15 – Estimated releases of trichloroethylene from the solvent degreasing sector in 1994 (tonnes)

Province	Air	Water	Land
Atlantic Provinces	126	0.07	13.93
Quebec	756	0.42	83.58
Ontario	1,008	0.56	111.44
Manitoba/Sask.	252	0.14	27.86
Alberta	126	0.07	13.93
British Columbia	252	0.14	27.86
Canada	2,520	1.40	278.6

Table 16 – Estimated releases of 'perc' from the solvent degreasing sector in 1994 (tonnes)

	Air	Water	Land
Atlantic Provinces	72	0.04	7.96
Quebec	432	0.24	47.76
Ontario	576	0.32	63.38
Manitoba/Sask	144	0.08	15.92
Alberta	72	0.04	7.96
British Columbia	144	0.08	15.92
Canada	1,440	0.8	159.2

Comparison with NPRI data

There are significant on-site releases of NPRI pollutants from dry cleaners and solvent degreasers. A large number of small facilities from these two sectors release much more than the combined on-site releases reported to the NPRI. The total on-site releases of TCE and 'perc' are 762 and 149 tonnes respectively for 1995. This compares to the 2,800 tonnes of TCE used for degreasing in 1994 and the 5,549 tonnes of TCE used for dry cleaning and 1,600 tonnes used for degreasing in 1994. These releases are approximately 4 times larger for TCE and 50 times larger for 'perc' than those reported to the NPRI in 1995.

Fuel distribution and mobile sources

This section provides supplementary information on releases of NPRI pollutants from sources such as fuel distribution, motor vehicles and mobile equipment.

For the fuel distribution system, estimated releases of volatile organic compounds (VOCs) were based on a report published in 1993 by the Canadian Petroleum Products Institute [1993], and based on 1988 information. Emission data from 1988 were adjusted to compensate for changes since that time in the volume of fuel distributed, the volatility of the fuel and the implementation of Stage 1 vapour recovery systems in the Greater Vancouver area and in Southern Ontario.

Estimates of releases of individual pollutants listed in the NPRI were based on an average gasoline composition, and its calculated vapour composition. As a result, releases of listed pollutants were calculated using a percentage of total VOCs.

Actual releases vary significantly because of variations in fuel composition, ambient temperature and other factors.

Between 1988 and 1994, many small fuel distribution centres (bulk plants) were closed. As a result, there now are fewer small reservoirs in service and potentially fewer off-site transfers in waste of fuels between refinery and final delivery. While these changes would reduce overall releases, the impact of these changes could not be quantified.

The mobile sources considered in this report include aircraft, marine, railways, off-road use of gasoline-powered engines, off-road use of diesel-powered engines, on-road motor vehicles and lawnmowers.

As with fuel distribution, the total VOC releases for each mobile source were calculated and a profile of the individual species of VOC was used to estimate releases of listed pollutants. For most mobile sources, VOC releases were estimated using an emission factor for the type of engine and the quantity of fuel burned.

The exceptions to this method of calculation are on-road motor vehicles, aircraft and lawnmowers. Releases of VOCs from on-road motor vehicles are estimated using a computer model (MOBILE5C), which calculates an average emission rate in grams per mile travelled for each type of motor vehicle. For each province, this factor is multiplied by the average distance travelled and the number of vehicles to estimate releases of VOCs. The VOC species profile is based on a study of pollutants in the Cassiar Tunnel in British Columbia, the most recent Canadian study involving a large number of motor vehicles [EC, 1994b].

Releases of VOCs from aircraft were estimated using emission factors for each type of engine for landing and take-off (LTO) cycles. The number of LTO cycles for each type of aircraft was obtained from Transport Canada. To estimate releases of individual species, the total VOCs were then multiplied by the species profile [TC, 1995].

Releases of NPRI pollutants from lawnmowers were based on the use of an empirical formula and test measurement data done by Environment Canada [EC, 1994c].

Lead releases from aircraft burning aviation gasoline have been studied. By relating concentrations of lead in such gasoline to use, it is estimated that 68 tonnes of metallic lead were released to the atmosphere in 1994.

Because methylcyclopentadienyl manganese tricarbonyl (MMT) is used in Canada, releases of manganese from off-road gasoline-powered engines and on-road motor vehicles were also estimated.

The total releases of NPRI pollutants from fuel distribution and mobile sources are summarized in Table 17, for Canada and each province or territory. As expected, provinces with larger populations (Ontario and Quebec) show higher on-site releases from these sectors.

Table 17 – Total releases of NPRI pollutants from fuel distribution and mobile sources in 1994 (tonnes)

Substance	AB	BC	MN	NB	NF	NS	NT	ON	PE	QC	SK	YN	CAN
Acetaldehyde	568	445	184	117	75	121	26	1,370	20	814	218	11	3,967
Acetone	54	295	22	47	14	112	12	262	1	330	15	1	1,165
Benzene	4,238	3,195	1,373	880	515	849	75	9,459	174	5,811	2,109	51	28,725
1,3-Butadiene	1,046	836	366	235	116	209	19	2,743	43	1,644	498	9	7,767
Butyraldehyde	25	30	10	4	6	7	6	54	1	28	7	1	178
Cyclohexane	292	224	96	62	36	60	4	659	12	388	145	2	1,979
Ethylbenzene	1,242	938	402	258	149	247	20	2,780	52	1,713	623	15	8,437
Ethylene	11,577	8,827	3,724	2,348	1,462	2,319	272	24,985	469	15,352	5,777	149	77,263
Formaldehyde	1,686	1,681	549	402	225	508	83	4,277	60	2,816	643	33	12,962
Lead	9	15	7	1	2	1	6	14	0	7	5	2	68
Manganese	7	6	2	2	1	2	0	21	0	13	3	0	58
Naphthalene	352	259	117	74	38	66	7	854	14	519	165	3	2,467
Phenol	5	6	2	1	1	1	1	11	0	5	1	0	35
Propionaldehyde	151	104	42	28	20	32	5	340	5	206	46	4	985
Propylene	4,258	3,243	1,410	909	487	837	60	10,071	178	6,150	2,111	45	29,758
Styrene	417	327	145	93	44	81	6	1089	17	656	200	3	3,080
Toluene	5,597	4,227	1,832	1,181	660	1,113	86	12882	232	7,855	2,780	62	38,506
1,2,4-Trimethylbenzene	1,796	1,347	579	370	215	354	29	3,986	74	2,454	904	22	12,128
Xylenes (mixed isomers)	5,219	3,921	1,678	1,075	629	1,030	85	11,522	216	7,097	2,629	63	35,162
m-Xylene	12	7	4	3	2	4	0	32	1	19	4	0	88
o-Xylene	10	8	4	3	2	3	1	24	0	14	3	0	73
p-Xylene	5	3	2	1	1	2	0	13	0	8	2	0	37
Total	**38,566**	**29,944**	**12,550**	**8,094**	**4,700**	**7,958**	**803**	**87,448**	**1,569**	**53,899**	**18,888**	**476**	**264,888**

In total, 264,888 tonnes of 22 NPRI pollutants were estimated to have been released from these sectors in 1994. In comparison, 37,368 tonnes of these pollutants were reported to the NPRI, or a little over seven times less.

Summary

The data in this section show that for some pollutants, releases from sources not reporting to the NPRI (area or mobile sources) were much larger than those reported to the NPRI. With the exception of TCE (solvent degreasers) and 'perc' (solvent degreasers and dry cleaners), the fuel distribution/mobile sources sector were responsible for the majority of releases of the NPRI pollutants.

Other inventories

This section provides information from other inventory sources on significant releases in Canada of pollutants that do not currently appear on the NPRI list. The intent is to provide context to the NPRI on-site releases and off-site transfers data.

Two air emission inventories, prepared by Environment Canada, are included – greenhouse gases [EC, 1997] and criteria air contaminants [EC, 1996b].

Criteria air contaminants

The 1990 emissions inventory of criteria air contaminants (formerly known as common air contaminants), one of the most up-to-date inventory in Canada, was compiled with the collaboration of provincial and territorial ministries of environment and energy. This inventory supports a number of national and international programs including the Ambient Air Quality Criteria, the Convention on Long-range Transboundary Air Pollution, the NOx/VOC Management Plan and the Canada/U.S. Air Quality Agreement.

The information in Table 18 of this report includes 1990 release summaries for the following criteria air contaminants:

- Sulphur oxides (SOx)
- Nitrogen oxides (NOx)
- Volatile organic compounds (VOCs)
- Total suspended particulate (TSP)
- Carbon monoxide (CO)

Table 18 – Emission summaries for criteria air pollutants in 1990 (tonnes)

Category/sector	Part	SOx	NOx	VOC	CO
Industrial Sources					
ABRASIVES MANUFACTURE	1,105	3,490	214	1,758	636
ALUMINUM PRODUCTION	19,829	31,967	3,173	834	287,598
ASBESTOS PRODUCTION	23,889	1,748	895	45	167
ASPHALT PRODUCTION	35,006	434	260	2,206	112
BAKERIES	0	0	4	3,459	00
CEMENT AND CONCRETE MANUFACTURE	22,307	31,171	29,372	1,861	831
CLAY PRODUCTS	8,625	164	292	26	74
COAL INDUSTRY	70,231	2,857	1,824	2,457	2,300
CRUDE OIL PRODUCTION	29	67,187	2,952	4,390	520
FERROUS FOUNDRIES	1,312	1,875	30	1,106	1,785
GRAIN INDUSTRIES	54,146	00	10	1	2
IRON AND STEEL PRODUCTION	49,954	69,514	29,069	27,294	574,161
IRON ORE MINING AND BENEFICIATION	54,088	45,978	6,809	562	17,060
MINING AND ROCK QUARRYING	12,4060	3,854	3,243	142	789
NATURAL GAS PROCESSING	586	247,532	117,489	3,664	23,612
NON-FERROUS MINING AND SMELTING	16,016	1,401,425	54,594	329	189
OIL SANDS	4,149	148,211	15,855	30	10,485
OTHER CHEMICALS	14,236	13,740	15,102	2,818	6,250
OTHER PETROLEUM AND COAL PRODUCTS	968	557	458	116	30
PAINT & VARNISH MANUFACTURING	95	1	9	1,236	2

Category/sector	Part	SOx	NOx	VOC	CO
PETROCHEMICAL INDUSTRY	1,325	3,291	12,990	28,662	11,115
PETROLEUM REFINING	8,269	132,647	33,466	82,264	58,595
PLASTICS & SYNTHETIC RESINS FABRICATION	213	424	354	12,477	820
PULP AND PAPER INDUSTRY	109,417	141,717	61,388	20,165	98,760
UPSTREAM OIL & GAS OPERATIONS	0	0	3,159	541,874	0
WOOD INDUSTRY	76,674	3,479	5,419	15,958	68,749
OTHER INDUSTRIES	113,837	66,665	85,322	88,575	21,414
Category total	810,367	2,419,926	483,751	842,636	1,187,056
Non Industrial Fuel Combustion					
COMMERCIAL FUEL COMBUSTION	2,242	19,368	24,192	1,055	5,785
ELECTRIC POWER GENERATION	154,025	690,201	252,356	2,280	66,168
RESIDENTIAL FUEL COMBUSTION	3,569	29,245	34,971	2,616	26,014
RESIDENTIAL FUELWOOD COMBUSTION	113,007	1,119	5,462	250,526	631,850
Category total:	272,842	739,933	316,982	256,478	729,817
Transportation					
AIRCRAFT	1,270	1,332	18,506	7,252	48,097
HEAVY-DUTY DIESEL VEHICLES	31,350	32,334	324,277	36,555	147,869
HEAVY-DUTY GASOLINE TRUCKS	324	173	11,943	11,445	152,144
LIGHT DUTY GASOLINE TRUCKS	1,589	3,786	95,323	137,294	1,313,815
LIGHT DUTY GASOLINE VEHICLES	4,822	9,378	294,501	441,800	4,017,518
LIGHT-DUTY DIESEL TRUCKS	487	2,323	2,610	1,088	2,098
LIGHT-DUTY DIESEL VEHICLES	271	2,408	1,959	679	1,609
MARINE	5,083	48,410	47,346	32,174	93,148
MOTOR CYCLES	20	19	540	3,023	9,574
OFF-ROAD USE OF DIESEL	24,688	17,271	271,643	27,763	84,911
OFF-ROAD USE OF GASOLINE	4,471	1,498	47,153	95,747	1,440,961
PROPANE POWERED VEHICLES	101	7	2,803	1,674	2,601
RAILROADS	22,004	14,317	134,143	6,599	46,713
TIRE WEAR	37,009	0	0	815	0
Category total:	133,489	133,255	1,252,748	803,908	7,361,058
Incineration					
OTHER INCINERATION	301	2,265	2,659	2,594	9,268
WOOD WASTE INCINERATION	33,948	487	4,882	52,898	625,417
Category total:	34,248	2,751	7,541	55,492	634,684
Miscellaneous					
APPLICATION OF SURFACE COATINGS	16	0	4	177,520	0
CIGARETTE SMOKING	3,376	0	0	0	1,348
DRY CLEANING	0	0	1	11,985	0
FUEL MARKETING	0	0	0	96,654	0

Category/sector	Part	SOx	NOx	VOC	CO
GENERAL SOLVENT USE	4	0	9	289,888	2
MARINE CARGO HANDLING INDUSTRY	3,989	0	00	1	0
PESTICIDES AND FERTILIZER APPLICATION	20,739	0	746	42,113	0
STRUCTURAL FIRES	2,306	0	514	2,376	7,921
Category total:	30,430	0	1,275	620,538	9,272
TOTAL FOR CANADA	1,281,375	3,295,867	2,062,297	2,579,051	9,921,887

* The Carbon Black Sector was grouped under the Other Industries Sector to protect the confidentiality of the information.

Greenhouse gases

The national inventory of greenhouse gases was developed by Environment Canada to meet Canada's commitment to the United Nations' Framework Convention on Climate Change. Emissions of greenhouse gases, in particular carbon dioxide, were estimated based on energy-use information published by Statistics Canada [1995].

Additional information was obtained from provided by the provinces, industrial associations and individual companies. In addition, Environment Canada conducted field studies and measurements for selected sources. The information used in this report is based on 1995 data.

Greenhouse gases included in this report are:

- Carbon dioxide (CO_2)
- Methane (CH_4)
- Nitrous oxide (N_2O)
- Perfluorocarbons (CF_4) (C_2F_6)
- Sulphur hexafluoride (SF_6)

Table 19 lists estimated emissions for each pollutant by sector and the equivalent quantity in CO_2 is highlighted. The global warming potential (GWP) multiplier is included at the top of the table. Carbon dioxide accounted for 81% of greenhouse gases.

The transportation sector contributed 27% of total emissions, industrial processes and combustion 18%, power generation 15%, and production and distribution of fossil combustion 15%. Together, these four sectors represented 69% of greenhouse gas emissions in Canada.

Emissions of greenhouse gases were approximately 5,000 times greater than the total on-site releases of NPRI pollutants to air in 1995 [EC, 1997].

Table 19 – Summary of greenhouse gases for 1995

SOURCE	CO_2 (kt)	CH_4 (kt)	CH_4 (kt CO_2)	N_2O (kt)	N_2O (kt CO_2)	CF_4 (kt)	CF_4 (kt CO_2)	C_2F_6 (kt)	C_2F_6 (kt CO_2)	SF_6 (kt)	SF_6 (kt CO_2)	HFCs (kt CO_2)	All Gases (kt CO_2)	Percent
GWP Multiplier			21		310		6,500		9,200		23,900	140-11,700		
Industrial processes														
Natural gas distribution	-	150	3,200	-	-	-	-	-	-	-	-	-	3,200	0.5%
Upstream oil and gas	10,600	1,600	33,000	-	-	-	-	-	-	-	-	-	43,600	7.0%
Cement/lime production	7,350	-	-	-	-	-	-	-	-	-	-	-	7,350	1.2%
Other non-energy use	18,100	-	-	-	-	1	5,000	0	600	0	2,000	-	25,700	4.2%
Coal mining	-	82	1,700	-	-	-	-	-	-	-	-	-	1,700	0.3%
Chemical production	-	-	-	37	12,000	-	-	-	-	-	-	-	12,000	1.9%
Subtotal	**35,800**	**1,800**	**38,000**	**37**	**12,000**	**1**	**5,000**	**0**	**600**	**0**	**2,000**	**-**	**93,400**	**15.1%**
Fuel combustion – stationary					-									
Power generation	102,000	1	17	2	770	-	-	-	-	-	-	-	103,000	16.6%
Industrial	77,000	3	61	1	330	-	-	-	-	-	-	-	77,400	12.5%
Pulp and paper and sawmills	10,183												10,200	1.6%
Iron and steel	14,999												15,000	2.4%
Other smelting and refining	2,794												2,790	0.5%
Cement	3,689												3,690	0.6%
Petroleum refining	2,072												2,070	0.3%
Chemicals	7,583												7,580	1.2%
Commercial	27,100	1	12	0	71	-	-	-	-	-	-	-	27,200	4.4%
Residential	41,900	1	31	0	110	-	-	-	-	-	-	-	42,000	6.8%
Agriculture	2,580	-	-	-	-	-	-	-	-	-	-	-	2,580	0.4%
Public administration	2,780	-	-	-	-	-	-	-	-	-	-	-	2,780	0.4%
Steam generation	656	-	-	-	-	-	-	-	-	-	-	-	656	0.1%
Producer consumption	44,000												44,000	7.1%
Other	11,600	0	5	1	160	-	-	-	-	-	-	-	11,800	1.9%
Fire wood (residential)*	22,500	16	340	1	360	-	-	-	-	-	-	-	700	0.1%
Fuel wood (industrial)	13,900	1	29	1	460	-	-	-	-	-	-	-	489	0.1%
Spent pulping liquors	32,300	-	-	-	-	-	-	-	-	-	-	-	0	0.0
Subtotal	**310,000**	**24**	**500**	**7**	**2,300**	**00**	**-**	**00**	**-**	**00**	**-**	**-**	**313,000**	**50.6%**

SOURCE	CO_2 (kt)	CH_4 (kt)	CH_4 (kt CO_2)	N_2O (kt)	N_2O (kt CO_2)	CF_4 (kt)	CF_4 (kt CO_2)	C_2F_6 (kt)	C_2F_6 (kt CO_2)	SF_6 (kt)	SF_6 (kt CO_2)	HFCs (kt CO_2)	All Gases (kt CO_2)	Percent
Fuel combustion – mobile														
Automobiles	53,700	10	200	26	8,100	-	-	-	-	-	-	-	62,000	10%
Light-duty gasoline trucks	23,100	4	94	12	3700	-	-	-	-	-	-	-	26,900	4.3%
Heavy-duty gasoline trucks	1,880	0	9	1	160	-	-	-	-	-	-	-	2,050	0.3%
Motorcycles	177	0	5	0	5	-	-	-	-	-	-	-	187	0.0%
Off-road gasoline	3,830	0	6	0	120	-	-	-	-	-	-	-	3,960	0.6%
Light duty diesel automobiles	859	0	0	0	39	-	-	-	-	-	-	-	898	0.1%
Light-duty diesel trucks	1,040	0	1	0	47	-	-	-	-	-	-	-	1,090	0.2%
Heavy-duty diesel vehicles	28,600	2	44	4	1,300	-	-	-	-	-	-	-	29,900	4.8%
Off-road diesel	13,300	1	27	2	600	-	-	-	-	-	-	-	13,900	2.2%
Air	10,500	1	12	1	320	-	-	-	-	-	-	-	10,800	1.7%
Rail	5,710	1	11	1	260	-	-	-	-	-	-	-	5,980	1.0%
Marine	5,350	0	6	1	240	-	-	-	-	-	-	-	5,600	0.9%
Other	2,360	-	-	-	-	-	-	-	-	-			2,360	0.4%
Subtotal	**150,000**	**20**	**400**	**48**	**15,000**	**0**		**0**		**0**			**165,000**	**26.7%**
Incineration														
Municipal solid waste	737	1	12	0	47								796	0.1%
Subtotal	**737**	**1**	**12**	**0**	**47**	**0**		**0**		**0**			**796**	**0.1%**
Agriculture														
Livestock/Manure	-	1000	21,000	-	-								21,000	3.4%
Fertilizer use	-	-	-	13	4,100	-	-	-	-	-	-	-	4,100	0.7%
Soils (net source)	2,480	-	-	-	-	-	-	-	-	-	-	-	2,480	0.4%
Subtotal	**2,480**	**1,000**	**21,000**	**13**	**4,100**	**0**	**-**	**0**	**-**	**0**	**-**	**-**	**27,600**	**4.5%**
Miscellaneous														
Prescribed burning*	-	13	270	0	130	-	-	-	-	-	-	-	400	0.1%
Wastewater/Compost	-	19	410	0	1								411	0.1%
Landfills	-	870	18,000	-	-	-	-	-	-	-	-	-	18,000	0.0
Anaesthetics/Propellants	-	-	-	1	450	-	-	-	-	-	-	20	470	0.1%
HFCs in Refrigeration/AC/Foam	-	-	-	-	-	-	-	-	-	-	-	500	500	0.1%
Subtotal	**900**	**19,000**	**2**	**570**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**500**	**20,100**	**3.2%**
National Totals*	**500,000**	**3,700**	**78,000**	**110**	**33,000**	**0.83**	**5,000**	**0.07**	**600**	**0.08**	**2,000**	**500**	**619,000**	**100%**

Due to rounding, individual values may not add up to totals

* National totals do not include carbon dioxide from the combustion of biomass.

Provincial and territorial picture

Overview

The following section presents a summary of the information for each province and territory, including a comparison between 1994 and 1995. Care should be taken when comparing the two years because of changes in the calculation of the reporting threshold and in the list of pollutants. The changes in the criterion for reporting were made to include certain facilities with large releases that did not trigger the reporting requirements of the NPRI. This change resulted in dramatic increases in the reporting of some pollutants, such as between 1994 and 1995. Provincial results were affected differently depending on the types of reporting facilities.

Ammonium nitrate and ammonium sulphate were removed from the list and the listing for ammonia was modified to "ammonia total", which includes the ammonium ion portion of ammonium nitrate and ammonium sulphate, as well as the ammonia in solution. The nitrate ion was added to capture the nitrate portion of ammonium nitrate and other nitrate salts in solution. The 1994 data presented below have been adjusted to remove the weight of the sulphate portion of ammonium sulphate to allow comparison between the two years.

Provincial summaries

Table 20 – Alberta	1994	1995
Total facilities	197	200
Total reports	892	949
Pollutants reported	76	73
On-site releases (tonnes)		
Air	23,117	28,307
Water	702	1,183
Underground	9,507	12,383
Land	1,723	1,651
Total	35,104	43,562
Off-site transfers in waste (tonnes)		
Treatment (1)	1,085	1,339
Disposal (2)	1,581	1,924
Total	2,666	3,263
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	1,753	1,647
Energy recovery	194	430
Total	1,947	2,076

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

Between 1994 and 1995, the number of reports submitted by facilities in Alberta increased by 6 percent and total releases increased by 8,458 tonnes or 24 percent.

The highest increase is because of a release of 3,599 tonnes reported for carbon disulphide. In 1994, releases of this pollutant were reported to be, essentially, zero. This change was caused by the change in 1995 of the minimum concentration criterion for by-products where these quantities were now included in the 10-tonne minimum threshold calculation. It should be noted that these releases do not represent an increase in *actual* releases, just one in *reported* releases.

The second pollutant with an important increase from 1994 is methanol, where releases increased by 2,615 tonnes to 10,254 tonnes for 1995. Releases of sulphuric acid also significantly increased, by 1,087 tonnes to 1,929 tonnes for 1995. This last increase was also mainly caused by the changes in the reporting threshold, rather than an actual increase in emissions. Large releases of sulphuric acid were reported by coal-fired generating stations and by Syncrude Canada Ltd. facilities that had not previously reported releases of this pollutant.

Releases of total ammonia decreased by a little more than 1,000 tonnes in 1995.

In 1994, there was a large error in reporting releases of isopropyl alcohol by one facility in Alberta. The data presented here contains the updated information supplied by the company and therefore does not match that in the 1994 Summary Report.

Table 21 – British Columbia	1994	1995
Total facilities	124	119
Total reports	418	409
Pollutants reported	67	65
On-site releases (tonnes)		
Air	6,582	6,968
Water	22,764	15,785
Underground	-	-
Land	352	189
Total	29,708	22,955
Off-site transfers in waste (tonnes)		
Treatment (1)	61	134
Disposal (2)	489	3,002
Total	549	3,136
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	183	203
Energy recovery	6	4
Total	190	207

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

Reported releases in British Columbia were 6,713 tonnes lower in 1995 than in 1994, representing a decrease of 22 percent. The most important reductions were for zinc and its compounds (2,711 tonnes), copper and its compounds (2,016 tonnes) and methanol (1,689). The reduction in zinc and its compounds can be attributed to Cominco Ltd.'s smelter in Trail. The reduction in copper and its compounds can also be attributed to BHP Minerals' Island Copper mine in Port Hardy.

There were increases in total ammonia and hydrogen fluoride of 1,254 and 415 tonnes respectively. The increase in reported ammonia could be because of the change in how ammonia was listed in 1995 compared to 1994, as noted in the introduction. Releases of hydrogen fluoride also increased because of the revised method for calculating the reporting threshold.

Table 22 – Manitoba	1994	1995
Total facilities	50	53
Total reports	142	151
Pollutants reported	37	39
On-site releases (tonnes)		
Air	2,926	1,744
Water	71	167
Underground	-	-
Land	893	976
Total	3,896	2,896
Off-site transfers in waste (tonnes)		
Treatment (1)	171	320
Disposal (2)	88	109
Total	259	429
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	609	1,106
Energy recovery	10	27
Total	619	1,133

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

Total releases were lower in 1995, by 1,000 tonnes. The major reductions were in releases of zinc and its compounds, of 550 tonnes and of lead and its compounds, of 470 tonnes.

Table 23 – New Brunswick	1994	1995
Total facilities	33	37
Total reports	90	109
Pollutants reported	30	38
On-site releases (tonnes)		
Air	2,208	1,507
Water	3,394	3,712
Underground	-	-
Land	194	103
Total	5,799	5,326
Off-site transfers in waste (tonnes)		
Treatment (1)	183	1,418
Disposal (2)	7,506	9,678
Total	7,689	11,096
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	192	222
Energy recovery	-	-
Total	192	222

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

The reduction in total releases can be attributed to reductions in releases of chlorine dioxide 340 tonnes and chlorine 430 tonnes. The majority of the reductions in reported releases occurred at the St. Anne – Nackawic Pulp Co. Ltd. Facility.

Environment Canada received a revised report for 1994 and 1995 from the New Brunswick Power Corp. for their Coleson Cove and Belledune generating stations. Off-site transfers in waste from these facilities have been revised from 7,664 tonnes to 12 tonnes in 1994 and 9,497 tonnes to zero in 1995. Off-site transfers to '3Rs' from these facilities have been revised from 192 tonnes to 10 tonnes in 1994 and 222 tonnes to 7 tonnes in 1995. New Brunswick Power Corp. also incorrectly reported off-site transfers of aluminum (fume or dust) and vanadium (fume or dust) during these years. This information arrived too late to be incorporated in the data analysis, but the revised information is available on the NPRI Internet site.

Table 24 – Newfoundland	1994	1995
Total facilities	6	6
Total reports	21	21
Pollutants reported	18	17
On-site releases (tonnes)		
Air	14	102
Water	-	-
Underground	-	-
Land	140	206
Total	155	308
Off-site transfers in waste (tonnes)		
Treatment (1)	-	-
Disposal (2)	-	-
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	24	-
Energy recovery	-	-
Total	24	-

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

Releases in Newfoundland were higher than in 1994 mainly because of an increase in the reported releases of ethylene glycol.

Environment Canada received a revised report for 1995 from North Atlantic Refining Ltd. Reported releases of ethylene glycol have increased from 102 tonnes to 308 tonnes. The revised numbers are the result of new estimation methodologies used by North Atlantic Refining rather than an actual increase in releases. This information arrived too late to be incorporated in the data analysis for this reports, but the revised information will be available on the Internet at the time of publication of the report.

Table 25 – Nova Scotia	1994	1995
Total facilities	29	33
Total reports	86	94
Pollutants reported	40	41
On-site releases (tonnes)		
Air	1,230	1,094
Water	1,045	186
Underground	-	-
Land	497	648
Total	2,773	1,929
Off-site transfers in waste (tonnes)		
Treatment (1)	2,667	143
Disposal (2)	127	61
Total	2,795	205
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	24	83
Energy recovery	14	-
Total	38	83

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

Overall releases were 844 tonnes lower in 1995 than in 1994 because, in large part, of a 772-tonne decrease in methanol releases in 1995. This difference results from lower releases at the Stora Forest Industries Ltd pulp mill in Port Hawkesbury.

Table 26 – Northwest Territories	1994	1995
Total facilities	6	6
Total reports	26	27
Pollutants reported	16	16
On-site releases (tonnes)		
Air	32	36
Water	1	13
Underground	3,800	3,600
Land	6	5
Total	3,841	3,654
Off-site transfers in waste (tonnes)		
Treatment (1)	-	-
Disposal (2)	-	-
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	-	-
Energy recovery	-	-

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

On-site releases decreased in 1995 mainly because of a reduction in underground releases of arsenic at the Giant Gold Mine in Yellowknife.

Table 27 – Ontario	1994	1995
Total facilities	890	871
Total reports	3,009	3,120
Pollutants reported	122	118
On-site releases (tonnes)		
Air	45,579	47,583
Water	4,468	7,365
Underground	-	-
Land	5,865	6,189
Total	57,043	61,253
Off-site transfers in waste (tonnes)		
Treatment (1)	12,384	12,978
Disposal (2)	10,270	20,094
Total	22,654	33,071
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	113,081	56,500
Energy recovery	1,471	1,659
Total	114,553	58,159

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

Releases in Ontario increased by 4,210 tonnes. The increase is approximately equal to the amount of hydrochloric acid reported by Ontario generating stations because of the change in reporting criteria. This does not constitute a true environmental increase but reflects only additional reporting by utilities, requirement which they did not have to comply to in 1994.

Another important increase in 1995, was that of ammonia (1,613 tonnes). This may be attributed to changes in the list where ammonia-containing pollutants were re-grouped under 'total ammonia'. There was also an increase of 1,463 tonnes of methanol from 1994 to 1995. Notable reductions were releases of toluene and xylene of 1,580 and 679 tonnes, respectively.

Table 28 – Prince Edward Island	1994	1995
Total facilities	3	3
Total reports	6	6
Pollutants reported	6	6
On-site releases (tonnes)		
Air	7	7
Water	37	36
Underground	-	-
Land	21	14
Total	65	57
Off-site transfers in waste (tonnes)		
Treatment (1)	-	-
Disposal (2)	-	<1
Total	-	<1
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	7	<1
Energy recovery	-	-
Total	7	<1

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

On-site releases decreased slightly in 1995, mainly because of a 6 tonne decrease in releases of ethylene glycol.

Table 29 – Quebec	1994	1995
Total facilities	359	387
Total reports	1,194	1,279
Pollutants reported	105	104
On-site releases (tonnes)		
Air	13,385	13,317
Water	22,021	5,889
Underground	-	-
Land	4,316	5,654
Total	39,765	24,898
Off-site transfers in waste (tonnes)		
Treatment (1)	10,426	6,312
Disposal (2)	2,618	2,419
Total	13,044	8,731
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	149,384	101,442
Energy recovery	3,333	626
Total	152,718	102,068

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

Releases to water have decreased by 16,132 tonnes while releases to air remain unchanged overall. Most of this reduction is because of reduced releases of sulphuric acid at one facility, Kronos Canada inc. in Varennes.

Although much smaller, there was a reduction in methanol of 1,480 tonnes from 1994 to 1995. Releases of zinc and its compounds were also lower by 900 tonnes.

Releases of hydrogen fluoride increased by 1,210 tonnes because of the 1995 change in reporting threshold for by-products; in 1994, this pollutant was not reportable. The aluminum industry originated most of these releases where 10 out of 11 these plants in Canada are located in Québec.

Releases of aluminum (fumes or dust) and manganese also increased by 1,183 tonnes and 675 tonnes, respectively.

Table 30 – Saskatchewan	1994	1995
Total facilities	43	42
Total reports	120	125
Pollutants reported	37	38
On-site releases (tonnes)		
Air	1,321	1,871
Water	12	71
Underground	58	100
Land	76	187
Total	1,580	2,231
Off-site transfers in waste (tonnes)		
Treatment (1)	40	28
Disposal (2)	419	461
Total	458	489
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	1,194	1,152
Energy recovery	-	-
Total	1,194	1,152

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

Reported releases have increased by 651 tonnes in Saskatchewan mainly because of an increase in releases of methanol of almost 500 tonnes.

Table 31 – Yukon Territory	1994	1995
Total facilities	-	1
Total reports	-	5
Pollutants reported	-	4
On-site releases (tonnes)		
Air	-	-
Water	-	1
Underground	-	-
Land	-	-
Total	-	1
Off-site transfers in waste (tonnes)		
Treatment (1)	-	-
Disposal (2)	-	-
Off-site transfers to '3Rs' and energy recovery (tonnes)		
Recovery, re-use and recycling	-	-
Energy recovery	-	-

1. Treatment includes physical treatment, chemical treatment, biological treatment and incineration.
2. Disposal includes landfill, storage, underground injection and land application.

The Anvil Range Mining Corporation in Faro, began operations in 1995 and was the only facility in the Yukon reporting to the NPRI.

Conclusion

Overall releases are lower by 10,658 tonnes or 6 percent for 1995 compared to 1994. This is due to a large decrease in releases to water of 21, 000 tonnes and small increases of 3,000 tonnes to air, 2,700 tonnes to underground injection and 1,700 tonnes to land.

New reports for 1995 mask some of the reductions that have been achieved. These new reports appear to be due in large part to the change in reporting criteria and are not true increases in releases but only increases in reported releases. While it is not possible to determine exactly the increase due to new reporting, it appears that at least 8,000 tonnes are newly reported for 1995.

Small changes in overall releases may mask important increases and decreases from individual facilities. These changes become apparent when comparing the list of the facilities with the largest releases by substance in the 1994 and the 1995 reports. The same can be done by using on-line query capability on the NPRI's web site. The data on the site have been updated for both 1994 and 1995.

It is apparent that changes to the NPRI pollutants' list and reporting thresholds are required to include other pollutants of concern such as micro-pollutants. As originally designed by the Multi-Stakeholder Advisory Committee, mandated to advise on the components of the NPRI, changes to the program will be subject to consultation with stakeholders.

Appendix 1 – List of reporting facilities[1]

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
3201	35	3M Canada Inc.	Perth	ON
3204	37	3M Canada Inc.	Morden	MB
3198	35	3M Canada Inc.	London	ON
3207	06	3M Canada Inc.	Havelock	ON
185	16	A-Z Sponge & Foam Products Ltd.	Delta	BC
4641	30	A & A Metal Cleaning & Stripping	Chatham	ON
2404	30	A.G. Simpson Co. Ltd.	Windsor	ON
4424	30	A.G. Simpson Co. Ltd.	Oakville	ON
3121	30	A.G. Simpson Co. Ltd.	Cambridge	ON
2640	30	A.G. Simpson Co. Ltd.	Scarborough	ON
3120	32	A.G. Simpson Co. Ltd.	Oshawa	ON
4205	29	A.H. Tallman Bronze Co. Ltd.	Burlington	ON
3266	35	A.P. Green Refractories (Canada) Ltd.	Smithville	ON
4458	35	A.P. Green Refractories (Canada) Ltd.	Weston	ON
113	17	A.R. Clarke Ltd.	Toronto	ON
4644	37	A.R. Monteith (77) Ltd.	Mississauga	ON
4482	15	A.W. Compounders Ltd.	Stoney Creek	ON
4702	30	ABB Coiltech	Smiths Falls	ON
987	27	Abitibi-Price inc.	Beaupré	QC
978	27	Abitibi-Price Inc.	Iroquois Falls	ON
981	27	Abitibi-Price Inc., Fort William Business Unit	Thunder Bay	ON
979	27	Abitibi-Price inc., Kénogami	Jonquière	QC
983	27	Abitibi-Price inc., Papeterie Alma	Alma	QC
2719	16	ABT Co.	Halton Hills (Acton)	ON
2546	30	Acadian Barrel Finishing	Rexdale	ON
2541	30	Acadian Platers Co. Ltd.	Rexdale	ON
87	16	Accuflex Industrial Hose Ltd.	Guelph	ON
3665	32	Accuride Canada Inc.	London	ON
4796	30	Aciers Canam (Les)	Saint-Gédéon	QC
3953	29	Aciers inoxydables Atlas	Tracy	QC
90	30	Acme Strapping	Scarborough	ON
4323	37	Acrylica inc.	Sainte-Marie	QC
3653	29	Acufil (Société en commandite)	Montreal	QC
4591	10	ADM Agri-Industries Ltd.	Lloydminster	AB
989	10	ADM / Ogilvie, Division of ADM Agri Industries Ltd.	Thunder Bay	ON
92	30	Advanced Monobloc	Penetanguishene	ON
4309	06	Afton Operating Corp.	Meridian	BC
1408	37	AgrEvo	Regina	SK
1175	37	Agrium Inc. – Joffre Nitrogen Operations	Red Deer	AB

(1) Names of facilities provided in the NPRI reports were edited for ease of search. For example, facility acronyms were spelled out and facility operators were inserted in front of the plant name or number. Facilities were also regrouped by type of operation, such as wastewater treatment plants, airports and generating stations.
(2) SIC code = Standard Industrial Classification code, established by Statistics Canada. These codes are those provided by the facilities.
(3) Refer to Appendix 5 for Industrial sector descriptions.

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
1177	06	Agrium Inc. – Potash Operations	Vanscoy	SK
4342	10	Agropur	Notre-Dame-du-Bon-Conseil	QC
4341	10	Agropur La fromagerie	Granby	QC
3503	37	Air liquide – Hamilton Oxyton	Hamilton	ON
4387	37	Air liquide – Usine d'acétylène	Vancouver	BC
3507	37	Air liquide – Usine d'acétylène	Edmonton	AB
3505	37	Air liquide – Usine d'acétylène	Varennes	QC
3511	37	Air liquide – Usine de gaz spéciaux	Bramalea	ON
3513	30	Air liquide – Usine d'électrodes	Montreal	QC
3515	30	Air liquide (Trefilerie et UMS) – Usine de matériel de soudage	Boucherville	QC
4724	37	Air Products Canada Ltd.	Calgary	AB
3391	37	Air Products Canada Ltd.	Nanticoke	ON
3830	45	Airport (International) Calgary – Air Canada	Calgary	AB
4457	45	Airport (International) Calgary – Canadian Airlines	Calgary	AB
1428	45	Airport (International) Calgary – Hudson General Aviation Services Inc.	Calgary	AB
1024	45	Airport (International) Charlottetown – Air Canada	Charlottetown	PE
3832	45	Airport (International) Edmonton – Air Canada	Edmonton	AB
4455	45	Airport (International) Edmonton – Canadian Airlines	Edmonton	AB
1018	45	Airport (International) Fredericton – Air Canada	Fredericton	NB
1014	45	Airport (International) Halifax – Air Canada	Halifax	NS
1423	45	Airport (International) Halifax – Hudson General Aviation Services Inc.	Elmsdale	NS
1008	45	Airport (International) Mirabel – Air Canada	Mirabel	QC
4456	45	Airport (International) Mirabel – Canadian Airlines	Mirabel	QC
1425	45	Airport (International) Mirabel – Hudson General Aviation Services Inc.	Mirabel	QC
1022	45	Airport (International) Moncton – Air Canada	Moncton	NB
1006	45	Airport (International) Ottawa – Air Canada	Gloucester	ON
1426	45	Airport (International) Ottawa – Hudson General Aviation Services Inc.	Gloucester	ON
1012	45	Airport (International) Quebec – Air Canada	Ste-Foy	QC
998	45	Airport (International) Regina – Air Canada	Regina	SK
1020	45	Airport (International) Saint John – Air Canada	Saint John	NB
3834	45	Airport (International) Saskatoon – Air Canada	Saskatoon	SK
1422	45	Airport (International) St. John's – Hudson General Aviation Services Inc.	St. John's	NF
3838	45	Airport (International) St. John's – Air Canada	St. John's	NF
1026	45	Airport (International) Toronto – Air Canada	Mississauga	ON
4451	45	Airport (International) Toronto – Canadian Airlines	Mississauga	ON
1427	45	Airport (International) Toronto – Hudson General Aviation Services Inc.	Mississauga	ON
992	45	Airport (International) Vancouver – Air Canada	Richmond	BC
4452	45	Airport (International) Vancouver – Canadian Airlines	Richmond	BC
1429	45	Airport (International) Vancouver – Hudson General Aviation Services Inc.	Richmond	BC

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
1002	45	Airport (International) Winnipeg – Air Canada	Winnipeg	MB
4453	45	Airport (International) Winnipeg – Canadian Airlines	Winnipeg	MB
1010	45	Airport Dorval – Air Canada	Dorval	QC
4454	45	Airport Dorval – Canadian Airlines	Dorval	QC
1424	45	Airport Dorval – Hudson General Aviation Services Inc.	Dorval	QC
1423	45	Airport Elmsdale – Hudson General Aviation Services Inc.	Elmsdale	NS
3836	45	Airport Thunder Bay – Air Canada	Thunder Bay	ON
3977	37	Akzo Nobel Chemicals Ltd.	Saskatoon	SK
4369	37	Akzo Nobel Coatings Ltd.	St-Jérome	QC
2599	11	Alberta Distillers Ltd.	Calgary	AB
3974	37	Alberta Envirofuels Inc.	Edmonton	AB
1028	27	Alberta Newsprint Co.	Whitecourt	AB
2365	10	Alberta Processing Co.	Calgary	AB
1042	37	Alberta Special Waste Treatment Centre	Swan Hills	AB
1048	37	Albright & Wilson Americas Ltd.	Varennes	QC
1054	37	Albright & Wilson Americas Ltd.	Port Maitland	ON
1051	37	Albright & Wilson Americas ltée Buckingham	Buckingham	QC
3365	30	Alcan – Cable Bracebridge Works	Bracebridge	ON
3406	29	Alcan – Usine Arvida	Jonquière	QC
3062	29	Alcan – Usine Grande-Baie	La Baie	QC
3054	29	Alcan – Usine Isle-Maligne	Alma	QC
4814	29	Alcan – Usine Lapointe	Jonquière	QC
3057	29	Alcan – Usine Shawinigan	Shawinigan	QC
2978	37	Alcan – Usine Vaudreuil	Jonquière	QC
4347	37	Alcan (General Chemical Canada Ltd.) – Valleyfield Plant	Valleyfield	QC
18	39	Alcan (Produits laminés Alcan) – Usine Saguenay	Jonquière	QC
4808	29	Alcan (Société d'électrolyse et de chimie) – Beauharnois	Melocheville	QC
3060	29	Alcan (Société d'électrolyse et de chimie) – Usine Laterrière	Laterrière	QC
4197	29	Alcan Aluminum Ltd. / Rolled Products Co. Kingston Works	Kingston	ON
1067	29	Alcan Recycling – Guelph Alloys Plant	Guelph	ON
2788	29	Alcan Smelters and Chemicals Ltd.	Kitimat	BC
962	33	Alcatel Canada Wire inc. – Hochelaga Plant	Montreal	QC
959	29	Alcatel Canada Wire inc. – Montreal Rod Mill	Montreal	QC
965	33	Alcatel Canada Wire inc. – Québec City Plant	Vanier	QC
956	33	Alcatel Canada Wire Inc. – Fergus Plant	Fergus	ON
105	37	Aldex Chemical Co. Ltd.	Granby	QC
4470	30	Alfit Manufacturing	Weston	ON
1070	29	Algoma Steel Inc.	Sault Ste. Marie	ON
3141	30	Algoods Inc.	Toronto	ON
1485	37	Allcolour Paint Ltd.	Oakville	ON
1088	32	Allied Signal Canada Inc.	Stratford	ON
3284	37	Alpha / Owens-Corning (Canada) Inc.	Guelph	ON
2407	37	Alpine Plant Foods Ltd.	New Hamburg	ON
1106	29	AltaSteel Ltd.	Edmonton	AB
109	30	Alumabrite Anodizing Ltd.	Hamilton	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4778	29	Aluminerie Alouette inc.	Sept-Iles	QC
1071	29	Aluminerie de Bécancour inc.	Bécancour	QC
4782	29	Aluminerie Lauralco. inc.	Deschambault	QC
2496	29	Amcan Castings Ltd.	Hamilton	ON
4148	07	Amoco Canada – Bigstone Sweet / Sour Plant	Fox Creek	AB
4140	07	Amoco Canada – East Crossfield Gas Plant	Crossfield	AB
4165	07	Amoco Canada – Edmonton Ethane Extraction Plant	Edmonton	AB
1091	07	Amoco Canada – Empress Gas Plant	Cypress	AB
4150	07	Amoco Canada – Kaybob South Gas Plant	Fox Creek	AB
4159	07	Amoco Canada – Nipisi Gas Plant	Peace River	AB
4144	07	Amoco Canada – North Caroline Plant	Sundre	AB
4161	07	Amoco Canada – Ricinus Gas Plant	Rocky Mountain House	AB
4155	07	Amoco Canada – Sarnia Fractionation Plant	Sarnia	ON
4146	07	Amoco Canada – South Caroline Plant	Sundre	AB
4157	07	Amoco Canada – Steelman Gas Plant	Estevan	SK
4142	07	Amoco Canada – Underground Storage Facilities	Fort Saskatchewan	AB
4152	07	Amoco Canada – West Pembina Gas Plant	Drayton Valley	AB
4138	07	Amoco Canada – West Whitecourt Plant	Whitecourt	AB
4136	07	Amoco Canada – Wolf Lake Plant	Bonnyville	AB
3564	37	Anachemia ltée	St-Pierre	QC
1260	37	Anachemia Solvents, Division of Fielding Chemicals Ltd.	Mississauga	ON
2511	29	Ancast Industries Ltd.	Winnipeg	MB
4602	30	Anchor Lamina Inc.	Windsor	ON
4601	30	Anchor Lamina Inc.	Windsor	ON
4604	30	Anchor Lamina Inc.	Mississauga	ON
4603	30	Anchor Lamina Inc.	Cambridge	ON
4725	30	Androck Co.	Watford	ON
4632	28	Annan & Sons Trade Lithographers	Toronto	ON
2767	30	Anti-Friction Enterprises (1985) Ltd.	Rexdale	ON
4832	06	Anvil Range Mining Corp.	Faro	YT
3219	29	Apel Extrusions Ltd.	Calgary	AB
4703	32	Apex Metals Inc.	Kitchener	ON
111	37	Apotex Inc. Corp.	Weston	ON
112	16	Architectural Ornament Inc.	Concord	ON
4471	28	Aries Flexographics Ltd.	Mississauga	ON
116	37	Armkem inc.	Drummondville	QC
1093	37	Armstrong Manufacturing Co.	Mississauga	ON
4431	16	Arrow Canada Ltd.	Leamington	ON
117	32	Arvin Ride Control Products	Toronto	ON
4493	16	Asbestos Building Supply Ltd.	Etobicoke	ON
120	37	Ashland Chemical Canada Inc., Resin & Chemical Division	Mississauga	ON
249	37	Ashland Chemical Canada Inc. / Drew Chemical Ltd.	Ajax	ON
1096	59	Ashland Chemical Canada Ltd.	Mississauga	ON
1099	59	Ashland Chemical Co.	Boucherville	QC
123	29	Associated Tube Industries	Markham	ON
4535	10	Astro Dairy	Etobicoke	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4624	39	AT Designs Ltd.	Scarborough	ON
1105	16	AT Plastics Inc.	Brampton	ON
126	37	AT Plastics Inc.	Edmonton	AB
125	27	Atlantic Packaging Products Ltd.	Whitby	ON
2405	25	Atlantic Pressure Treating Ltd.	Tracyville	NB
3158	29	Atlas Specialty Steels	Welland	ON
3147	77	Atomic Energy Canada Ltd.	Chalk River	ON
1109	37	Atotech Canada Ltd.	Oakville	ON
127	10	Ault Foods Ltd.	New Dundee	ON
1112	10	Ault Foods Ltd.	Don Mills	ON
1113	10	Ault Foods Ltd.	London	ON
3840	10	Ault Foods Ltd.	Winchester	ON
2510	30	Autotek Electroplating Inc.	Rexdale	ON
929	27	Avenor inc.	Gatineau	QC
927	27	Avenor Inc.	Gold River	BC
930	27	Avenor Inc.	Thunder Bay	ON
928	27	Avenor Inc.	Dryden	ON
1116	37	Avmor inc.	Montreal	QC
64	30	B&W Heat Treating (1975) Ltd.	Kitchener	ON
1842	37	B.C. Chemicals Ltd.	Prince George	BC
341	11	Bacardi-Martini Canada Inc.	Brampton	ON
2533	09	Baker Performance Chemicals	Calgary	AB
3095	37	Bakor inc.	St-Pierre	QC
3115	30	Ball Packaging Products Canada Inc.	Hamilton	ON
3116	30	Ball Packaging Products Canada Inc.	Whitby	ON
3117	30	Ball Packaging Products Canada Inc.	Burlington	ON
3118	30	Ball Packaging Products Canada Inc.	Richmond	BC
3119	30	Ball Packaging Products Canada Inc.	Baie-d'Urfé	QC
1117	15	Bandag inc.	Shawinigan	QC
1119	37	Banner Gelatin Products (Canada) Ltd.	Olds	AB
1566	06	Barick Golden Patricia Inc.	Patricia	ON
931	16	Baron Colour Concentrates Ltd.	Kitchener	ON
1122	16	Baron Colour Concentrates Ltd.	Delta	BC
879	06	Barrick Gold Corp. – Complexe Bousquet	Malartic	QC
1608	06	Barrick Gold Corp. – Mine Doyon (La)	Cadillac	QC
4483	37	Bartek Ingredients – Maleic Plant	Stoney Creek	ON
921	37	Bartek Ingredients – Maleic Plant	Stoney Creek	ON
25	37	BASF Canada Inc.	Brantford	ON
4726	37	BASF Canada Inc.	Abbotsford	BC
22	18	BASF Canada Inc.	Arnprior	ON
43	37	BASF Canada Inc.	Georgetown	ON
4727	37	BASF Canada Inc.	Regina	SK
37	37	BASF Canada Inc.	Sarnia	ON
31	37	BASF Canada Inc.	Windsor	ON
28	37	BASF Canada Inc.	Cornwall	ON
34	59	BASF Canada Inc.	Toronto	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4484	19	Bauer Industries Ltd.	Waterloo	ON
4708	18	Bay Mills Ltd., Bayex Division	St. Catharines	ON
918	18	Bay Mills Ltd., Brampton Division	Brampton	ON
1944	37	Bayer Rubber Inc.	Sarnia	ON
4460	10	Beatrice Foods Inc.	Niagara-on-the-Lake	ON
1845	10	Beatrice Foods Inc.	Brampton	ON
49	39	Beckwith-Bemis	Sherbrooke	QC
4332	26	Bédard, Division Shermag inc.	St-Étienne	QC
2670	29	Belden (Canada) Inc.	Cobourg	ON
1125	32	Bell Helicopter Textron Canada	Mirabel	QC
3114	37	Benjamin Moore & Co. Ltd.	Montreal	QC
3112	37	Benjamin Moore & Co. Ltd.	Toronto	ON
4472	29	Benn Iron Foundry Ltd.	Wallaceburg	ON
4461	37	Benson Chemicals Ltd.	Freelton	ON
52	37	Bétonel ltée	Terrebonne	QC
78	37	Betz inc.	Pointe-Claire	QC
79	37	Betz Inc.	Edmonton	AB
1127	06	BHP Minerals Canada Ltd. – Island Copper Mine	Port Hardy	BC
409	07	Bi-Provincial Upgrader	Lloydminster	SK
1916	33	BICC Phillips Ltd.	Brockville	ON
1913	33	BICC Phillips Ltd.	Vancouver	BC
1922	33	BICC Phillips ltée	St-Jérome	QC
1919	33	BICC Pyrotenax	Trenton	ON
3946	49	Biolab Equipment Canada Ltd.	Dorval	QC
3945	49	Biolab Equipment Canada Ltd.	Oakville	ON
3845	30	Blount Canada Ltd.	Guelph	ON
938	37	Boehme Filatex Canada inc.	St-Jean-sur-Richelieu	QC
21	29	Bolton Steel Tube Co. Ltd.	Bolton	ON
935	32	Bombardier inc.	Valcourt	QC
1136	32	Bombardier inc. – Canadair usine 1	St-Laurent	QC
1139	32	Bombardier inc. – Canadair usine 3	Dorval	QC
4351	16	Bombardier inc., Division Jet Boat	St-Antoine-de-Tilly	QC
57	32	Bombardier inc., Groupe matériel de transport	La Pocatière	QC
1189	32	Bombardier Inc. / de Havilland Inc.	Downsview	ON
135	16	Bonar Inc.	Burlington	ON
1489	16	Bonar Inc., Plastic Molding Division	Lindsay	ON
13	37	Borden Chemical Canada	Vancouver	BC
11	37	Borden Chemical Canada	Edmonton	AB
9	37	Borden Chemical Canada	North Bay	ON
7	37	Borden Chemical Canada	Laval	QC
4722	10	Borden Foods Canada	Montreal	QC
4097	37	Border Chemical Co. Ltd.	Winnipeg	MB
136	32	Borg-Warner Automotive (Canada) Ltd.	Simcoe	ON
4844	27	Bowater Mersey Paper Co. Ltd.	Brooklyn	NS
4466	32	Brake Pro Ltd., Heavy Duty Brake	Concord	ON
4473	49	Brampton Hydro Electric Commission	Brampton	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4463	30	Brass Craft Canada Ltd.	St. Thomas	ON
4557	37	Brent Canada Ltd.	Stoney Creek	ON
632	30	Brimac Anodizing (1985) Ltd.	Toronto	ON
3808	49	Ontario Hydro, Bruce Nuclear Power Development	Bruce	ON
4027	37	Brunswick Mining and Smelting Corp. – Brunswick Fertilizer	Belledune	NB
4024	29	Brunswick Mining and Smelting Corp. – Brunswick Smelting	Belledune	NB
4558	16	Budd Plastics Ltd.	Cobourg	ON
70	32	Bundy of Canada, a Division of John Crane Inc.	Bramalea	ON
3905	36	Burrard Products Terminal	Port Moody	BC
932	15	Burton Rubber Processing, Ltd.	Tillsonburg	ON
139	30	Butcher Engineering Enterprises Ltd. (The)	Brampton	ON
4774	30	Butcher Engineering Enterprises Ltd. (The)	Brampton	ON
2700	33	Cable Tech Co.	Stouffville	ON
773	33	Cables PTI Cables Inc.	Pointe-Claire	QC
2923	30	Cadorath Plating Co. Ltd.	Winnipeg	MB
144	31	CAE électronique ltée	St-Laurent	QC
508	37	Callaway Chemical Ltd.	Delta	BC
4596	26	Calstone Inc.	Scarborough	ON
2570	32	Cam-Slide Mfg. I	Newmarket	ON
4729	32	Cam-Slide Mfg. II	Aurora	ON
147	06	Cambior – Usine Yvan Vézina	Val-d'Or	QC
3498	33	CAMCO inc.	Montreal	QC
2750	33	CAMCO Inc.	Hamilton	ON
3657	06	Cameco Corp. – Blind River Refinery	Blind River	ON
4828	06	Cameco Corp. – Contact Lake Operation	Saskatoon	SK
1148	06	Cameco Corp. – Key Lake Operation	Saskatoon	SK
1145	06	Cameco Corp. – Port Hope Facility	Port Hope	ON
1147	06	Cameco Corp. – Rabbit Lake Operation	Saskatoon	SK
3358	30	Cametoid Ltd.	Whitby	ON
3480	32	Cami Automotive Inc.	Ingersoll	ON
2561	32	Camoplast inc., Division Roski I	Roxton Falls	QC
4783	32	Camoplast inc., Division Roski II	Roxton Falls	QC
2564	32	Camoplast inc., Division Roski III	Princeville	QC
4784	32	Camoplast inc., Division Roski IV	Grand-Mère	QC
4732	25	Canac Kitchens Ltd.	Thornhill	ON
151	29	Canada Alloy Castings	Kitchener	ON
635	35	Canada Brick, Burlington	Burlington	ON
637	35	Canada Brick, Ottawa	Gloucester	ON
634	35	Canada Brick, Streetsville	Mississauga	ON
156	59	Canada Colors and Chemicals Eastern	St-Laurent	QC
4467	59	Canada Colors and Chemicals Ltd.	Delta	BC
1154	59	Canada Colors and Chemicals Ltd.	Brampton	ON
1152	37	Canada Colors and Chemicals Ltd.	Colborne	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
158	29	Canada métal (est) ltée	St-Léonard	QC
642	29	Canada Metal Co. Ltd. (The)	Toronto	ON
4709	30	Canada Mold Technology Inc.	Woodstock	ON
4733	29	Canada Pipe Co. Ltd.	Hamilton	ON
643	37	Canada Square Resins	Toronto	ON
4443	39	Canadian Buttons Ltd.	Etobicoke	ON
4494	31	Canadian Curtis Refrigeration Inc.	Stoney Creek	ON
4640	37	Canadian Custom Packaging Co.	Toronto	ON
3821	37	Canadian Fertilizers Ltd.	Medicine Hat	AB
3128	37	Canadian Fine Color	Rexdale	ON
746	81	Canadian Forces Base – Goose Bay	Goose Bay	NF
744	81	Canadian Forces Base – Trenton	Astra	ON
3475	16	Canadian General-Tower Ltd.	Cambridge	ON
4476	97	Canadian Linen Supply Co. Ltd.	Etobicoke	ON
658	06	Canadian Salt Co. Ltd. (The)	Belle Plaine	SK
4399	27	Canadian Technical Tape	St-Laurent	QC
4400	27	Canadian Technical Tape	Cornwall	ON
2556	31	Canadian Timken Ltd. – St. Thomas Bearing Plant	St. Thomas	ON
4785	30	Canam Steel Works	Mississauga	ON
4468	10	CanAmera Foods	Fort Saskatchewan	AB
159	10	CanAmera Foods	Altona	MB
161	10	CanAmera Foods	Hamilton	ON
165	10	CanAmera Foods	Montreal	QC
163	10	CanAmera Foods	Nipawin	SK
169	10	CanAmera Foods	Wainwright	AB
167	10	CanAmera Foods	Toronto	ON
4829	10	Canbra Foods Ltd.	Lethbridge	AB
4571	37	Canbro inc.	Valleyfield	QC
4711	32	Cancore Manufacturing	Hamilton	ON
4533	39	CanMar Manufacturing Inc.	Niagara Falls	ON
4319	16	Canplast inc.	St-Léonard	QC
818	16	Canusa, a Division of Shaw Industries Ltd.	Chaffey	ON
664	30	Canvil	Simcoe	ON
4613	37	Capo Industries Ltd.	Burlington	ON
3818	30	Caradon Decor Doors, Division of Caradon Ltd.	Kelowna	BC
1482	30	Caradon Indalex	Pointe-Claire	QC
2737	30	Caradon Indalex	Mississauga	ON
3004	30	Caradon Peachtree Doors	Toronto	ON
3182	35	Carborundum Abrasives North America	Plattsville	ON
4480	49	Cardinal Power of Canada, L.P.	Cardinal	ON
479	27	Cariboo Pulp and Paper	Quesnel	BC
152	16	Carpenter Canada Ltd.	Calgary	AB
2567	16	Carpenter Canada Ltd.	Woodbridge	ON
4481	29	Carpenter Die Casting Co. Ltd.	Stoney Creek	ON
3269	37	Carseland Nitrogen Operations	Calgary	AB
3937	07	Carson Creek Cycling Plant	Whitecourt	AB

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
3140	27	Cartons St-Laurent inc.	La Tuque	QC
1872	27	Cascades – Papier Cascades Cabano inc.	Cabano	QC
3174	27	Cascades Cartech inc.	East Angus	QC
3875	27	Cascades East Angus	East Angus	QC
177	27	Casco Impregnated Papers Inc.	Cobourg	ON
2695	10	Casco Inc.	Port Colborne	ON
488	10	Casco Inc.	Cardinal	ON
4645	29	Cash Mould and Castings	London	ON
4730	30	Caspe Systems Co.	Pickering	ON
2410	36	Castrol Canada Inc.	Toronto	ON
4650	37	Catalyst Recovery Canada Ltd.	Medicine Hat	AB
4731	32	Catelectric Dip	Scarborough	ON
179	37	CCL Custom Manufacturing – Rexdale Plant # 1	Etobicoke	ON
181	37	CCL Custom Manufacturing – Rexdale Plant # 2	Etobicoke	ON
183	27	CDM Laminés inc.	Drummondville	QC
1168	37	Celanese Canada inc. – Drummondville	Drummondville	QC
1162	37	Celanese Canada Inc. – Edmonton Facility	Edmonton	AB
3793	18	Celanese Canada Inc. – Millhaven Plant	Ernestown	ON
1165	47	Celanese Canada Inc. – Weston Terminal	North York	ON
1169	33	Celestica Inc., a Subsiduary of IBM Canada Ltd.	North York	ON
672	99	Celgar Pulp Co.	Castlegar	BC
191	30	Centerline Ltd.	Windsor	ON
1742	06	Central Canada Potash Inc.	Colonsay	SK
4642	30	Central Wire Industries Ltd.	Perth	ON
4786	30	Centre de placage technique C.P. Tech inc.	St-Laurent	QC
675	30	Centrifugal Coaters Inc.	Oakville	ON
2938	29	CEZinc (zinc électrolytique du Canada ltée)	Salaberry-de-Valleyfield	QC
652	37	CFC / INX ltée	Laval	QC
4618	30	Chambers of Canada Ltd.	Mississauga	ON
192	37	Champion Technologies Ltd.	Calgary	AB
4635	10	Champlain Industries Co.	Cornwall	ON
679	37	Chembond Ltd.	Brampton	ON
1951	37	Chemfil Canada Ltd.	Windsor	ON
4712	16	Chemical Resins Canada	Toronto	ON
4339	37	Chemor inc.	Montreal	QC
1492	37	Chemprox chimie inc.	Bécancour	QC
2413	37	Chemrec inc.	Cowansville	QC
2776	36	Chevron Canada Ltd.	Burnaby	BC
698	07	Chevron Canada Resources – Fort Saskatchewan Plant	Fort Saskatchewan	AB
196	35	Chicago Vitreous (Canada) Ltd.	Ingersoll	ON
494	37	Chinook Group	Sombra	ON
4375	37	Christie Group Ltd.	St-Eustache	QC
4173	32	Chrysler Canada Ltd. – Bramalea Assembly Plant	Bramalea	ON
3478	32	Chrysler Canada Ltd. – Pillette Truck Assembly Plant	Windsor	ON
3476	32	Chrysler Canada Ltd. – Windsor Assembly Plant	Windsor	ON
1172	29	CHT Steel Co. Inc.	Richmond Hill	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4039	37	Cie chimique Huntsman du Canada inc.	Mansonville	QC
4485	39	Cinram Ltd.	Scarborough	ON
3123	33	Circo Craft Inc.	Pointe-Claire	QC
3124	33	Circo Craft Inc.	Granby	QC
3125	33	Circo Craft Inc.	Kirkland	QC
4486	33	Circtronics Ltd.	Nepean	ON
3426	37	Cloverdale Paint Inc.	Surrey	BC
3427	37	Cloverdale Paint Inc.	Edmonton	AB
3348	06	Cluff Mining	Saskatoon	SK
3026	29	Co-Ex-Tec Industries	Concord	ON
3824	29	Co-Steel Lasco	Whitby	ON
1585	06	Coal Valley Mine	Edson	AB
2545	30	Coatings 85 Ltd.	Mississauga	ON
4587	11	Coca-Cola – Embouteillage Coca-Cola ltée	Trois-Rivières	QC
4588	11	Coca-Cola – Embouteillage Coca-Cola ltée	Lachine	QC
4584	11	Coca-Cola Bottling Ltd.	Winnipeg	MB
4586	11	Coca-Cola Bottling Ltd.	Calgary	AB
4581	11	Coca-Cola Bottling Ltd.	Toronto	ON
4582	11	Coca-Cola Bottling Ltd.	Downsview	ON
4583	11	Coca-Cola Bottling Ltd.	Weston	ON
4585	11	Coca-Cola Bottling Ltd.	Richmond	BC
442	07	Cold Lake Heavy Oil Plants	Grand Centre	AB
4488	31	Coldmatic Refrigeration Ltd.	Concord	ON
4623	26	Cole Business Furniture	Scarborough	ON
502	37	Colgate Palmolive Edmonton Canada Inc.	Edmonton	AB
504	37	Colgate Palmolive Moncton Canada Inc.	Moncton	NB
506	37	Colgate Palmolive Montréal Canada inc.	St-Laurent	QC
500	37	Colgate Palmolive Toronto Canada Inc.	Toronto	ON
207	16	Colortech Inc.	Brampton	ON
4487	30	Columbia / MBF	Mississauga	ON
2660	37	Columbian Chemicals Canada Ltd.	Hamilton	ON
3747	06	Cominco Ltd. – Polaris Mine	Polaris	NT
3907	06	Cominco Ltd. – Sullivan Concentrator	Kimberley	BC
3802	06	Cominco Ltd. – Trail Operations	Trail	BC
209	37	Commercial Alcohols Inc.	Tiverton	ON
210	37	Commercial Alcohols Inc.	Brampton	ON
2548	06	Con Exploration Ltd. – Miramar Con Mine Ltd.	Yellowknife	NT
4734	19	Consoltex Inc.	Alexandria	ON
4048	36	Consumers' Co-operative Refineries Ltd. / Newgrade Energy Inc.	Regina	SK
514	35	Consumers Packaging Inc., Consumers Glass	Lavington	BC
520	35	Consumers Packaging Inc., Consumers Glass	Scoudouc	NB
517	35	Consumers Packaging Inc., Consumers Glass (Bramalea)	Brampton	ON
2266	37	Cook Composites and Polymers	Guelph	ON
4489	32	Cooper Automotive Products, Wagner Division	Stratford	ON
3438	37	Cornwall Chemicals Ltd.	Cornwall	ON
2752	27	Corp. Stone Consolidated, Division Belgo	Shawinigan	QC

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
530	32	Coulter Radiator	Calgary	AB
215	44	Court Galvanizing Ltd.	Guelph	ON
4169	29	Courtice Steel Inc.	Cambridge	ON
4391	16	CPF Dualam inc.	Montreal	QC
216	30	Cramco Technologies Inc.	Scarborough	ON
4490	30	Crane Valves	Brantford	ON
1185	27	Crestbrook Forest Industries, Pulp Division	Cranbrook	BC
4633	30	CRM Technology Ltd.	Ajax	ON
1266	27	Crofton Pulp and Paper	Crofton	BC
547	37	Crown Chemical Products Inc.	Mississauga	ON
3213	30	Crown Cork & Seal Canada Inc. – Plant 233	Concord	ON
3799	30	Crown Cork & Seal Canada Inc. – Plant 234	Montreal	QC
557	30	Crown Cork & Seal Canada Inc. – Plant 235	Calgary	AB
3216	30	Crown Cork & Seal Canada Inc. – Plant 244	Concord	ON
538	30	Crown Cork & Seal Canada Inc. – Plant 245	Weston	ON
3374	27	Crown Packaging Ltd., Paper Mill Division	Burnaby	BC
2969	16	Crown Plant	Midland	ON
4787	26	Cuisine Cabico inc.	Ayer's Cliff	QC
4491	31	Culligan Water Conditioning (Ont) Ltd.	London	ON
563	16	Curwood Packaging (Canada) Ltd.	Georgetown	ON
566	16	Custom Medallion Inc.	Mississauga	ON
4735	52	Custom Pharmaceuticals	Fort Erie	ON
3517	37	CXY Chemicals (formerly CanadianOxy)	Brandon	MB
3529	37	CXY Chemicals (formerly CanadianOxy)	North Vancouver	BC
3520	37	CXY Chemicals (formerly CanadianOxy)	Amherstburg	ON
3526	37	CXY Chemicals (formerly CanadianOxy)	Nanaimo	BC
3523	37	CXY Chemicals (formerly CanadianOxy)	Bruderheim	AB
3847	37	CYRO Canada Inc.	Niagara Falls	ON
222	37	CYTEC Canada Inc. – Welland Plant	Niagara Falls	ON
2550	36	D.A. Stuart Inc.	Scarborough	ON
3424	30	DAAM Galvanizing Inc.	Edmonton	AB
223	27	Daishow Marubeni, Peace River Pulp Division	Peace River	AB
4068	27	Daishowa inc.	Quebec	QC
4737	32	Dana Canada Inc. – Axle Plant	Barrie	ON
4504	30	Dana Canada Inc. – Weatherhead Plant	St. Thomas	ON
4715	32	Dana Canada Inc., Filter Division	Pickering	ON
3192	30	Dana Canada Inc., Filter Division	Cambridge	ON
376	30	Dana Canada Inc., Spicer Driveshaft Division	Thorold	ON
2869	06	David Bell Mine	Marathon	ON
227	35	Day Specialties Corp.	Midland	ON
574	15	Dayco	North York	ON
225	30	Daymond Aluminum	Chatham	ON
4520	55	DDM Plastics Inc.	Tillsonburg	ON
2687	32	DECO Automotive	Rexdale	ON
3850	29	Decor Products International	Midland	ON
1866	26	DeFehr Division	Winnipeg	MB

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4438	37	Degussa Catalyst Ltd.	Burlington	ON
4434	37	DEL Laboratories (Canada) Inc.	Barrie	ON
231	30	Delhi Industries Inc.	Delhi	ON
2722	30	Delhi Industries Inc.	Brantford	ON
3646	30	Delta Faucet Canada	London	ON
4343	37	Demilec inc.	Boisbriand	QC
4322	37	Denalt Paints Ltd.	St-Léonard	QC
4789	27	Desencrage Cascades, Division de Rolland inc.	Breakeyville	QC
1192	27	Desencrage CMD inc.	Cap-de-la-Madeleine	QC
4036	06	Detour Lake Mine	Timmins	ON
577	37	Dextran Products Ltd.	Scarborough	ON
588	37	Diachem Industries Ltd.	Squamish	BC
582	37	Diachem Industries Ltd.	Trois-Rivières	QC
585	37	Diachem Industries Ltd.	Richmond	BC
2421	37	Diagnostic Chemicals Ltd.	Charlottetown	PE
4492	33	Digital Equipment of Canada Ltd.	Kanata	ON
4841	33	Digital Products Ltd.	Saint John	NB
4384	37	Dilmont inc.	Mont-Royal	QC
238	30	Dimplex North America Ltd.	Cambridge	ON
4713	30	Dimplex North America Ltd.	Brantford	ON
4714	55	Distex Industries Inc.	Milton	ON
447	11	Distillateurs Unis du Canada inc. (Les)	Valleyfield	QC
4459	30	Divacco	Mississauga	ON
603	37	Diversey Inc.	Dartmouth	NS
597	37	Diversey Lever Canada	New Westminster	BC
591	37	Diversey Lever Canada	Mississauga	ON
4450	37	Diversey Lever Canada	Edmonton	AB
594	37	Diversey Lever Canada	Candiac	QC
600	37	Diversey Lever Canada	Winnipeg	MB
276	30	DNN Galvanizing Corp.	Windsor	ON
3713	29	Dofasco Inc.	Hamilton	ON
2420	39	Domco ltée (Les Industries)	Farnham	QC
4338	29	Domfer poudres métalliques ltée	Lasalle	QC
2601	16	Domfoam International Inc.	St-Léonard	QC
4739	29	Dominion Castings Ltd.	Hamilton	ON
1497	37	Dominion Colour Corp	Toronto	ON
1495	37	Dominion Colour Corp.	Ajax	ON
1195	27	Domtar – Papiers Domtar	Windsor	QC
1199	25	Domtar Decorative Panels	Huntsville	ON
2785	27	Domtar inc., Division papiers fins	Beauharnois	QC
239	27	Domtar Packaging	Trenton	ON
3013	27	Domtar Packaging – Red Rock Mill	Red Rock	ON
1197	27	Domtar Specialty Fine Papers	Cornwall	ON
4495	33	Domtech Holdings Inc.	Trenton	ON
621	25	Donald Station Saw Mill – Evans Forest Products	Golden	BC
4788	05	Donohue Matane (1993) inc.	Matane	QC

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
1433	32	Doorhandle Systems	Brampton	ON
245	27	Dopaco Canada Inc.	Brampton	ON
4396	37	Dorset Industrial Chemicals Ltd.	Chateauguay	QC
2576	32	Dortec Industries	Newmarket	ON
4736	10	Dover Flour Mills	Cambridge	ON
2602	30	DoverCourt Electro Plating Co. Ltd.	Toronto	ON
281	16	Dow Chemical Canada inc.	Varennes	QC
282	16	Dow Chemical Canada Inc.	Weston	ON
3146	37	Dow Chemical Canada Inc.	Sarnia	ON
4646	37	Dow Chemical Canada Inc. – West Coast Distribution Centre	North Vancouver	BC
280	37	Dow Chemical Canada Inc. – Western Canada Operations	Fort Saskatchewan	AB
3951	32	Downsview Stampings	Concord	ON
2760	25	Drayton Valley O.S.B. Mill	Drayton Valley	AB
2428	27	Duha Color Services – Gimli Plant	Gimli	MB
2430	27	Duha Color Services – Selkirk Plant	Selkirk	MB
2426	27	Duha Color Services – Winnipeg Plant	Winnipeg	MB
2149	30	Duo-fast Industries Canada Inc.	Montreal	QC
284	37	Duochem inc.	Boucherville	QC
286	37	DuPont Canada Inc, Ajax Finishes Division	Ajax	ON
250	37	DuPont Canada Inc. – Gibbons Site	Gibbons	AB
3422	18	DuPont Canada Inc. – Kingston Site	Kingston	ON
1207	37	DuPont Canada Inc. – Maitland Site	Augusta	ON
1205	37	DuPont Canada Inc. – St. Clair River Site	Corunna	ON
4598	30	Dura-Chrome Ltd.	Wallaceburg	ON
3122	15	Dura Undercushions Ltd.	Mount-Royal	QC
4496	15	Durabla Canada	Belleville	ON
4631	33	Duracell Canada Inc.	Mississauga	ON
252	37	Dural, Division Multibond	Dorval	QC
253	37	Duro-Kote ltée	Laval	QC
254	37	Duro-Lak inc.	Laval	QC
255	37	Dussek Campbell Ltd.	Belleville	ON
256	37	Dustbane Products Ltd., Chemical Division	Ottawa	ON
259	37	Dutch Chemicals Inc.	Weston	ON
2932	16	Dynaflex , Division of Woodbridge Foam Corp.	Cobourg	ON
3090	33	Dynamic & Proto Circuits Inc.	Stoney Creek	ON
2791	37	Dyno Nobel ltée – Mont-Wright	Fermont	QC
671	16	Dynoplast Ltd.	Saint John	NB
1980	27	E.B. Eddy Forest Products Ltd.	Ottawa	ON
3185	27	E.B. Eddy Forest Products Ltd.	Espanola	ON
4630	33	Eagle Electric of Canada Ltd.	Toronto	ON
666	17	Eagle Ottawa Canada Ltd.	Acton	ON
308	37	Eaglebrook Québec ltée (L'environnement)	Varennes	QC
4836	16	East Coast Converters Ltd.	Mount Pearl	NF
4497	37	Eastman Chemical Canada Inc.	Toronto	ON
3177	32	Eaton Yale Ltd., AutoControls Division	St. Thomas	ON
3149	32	Eaton Yale Ltd., Suspension Division	Chatham	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
3152	32	Eaton Yale Ltd., Suspension Division	Wallaceburg	ON
1508	06	Echo Bay Mines Ltd. – Lupin Gold Mine (Mill)	Contwoyto Lake	NT
264	37	Ecolab Ltd. – Nuvik Plant	Mississauga	ON
4698	32	EDO Canada Ltd.	Calgary	AB
2762	25	Edson O.S.B. Mill	Edson	AB
4498	26	Egan Visual Inc.	Woodbridge	ON
299	37	Eka Nobel Canada Inc.	Toronto	ON
302	37	Eka Nobel Canada inc.	Magog	QC
3382	37	Eka Nobel Canada inc.	Valleyfield	QC
4560	39	Electrical Contacts Ltd.	Hanover	ON
4363	30	Electro finition	Lasalle	QC
4575	37	Emballages Knowlton inc. (Les)	Lac Brome	QC
2981	28	Emballages Somerville	Montreal	QC
271	27	Emballages Stone (Canada) inc., Division Pontiac	Portage-du-Fort	QC
311	37	Endura Manufacturing Co. Ltd.	Edmonton	AB
2698	30	Enduro-Niagara, Ltd.	Lincoln (Beamsville)	ON
4721	37	Enerchem International Inc.	Nisku	AB
274	59	Energetic Metals Inc.	Stevensville (Fort Erie)	ON
316	37	Enthone-Omi (Canada) Inc.	Concord	ON
606	29	Esco Ltd.	Port Coquitlam	BC
315	29	Esco Ltd.	Port Hope	ON
1269	29	Essex Aluminum Plant	Windsor	ON
3886	32	Essex Engine Plant	Windsor	ON
3273	37	Essex Specialty Products Inc.	London	ON
3541	35	ESSROC Canada Inc. – Picton Works	Picton	ON
2734	37	Ethyl Canada Inc.	Corunna	ON
319	37	ETI Explosives – Nipissing Site	North Bay	ON
199	29	Etobicoke Casting Plant	Toronto	ON
612	32	Euclid-Hitachi Heavy Equipment Ltd.	Guelph	ON
3171	27	Eurocan Pulp & Paper Co.	Kitimat	BC
618	25	Evans Forest Products, Plywood Division	Golden	BC
321	28	Exact Printing Plate Ltd.	Scarborough	ON
3282	29	Exal Aluminum Inc.	Pickering	ON
4469	33	Exide Canada Inc.	Maple	ON
4042	33	Exide Canada inc.	Drummondville	QC
4537	32	F & P Manufacturing Inc.	Tottenham	ON
4790	27	F.F. Soucy inc.	Rivière-du-Loup	QC
4637	32	Fabricated Steel Products Inc.	Windsor	ON
4499	31	Fag Bearings Ltd.	Stratford	ON
1236	29	Falconbridge Ltd. – Smelter Complex	Falconbridge	ON
4825	16	Faroex Ltd.	Gimli	MB
2423	27	Fasson Canada Inc.	Ajax	ON
330	37	Ferox inc. / Laques International Inc.	Anjou	QC
4324	37	Fibre de verre moderne	Tring Junction	QC
1257	27	Fibreco Pulp Joint Venture	Taylor	BC

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4405	32	Fibrex fibre de verre inc.	Terrebonne	QC
1263	16	Filpac inc.	Terrebonne	QC
4811	49	Filtration Plant – Chomedey	Laval	QC
3921	41	Filtration Plant – F.J. Horgan	Scarborough	ON
4815	49	Filtration Plant – Pierrefonds	Pierrefonds	QC
3923	41	Filtration Plant – R. C. Harris	Toronto	ON
3919	41	Filtration Plant – R. L. Clark	Etobicoke	ON
4502	33	Fineline Circuits Ltd.	Scarborough	ON
4515	30	Fisher Controls Inc.	Woodstock	ON
4608	29	Fisher Gauge Ltd.	Peterborough	ON
2744	29	Fisher Gauge Ltd.	Peterborough	ON
4842	25	Flakeboard Co. Ltd.	St.Stephen	NB
333	27	Fletcher Challenge Canada Ltd. – Elk Falls Mill	Campbell River	BC
3890	39	Flextile Ltd.	Etobicoke	ON
3559	37	Flint Ink Corp. of Canada	Downsview	ON
711	37	Flint Ink Corp. of Canada	Concord	ON
3272	37	FMC of Canada Ltd.	Prince George	BC
2422	16	Foamex Canada Inc.	Toronto	ON
188	35	Fonderie générale du Canada	Lachine	QC
4330	29	Fonderie Laperle	Saint-Ours	QC
4577	29	Fonderie St-Romuald inc.	St-Romuald	QC
4331	29	Fonderies Bibby Ste-Croix inc.	Ste-Croix	QC
4371	31	Fonderie canadiennes d'acier ltée	Montreal	QC
4407	16	Forbo Industries inc.	Lasalle	QC
3279	32	Ford Electronics	Markham	ON
4416	29	Ford International Ensite Inc. – Windsor Aluminum Plant	Windsor	ON
4781	32	Ford International Ensite Inc. – Windsor Engine Plant	Windsor	ON
3419	32	Ford Motor Co. Canada Ltd. – Oakville Assembly Plant	Oakville	ON
3883	32	Ford Motor Co. Ltd. – St. Thomas Assembly Plant	St. Thomas	ON
3416	29	Ford Motor Co. Ltd. – Windsor Casting Plant	Windsor	ON
3630	63	Ford Motor Co. Ltd. – Windsor Engine Plant #1	Windsor	ON
1215	32	Ford Motor Co. Ltd., Ontario Truck	Oakville	ON
4797	30	Forges de Sorel inc. (Les)	St-Joseph-de-Sorel	QC
4378	27	Formica Canada inc.	Saint-Jean-sur-Richelieu	QC
4740	32	Formulated Coatings	Brampton	ON
4599	36	Forsythe Lubrication Associates Ltd.	Hamilton	ON
4465	28	FPC Flexible Packaging Corp.	Scarborough	ON
1659	32	Frank Fair Industries Ltd.	Winnipeg	MB
1221	27	Fraser Inc.	Edmundston	NB
4741	27	Fraser Paper Inc. – Thorold Mill	Thorold	ON
1224	32	Freightliner of Canada Ltd.	St. Thomas	ON
1227	30	Frost Wire Products Ltd.	Hamilton	ON
2528	36	Fuchs Lubricants Canada Ltd.	Langley	BC
4626	99	Fused Metals Inc.	Georgetown	ON
2451	37	G.E. Plastics Canada	Cobourg	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4444	37	G.F. Thompson Co. Ltd.	Newmarket	ON
4401	37	G.H. Chemicals Ltd.	St-Hyacinthe	QC
4576	30	Galvan Metal Inc.	St-Léonard	QC
4406	30	Galvano Division Ifastgroupe	Beloeil	QC
4500	29	Gamma Foundries Ltd.	Richmond Hill	ON
686	07	Gas Plant – Acheson (Sour Gas)	Spruce Grove	AB
1902	07	Gas Plant – Balzac	Balzac	AB
680	07	Gas Plant – Bigoray (Sour Gas)	Drayton Valley	AB
4823	07	Gas Plant – Conwest Sexsmith	Sexsmith	AB
3933	07	Gas Plant – East Rainbow	Rainbow Lake	AB
436	07	Gas Plant – Everdell	Rocky Mountain House	AB
3941	07	Gas Plant – Harmattan	Olds	AB
683	07	Gas Plant – Kaybob South #3	Fox Creek	AB
430	07	Gas Plant – Leduc	Devon	AB
3939	07	Gas Plant – Lone Pine Creek	Wimborne	AB
692	07	Gas Plant – Medicine Lodge (Sour Gas)	Edson	AB
695	07	Gas Plant – Mitsue	Slave Lake	AB
1751	07	Gas Plant – Norcen Knopcik	Hythe	AB
1755	07	Gas Plant – Norcen Progress	Gordondale	AB
405	36	Gas Plant – Prince George Refinery	Prince George	BC
426	07	Gas Plant – Quirk Creek	Millarville	AB
407	07	Gas Plant – Ram River	Rocky Mountain House	AB
438	07	Gas Plant – Redwater	Redwater	AB
2781	07	Gas Plant – Shell Burnt Timber	Didsbury	AB
3935	07	Gas Plant – Sierra	Rainbow Lake	BC
432	07	Gas Plant – Wapiti	Grande Prairie	AB
689	07	Gas Plant – West Pembina (Sour Gas)	Drayton Valley	AB
3931	07	Gas Plant – Wimborne	Wimborne	AB
424	07	Gas Plant – Bonnie Glen	Thorsby	AB
1411	07	Gas Plant (Anderson Exploration Ltd.) – Carstairs	Carstairs	AB
106	07	Gas Plant (Anderson Exploration Ltd.) – Dunvegan Gas Unit #1	Fairview	AB
1074	07	Gas Plant (Canadian 88 Energy) – Olds	Olds	AB
536	07	Gas Plant (Crestar Energy) – Wembley	Wembley	AB
1881	36	Gas Plant (Parkland Refining Ltd.) – Bowden Refinery	Bowden	AB
1888	07	Gas Plant (Pembina Resources Ltd.) – Diamond Valley	Turner Valley	AB
1753	07	Gas Plant (Penn West Minnehik) – Buck Lake	Buck Lake	AB
3071	36	Gas Plant (Sunoco Inc.) – Sarnia Refinery	Sarnia	ON
4340	27	Gaspésia ltée (La cie)	Chandler	QC
3877	15	Gates Canada – Belt Manufacturing	Brantford	ON
3880	15	Gates Canada – Hose Manufacturing	Brantford	ON
4423	10	Gaylea Foods	Guelph	ON
1143	06	Géant Dormant	Glandelet et Chaste	QC
351	15	Gencorp Vehicle Sealing	Welland	ON
1290	37	General Chemical Canada Ltd.	Amherstburg	ON
344	37	General Chemical Canada Ltd.	Thorold	ON
1287	33	General Electric Canada	Peterborough	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
1281	33	General Electric Lighting Canada – Oakville Lamp Plant	Oakville	ON
3254	32	General Electric moteurs d'avions	Bromont	QC
1292	37	General Electric Silicones Canada	Pickering	ON
3388	39	General Latex Canada Inc.	Brampton	ON
3221	33	General Motors of Canada Ltd. – Autoplex Battery Plant	Oshawa	ON
3893	32	General Motors of Canada Ltd. – Autoplex Car Plant	Oshawa	ON
3870	32	General Motors of Canada Ltd. – Autoplex Truck Plant	Oshawa	ON
3764	32	General Motors of Canada Ltd. – Fabrication Plant	Oshawa	ON
3895	32	General Motors of Canada Ltd. – Ste-Thérèse Plant	Boisbriand	QC
3766	32	General Motors of Canada Ltd., London Diesel	London	ON
4448	32	General Motors of Canada Ltd., South Stamping	Oshawa	ON
3227	32	General Motors of Canada Ltd., St. Catharines Components	St. Catharines	ON
3223	32	General Motors of Canada Ltd., St. Catharines Engine	St. Catharines	ON
3231	32	General Motors of Canada Ltd., St. Catharines Engine-Glen	St. Catharines	ON
3621	32	General Motors of Canada Ltd., St. Catharines Foundry	St. Catharines	ON
3229	32	General Motors of Canada Ltd., Windsor Transmission	Windsor	ON
4501	31	General Refrigeration	Mississauga	ON
3768	59	General Scrap and Car Shredder Ltd.	Winnipeg	MB
3240	49	Generating Plant – Burrard (Thermal)	Port Moody	BC
2286	49	Generating Plant – Keephills (Thermal)	Duffield	AB
2284	49	Generating Plant – Sundance (Thermal)	Duffield	AB
2282	49	Generating Plant – Wabamun (Thermal)	Wabamun	AB
3238	49	Generating Station – Atikokan	Atikokan	ON
821	49	Generating Station – Brandon	Brandon	MB
269	41	Generating Station – Clover Bar (Thermal)	Edmonton	AB
1773	49	Generating Station – Cochrane	Cochrane	ON
267	41	Generating Station – Genesee (Thermal)	Warburg	AB
1770	49	Generating Station – Kirkland Lake	Kirkland Lake	ON
1861	41	Generating Station – Nanticoke	Nanticoke	ON
4563	41	Generating Station – Rossdale (Thermal)	Edmonton	AB
823	49	Generating Station – Selkirk	Selkirk	MB
1033	49	Generating Station (AB Power) – Battle River	Forestburg	AB
1039	49	Generating Station (AB Power) – H.R. Milner	Grande Cache	AB
1036	49	Generating Station (AB Power) – Sheerness	Hanna	AB
1698	41	Generating Station (NB Power Corp.) – Belledune (Thermal)	Belledune	NB
1696	41	Generating Station (NB Power Corp.) – Coleson Cove	Saint John	NB
1706	49	Generating Station (NB Power Corp.) – Courtenay Bay	Saint John	NB
1712	49	Generating Station (NB Power Corp.) – Dalhousie	Dalhousie	NB
1708	49	Generating Station (NB Power Corp.) – Grand Lake	Minto	NB
1710	49	Generating Station (NB Power Corp.) – Point Lepreau	Lepreau	NB
3992	41	Generating Station (NS Power Inc.) – Lingan	New Waterford	NS
4000	41	Generating Station (NS Power Inc.) – Point Aconi	Point Aconi	NS
3994	41	Generating Station (NS Power Inc.) – Point Tupper	Port Hawkesbury	NS
3996	41	Generating Station (NS Power Inc.) – Trenton	Trenton	NS
3998	41	Generating Station (NS Power Inc.) – Tufts Cove	Dartmouth	NS
2844	41	Generating Station (Ontario Hydro) – Lakeview	Mississauga	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
1809	41	Generating Station (Ontario Hydro) – Lambton	Courtright	ON
1812	49	Generating Station (Ontario Hydro) – Lennox	Bath	ON
3048	49	Generating Station (Ontario Hydro) – Thunder Bay	Thunder Bay	ON
4398	17	Genfoot inc.	St-Laurent	QC
354	33	Gennum Corp.	Burlington	ON
1300	37	Geon Canada Niagara	Thorold	ON
355	37	Geon Scotford Plant	Fort Saskatchewan	AB
1651	29	Gerdau MRM Steel Inc.	Selkirk	MB
1303	06	Gibraltar Mines Ltd.	McLeese Lake	BC
4742	31	Gladwin International (Canada)	Ayr	ON
4791	27	Glassine Canada Inc.	Quebec	QC
4344	37	Glaxo Wellcome Inc.	Kirkland	QC
358	16	Glopak inc.	Montreal	QC
2710	06	Goldcorp Inc.	Balmertown	ON
359	25	Goodfellow inc.	St-André	QC
360	25	Goodfellow inc.	Delson	QC
1325	15	Goodyear Canada inc.	Quebec	QC
1307	15	Goodyear Canada inc.	Salaberry-de-Valleyfield	QC
1322	15	Goodyear Canada Inc.	Napanee	ON
1310	15	Goodyear Canada Inc.	Owen Sound	ON
1319	15	Goodyear Canada Inc.	Bowmanville	ON
2998	15	Goodyear Canada Inc.	Medicine Hat	AB
1313	15	Goodyear Canada Inc.	Collingwood	ON
1316	15	Goodyear Canada Inc., Goodyear Canada OTR Centre	North Bay	ON
1356	37	Grace Dearborn Inc.	Fort Saskatchewan	AB
1328	37	Grace Dearborn Inc.	Mississauga	ON
361	16	Graham Products Ltd.	Inglewood	ON
4559	25	Grant Forest Products Corp.	Englehart	ON
369	28	Graphic Packaging Canada Corp.	Winnipeg	MB
371	28	Graphic Packaging Canada Corp.	Richmond	BC
4311	28	Graphic Packaging Canada Corp.	Mississauga	ON
1344	29	Griffin Canada Inc.	Winnipeg	MB
373	37	Groulx-Robertson ltée	Pointe-Claire	QC
3248	09	Ground Control Ltd.	Sudbury	ON
4793	10	Groupe Lactel	Chambord	QC
4792	10	Groupe Lactel	Beauceville	QC
2666	30	GSW Heating Products Co.	Hamilton	ON
2409	33	GSW Water Heating Co.	Fergus	ON
2531	37	Guardian Chemicals	Fort Saskatchewan	AB
4023	42	Guardian Industries Canada Corp.	Rexdale	ON
1357	32	Guelph Products Textron	Guelph	ON
2560	25	Guelph Utility Pole	Guelph	ON
2454	37	Guertin Bros. Coatings & Sealants Ltd.	Winnipeg	MB
1362	07	Gulf – Brazeau Gas Plant	Drayton Valley	AB
1364	07	Gulf – Gilby Gas Plant	Eckville	AB
1368	07	Gulf – Morrin Ghost Pine Gas Plant	Morrin	AB

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
1360	47	Gulf – Nisku Distribution Centre	Nisku	AB
1370	07	Gulf – Nordegg River Gas Plant	Rocky Mountain House	AB
1372	07	Gulf – Rimbey Gas Plant	Rimbey	AB
1374	07	Gulf – Strachan Gas Plant	Rocky Mountain House	AB
4531	30	H & S Heat Treating	Port Robinson	ON
380	37	H. B. Fuller Canada Inc.	Mississauga	ON
1407	37	H.L. Blachford Ltd.	Mississauga	ON
1378	30	Hager Hinge Canada Ltd.	Kitchener	ON
374	37	Halltech Inc.	Scarborough	ON
4376	35	Harbison-Walker Refractories / Global-Gix Canada Inc.	Grenville	QC
375	30	Harbour industries (Canada) ltée	Farnham	QC
1383	27	Harmac Pacific Inc.	Nanaimo	BC
4738	32	Hastech Inc.	Guelph	ON
2408	29	Hastings Brass Foundry Ltd.	Vancouver	BC
4507	32	Hawker Siddeley Canada Inc., Orenda Division	Mississauga	ON
4313	35	Heckett MultiServ Canada Division – Plant 10	Sydney	NS
1391	35	Heckett MultiServ Canada Division – Plant 14	Hamilton	ON
1394	35	Heckett MultiServ Canada Division – Plant 17	Nanticoke	ON
1397	35	Heckett MultiServ Canada Division – Plant 48	Contrecoeur	QC
1388	35	Heckett MultiServ Canada Division – Plant 8	Hamilton	ON
4314	29	Heckett Technology Services Canada Inc. – Plant 31	Nanticoke	ON
383	37	Helmitin Canada Inc.	Etobicoke	ON
1400	06	Hemlo Gold Mines Inc. – Golden Giant Mine	Marathon	ON
4717	29	Henderson Barwick Inc.	Brockville	ON
3778	32	Hendrickson Spring	Stratford	ON
384	37	Henkel Canada Ltd.	Toronto	ON
1401	37	Henkel Canada Ltd., Parker AmChem	Rexdale	ON
3643	37	Hercules Canada Inc.	Burlington	ON
2966	16	Heritage Plant	Midland	ON
389	39	Heritage Silversmiths Inc.	Perth	ON
4509	30	Heron Cable Industries Ltd.	Waterloo	ON
390	32	Héroux inc.	Longueuil	QC
4302	19	Herzog Rope Ltd.	Richmond	BC
3356	06	Highland Valley Copper	Logan Lake	BC
1414	25	Hilan Wood Preservers	Kemptville	ON
4716	30	Hobart Brothers of Canada Ltd.	Woodstock	ON
1417	02	Hoffmann-La Roche Ltd.	Ayr	ON
1418	02	Hoffmann-La Roche Ltd.	Calgary	AB
108	06	Holt-Mcdermott Mine	Holloway Township	ON
4374	37	Homasco (Houle et Masse inc.)	St-Hubert	QC
393	37	Home Hardware, Paint & Chemical Division	Burford	ON
394	06	Homestake Canada Inc. – Nickel Plate Mine	Above Hedley	BC
397	32	Honda of Canada Mfg.	Alliston	ON
4510	30	Horton CBI Ltd.	Fort Erie	ON
4511	10	Hostess Frito-Lay	Cambridge	ON
4649	37	Hostmann-Steinberg Ltd.	Brampton	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
1419	27	Howe Sound Pulp and Paper Ltd.	Port Mellon	BC
400	27	Howell Packaging Ltd.	Burlington	ON
3414	29	Hudson Bay Mining and Smelting Co. Ltd. – Metallurgical Complex	Flin Flon	MB
3412	06	Hudson Bay Mining and Smelting Co. Ltd. – Ruttan Mill	Leaf Rapids	MB
3411	06	Hudson Bay Mining and Smelting Co. Ltd. – Snow Lake Mill	Snow Lake	MB
3433	37	Huls Canada – Brampton	Brampton	ON
3430	37	Huls Canada – Leaside	Toronto	ON
2238	41	Humber Treatment Plant	Toronto	ON
1436	37	Huntsman Corp.	Guelph	ON
403	36	Husky Lloydminster Heavy Oil Refinery	Lloydminster	AB
1439	07	Husky Oil Rainbow Lake Processing Plant	Rainbow Lake	AB
1458	37	I.C.I. Paints (Canada) Inc.	Concord	ON
2773	37	I.C.I. Peintures (Canada) inc.	Boucherville	QC
1447	33	IBM Canada ltée	Bromont	QC
420	37	ICI Canada inc.	McMasterville	QC
1449	37	ICI Canada Inc. – Dalhousie Works	Dalhousie	NB
2852	37	ICI Explosifs Canada	Brownsburg	QC
2857	37	ICI Explosives – Carseland Works	Carseland	AB
3436	37	ICI Forest Products – Cornwall Works	Cornwall	ON
2855	37	ICI Secteur forestier	Bécancour	QC
421	16	ICL Engineering Ltd.	Richmond	BC
1461	32	ICM / Krebsoge Canada Inc.	St. Thomas	ON
422	16	Icynene Inc. – Processing Plant	Mississauga	ON
4364	30	Ideal Security inc. (La cie)	Lasalle	QC
4365	30	Ideal Security inc. (La cie)	Lasalle	QC
449	30	Ifastgroupe inc., Infasco Division	Marieville	QC
4377	37	ILCO Unican Cap. Division	Montreal	QC
4606	33	Ilsco of Canada Ltd.	Mississauga	ON
1510	06	IMC Kalium – K1 Plant	Esterhazy	SK
1513	06	IMC Kalium – K2 Plant	Esterhazy	SK
4099	06	IMC Kalium Belle Plaine	Belle Plaine	SK
4840	30	IMP Aerospace Components Ltd.	Amherst	NS
3698	36	Imperial Oil – Dartmouth Refinery	Dartmouth	NS
3710	36	Imperial Oil – Ioco Refinery	Port Moody	BC
3701	36	Imperial Oil – Nanticoke Refinery	Jarvis	ON
3704	36	Imperial Oil – Sarnia Refinery	Sarnia	ON
3707	36	Imperial Oil – Strathcona Refinery	Edmonton	AB
1464	37	Imperial Oil, Chemical Division	Sarnia	ON
3441	28	Imprimerie Québecor	Montreal	QC
4744	28	Imprimerie Québecor Graphique-Couleur	Laval	QC
4745	28	Imprimerie Québecor l'Éclaireur	Beauceville	QC
4643	28	Imprimerie Ross-Ellis inc.	Montreal	QC
2288	28	Imprimeries Transcontinental inc.	Drummondville	QC
452	30	IMT, a Division of Canron Inc.	Port Colborne	ON
211	99	Incinérateur régional	Quebec	QC
362	59	Incinerator – Burnaby	Burnaby	BC

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
1465	29	Inco Ltd. – Central Mills	Copper Cliff	ON
444	29	Inco Ltd. – Copper Cliff Smelter Compl.	Copper Cliff	ON
1469	29	Inco Ltd. – Copper Refinery	Copper Cliff	ON
1467	29	Inco Ltd. – Nickel Refinery	Copper Cliff	ON
1471	29	Inco Ltd. – Port Colborne Refinery	Port Colborne	ON
1473	29	Inco Ltd., Manitoba Division	Thompson	MB
1480	29	Indalloy	North York	ON
2603	35	Independent Mirror Industries Inc.	Rexdale	ON
3142	30	Industrial Containers Ltd.	Brampton	ON
4718	19	Industrial Glove & Garment Ltd.	Whitby	ON
448	15	Industrial Tire Ltd.	Mississauga	ON
529	37	Industries Cobol ltée (Les)	Dorval	QC
1484	25	Industries de préservation du bois ltée (Les)	Tracy	QC
4373	29	Industries Lyster inc.	Lyster	QC
2547	16	Industries Rehau, inc.	Baie-d'Urfé	QC
4794	32	Industries Tanguay	Saint-Prime	QC
4612	30	Infasco Nut	Mississauga	ON
2439	30	Inglis ltée, Division de Montmagny	Montmagny	QC
455	56	Ingot Metal Co. Ltd.	Weston	ON
456	52	Ingram & Bell Inc.	Don Mills	ON
1598	06	Inmet Mining Corp., Winston Lake Division	Schreiber	ON
2582	16	Integram Windsor Seating	Windsor	ON
2536	37	Inter-Provincial Inks Ltd.	Concord	ON
459	37	Intergen Biomanufacturing Corp.	Toronto	ON
423	36	International Group Inc. (The)	Agincourt	ON
3450	37	International Paints	Baie-d'Urfé	QC
3759	27	International Wallcoverings Ltd.	Brampton	ON
4826	37	Interprovincial Cooperative Ltd.	Winnipeg	MB
1516	16	Intertape Polymer Group-Woven Products	Truro	NS
4617	16	Ipex Fittings Inc.	Mississauga	ON
2740	29	IPSCO Inc.	Regina	SK
2741	29	IPSCO Inc. – Calgary Pipe	Calgary	AB
4578	29	IPSCO Inc. – Western Steel Ltd.	Calgary	AB
4101	36	Irving Oil Ltd., Refining Division	Saint John	NB
3394	27	Irving Paper	Saint John	NB
2604	27	Irving Pulp and Paper / Irving Tissue Co.	Saint John	NB
1519	33	ITL Circuits	Markham	ON
4110	30	ITW Devilbiss, a Division of ITW Can Inc.	Barrie	ON
1520	29	Ivaco Rolling Mills	L'Orignal	ON
4746	30	J & K Die Casting Ltd.	Scarborough	ON
4336	39	J.J. Barker Co. Ltd.	Cowansville	QC
1531	10	J.M. Schneider Inc.	Kitchener	ON
3989	16	Jacobs & Thompson Inc.	Weston	ON
1528	27	James MacLaren inc. (Industries)	Thurso	QC
1525	27	James MacLaren inc. (Industries), Division du papier journal	Masson-Anger	QC
462	27	James River Ltd.	Marathon	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
464	56	Jan Woodlands Ltd.	L'Amable	ON
465	06	JM Asbestos inc.	Asbestos	QC
3545	25	John A. Biewer (Canada) Ltd.	Cambridge	ON
1534	31	John Deere Ltd. – Welland Works	Welland	ON
466	37	John E. Goudey Manufacturing Ltd.	Toronto	ON
3613	32	Johnson Controls Ltd.	Tillsonburg	ON
4747	32	Johnson Controls Ltd.	Tillsonburg	ON
1539	26	Johnson Controls Ltd.	Orangeville	ON
3991	39	Johnson Matthey Ltd.	Brampton	ON
4516	15	Johnson Rubber Co. Canada Ltd. (The)	Waterloo	ON
440	07	Judy Creek Gas Conservation Plant	Swan Hills	AB
4566	07	Judy Creek Production Complex	Swan Hills	AB
1553	37	K-G Packaging	Concord	ON
3949	32	Karmax Heavy Stamping	Milton	ON
4506	17	Kaufman Footwear	Kitchener	ON
4508	17	Kaufman Footwear	Kitchener	ON
1541	29	Kawneer Co. Canada Ltd.	Lethbridge	AB
3965	37	KelCoatings Ltd.	London	ON
4439	10	Kellogg Canada Inc.	London	ON
3236	29	Kennametal Inc., Macro Division	Port Coquitlam	BC
2803	32	Kenworth du Canada	Ste-Thérèse	QC
4621	26	KI Pembroke Inc.	Pembroke	ON
2815	06	Kidd Metallurgical Site	Hoyle	ON
2917	27	Kimberly-Clark Inc.	Huntsville	ON
815	27	Kimberly-Clark Nova Scotia Inc.	New Glasgow	NS
2607	27	Kimberly Clark Forest Products, Inc.	Terrace Bay	ON
1555	30	Kindred Industries, Division of Emco Ltd.	Midland	ON
4750	06	Kinross Gold Corp. – Bell Creek Mill	Schumacher	ON
1568	06	Kinross Gold Corp. – Macassa Mine	Kirkland Lake	ON
476	25	Kitchencraft of Canada Ltd.	Winnipeg	MB
4595	39	Kitchener Fibreglass Products Ltd.	Kitchener	ON
477	36	Kleen-Flo Tumbler Industries Ltd.	Brampton	ON
1562	37	Klintens Inc.	Brantford	ON
1558	30	Knape & Vogt Canada Inc.	Etobicoke	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
478	39	Kodak Canada Inc.	Toronto	ON
1560	37	Korzite Coatings Inc.	Guelph	ON
4748	29	KP Bronze Ltd.	Aurora	ON
3081	10	Kraft Canada Inc.	Cobourg	ON
4442	10	Kraft Canada Inc.	Williamstown	ON
4441	10	Kraft Canada Inc.	Ingleside	ON
4361	10	Kraft Canada inc.	Mount-Royal	QC
1561	37	Kronos Canada inc.	Varennes	QC
2748	16	KT Industries Ltd.	Winnipeg	MB

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
2578	32	KTM Locks	Concord	ON
4749	37	KUB Coatings Corp.	Kingston	ON
701	29	Kubota Metal Corp.	Orillia	ON
3111	30	Kuntz Electroplating Inc.	Kitchener	ON
3787	16	Kuriyama Canada Inc.	Brantford	ON
715	30	L&M Screw Machine Products Ltd.	North York	ON
1564	06	Lab Chrysotile inc.	Thetford Mines	QC
4366	37	Laboratoire Atlas Inc.	St-Léonard	QC
4795	37	Laboratoires Buckman du Canada ltée	Vaudreuil	QC
1565	37	Laboratoires Choisy ltée	Louiseville	QC
2841	11	Labatt Ltd.	Etobicoke	ON
2464	11	Labatt Ltd.	New Westminster	BC
2838	11	Labatt Ltd.	London	ON
3107	11	Labatt ltée	Lasalle	QC
702	35	Lafarge Canada Inc.	Richmond	BC
2535	99	Laidlaw Environmental Services Ltd.	Corunna	ON
2754	10	Laiterie Dallaire	Rouyn-Noranda	QC
1572	27	Lake Utopia Paper	St. George	NB
3769	59	Lakehead Scrap Metals	Thunder Bay	ON
3803	41	Lakeview W.P.C.P.	Mississauga	ON
705	10	Lallemand inc.	Montreal	QC
1575	10	Lantic Sugar Ltd. – Saint John Refinery	Saint John	NB
257	37	Lavo ltée	Montreal	QC
1580	28	Lawson Mardon Flexible Packaging	Toronto	ON
4518	28	Lawson Mardon Flexible Packaging	Weston	ON
4611	16	Lawson Mardon Reliance	Winnipeg	MB
708	32	Lear Corp. Canada Ltd.	Ajax	ON
950	33	Leaside Plant – Alcatel Canada Wire Inc.	Toronto	ON
3590	37	Lepage, Division of Henkel Canada Ltd.	Brampton	ON
848	29	Lethbridge Iron Works	Lethbridge	AB
2745	37	Lever Industrial	London	ON
3658	37	Lever Pond's, a Division of U L Canada Inc.	Toronto	ON
4437	33	Lightning Circuits	Niagara-on-the-Lake	ON
1353	37	Lilly Industries (Guardsman Products Ltd.)	Cornwall	ON
3815	37	Lilly Industries Inc.	London	ON
4521	30	Lincoln Electric Co. of Canada Ltd.	Toronto	ON
3233	29	Litton Canada Ltd., Kester Solder Division	Brantford	ON
716	30	Locweld inc.	Candiac	QC
2306	32	Lode-King Industries Ltd.	Winkler	MB
851	25	Loewen Windows	Steinbach	MB
4522	35	LOF Glass Co.	Collingwood	ON
3854	29	Lofthouse Brass Manufacturing Co. Ltd.	Burks Falls	ON
3853	29	Lofthouse Brass Manufacturing Co. Ltd.	Whitby	ON
1583	30	Long Manufacturing Inc.	Mississauga	ON
717	32	Long Manufacturing Inc.	Cambridge	ON
4756	32	Long Manufacturing Ltd.	Oakville	ON
2363	25	Longlac Wood Industries Inc.	Longlac	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
718	25	Louisiana-Pacific Canada Ltd.	Dawson Creek	BC
2478	25	LPB Poles Inc.	Masson-Angers	QC
3593	37	Lubrizol Canada Ltd.	Niagara Falls	ON
4627	47	Lynx Environmental Services Ltd.	Windsor	ON
4639	30	M&M Plating Inc.	Scarborough	ON
721	37	Macco organiques inc.	Valleyfield	QC
1588	37	MacDermid Chemicals Inc.	Mississauga	ON
722	37	Macdonald and White Varnish and Paint	Windsor	ON
1486	27	Mackenzie Pulp	Mackenzie	BC
723	27	MacMillan Bloedel Ltd.	Powell River	BC
1593	27	MacMillan Bloedel Ltd., Alberni, Pulp & Paper Division	Port Alberni	BC
725	27	Mactac Canada Ltd.	Brampton	ON
4799	30	Magotteaux Canada	Magog	QC
1596	27	Malette Kraft Pulp & Power	Smooth Rock Falls	ON
4386	25	Malette Québec inc.	St-Georges-de-Champlain	QC
4360	27	Malette Québec inc.	St-Raymond	QC
4798	27	Malette Québec inc.	St-Léonard	QC
4801	32	Manac	Saint-Georges (Beauce)	QC
4800	32	Manac	Orangeville	ON
728	37	Mancuso Chemicals Ltd.	Niagara Falls	ON
4362	35	Manson Insulation Inc.	Brossard	QC
1329	15	Manufacturier Granford inc. (Le)	St-Alphonse-de-Granby	QC
729	37	Mapei inc.	Laval	QC
2685	32	Maple Stamping	Concord	ON
4759	37	Maratek Environmental Inc.	Bolton	ON
4300	16	Marine Plastics Ltd.	Langley	BC
4268	31	Maritime Electric Co. Ltd.	Charlottetown	PE
853	37	Marsulex Inc.	Fort Saskatchewan	AB
4834	30	Marswell Metal Industries Ltd.	Burlington	ON
4318	25	Marwood Ltd.	Brookfield	NS
4475	30	Masco Canada Co. Ltd ., Cambridge Brass Division	Cambridge	ON
2580	32	Master Precision Tool & Die	Scarborough	ON
4593	29	Masterloy Products Ltd.	Gloucester	ON
653	07	Mazeppa Gas Processing Facility	Mazeppa	AB
859	36	McAsphalt Industries Ltd.	Scarborough	ON
3350	10	McCain Foods Ltd.	Florenceville	NB
3353	10	McCain Foods Ltd.	Grand Falls	NB
2620	10	McCain Refrigerated Foods Inc.	Harrowsmith	ON
4131	28	McCorquodale Color Card	North York	ON
862	32	McDonnell Douglas Canada Ltd.	Mississauga	ON
864	10	Mead Johnson Canada	Belleville	ON
4760	27	Mead Packaging (Canada) Ltd.	Ajax	ON
2446	35	Medicine Hat Brick & Tile Plant	Medicine Hat	AB
867	37	Merck Frosst Canada inc.	Kirkland	QC
4327	30	Métachimie Canada ltée	Granby	QC
4527	30	Metal Koting, Continuous Colour Coat	Rexdale	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
732	29	Metalex Products Ltd.	Richmond	BC
4528	29	Meteor Foundry Co. Ltd.	Mississauga	ON
1782	37	Methanex Corp.	Medicine Hat	AB
872	37	Methanex Corp. / Pacific Ammonia Inc.	Kitimat	BC
3468	15	Michelin North America (Canada) Inc. – Bridgewater Plant	Bridgewater	NS
3466	15	Michelin North America (Canada) Inc. – Granton Plant	New Glasgow	NS
3470	15	Michelin North America (Canada) Inc. – Waterville Plant	Cambridge Station	NS
3409	37	MicroColor Dispersions Ltd.	Toronto	ON
2499	29	Microprecision Die Casting Inc.	Burlington	ON
875	27	Millar Western Pulp (Meadow Lake) Ltd.	Meadow Lake	SK
878	27	Millar Western Pulp (Whitecourt) Ltd.	Whitecourt	AB
4512	33	Milplex Circuit (Canada) Inc.	Scarborough	ON
99	06	Mines Agnico (Les), Eagle Division Laronde	Cadillac	QC
2935	06	Mines d'or Kiena ltée (Les)	Dubuisson	QC
3290	06	Mines Selbaie (Les)	Joutel	QC
2461	37	Mintech Canada Inc.	Windsor	QC
4337	35	Miroirs Laurier ltée	Laurier Station	QC
3573	16	Mirolin	Toronto	ON
1623	33	Mitel S.C.C.	Bromont	QC
734	33	Mitsubishi Electronics Industries Canada Inc.	Midland	ON
735	16	Mobil Chemical Canada Ltd.	Belleville	ON
738	32	Modine of Canada Ltd.	Milton	ON
4761	29	Molten Metallurgy Inc.	Paris	ON
3245	11	Molson	Etobicoke	ON
2518	11	Molson	Barrie	ON
2866	11	Molson	Regina	SK
4308	11	Molson	Vancouver	BC
4762	30	Monarch Fabricating and Die Casters Ltd.	North York	ON
4326	15	Mondo America Inc.	Laval	QC
1645	55	Monroe Auto Equipment Co. of Canada	Owen Sound	ON
1648	16	Monsanto Canada inc.	Lasalle	QC
391	37	Montell Canada inc.	Varennes	QC
4763	37	Montell Canada Inc. – Sarnia Plant	Corunna	ON
2712	36	Moose Jaw Asphalt Inc.	Moose Jaw	SK
741	16	Morbern Inc.	Cornwall	ON
1656	32	Motor Coach Industries – Fort Garry Plants 4 and 5	Winnipeg	MB
1653	32	Motor Coach Industries – Winnipeg Plants 1, 2 and 3	Winnipeg	MB
4334	29	Moulage sous pression / AMT inc.	Saint-Cyprien	QC
1666	30	Multi Brite	Toronto	ON
4335	28	Multipak ltée	Montreal	QC
3028	32	Mytox Mfg. I	Concord	ON
4757	32	Mytox Mfg. II	Concord	ON
3586	37	Nacan Products	Boucherville	QC
3588	10	Nacan Products	Collingwood	ON
4567	37	Nalco / Exxon Energy Chemicals Canada	Nisku	AB
1668	37	Nalco Canada Inc.	Burlington	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4568	06	Nanisivik Mines Ltd.	Nanisivik	NT
787	37	Napierville Refineries Inc.	Napierville	QC
4397	35	Narco Canada inc.	Bécancour	QC
4194	30	National-Spar Inc.	Swift Current	SK
742	15	National Rubber Co. Inc.	Toronto	ON
3827	03	National Sea Products Ltd.	Lunenburg	NS
4538	30	National Standard Co.	Guelph	ON
3775	59	Navajo Metals	Calgary	AB
1674	32	Navistar International Corp. Canada – Chatham Assembly	Chatham	ON
748	37	NCH Canada Inc.	Brampton	ON
4540	10	Neilson Dairy	Halton Hills	ON
4616	29	Nelson Bronze Ltd.	New Hamburg	ON
4547	32	Nelson Muffler Canada Inc.	Burk's Falls	ON
3857	29	Nelson Steel, Division Samuel Manu-Tech Inc.	Nanticoke	ON
3859	29	Nelson Steel, Division Samuel Manu-Tech Inc.	Stoney Creek	ON
1693	37	Neste Resins Canada	Kamloops	BC
1690	37	Neste Resins Canada	Lindsay	ON
1684	37	Neste Resins Canada	Thunder Bay	ON
1687	37	Neste Resins Canada	North Bay	ON
1714	25	Newfoundland Hardwoods Ltd.	Clarenville	NF
4541	56	Niagara Bronze Ltd.	Niagara Falls	ON
750	37	Niagara Paint	Hamilton	ON
1715	32	Niagara Piston, Division of Court Valve Co. Inc.	Beamsville	ON
3623	29	Noranda – Fonderie Horne	Rouyn-Noranda	QC
1611	06	Noranda inc. (Mines et exploration), Division Matagami	Matagami	QC
3385	06	Noranda inc. (Mines et exploration), Division mines Gaspé	Murdochville	QC
3916	29	Noranda Métallurgie – Affinerie CCR	Montreal	QC
54	06	Noranda Mining & Exploration Inc., Brunswick Mining Division	Bathurst	NB
1385	06	Noranda Mining & Exploration Inc., Heath Steele Division	Newcastle	NB
1748	25	Norbord Industries Inc.	La Sarre	QC
1745	25	Norbord Industries Inc.	Val-d'Or	QC
4819	30	Norcast inc.	Mont-Joli	QC
4574	37	Norchem (Les industries)	Laval	QC
279	27	Norkraft Quevillon Inc.	Lebel-sur-Quevillon	QC
428	07	Norman Wells CPF & Refinery	Norman Wells	NT
2681	32	Normark Mfg.	Concord	ON
747	29	Norsk Hydro Canada inc.	Bécancour	QC
4316	36	North Atlantic Refining Ltd.	Come by Chance	NF
751	37	Northern Paint Canada Inc.	Winnipeg	MB
1760	48	Northern Telecom Canada Ltd.	Calgary	AB
1757	33	Northern Telecom Ltd.	Lachine	QC
4600	33	Northern Transformer Inc.	Concord	ON
1797	27	Northwood Pulp and Timber Ltd.	Prince George	BC
1788	37	Nova Chemicals Ltd. – Moore Plant	Sarnia	ON
4402	35	Nova Pb inc.	Ste-Catherine	QC
1776	36	Novacor Chemicals Ltd. – Corunna Site	Corunna	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
1779	37	Novacor Chemicals Ltd. – Joffre Site	Red Deer	AB
752	37	Novacor Chemicals Ltd. – Montreal Site	Montreal	QC
1785	37	Novacor Chemicals Ltd. – Sarnia Site	Sarnia	ON
4700	37	Novacor Chemicals Ltd. – St. Clair Site	Corunna	ON
4543	37	Novocol Pharmaceutical of Canada Inc.	Cambridge	ON
2469	37	Novopharm Ltd.	Scarborough	ON
2472	37	Novopharm Ltd.	Markham	ON
1445	49	Nuclear Generating Station – Centrale nucléaire Gentilly II	Bécancour	QC
3163	41	Nuclear Generating Station – Darlington	Darlington	ON
3161	41	Nuclear Generating Station – Pickering	Pickering	ON
755	10	Nutribec ltée	Montreal	QC
1801	37	Nutrite	Ste-Rosalie	QC
1802	37	Nutrite	Montreal	QC
3807	37	Nutrite Inc. – Nitrogen Division (formerly Nitrochem Inc.)	Maitland	ON
4764	37	Oakite Canada Ltd.	Bramalea	ON
3968	37	Oakside Chemicals Ltd.	London	ON
4821	16	Omniglass Ltd.	Winnipeg	MB
4765	26	Ontario Store Fixtures – Plant 1	Weston	ON
4766	26	Ontario Store Fixtures – Plant 2	Weston	ON
757	37	Ostrem Chemical Co. Ltd.	Edmonton	AB
1857	35	Ottawa Fibre Inc.	Ottawa	ON
3287	35	Owens-Corning – Guelph Glass Plant	Guelph	ON
1858	35	Owens-Corning Canada	Candiac	QC
1251	35	Owens-Corning Canada	Edmonton	AB
1245	35	Owens-Corning Canada	Scarborough	ON
656	37	OxyChem Durez Canada	Fort Erie	ON
2677	32	P & F Tool & Die	Concord	ON
1	27	Pacific Forest Industries Inc.	Boyle	AB
1863	16	Packall Packaging Inc.	Mississauga	ON
1870	27	Paperboard Industries Corp.	Toronto	ON
2524	27	Papiers Perkins ltée (Les)	Candiac	QC
1875	27	Papiers Scott ltée	Crabtree	QC
1878	27	Papiers Scott ltée	Lennoxville	QC
4845	30	Parrsboro Metal Fabricators Ltd.	Parrsboro	NS
1882	35	Partek Insulations Ltd.	Sarnia	ON
2539	25	Pastway Planing Ltd.	Combermere	ON
2406	06	PCS Inc., Allan Division	Allan	SK
1885	06	PCS Inc., Lanigan Divison	Lanigan	SK
2656	16	Pebra Inc.	Peterborough	ON
4768	83	Peel Resource Recovery Inc.	Brampton	ON
4353	37	Peinture Can-Lak inc.	Daveluyville	QC
4071	37	Peintures Prolux inc.	Rivière-des-Prairies	QC
4580	37	Pemla inc.	St- Léonard	QC
1891	07	Pennwest Petroleum Ltd. – Wainwright Unit 4	Wainwright	AB
4848	11	Pepsi-Cola Canada Beverages	Moncton	NB
4769	11	Pepsi-Cola Canada Beverages	Mississauga	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4804	11	Pepsi-Cola Canada Beverages	St-Laurent	QC
4824	11	Pepsi Cola Canada (West) Ltd.	Calgary	AB
2623	32	Perstorp Components – Plant 1	Kitchener	ON
2626	32	Perstorp Components – Plant 2	Kitchener	ON
4805	37	Petresa Canada Inc.	Bécancour	QC
3756	07	Petro-Canada – Bellshill	Killam	AB
1080	07	Petro-Canada – Boundary Lake Sour Gas Plant	Fort St. John	BC
3749	07	Petro-Canada – Brazeau	Drayton Valley	AB
3903	36	Petro-Canada – Edmonton Refinery	Edmonton	AB
3752	07	Petro-Canada – Empress	Burstall	SK
1077	07	Petro-Canada – Ferrier Gas Plant	Rocky Mountain House	AB
3753	07	Petro-Canada – Gold Creek	Grande Prairie	AB
3755	07	Petro-Canada – Golden Lake	Maidstone	SK
3750	07	Petro-Canada – Hangingstone	Fort Mcmurray	AB
3758	07	Petro-Canada – Hanlan-Robb	Edson	AB
3754	07	Petro-Canada – Kaybob	Fox Creek	AB
3901	36	Petro-Canada – Lake Ontario Refinery	Oakville	ON
3899	36	Petro-Canada – Lubricant Center	Mississauga	ON
3897	36	Petro-Canada – Raffinerie de Montréal	Montreal	QC
3757	07	Petro-Canada – Whitecourt	Whitecourt	AB
3751	07	Petro-Canada – Wildcat Hills	Cochrane	AB
4569	37	Pétrochimie Coastal du Canada	Montreal	QC
1905	09	Petrolite Canada Inc. – Nisku Blend Plant	Nisku	AB
3635	37	Pétromont (Societé en commandite)	Montreal	QC
3634	37	Pétromont (Societé en commandite)	Varennes	QC
2848	59	Philip Enterprises Inc.	Hamilton	ON
2846	59	Philip Enterprises Inc.	Hamilton	ON
4589	55	Phillips and Temro Industries Ltd.	Winnipeg	MB
762	37	Phillips Paint Products	Winnipeg	MB
4590	37	Phytogen Pharmaceuticals Inc.	Delta	BC
1931	37	Pierce & Stevens Canada, Inc.	Fort Erie	ON
4	27	Pine Falls Paper Co. Ltd.	Pine Falls	MB
2474	16	Pipe Coating Systems, Division of Garneau Inc.	Nisku	AB
3271	33	Pirelli Cables Inc.	St-Jean-sur-Richelieu	QC
1935	06	Placer Dome Canada – Campbell Mine	Balmertown	ON
1941	06	Placer Dome Canada Ltd. – Dome Mine	South Porcupine	ON
3276	06	Placer Dome Canada Ltd., Division mines Sigma	Val-d'Or	QC
2794	06	Placer Dome Canada Ltd.	Endako	BC
3030	30	Plastcoat	Mississauga	ON
764	37	Plasti-Fab Ltd. – EPR Plant	Crossfield	AB
1942	16	Plastmo Ltd.	Brampton	ON
4704	28	PLM Graphics Inc.	Markham	ON
4648	16	Polybottle Group Ltd.	Surrey	BC
4534	37	Polycol ltée.	Pointe-Claire	QC
2521	16	Polycon Industries	Guelph	ON
3017	16	Polyrim (Greenlane)	Thornhill	ON
1947	10	Port Colborne Poultry Ltd.	Port Colborne	ON

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1274	16	Portes Garaga (2000) inc.	St -Georges (Beauce)	QC
1948	06	Potacan Mining Co.	Clover Hill	NB
1996	06	Potash Corp. of Saskatchewan Inc., New Brunswick Division	Penobsquis	NB
4562	06	Potash Corp. of Saskatchewan Inc., Rocanville Division	Rocanville	SK
3395	29	Poudres métalliques du Québec ltée (Les)	Tracy	QC
4550	31	Power Generation – Westinghouse Canada Inc.	Hamilton	ON
2081	41	Power Station – Boundary Dam	Estevan	SK
2079	41	Power Station – Poplar River	Coronach	SK
2085	41	Power Station – Queen Elizabeth	Saskatoon	SK
2083	41	Power Station – Shand	Estevan	SK
765	37	PPG Canada Inc.	Beauharnois	QC
1953	37	PPG Canada Inc. – Clarkson C&R Plant	Mississauga	ON
1961	32	Pratt & Whitney Canada inc. – Etablissement 1	Longueuil	QC
1964	32	Pratt & Whitney Canada inc. – Etablissement 2	Longueuil	QC
1958	32	Pratt & Whitney Canada inc. – Etablissement 41	Halifax County	NS
767	37	Praxair – Air Separation Plant	Prentiss	AB
1970	37	Praxair Canada Inc , Specialty Gases	Oakville	ON
2861	39	Praxair Products Inc.	Winnipeg	MB
2860	39	Praxair Products Inc.	Edmonton	AB
2597	32	Precision Fineblank Components	North Sydney	NS
2371	06	Premier Gold Project – Westmin Resources Ltd.	Stewart	BC
4622	35	Premier Refractories Can Ltd.	Welland	ON
4352	25	Premoule Inc.	Ste-Foy	QC
2669	25	Prendiville Wood Preservers Ltd.	Neepawa	MB
2683	32	Presstran Industries	St.Thomas	ON
4367	32	Prévost Car Inc.	Sainte-Claire	QC
4368	32	Prévost Car Inc.	Sainte-Claire	QC
4063	27	Prince George Pulp & Paper Mills	Prince George	BC
1978	37	Procter & Gamble	Hamilton	ON
1976	37	Procter & Gamble – Brockville Plant	Brockville	ON
327	27	Procter & Gamble, Facelle Division	Toronto	ON
676	15	Production Centropneus, Division Goodyear	St-Jean-sur-Richelieu	QC
100	37	Produits Agro B inc. (Les)	Mercier	QC
1083	15	Produits American Biltrite ltée	Sherbrooke	QC
4382	37	Produits Chemcraft Sadolin (Québec) inc.	Princeville	QC
4321	37	Produits chimiques Delmar inc. (Les)	Lasalle	QC
322	37	Produits chimiques Expro inc.	St-Timothée	QC
4802	37	Produits chimiques Handy ltée	Candiac	QC
3195	37	Produits chimiques Handy ltée	La Prairie	QC
2475	37	Produits chimiques Sterling	Buckingham	QC
1979	27	Produits forestiers Alliance inc.	Dolbeau	QC
4803	27	Produits forestiers Donohue inc.	Clermont	QC
3828	27	Produits forestiers Donohue inc.	Amos	QC
3242	27	Produits forestiers Donohue inc.	St-Félicien	QC
4404	51	Produits lubri-delta inc.	Laval	QC
4393	29	Produits non-ferreux Gauthier inc.	Montreal	QC

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4128	16	Produits ultifoam international inc.	St-Nicéphore	QC
1987	37	Progress Plastics & Compounds Inc.	Mississauga	ON
2505	28	Progressive Packaging Ltd.	Aurora	ON
1988	30	Prokote Inc.	Cambridge	ON
1990	37	Prospec Chemicals	Sturgeon	AB
2543	30	Protec Finishing Ltd.	Mississauga	ON
1993	33	Prototype Circuits Inc.	Scarborough	ON
1994	27	Provincial Papers Inc.	Thunder Bay	ON
2591	32	Pullmatic Mfg.	Markham	ON
4806	29	QIT / Fer et titane inc.	Tracy	QC
3447	28	Québecor Printing PE&E	Etobicoke	ON
2553	27	Quesnel River Pulp Co.	Quesnel	BC
2001	27	QUNO Corp.	Baie-Comeau	QC
775	27	QUNO Corp.	Thorold	ON
3087	37	R.W. Packaging Ltd.	Winnipeg	MB
3088	37	R.W. Packaging Ltd.	Edmonton	AB
3089	37	R.W. Packaging, International	Agincourt	ON
2003	37	Radiator Specialty Co. of Canada Ltd.	Mississauga	ON
2009	33	Ralston Purina Canada , Eveready Division	Walkerton	ON
2488	25	Ram Forest Products Inc.	Vandorf	ON
4830	25	Ranger Board Ltd.	Whitecourt	AB
2473	30	Ranger Metal Products	Guelph	ON
4705	30	Rapistan Demag Ltd.	Mississauga	ON
4706	29	Ratcliff / Severn Ltd.	Richmond Hill	ON
4720	37	Raylo Chemicals Inc.	Edmonton	AB
4536	25	Raywal Ltd.	Thornhill	ON
4544	16	RCR International Inc.	Mississauga	ON
2011	37	Reagens Canada Ltd.	Bradford	ON
778	39	Recochem Inc.	Brampton	ON
781	39	Recochem Inc.	St-Laurent	QC
790	39	Recochem Inc.	Nisku	AB
784	39	Recochem Inc.	Port Coquitlam	BC
2801	29	Recyclage Côte-Nord inc.	Baie Comeau	QC
2799	29	Recyclage d'aluminium Québec inc.	Bécancour	QC
4565	35	Redcliff Pressed Brick Plant	Redcliff	AB
2016	10	Redpath Sugars	Toronto	ON
4773	83	Regional Municipality of Ottawa-Carleton, Traffic Operations Branch	Ottawa	ON
793	37	Reichhold Ltd.	Port Moody	BC
2022	37	Reichhold Ltd.	North York	ON
4807	37	Reichhold Ltd. – Swift	Pointe-Claire	QC
2031	16	Reinforced Plastic Systems Inc.	Mahone Bay	NS
2484	30	Reliable Engine Services Ltd.	Edmonton	AB
798	29	Reliance Foundry Co. Ltd.	Surrey	BC
4605	30	Reliance Steel Fabricators Ltd.	Tilbury	ON
799	15	Renfrew Tape Ltd.	Renfrew	ON

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2051	27	Repap Manitoba Inc.	The Pas	MB
1620	27	Repap NB Inc. – Groundwood Pulp Mill	Miramichi	NB
1617	27	Repap NB Inc. – Kraft Pulp & Paper Mill	Miramichi	NB
801	37	Resco Colours, a Division of Hoechst Canada (1996) Inc.	Mississauga	ON
1681	37	Résines Nesté Canada	Ste-Thérèse	QC
2551	06	Ressources Aur (Les), Division Aurbel	Val-d'Or	QC
4850	37	Revêtements Polyval inc. (Les)	Boisbriand	QC
4835	55	Reynolds-Lemmerz Ind.	Collingwood	ON
2033	29	Reynolds (La cie de profiles)	Ste-Thérèse	QC
2038	29	Reynolds (Société Canadienne de métaux)	Baie-Comeau	QC
3598	29	Reynolds (Usine de tiges)	Bécancour	QC
796	29	Reynolds ltée (Société d'aluminium du Canada)	Cap-de-la-Madeleine	QC
2057	33	Rheem Canada Ltd.	Hamilton	ON
2994	37	Rhone-Poulenc Canada Inc.	Calgary	AB
2996	37	Rhône-Poulenc inc	Valleyfield	QC
800	37	Rhone-Poulenc Specialty Chemicals Ltd.	Mississauga	ON
2048	37	Rhone-Poulenc Specialty Chemicals Ltd.	St. Catharines	ON
804	37	Rieger Flexo & Gravure Ltd.	Downsview	ON
3015	32	Rimply Mfg.	Newmarket	ON
2544	29	Riverside Brass	New Hamburg	ON
3633	30	Riverside Fabricating Ltd.	Windsor	ON
2060	37	Roberts Co. Canada Ltd.	Brampton	ON
4548	37	Robertson and Dawson Ltd.	Pickering	ON
4549	37	Rochester Midland Ltd.	Oakville	ON
4770	32	Rockwell International of Canada Ltd.	Tilbury	ON
3453	32	Rockwell International Suspension Systems Co.	Milton	ON
805	32	Rockwell International Suspension Systems Co.	Chatham	ON
947	10	Rogers Sugar Ltd.	Taber	AB
944	10	Rogers Sugar Ltd.	Winnipeg	MB
941	10	Rogers Sugar Ltd.	Vancover	BC
806	37	Rohm & Haas Canada Inc. – Morrisburg Plant	Morrisburg	ON
2065	37	Rohm & Haas Canada Inc. – West Hill Plant	West Hill	ON
4383	32	Rolls-Royce Canada ltée	Lachine	QC
3019	32	Rollstamp	Concord	ON
4592	37	Root Industries Inc.	North York	ON
2068	10	Rothsay – Moorefield Site	Maryborough	ON
2593	32	Roto-Form	Rexdale	ON
4570	37	Rougier inc.	Chambly	QC
4820	30	Royal Canadian Mint	Winnipeg	MB
4221	06	Royal Oak Mines Inc. – Giant Mine	Yellowknife	NT
3861	06	Royal Oak Mines Inc. – Pamour Mine	Timmins	ON
4413	16	Roytec Vinyl Co.	Woodbridge	ON
214	37	Rubans Adhésifs Vibac du Canada (La corp. des)	Montreal	QC
4597	56	Ruff Clarkson Steel Ltd.	Brantford	ON
2493	25	Rustad Bros & Co. Ltd., PGWood Division	Prince George	BC
2070	37	Rutgers VFT Inc.	Hamilton	ON

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2088	33	S&C Electric Canada Ltd.	Etobicoke	ON
4329	35	Sables Olimag inc. (Les)	Thetford Mines	QC
4772	36	Safety-Kleen Canada Inc.	Breslau	ON
4370	15	Samuel Bingham Co.	Montreal	QC
810	15	Samuel Bingham Co.	Toronto	ON
3889	29	Samuel Strapping Systems	Mississauga	ON
4524	29	Sandvik Steel Canada	Arnprior	ON
813	37	Sani-Marc inc.	Victoriaville	QC
2074	37	Saskatoon Chemicals Ltd.	Saskatoon	SK
2367	10	Saskatoon Processing Co.	Saskatoon	SK
2077	37	Saskferco Products Inc.	Belle Plaine	SK
1591	25	Saskfor MacMillan Ltd. Partnership, OSB Division	Hudson Bay	SK
2087	37	Savolite Corp.	Delta	BC
2512	15	Scandura (Canada) Inc.	Bracebridge	ON
4175	37	Schenectady Canada Ltd.	Scarborough	ON
2091	37	Schering Canada inc.	Pointe-Claire	QC
4532	16	Schlegel Canada Inc.	Oakville	ON
4333	37	Schmidt Printing Inks Ltd.	Montreal	QC
4542	33	Schneider Canada – Waterman Plant	Toronto	ON
2630	35	Schuller International Canada Inc.	Innisfail	AB
814	37	Schwartz Chemical of Canada Ltd.	Pickering	ON
2097	11	Seagram Co. Ltd. (The)	Gimli	MB
4843	29	Seagull Pewter & Silversmiths Ltd.	Pugwash	NS
2106	37	Selectone Paints Ltd.	Weston	ON
4006	46	Shaw Pipe Protection 1	Calgary	AB
4002	46	Shaw Pipe Protection 2	Edmonton	AB
4008	46	Shaw Pipe Protection 3	Camrose	AB
4010	46	Shaw Pipe Protection 5	Regina	SK
4012	46	Shaw Pipe Protection 8	Welland	ON
2960	36	Shell – Scotford Refinery	Fort Saskatchewan	AB
2120	07	Shell Canada Ltd.– Caroline Complex	Caroline	AB
4065	36	Shell Canada Ltd.– Shellburn Refinery	Burnaby	BC
2125	37	Shell Canada Chemical Co.	Corunna	ON
2119	07	Shell Canada Ltd. – Jumping Pound Complex	Calgary	AB
2128	07	Shell Canada Ltd. – Peace River Complex	Peace River	AB
2108	07	Shell Canada Ltd. – Waterton Complex	Pincher Creek	AB
3127	36	Shell Canada ltée (Les produits)	Montreal	QC
2122	36	Shell Canada Products Ltd. – Brockville	Brockville	ON
3962	36	Shell Canada Products Ltd. – SMC Refinery	Corunna	ON
2132	37	Sherritt Inc.	Fort Saskatchewan	AB
2134	37	Sherritt Inc.	Redwater	AB
2703	37	Sherwin-Williams Co. (The)	Brampton	ON
2170	27	Shorewood Packaging Corp.	Brockville	ON
2133	36	Shrader Canada Ltd.	Oakville	ON
4183	10	Shur Gain	Weston	ON
4185	10	Shur Gain	Stevensville	ON

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4187	10	Shur Gain Farm Service	Highgate	ON
4181	10	Shur Gain, St. Marys Feed and Pet Food	St. Marys	ON
3454	37	SICO – Beauport	Beauport	QC
3456	37	SICO – Longueuil	Longueuil	QC
3460	37	SICO – Mulco	St-Hubert	QC
3458	37	SICO – Prilco	Etobicoke	ON
3464	37	SICO – Toronto	Rexdale	ON
3655	29	Sidbec / Feruni (ISPAT) inc.	Contrecoeur	QC
3647	29	Sidbec – Laminoir à chaud	Contrecoeur	QC
4381	29	Sidbec – Laminoir à froid	Contrecoeur	QC
3651	29	Sidbec – Tuberie	Montreal	QC
3649	29	Sidbec Dosco (ISPAT) inc. – Aciérie	Contrecoeur	QC
4020	32	Siemens (1020 Adelaide)	London	ON
4017	32	Siemens (Newbold)	London	ON
2152	35	Sifto Canada Inc. – Unity Plant	Unity	SK
2903	30	Signode Canada, a Division of ITW Canada Inc.	Scarborough	ON
953	33	Simcoe Plant – Alcatel Canada Wire Inc.	Simcoe	ON
2155	06	Similco Mines Ltd.	Princeton	BC
2515	37	Simplot Canada Ltd.	Brandon	MB
2158	27	Skeena Cellulose Pulp Operations	Prince Rupert	BC
4447	31	Skyjack Inc.	Guelph	ON
2161	29	Slater Steels, H.S.B. Division	Hamilton	ON
2764	25	Slave Lake O.S.B. Mill	Slave Lake	AB
3959	27	Slave Lake Pulp Corp.	Slave Lake	AB
2574	32	Slide-Master	Newmarket	ON
2167	37	Smith & Nephew Inc.	Lachine	QC
4388	37	SNC inc. (Les technologies industrielles), Division Le Gardeur	Le Gardeur	QC
4389	30	SNC inc. (Les technologies industrielles), Division St-Augustin	St-Augustin-de-Desmaures	QC
3032	29	SNW Ontario	Ingersoll	ON
3812	30	SNW Québec	Marieville	QC
4350	37	Société chimique Laurentide Atlantique inc.	Richibucto	NB
4349	37	Société chimique Laurentide inc.	Shawinigan	QC
4348	37	Société chimique Laurentide inc.	Montreal	QC
4328	29	Sorevco (Société en commandite)	Côteau-du-Lac	QC
4440	29	Specialty Cast Metals Ltd.	Niagara Falls	ON
2168	39	Spectra Anodizing Ltd.	Woodbridge	ON
3927	30	Speedstamp Finishing	Richmond Hill	ON
2517	25	Spray Lake Sawmills (1980) Ltd.	Cochrane	AB
2173	27	Spruce Falls Inc.	O'Brien	ON
2181	27	St. Anne-Nackawic Pulp Co. Ltd.	Nackawic	NB
2182	35	St. Lawrence Cement	Mississauga	ON
4445	37	St. Lawrence Chemical Inc.	Rexdale	ON
4446	37	St. Lawrence Chemical Inc.	Baie-d'Urfé	QC
639	35	St.Lawrence Brick, Division Jannock ltée	Laprairie	QC
3983	30	Stackpole Ltd., Automotive Gear Division	Mississauga	ON
3980	30	Stackpole Ltd., Pump Components Divison	Toronto	ON

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3986	30	Stackpole Ltd., Stratford Powder Metal Products Division	Stratford	ON
4346	37	Stahl Canada ltée	St-Laurent	QC
2183	59	Stanchem Inc. – Leduc	Leduc	AB
2195	59	Stanchem inc. – St. Ambroise	Montreal	QC
2189	59	Stanchem Inc. – Titan	Etobicoke	ON
2201	59	Stanchem Inc. – Vancouver	Vancouver	BC
2186	59	Stanchem Inc. – Winnipeg	Winnipeg	MB
4539	29	Standard Induction Castings Ltd.	Windsor	ON
4411	15	Standard Products (Canada) Ltd. – Mitchell Rubber Plant #4	Mitchell	ON
4412	15	Standard Products (Canada) Ltd. – Georgetown Rubber Plant #6	Georgetown	ON
2176	15	Standard Products (Canada) Ltd. – Rubber Plant #1	Stratford	ON
4409	15	Standard Products (Canada) Ltd. – Rubber Plant #2	Stratford	ON
4410	15	Standard Products (Canada) Ltd. – Rubber Plant #3	Stratford	ON
4545	55	Standard Tube Canada, Inc.	Woodstock	ON
4846	24	Stanfield's Ltd.	Truro	NS
4546	30	Stanley Mechanics Tools	Smiths Falls	ON
2207	37	Stanley Pharmaceutical Ltd. – Liquids Plant	North Vancouver	BC
2559	15	Stedfast inc.	Granby	QC
2633	16	Steelwood Doors Co.	Woodbridge	ON
2770	30	Stelco Fasteners Ltd.	Brantford	ON
2984	29	Stelco Hilton Works	Hamilton	ON
3855	29	Stelco Lake Erie Works	Nanticoke	ON
2986	29	Stelco Mcmaster ltée	Contrecoeur	QC
3568	30	Stelfil ltée	Lachine	QC
4609	25	Stella-Jones Inc.	Truro	NS
2912	25	Stella-Jones Inc.	Prince George	BC
4610	25	Stella-Jones Inc.	New Westminster	BC
2909	25	Stella-Jones inc.	Delson	QC
3403	29	Stelpipe Ltd.	Welland	ON
3037	30	Stelwire Ltd. – Burlington Works	Burlington	ON
4045	30	Stelwire Ltd. – Parkdale Works	Hamilton	ON
2216	37	Stepan Canada Inc.	Longford Mills	ON
2210	39	Sterling Marking Products Inc.	London	ON
2490	37	Sterling Pulp Chemicals Ltd.	Thunder Bay	ON
3781	37	Sterling Pulp Chemicals Ltd.	North Vancouver	BC
2796	37	Sterling Pulp Chemicals Ltd. – Chlorate Plant	Grande Prairie	AB
2211	37	Sternson Group (The)	Brantford	ON
4417	41	Sternson Group (The)	Nisku	AB
668	03	Steveston Plant – British Columbia Packers	Richmond	BC
4030	27	Stone-Consolidated Corp.	Kenora	ON
917	27	Stone-Consolidated Corp.	Fort Frances	ON
2636	27	Stone-Consolidated Corp.	La Baie	QC
2502	27	Stone-Consolidated Corp. – Usine Wayagamack	Trois-Rivières	QC
2587	27	Stone-Consolidated Corp., Division Laurentide	Grand-Mère	QC
2219	27	Stone Container (Canada) Inc.	Bathurst	NB
3842	29	Stone Marine Canada ltée	Iberville	QC

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2221	27	Stora Forest Industries Ltd.	Port Hawkesbury	NS
4345	15	Stowe Woodward Inc.	Sherbrooke	QC
1233	06	Strathcona Mill	Onaping	ON
4831	27	Strathcona Paper Co., Division of Roman Corp. Ltd.	Napanee	ON
2963	37	Styrene Monomer Manufacturing Plant	Fort Saskatchewan	AB
3250	37	Styrochem International Ltd.	Baie-d'Urfé	QC
3043	10	Sucre Lantic ltée	Montreal	QC
1156	37	Sulco Chemicals Ltd.	Elmira	ON
2229	37	Sulconam inc.	Montreal	QC
4310	37	Sun Chemical Ltd.	Richmond	BC
2257	37	Sun Chemical Ltd.	North York	ON
2260	37	Sun Chemical Ltd.	Burlington	ON
4833	37	Sun Chemical Ltd.	Brampton	ON
2230	07	Suncor Inc., Oil Sands Group	Fort McMurray	AB
2225	07	Suncor Resources Group – North Rosevear Gas Plant	Edson	AB
2227	07	Suncor Resources Group – Simonette Production Complex	Valleyview	AB
2223	07	Suncor Resources Group – South Rosevear Gas Plant	Edson	AB
4827	25	Sunpine Forest Products Ltd.	Sundre	AB
2263	27	Sunworthy Wallcoverings, Division of Borden Co.	Brampton	ON
4573	35	Suzorite Mica Products Inc.	Boucherville	QC
4315	26	Swedwood Canada Ltd.	Dartmouth	NS
4204	29	Sydney Steel Corp.	Sydney	NS
2274	07	Syncrude Canada Ltd.	Fort McMurray	AB
2277	37	Synergistics Industries Ltd.	Orangeville	ON
4358	37	Synergistics Industries Ltd.	Orangeville	ON
4359	37	Synergistics Industries Ltd.	Lindsay	ON
4357	37	Synergistics ltée (Les industries)	St-Rémi	QC
4320	30	Tamis Cae Inc.	Lennoxville	QC
2278	06	Tantalum Mining Corp. of Canada Ltd.	Lac du Bonnet	MB
4849	16	Tarxien Components Corp.	Concord	ON
4057	37	Technical Coatings Co. Ltd.	Burlington	ON
2975	15	Techno Caoutchouc inc.	Rock Forest	QC
4054	28	Technologies BABN inc. (Les)	Montreal	QC
2948	27	Tembec inc.	Témiscaming	QC
2957	37	Tembec inc., Division Produits chimique alcool	Témiscaming	QC
2951	37	Tembec inc., Division Produits chimique lignine / résine	Témiscaming	QC
2233	37	Terra Lambton Works	Courtright	ON
571	16	Textron Automotive Co.	Port Hope	ON
2247	39	Theratronics International Ltd.	Kanata	ON
2915	33	Therm-o-Disc Canada Ltd.	St.Thomas	ON
4414	30	Thermo Sealed Castings Ltd.	Burlington	ON
2130	37	Thio-Pet Chemicals Ltd.	Fort Saskatchewan	AB
3068	10	Thomas J. Lipton	Rexdale	ON
2250	37	Thomson Gordon	Burlington	ON
2251	37	Tibbetts Paints Ltd.	Trenton	NS
4419	29	Timminco Ltd. – Haley Facility	Haley	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4775	29	Timminco Ltd. – Westmeath Facility	Pembroke	ON
4822	29	Titan Foundry Ltd.	Edmonton	AB
4307	30	Titan Steel & Wire Co. Ltd.	Surrey	BC
2540	16	Tom Roy Fiberglass Manufacturing Ltd.	Elizabethtown	ON
2256	29	Tonolli Canada Ltd.	Mississauga	ON
4421	30	Tooling Technology Centre Inc.	Windsor	ON
4776	30	Tooling Technology Centre Inc.	Windsor	ON
4777	30	Tooling Technology Centre Inc.	Oldcastle	ON
2595	29	Toral Cast	Concord	ON
2281	30	Torcad Ltd.	Toronto	ON
3790	32	Toyota Motor Manufacturing Canada Inc.	Cambridge	ON
4390	25	Traitement sous pression L.D. ltée	Saint-Raymond	QC
2291	37	Travis Chemicals Inc. – Calgary Warehouse & Lab	Calgary	AB
2293	37	Travis Chemicals Inc. – St. Albert Warehouse	St. Albert	AB
4425	37	Trebor Industries Ltd., Tristar Coatings Division	Brampton	ON
2298	37	Tremco Ltd.	East York	ON
4392	30	Trempeurs d'acier du Québec (Les)	St-Eustache	QC
2489	25	Trent Timber Treating Ltd.	Peterborough	ON
4403	37	Tri-Tex cie inc.	St-Eustache	QC
4809	27	Tripap	Trois-Rivières	QC
2304	32	Triple E Canada Ltd.	Winkler	MB
2301	16	Triple M Fiberglass Manufacturing Ltd.	Edmonton	AB
4561	37	Triwaste Technisol Inc.	Raymond	AB
3190	32	TRW – Plant 1	Midland	ON
3188	32	TRW – Plant 4	Midland	ON
4628	32	TRW Canada Ltd. – Automotive Electronics Group	Brantford	ON
2809	32	TRW Canada Ltd. – Plant 3	Tillsonburg	ON
2812	32	TRW Canada Ltd. – Plant 4	Tillsonburg	ON
2806	32	TRW Canada Ltd. – Plants 1 and 2	St.Catharines	ON
2312	29	Tuyaux Wolverine (Canada) inc.	Montreal	QC
4634	30	Uddeholm Heat Treatment Division	Newmarket	ON
3928	36	Ultramar Canada inc.	Lévis	QC
758	25	Uniboard Canada inc., Division Mont-Laurier	Mont-Laurier	QC
2989	25	Uniboard Canada inc., Division Sayabec	Sayabec	QC
4060	25	Uniboard Canada inc., Division Val-d'Or	Val-d'Or	QC
3381	37	Uniboard Canada, Division Unires	Val-d'Or	QC
2316	37	Union Carbide Canada Inc.	Red Deer	AB
2322	37	Uniroyal Chemical Ltd.	Elmira	ON
3472	15	Uniroyal Goodrich Canada Inc.	Kitchener	ON
4408	39	Universal Fasteners, Division of YKK Canada Inc.	Windsor	ON
3556	36	Upton Road Plant	Scarborough	ON
4380	30	Usine Giant inc.	Montreal	QC
2329	32	Valeo Engine Cooling Ltd.	Stratford	ON
4429	16	Valle Foam Industries Inc.	Brampton	ON
4428	16	Valle Foam Industries Inc.	Brampton	ON
4707	30	Valley Metal Finishing (1983) Ltd.	Concord	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
2331	37	Valspar Inc.	West Hill	ON
2340	37	Van Waters & Rogers Ltd.	Calgary	AB
2346	59	Van Waters & Rogers Ltd.	Downsview	ON
2337	59	Van Waters & Rogers Ltd.	Winnipeg	MB
2349	37	Van Waters & Rogers Ltd.	Edmonton	AB
2334	59	Van Waters & Rogers Ltd.	Valleyfield	QC
2343	59	Van Waters & Rogers Ltd.	Richmond	BC
4422	59	Van Waters & Rogers Ltd.	Weston	ON
4723	45	Vancouver Wharves Ltd.	North Vancouver	BC
1544	55	Varity / Kelsey – Hayes Canada Ltd.	Woodstock	ON
1547	29	Varity / Kelsey – Hayes Canada Ltd., Woodstock Division	Woodstock	ON
4395	33	Varta Industrial Batteries Ltd.	Lachine	QC
4210	19	Velcro Canada Inc.	Brampton	ON
2691	32	Venest Industries	St. Catharines	ON
4625	32	Ventra Group Inc., Seeburn Division	Tottenham	ON
2352	19	Veratec Canada, a Division of International Paper Inc.	Toronto	ON
4556	32	Vernomatic I	Concord	ON
3021	32	Vernomatic II	Downsview	ON
2356	35	Verrerie Walker ltée (La)	Anjou	QC
2355	16	VINTEX Inc.	Mount Forest	ON
4554	16	Vitafoam Products Canada Ltd.	Winnipeg	MB
4552	16	Vitafoam Products Canada Ltd.	Downsview	ON
4553	16	Vitafoam Products Canada Ltd.	Calgary	AB
4430	32	Volkswagen Canada	Barrie	ON
4847	32	Volvo Canada Ltd.	Halifax	NS
3599	44	Vulsay Industries Ltd.	Brampton	ON
2456	37	W.R. Grace & Cie du Canada ltée	Valleyfield	QC
4426	30	W.R. Key Ltd.	Scarborough	ON
4427	39	W.R. Meadows of Canada Ltd.	Milton	ON
2357	29	Wabash Alloys Ontario	Toronto	ON
2487	32	Wabco / Westinghouse Railway (Canada) Ltd.	Stoney Creek	ON
4432	30	Waltec Components	Wallaceburg	ON
3091	37	Warner-Lambert Canada Inc.	Brockville	ON
2704	35	Washington Mills Electro Minerals Corp.	Niagara Falls	ON
2707	35	Washington Mills Ltd.	Niagara Falls	ON
4779	49	Water Pollution Control Centre	Sarnia	ON
4743	83	Water Pollution Control Centre – Greenway	London	ON
205	41	Water Pollution Control Plant	Thunder Bay	ON
4755	41	Water Pollution Control Plant – Little River	Windsor	ON
3677	41	Water Pollution Control Plant – Niagara Falls	Niagara Falls	ON
3680	41	Water Pollution Control Plant – Port Dalhousie	St. Catharines	ON
495	41	Water Pollution Control Plant – West Windsor	Windsor	ON
4767	49	Water Supply Plant – Oshawa	Oshawa	ON
4780	49	Water Supply Plant – Whitby	Whitby	ON
4838	49	Water Supply Plant (Halifax Regional Water Supply Comm.) – J.Douglas Kline	Hammonds Plains	NS

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
4837	49	Water Supply Plant (Halifax Regional Water Supply Comm.) – Lake Lamont	Dartmouth	NS
365	49	Water Treatment – Humpback Chloramination Plant	Langford	BC
4354	41	Water Treatment – Station de purification de la Ville de Repentigny	Repentigny	QC
3571	49	Water Treatment – Station d'épuration de la communauté urbaine de Montréal	Montreal	QC
3040	37	Water Treatment Division – Oak Park Road Operations	Brantford	ON
4810	49	Water Treatment Plant – Atwater	Verdun	QC
203	41	Water Treatment Plant – Bare Point	Thunder Bay	ON
3618	41	Water Treatment Plant – Buffalo Pound	Moosejaw	SK
367	49	Water Treatment Plant – Charter's Creek Chloramination	Sooke	BC
3674	41	Water Treatment Plant – Decew Falls	Fonthill	ON
4813	49	Water Treatment Plant – Desbaillets	Lasalle	QC
3912	49	Water Treatment Plant – E.L. Smith	Edmonton	AB
4839	83	Water Treatment Plant – Fredericton	Fredericton	NB
4435	41	Water Treatment Plant – Highland Creek	Scarborough	ON
3805	41	Water Treatment Plant – Lakeview	Mississauga	ON
204	41	Water Treatment Plant – Loch Lomond	Thunder Bay	ON
2749	49	Water Treatment Plant – Medicine Hat	Medicine Hat	AB
3671	41	Water Treatment Plant – Niagara Falls	Niagara Falls	ON
201	49	Water Treatment Plant – Peterborough	Peterborough	ON
4818	49	Water Treatment Plant – Pont-Viau	Laval	QC
3910	49	Water Treatment Plant – Rossdale	Edmonton	AB
4771	83	Water Treatment Plant – Skyway	Burlington	ON
4817	49	Water Treatment Plant – Ste-Rose	Laval	QC
4385	49	Water Treatment Plant – Ville de Longueuil	Longueuil	QC
4812	49	Water Treatment Plant – Ville de Pointe-Claire	Pointe-Claire	QC
4372	49	Water Treatment Plant – Ville de Québec	Quebec	QC
4816	49	Water Treatment Plant – Ville de Sainte-Foy	Sainte-Foy	QC
3668	41	Water Treatment Plant – Welland	Welland	ON
1338	41	Water Treatment Plant (Greater Vancouver Regional District) – Annacis Island	Delta	BC
1332	41	Water Treatment Plant (Greater Vancouver Regional District) – Capilano Chlorination	North Vancouver	BC
1336	41	Water Treatment Plant (Greater Vancouver Regional District) – Coquitlam Chlorination	Coquitlam	BC
1342	41	Water Treatment Plant (Greater Vancouver Regional District) – Lions Gate	West Vancouver	BC
1340	41	Water Treatment Plant (Greater Vancouver Regional District) – Lulu Island	Richmond	BC
1334	41	Water Treatment Plant (Greater Vancouver Regional District) – Seymour Chlorination	North Vancouver	BC
363	49	Water Treatment Plant (Japan Gulch) – Japan Gulch Chloramination Plant	Victoria	BC

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
2240	41	Water Treatment Plant (Municipality of Metro Toronto) – Main Treatment Plant	Toronto	ON
4728	49	Water Treatment Plant (Regional Municipality of Ottawa-Carleton) – Britannia WPP	Ottawa	ON
4754	49	Water Treatment Plant (Regional Municipality of Ottawa-Carleton) – Lemieux Island WPP	Ottawa	ON
2361	15	Waterville TG	Coaticook	QC
2360	15	Waterville TG	Waterville	QC
3956	15	Wegu Canada Inc.	Whitby	ON
2991	27	Weldwood of Canada, Hinton Division	Hinton	AB
2209	29	Welland Pipe Ltd.	Welland	ON
2380	39	Wescast Industries Inc.	Wingham	ON
2381	39	Wescast Industries Inc.	Brantford	ON
2364	10	West Coast Reduction Ltd.	Vancouver	BC
3553	36	West Hill Plant	Scarborough	ON
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	Prince George	BC
2586	25	Western Cleanwood Preservers Ltd.	Surrey	BC
2376	37	Western Co-operative Fertilizers Ltd.	Calgary	AB
2872	27	Western Pulp Limited. Partnership	Squamish	BC
2377	27	Western Pulp Limited. Partnership	Port Alice	BC
4303	32	Western Star Trucks Inc.	Kelowna	BC
2369	25	Western Wood Preservers Ltd.	Langley	BC
2372	06	Westmin Resources Ltd., Myra Falls	Campbell River	BC
971	33	Weyburn Plant	Weyburn	SK
2875	04	Weyerhaeuser Canada Ltd. – Grande Prairies / Grande Cache	Grande Prairie	AB
2924	27	Weyerhaeuser Canada Ltd. – Kamloops Pulp	Kamloops	BC
3610	27	Weyerhaeuser Saskatchewan Ltd., Prince Albert Pulp & Paper	Prince Albert	SK
3772	59	Wheat City Metals	Regina	SK
3197	06	Williams Operating Corp.	Marathon	ON
4758	37	Wilson Laboratories Inc.	Dundas	ON
2572	32	Windo-Motion	Newmarket	ON
968	33	Winnipeg Plant	Winnipeg	MB
2385	16	Winpak Ltd.	Winnipeg	MB
2878	27	Winpak Technologies Inc.	Toronto	ON
2891	37	Witco Canada Inc.	Oakville	ON
2715	29	Wolverine Tube (Canada) Inc.	Fergus	ON
2396	29	Wolverine Tube (Canada) Inc.	London	ON
2388	16	Woodbridge Foam Corp.	Woodbridge	ON
2386	16	Woodbridge Foam Corp.	Tilbury	ON
2927	16	Woodbridge Foam Corp.	Whitby	ON
4033	16	Woodbridge Foam Corp.	Richmond	BC
2390	16	Woodbridge Inoac Inc.	St. Marys	ON

NPRI ID no.	SIC code[2][3]	Facility name	City	Province
3867	37	Wyeth – Ayerst Canada Inc.	St-Laurent	QC
626	37	Wyeth – Ayerst Canada Inc., Ayerst Organics Division	Brandon	MB
4325	37	Xatec inc.	Tring-Junction	QC
1502	28	Yorkville Group (The) – Etobicoke Plant	Rexdale	ON
2481	16	ZCL Fibre de verre ltée	Drummondville	QC
2663	37	ZEP Manufacturing	Edmonton	AB
4579	37	ZEP Manufacturing Co. of Canada	Dorval	QC

Appendix 2 – Facilities with the highest on-site releases, by pollutant (tonnes)

Acetaldehyde

CAS# 75-07-0	Total releases: 289.411	No. of reports: 7						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1162	Celanese Canada Inc. – Edmonton Facility	Edmonton	AB	93.600	130.000	0.000	0.030	223.630
3793	Celanese Canada Inc. – Millhaven Plant	Ernestown	ON	32.326	0.000	0.000	0.000	32.326
3185	E.B. Eddy Forest Products Ltd.	Espanola	ON	18.439	0.000	0.000	0.000	18.439
2957	Tembec inc., Division Produits chimique alcool	Témiscaming	QC	0.000	0.000	13.200	0.000	13.200

Acetone

CAS# 67-64-1	Total releases: 4,397.210	No. of reports: 128						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1162	Celanese Canada Inc. – Edmonton Facility	Edmonton	AB	793.006	260.000	0.000	0.000	1,053.006
1168	Celanese Canada inc. – Drummondville	Drummondville	QC	733.000	0.000	0.000	0.000	733.000
4849	Tarxien Components Corp.	Concord	ON	364.800	0.000	0.000	0.000	364.800
2794	Endako, Mines Division	Endako	BC	270.991	0.000	0.000	0.000	270.991
3893	General Motors of Canada Ltd. – Autoplex Car Plant	Oshawa	ON	266.503	0.000	0.000	0.000	266.503
3870	General Motors of Canada Ltd. – Autoplex Truck Plant	Oshawa	ON	239.094	0.000	0.000	0.000	239.094
867	Merck Frosst Canada inc.	Kirkland	QC	98.000	0.000	0.000	0.000	98.000
4210	Velcro Canada Inc.	Brampton	ON	93.875	0.000	0.000	0.000	93.875
322	Produits chimiques Expro inc.	St-Timothée	QC	88.122	0.000	0.500	0.000	88.622
2181	St. Anne – Nackawic Pulp Co. Ltd.	Nackawic	NB	57.960	0.000	1.390	0.000	59.350

Acetonitrile

CAS# 75-05-8	Total releases: 79.055	No. of reports: 2						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1944	Bayer Rubber Inc.	Sarnia	ON	79.040	0.000	0.015	0.000	79.055

(1) Total releases may be greater than the sum of releases by environmental medium, since releases of less than one tonne could be reported as an undifferentiated total release.

Acrylamide								
CAS# 79-06-1	Total releases: 6.314	No. of reports: 8						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
4803	Produits forestiers Donohue inc.	Clermont	QC	0.000	0.000	5.700	0.000	5.700

Acrylonitrile								
CAS# 107-13-1	Total releases: 16.842	No. of reports: 8						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1944	Bayer Rubber Inc.	Sarnia	ON	12.974	0.000	0.000	0.000	12.974
1648	Monsanto Canada inc.	Lasalle	QC	2.043	0.000	0.520	0.000	2.563
2065	Rohm & Haas Canada Inc. – West Hill Plant	West Hill	ON	0.000	0.000	0.000	0.000	0.980

Aluminum (fume or dust)								
CAS# 7429-90-5	Total releases: 1,226.299	No. of reports: 34						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
4806	QIT/Fer et titane inc.	Tracy	QC	0.000	0.000	0.000	742.350	742.350
2799	Recyclage d'aluminium Québec inc.	Bécancour	QC	0.000	0.000	0.000	265.000	265.000
2801	Recyclage Côte-Nord inc.	Baie Comeau	QC	0.000	0.000	0.000	175.000	175.000
4204	Sydney Steel Corp.	Sydney	NS	0.000	0.000	0.000	15.500	15.500
2357	Wabash Alloys Ontario	Toronto	ON	7.795	0.000	0.000	0.000	7.795
2852	ICI Explosifs Canada	Brownsburg	QC	0.000	0.000	0.000	4.800	4.800
4416	Ford International Ensite Inc. – Windsor Aluminum Plant	Windsor	ON	3.539	0.000	0.000	0.000	3.539

Aluminum oxide (fibrous forms)								
CAS# 1344-28-1	Total releases: 6.324	No. of reports: 11						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
2211	Sternson Group (The)	Brantford	ON	3.000	0.000	0.000	0.000	3.000
1083	Produits American Biltrite ltée	Sherbrooke	QC	0.000	0.000	0.000	2.900	2.900

Ammonia (total) [2][3]								
CAS# N.A.	Total releases: 29,524.682	No. of reports: 224						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
2134	Sherritt Inc.	Redwater	AB	1,979.420	1,314.000	12.810	0.000	3,306.230
2960	Shell – Scotford Refinery	Fort Saskatchewan	AB	0.000	2,515.000	0.097	0.000	2,515.097
2132	Sherritt Inc.	Fort Saskatchewan	AB	2,152.115	0.000	165.490	1.270	2,318.875
3821	Canadian Fertilizers Ltd.	Medicine Hat	AB	2,218.909	0.000	25.663	0.000	2,244.572
1290	General Chemical Canada Ltd.	Amherstburg	ON	1,757.600	0.000	184.400	0.000	1,942.000
3269	Carseland Nitrogen Operations	Calgary	AB	1,919.450	0.000	0.000	0.500	1,919.950
3903	Petro-Canada – Edmonton Refinery	Edmonton	AB	0.000	1,660.300	0.600	0.000	1,660.900
2233	Terra Lambton Works	Courtright	ON	1,562.500	0.000	18.400	0.000	1,580.900
3802	Cominco Ltd. – Trail Operations	Trail	BC	780.900	0.000	500.400	0.000	1,281.300
2515	Simplot Canada Ltd.	Brandon	MB	963.933	0.000	5.000	12.700	981.633

Anthracene								
CAS# 120-12-7	Total releases: 2.506	No. of reports: 12						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
3713	Dofasco Inc.	Hamilton	ON	0.640	0.000	0.000	0.010	0.650
3903	Petro-Canada – Edmonton Refinery	Edmonton	AB	0.600	0.000	0.000	0.000	0.600

Antimony (and its compounds)								
CAS# N.A.	Total releases: 35.493	No. of reports: 32						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
3802	Cominco Ltd. – Trail Operations	Trail	BC	15.240	0.000	7.920	0.000	23.160
2355	VINTEX Inc.	Mount Forest	ON	0.100	0.000	0.000	3.000	3.100

(2) In 1994, the NPRI list included only ammonia, CAS# 7664-41-7, (26,465 tonnes – 161 reports). Ammonium nitrate, CAS# 6484-52-2, (1,900 tonnes – 22 reports) and ammonium sulphate, CAS# 7783-20-2, (1,193 tonnes – 19 reports) were reported separately. For 1995, these three substances were combined under "Ammonia (total)". Therefore, for comparison purposes between 1994 and 1995, the "Ammonia (total)" value for 1994 was 29,558 tonnes – 202 reports.
(3) Ammonia (total) means the total of both ammonia (NH_3) and ammonium ion (NH_4^+) in solution.

Antimony (and its compounds) – *continued*

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
4204	Sydney Steel Corp.	Sydney	NS	0.000	0.000	0.000	3.100	3.100
3623	Noranda – Fonderie Horne	Rouyn-Noranda	QC	2.230	0.000	0.000	0.000	2.230
2975	Techno caoutchouc inc.	Rock Forest	QC	2.000	0.000	0.000	0.000	2.000
956	Alcatel Canada Wire Inc. – Fergus Plant	Fergus	ON	0.000	0.000	0.000	0.000	0.500

Arsenic (and its compounds)

CAS# N.A. **Total releases: 3,709.649** **No. of reports: 42**

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
4221	Royal Oak Mines Inc. – Giant Mine	Yellowknife	NT	3.000	3,600.000	0.500	0.000	3,603.500
3623	Noranda – Fonderie Horne	Rouyn-Noranda	QC	34.500	0.000	0.600	0.000	35.100
3802	Cominco Ltd. – Trail Operations	Trail	BC	14.940	0.000	11.620	0.000	26.560
3385	Noranda inc. (Mines et exploration), Division mines Gaspé	Murdochville	QC	17.700	0.000	0.285	5.100	23.085
444	Inco Ltd. – Copper Cliff Smelter Compl.	Copper Cliff	ON	7.320	0.000	0.000	0.000	7.320
1473	Inco Ltd., Manitoba Division	Thompson	MB	4.490	0.000	0.972	0.000	5.462
4024	Brunswick Smelting	Belledune	NB	2.000	0.000	0.598	0.000	2.598
2710	Goldcorp Inc.	Balmertown	ON	0.074	0.000	2.126	0.000	2.200
1469	Inco Ltd. – Copper Refinery	Copper Cliff	ON	1.120	0.000	0.000	0.000	1.120
1467	Inco Ltd. – Nickel Refinery	Copper Cliff	ON	0.960	0.000	0.120	0.000	1.080

Asbestos (friable form)

CAS# 1332-21-4 **Total releases: 525.393** **No. of reports: 46**

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
3146	Dow Chemical Canada Inc.	Sarnia	ON	0.000	0.000	0.000	177.360	177.360
2284	Generating Plant – Sundance (Thermal)	Duffield	AB	0.000	0.000	0.000	149.000	149.000
2081	Power Station – Boundary Dam	Estevan	SK	0.000	0.000	0.000	97.727	97.727
1207	DuPont Canada Inc. – Maitland Site	Augusta	ON	0.000	0.000	0.000	42.500	42.500
2282	Generating Plant – Wabamun (Thermal)	Wabamun	AB	0.000	0.000	0.000	29.000	29.000
2230	Suncor Inc., Oil Sands Group	Fort McMurray	AB	0.000	0.000	0.000	20.000	20.000
4304	Westcoast Energy Inc. – Fort Nelson Gas Plant	Fort Nelson	BC	0.000	0.000	0.000	5.000	5.000
3171	Eurocan Pulp & Paper Co.	Kitimat	BC	0.000	0.000	0.000	3.000	3.000

Benzene								
CAS# 71-43-2	**Total releases: 2,210.884**	**No. of reports: 103**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3713	Dofasco Inc.	Hamilton	ON	457.760	0.000	0.007	0.050	457.817
2984	Stelco Hilton Works	Hamilton	ON	170.920	0.000	0.000	0.000	170.920
1944	Bayer Rubber Inc.	Sarnia	ON	167.127	0.000	0.004	0.000	167.131
1070	Algoma Steel Inc.	Sault Ste. Marie	ON	165.127	0.000	0.003	0.100	165.230
3855	Stelco Lake Erie Works	Nanticoke	ON	102.216	0.000	0.003	0.000	102.219
2230	Suncor Inc., Oil Sands Group	Fort McMurray	AB	87.100	0.000	0.000	0.000	87.100
683	Gas Plant – Kaybob South #3	Fox Creek	AB	73.950	0.000	0.000	0.000	73.950
1464	Imperial Oil, Chemical Division	Sarnia	ON	71.033	0.000	0.013	0.000	71.046
3962	Shell Canada Products Ltd. – SMC Refinery	Corunna	ON	70.246	0.000	0.035	0.012	70.293
3897	Petro-Canada – Raffinerie de Montreal	Montreal	QC	68.946	0.000	0.249	0.000	69.195

Biphenyl								
CAS# 92-52-4	**Total releases: 15.311**	**No. of reports: 14**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3422	DuPont Canada Inc. – Kingston Site	Kingston	ON	6.700	0.000	0.060	0.000	6.760
4700	Novacor Chemicals Ltd. – St. Clair Site	Corunna	ON	4.000	0.000	0.000	0.000	4.000
3897	Petro-Canada – Raffinerie de Montreal	Montreal	QC	1.462	0.000	0.000	0.000	1.462
3899	Petro-Canada Lubricant Center	Mississauga	ON	1.320	0.000	0.000	0.000	1.320
3793	Celanese Canada Inc. – Millhaven Plant	Ernestown	ON	0.941	0.000	0.000	0.059	1.000

***Bis*(2-ethylhexyl) adipate**								
CAS# 103-23-1	**Total releases: 60.728**	**No. of reports: 42**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
87	Accuflex Industrial Hose Ltd.	Guelph	ON	0.000	0.000	0.000	1.176	1.176

***Bis*(2-ethylhexyl) phthalate**								
CAS# 117-81-7	**Total releases: 59.329**	**No. of reports: 30**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
2975	Techno caoutchouc inc.	Rock Forest	PQ	19	0	0	0	19
1083	Produits American Biltrite ltée	Sherbrooke	PQ	3.6	0	0	14.3	17.9

Bis*(2-ethylhexyl) phthalate – *continued

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
87	Accuflex Industrial Hose Ltd.	Guelph	ON	0	0	0	11.338	11.338
3787	Kuriyama Canada Inc.	Brantford	ON	0	0	0	7	7
2420	Domco ltée (Les Industries)	Farnham	PQ	1.989	0	0	0	1.989

Bromomethane

CAS# 74-83-9	Total releases: 10.698	No. of reports: 1						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases [1]**
4722	Borden Foods Canada	Montreal	QC	10.698	0.000	0.000	0.000	10.698

1,3-Butadiene

CAS# 106-99-0	Total releases: 225.832	No. of reports: 14						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases [1]**
1944	Bayer Rubber Inc.	Sarnia	ON	179.829	0.000	0.058	0.000	179.887
1776	Novacor Chemicals Ltd. – Corunna Site	Corunna	ON	16.200	0.000	0.000	0.000	16.200
1779	Novacor Chemicals Ltd. – Joffre Site	Red Deer	AB	11.360	0.000	0.000	0.002	11.362
3634	Pétromont (Societé en commandite)	Varennes	QC	6.778	0.000	0.000	0.000	6.778
280	Dow Chemical Canada Inc. – Western Canada Operations	Fort Saskatchewan	AB	6.640	0.000	0.000	0.000	6.640

***i*-Butyl alcohol**

CAS# 78-83-1	Total releases: 154.832	No. of reports: 29						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases [1]**
3893	General Motors of Canada Ltd. – Autoplex, Car Plant	Oshawa	ON	60.210	0.000	0.000	0.000	60.210
3870	General Motors of Canada Ltd. – Autoplex, Truck Plant	Oshawa	ON	40.195	0.000	0.000	0.000	40.195
4173	Chrysler Canada Ltd. – Bramalea Assembly Plant	Bramalea	ON	17.700	0.000	0.000	0.000	17.700
1866	DeFehr Division	Winnipeg	MB	13.448	0.000	0.000	0.000	13.448
4774	Butcher Engineering Enterprises Ltd. (The)	Brampton	ON	11.000	0.000	0.000	0.000	11.000
4732	Canac Kitchens Ltd.	Thornhill	ON	3.783	0.000	0.000	0.000	3.783
31	BASF Canada Inc.	Windsor	ON	2.900	0.000	0.000	0.000	2.900
4430	Volkswagen Canada	Barrie	ON	1.600	0.000	0.000	0.000	1.600
1648	Monsanto Canada inc.	Lasalle	QC	0.015	0.000	0.972	0.000	0.987
3456	SICO – Longueuil	Longueuil	QC	0.547	0.000	0.000	0.000	0.547

***n*-Butyl alcohol**

CAS# 71-36-3	Total releases: 1,278.412	No. of reports: 85						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3893	General Motors of Canada Ltd. – Autoplex, Car Plant	Oshawa	ON	171.962	0.000	0.000	0.000	171.962
3870	General Motors of Canada Ltd. – Autoplex, Truck Plant	Oshawa	ON	147.058	0.000	0.000	0.000	147.058
538	Crown Cork & Seal Canada Inc. – Plant 245	Weston	ON	87.964	0.000	0.000	0.000	87.964
3116	Ball Packaging Products Canada Inc.	Whitby	ON	87.739	0.000	0.000	0.000	87.739
1105	AT Plastics Inc.	Brampton	ON	87.000	0.000	0.000	0.000	87.000
3419	Ford Motor Co. Canada Ltd. – Oakville Assembly Plant	Oakville	ON	86.430	0.000	0.000	0.000	86.430
3883	Ford Motor Co. Ltd. – St. Thomas Assembly Plant	St. Thomas	ON	84.510	0.000	0.000	0.000	84.510
557	Crown Cork & Seal Canada Inc. – Plant 235	Calgary	AB	70.172	0.000	0.000	0.000	70.172
3213	Crown Cork & Seal Canada – Plant 233	Concord	ON	63.102	0.000	0.000	0.000	63.102
1215	Ford Motor Co. Ltd., Ontario Truck	Oakville	ON	41.232	0.000	0.000	0.000	41.232

***sec*-Butyl alcohol**

CAS# 78-92-2	Total releases: 17.099	No. of reports: 3						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
4774	Butcher Engineering Enterprises Ltd. (The)	Brampton	ON	17.000	0.000	0.000	0.000	17.000

***tert*-Butyl alcohol**

CAS# 75-65-0	Total releases: 145.671	No. of reports: 3						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
1162	Celanese Canada Inc. – Edmonton Facility	Edmonton	AB	8.138	95.000	0.000	0.002	103.140
1944	Bayer Rubber Inc.	Sarnia	ON	42.340	0.000	0.132	0.000	42.472

Butyl benzyl phthalate

CAS# 85-68-7	Total releases: 6.533	No. of reports: 12						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
2420	Domco ltée (Les Industries)	Farnham	QC	4.320	0.000	0.000	0.000	4.320
4708	Bay Mills Ltd., Bayex Division	St. Catharines	ON	2.100	0.000	0.000	0.000	2.100

Cadmium (and its compounds)

CAS# N.A.	Total releases: 47.553	No. of reports: 18						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
4204	Sydney Steel Corp.	Sydney	NS	0.000	0.000	0.000	18.200	18.200
3802	Cominco Ltd. – Trail Operations	Trail	BC	4.940	0.000	2.360	0.000	7.300
3824	Co-Steel Lasco	Whitby	ON	0.031	0.000	0.002	6.600	6.633
3414	Hudson Bay Mining and Smeting Co., Ltd. – Metallurgical Complex	Flin Flon	MB	5.969	0.000	0.000	0.000	5.969
3623	Noranda – Fonderie Horne	Rouyn-Noranda	QC	3.900	0.000	0.100	0.000	4.000
4024	Brunswick Smelting	Belledune	NB	1.700	0.000	0.980	0.000	2.680
2938	CEZinc (zinc électrolytique du Canada ltée)	Salaberry-de-Valleyfield	QC	0.000	0.000	0.000	0.000	0.912
2815	Kidd Metallurgical Site	Hoyle	ON	0.567	0.000	0.138	0.000	0.705
3385	Noranda inc. (Mines et exploration), Division mines Gaspé	Murdochville	QC	0.220	0.000	0.200	0.200	0.620

Carbon disulphide

CAS# 75-15-0	Total releases: 3,704.167	No. of reports: 19						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
4138	Amoco Canada – West Whitecourt Plant	Whitecourt	AB	1,287.000	0.000	0.000	0.000	1,287.000
2119	Shell Canada Ltd. – Jumping Pound Complex	Calgary	AB	610.000	0.000	0.000	0.000	610.000
4150	Amoco Canada – Kaybob South Gas Plant	Fox Creek	AB	449.000	0.000	0.000	0.000	449.000
4140	Amoco Canada – East Crossfield Gas Plant	Crossfield	AB	337.000	0.000	0.000	0.000	337.000
2108	Shell Canada Ltd. – Waterton Complex	Pincher Creek	AB	271.750	0.000	0.000	0.000	271.750
2781	Gas Plant – Shell Burnt Timber Gas Plant	Didsbury	AB	269.400	0.000	0.000	0.000	269.400
407	Gas Plant – Ram River	Rocky Mountain House	AB	168.100	0.000	0.000	0.000	168.100
4152	Amoco Canada – West Pembina Gas Plant	Drayton Valley	AB	119.000	0.000	0.000	0.000	119.000
4157	Amoco Canada – Steelman Gas Plant	Estevan	SK	99.000	0.000	0.000	0.000	99.000
1374	Gulf – Strachan Gas Plant	Rocky Mountain House	AB	37.763	0.000	0.000	0.000	37.763

Carbon tetrachloride

CAS# 56-23-5	Total releases: 8.280	No. of reports: 6						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3438	Cornwall Chemicals Ltd.	Cornwall	ON	5.613	0.000	2.129	0.000	7.742
4520	DDM Plastics Inc.	Tillsonburg	ON	0.000	0.000	0.000	0.000	0.511

Chlorine

CAS# 7782-50-5	Total releases: 1,405.075	No. of reports: 188						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3610	Weyerhaeuser Saskatchewan Ltd., Pulp & Paper	Prince Albert	SK	219.532	0.000	0.000	0.000	219.532
2158	Skeena Cellulose Pulp Operations	Prince Rupert	BC	218.000	0.000	0.000	0.000	218.000
4743	Water Treatment Plant – Greenway Pollution Control Centre	London	ON	0.000	0.000	112.266	0.000	112.266
1617	Repap NB Inc. – Kraft Pulp & Paper Mill	Miramichi	NB	84.190	0.000	0.000	0.000	84.190
2181	St. Anne – Nackawic Pulp Co. Ltd.	Nackawic	NB	77.550	0.000	0.000	0.000	77.550
815	Kimberly – Clark Nova Scotia	New Glasgow	NS	77.500	0.000	0.000	0.000	77.500
3140	Cartons St-Laurent inc.	La Tuque	QC	70.692	0.000	0.000	0.000	70.692
2607	Kimberly Clark Forest Products, Inc.	Terrace Bay	ON	53.040	0.000	0.000	0.000	53.040
930	Avenor Inc.	Thunder Bay	ON	44.830	0.000	0.000	0.000	44.830
1197	Domtar Specialty Fine Papers	Cornwall	ON	43.000	0.000	0.000	0.000	43.000

Chlorine dioxide

CAS# 10049-04-4	Total releases: 1,065.655	No. of reports: 48						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1528	James MacLaren inc. (Industries)	Thurso	QC	118.920	0.000	0.000	0.000	118.920
2158	Skeena Cellulose Pulp Operations	Prince Ruper	BC	103.000	0.000	0.000	0.000	103.000
1197	Domtar Specialty Fine Papers	Cornwall	ON	83.000	0.000	0.000	0.000	83.000
2181	St. Anne – Nackawic Pulp Co. Ltd.	Nackawic	NB	77.550	0.000	0.000	0.000	77.550
2604	Irving Pulp and Paper / Irving Tissue Co.	Saint John	NB	70.714	0.000	0.000	0.000	70.714
1617	Repap NB Inc. – Kraft Pulp & Paper Mill	Miramichi	NB	61.250	0.000	0.000	0.000	61.250
815	Kimberly-Clark Nova Scotia	New Glasgow	NS	49.950	0.000	0.000	0.000	49.950
930	Avenor Inc.	Thunder Bay	ON	45.630	0.000	0.000	0.000	45.630
2924	Weyerhaeuser Canada Ltd. – Kamloops Pulp	Kamloops	BC	40.330	0.000	0.000	0.000	40.330
1797	Northwood Pulp and Timber Ltd.	Prince George	BC	35.000	0.000	0.000	0.000	35.000

Chloroethane

CAS# 75-00-3	Total releases: 183.540	No. of reports: 5						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
281	Dow Chemical Canada inc.	Varennes	QC	73.290	0.000	0.000	0.000	73.290
282	Dow Chemical Canada Inc.	Weston	ON	62.038	0.000	0.000	0.000	62.038
280	Dow Chemical Canada Inc. – Western Canada Operations	Fort Saskatchewan	AB	48.112	0.000	0.000	0.000	48.112

Chloroform								
CAS# 67-66-3	**Total releases: 238.583**	**No. of reports: 9**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
223	Daishow Marubeni, Peace River Pulp Division	Peace River	AB	88.940	0.000	2.230	0.000	91.170
3185	E.B. Eddy Forest Products Ltd.	Espanola	ON	44.406	0.000	0.500	0.000	44.906
1797	Northwood Pulp and Timber Ltd.	Prince George	BC	35.000	0.000	0.000	0.000	35.000
2181	St. Anne – Nackawic Pulp Co. Ltd.	Nackawic	NB	31.100	0.000	1.400	0.000	32.500
279	Norkraft Quevillon Inc.	Lebel-sur-Quevillon	QC	28.900	0.000	0.000	0.000	28.900
1221	Fraser Inc.	Edmundston	NB	6.070	0.000	0.000	0.000	6.070

Chloromethane								
CAS# 74-87-3	**Total releases: 970.846**	**No. of reports: 3**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
1944	Bayer Rubber Inc.	Sarnia	ON	970.780	0.000	0.066	0.000	970.846

Chromium (and its compounds)								
CAS# N.A.	**Total releases: 703.256**	**No. of reports: 210**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
4371	Fonderies Canadiennes d'acier ltée	Montreal	QC	0.100	0.000	0.000	290.000	290.100
4806	QIT/Fer et titane inc.	Tracy	QC	0.000	0.000	0.000	159.030	159.030
3158	Atlas Specialty Steels	Welland	ON	0.222	0.000	0.200	58.000	58.422
3824	Co-Steel Lasco	Whitby	ON	0.108	0.000	0.015	42.700	42.823
1861	Generating Station – Nanticoke	Nanticoke	ON	0.488	0.000	0.000	18.053	18.541
2181	St. Anne – Nackawic Pulp Co. Ltd.	Nackawic	NB	0.000	0.000	6.920	10.690	17.610
3953	Aciers inoxydables Atlas	Tracy	QC	0.470	0.000	14.770	0.000	15.240
3649	Sidbec Dosco (ISPAT) inc. – Aciérie	Contrecoeur	QC	0.789	0.000	0.000	12.340	13.129
1809	Generating Station – Ontario Hydro (Lambton)	Courtright	ON	0.230	0.000	0.041	12.030	12.301
1106	AltaSteel Ltd.	Edmonton	AB	0.264	0.000	0.001	10.994	11.259

Cobalt (and its compounds)								
CAS# N.A.	Total releases: 29.127	No. of reports: 25						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1471	Inco Ltd. – Port Colborne Refinery	Port Colborne	ON	0.227	0.000	0.237	8.970	9.434
444	Inco Ltd. – Copper Cliff Smelter Compl.	Copper Cliff	ON	5.640	0.000	0.000	0.000	5.640
1467	Inco Ltd. – Nickel Refinery	Copper Cliff	ON	5.000	0.000	0.130	0.000	5.130
1207	DuPont Canada Inc. – Maitland Site	Augusta	ON	4.450	0.000	0.000	0.000	4.450
1473	Inco Ltd., Manitoba Division	Thompson	MB	1.750	0.000	0.525	0.000	2.275
2132	Sherritt Inc.	Fort Saskatchewan	AB	0.500	0.000	0.550	0.005	1.055
1236	Falconbridge Ltd. – Smelter Complex	Falconbridge	ON	0.469	0.000	0.238	0.000	0.707

Copper (and its compounds)								
CAS# N.A.	Total releases: 14,261.558	No. of reports: 264						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1127	BHP Minerals Canada Ltd. – Island Copper Mine	Port Hardy	BC	0.000	0.000	12,000.000	0.000	12,000.000
3824	Co-Steel Lasco	Whitby	ON	0.167	0.000	0.041	1,130.000	1,130.208
3802	Cominco Ltd. – Trail Operations	Trail	BC	0.510	0.000	323.690	0.000	324.200
3623	Noranda – Fonderie Horne	Rouyn-Noranda	QC	133.000	0.000	2.000	0.000	135.000
444	Inco Ltd. – Copper Cliff Smelter Compl.	Copper Cliff	ON	107.040	0.000	0.000	0.000	107.040
4806	QIT/Fer et titane inc.	Tracy	QC	0.000	0.000	0.000	75.060	75.060
3414	Hudson Bay Mining and Smeting Co., Ltd. – Metallurgical Complex	Flin Flon	MB	61.806	0.000	0.138	0.000	61.944
3655	Sidbec-Feruni (Ispat) inc.	Contrecoeur	QC	0.000	0.000	0.000	60.000	60.000
3161	Nuclear Generating Station, Pickering Nuclear Division	Pickering	ON	0.000	0.000	45.400	0.000	45.400
2815	Kidd Metallurgical Site	Hoyle	ON	44.377	0.000	0.209	0.000	44.586

Cresol (mixed isomers and their salts)								
CAS# 1319-77-3	Total releases: 2.300	No. of reports: 4						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
953	Simcoe Plant – Alcatel Canada Wire Inc.	Simcoe	ON	2.000	0.000	0.000	0.000	2.000

Cumene								
CAS# 98-82-8	**Total releases: 24.473**	**No. of reports: 16**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
4048	Consumers' Co-operative Refineries Ltd./Newgrade Energy Inc.	Regina	SK	9.039	0.000	0.000	0.000	9.039
3704	Imperial Oil – Sarnia Refinery	Sarnia	ON	3.233	0.000	0.000	0.000	3.233
2274	Syncrude Canada Ltd.	Fort McMurray	AB	2.360	0.000	0.000	0.042	2.402
3698	Imperial Oil – Dartmouth Refinery	Dartmouth	NS	2.170	0.000	0.030	0.000	2.200
3710	Imperial Oil – Ioco Refinery	Port Moody	BC	2.080	0.000	0.000	0.000	2.080
3701	Imperial Oil – Nanticoke Refinery	Jarvis	ON	1.260	0.000	0.000	0.000	1.260
3707	Imperial Oil – Strathcona Refinery	Edmonton	AB	0.910	0.030	0.000	0.000	0.940
3127	Shell Canada ltée (Les produits)	Montreal	QC	1.130	0.000	0.000	0.000	1.130
3962	Shell Canada Products Ltd. – SMC Refinery	Corunna	ON	0.000	0.000	0.000	0.000	0.900
3071	Sunoco Inc. – Sarnia Refinery	Sarnia	ON	0.670	0.000	0.000	0.000	0.670

Cyanides (ionic)								
CAS# N.A.	**Total releases: 72.730**	**No. of reports: 37**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
1400	Hemlo Gold Mines Inc. – Golden Giant Mine	Marathon	ON	60.600	0.000	0.034	0.000	60.634
1070	Algoma Steel Inc.	Sault Ste. Marie	ON	0.000	0.000	3.271	0.000	3.271
2710	Goldcorp Inc.	Balmertown	ON	0.630	0.000	1.311	0.000	1.941
1935	Placer Dome Canada – Campbell Mine	Balmertown	ON	0.000	0.000	1.193	0.000	1.193
2794	Endako, Mines Division	Endako	BC	0.000	0.000	0.895	0.000	0.895
99	Mines Agnico (Les), Eagle Division Laronde	Cadillac	QC	0.000	0.000	0.700	0.000	0.700
1941	Placer Dome Canada Ltd. – Dome Mine	South Porcupine	ON	0.000	0.000	0.513	0.000	0.513
3197	Williams Operating Corp.	Marathon	ON	0.000	0.000	0.500	0.000	0.500

Cyclohexane								
CAS# 110-82-7	**Total releases: 2,996.291**	**No. of reports: 79**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
4700	Novacor Chemicals Ltd.- St. Clair Site	Corunna	ON	2,010.000	0.000	0.760	0.000	2,010.760
1944	Bayer Rubber Inc.	Sarnia	ON	468.843	0.000	0.000	0.000	468.843
1207	DuPont Canada Inc. – Maitland Site	Augusta	ON	122.400	0.000	0.000	0.000	122.400
4150	Amoco Canada – Kaybob South Gas Plant	Fox Creek	AB	74.570	0.000	0.000	0.037	74.607

Cyclohexane – *continued*

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
2230	Suncor Inc., Oil Sands Group	Fort McMurray	AB	62.600	0.000	0.000	0.000	62.600
4048	Consumers' Co-operative Refineries Ltd./Newgrade Energy Inc.	Regina	SK	36.794	0.000	0.000	0.000	36.794
3704	Imperial Oil – Sarnia Refinery	Sarnia	ON	16.850	0.000	0.000	0.000	16.850
3928	Ultramar Canada inc.	Lévis	QC	16.210	0.000	0.000	0.000	16.210
2274	Syncrude Canada Ltd.	Fort McMurray	AB	14.266	0.000	0.000	0.000	14.266
405	Prince George Refinery	Prince George	BC	14.180	0.000	0.000	0.000	14.180

Dibutyl phthalate

CAS# 84-74-2	Total releases: 11.180	No. of reports: 13						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
1207	DuPont Canada Inc. – Maitland Site	Augusta	ON	10.500	0.000	0.000	0.000	10.500

***p*-Dichlorobenzene**

CAS# 106-46-7	Total releases: 9.864	No. of reports: 4						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
787	Napierville Refineries Inc.	Napierville	QC	9.364	0.000	0.000	0.000	9.764

1,2-Dichloroethane

CAS# 107-06-2	Total releases: 6.168	No. of reports: 4						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
280	Dow Chemical Canada Inc. – Western Canada Operations	Fort Saskatchewan	AB	4.009	0.000	0.030	0.040	4.079
4646	Dow Chemical Canada Inc. – West Coast Distribution Centre	North Vancouver	BC	1.561	0.000	0.368	0.000	1.929

Dichloromethane

CAS# 75-09-2	Total releases: 2,206.620	No. of reports: 56						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
2469	Novopharm Ltd.	Scarborough	ON	418.410	0.000	0.000	0.000	418.410
4428	Valle Foam Industries Inc.	Brampton	ON	231.460	0.000	0.000	0.000	231.460
4552	Vitafoam Products Canada Ltd.	Downsview	ON	212.650	0.000	0.000	0.000	212.650

Dichloromethane – *continued*

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
2567	Carpenter Canada Ltd.	Woodbridge	ON	196.500	0.000	0.000	0.000	196.500
2601	Domfoam International Inc.	St-Léonard	QC	195.430	0.000	0.000	0.000	195.430
2422	Foamex Canada Inc.	Toronto	ON	141.100	0.000	0.000	0.000	141.100
4429	Valle Foam Industries	Brampton	ON	99.850	0.000	0.000	0.000	99.850
3573	Mirolin	Toronto	ON	84.320	0.000	0.000	0.000	84.320
152	Carpenter Canada Ltd.	Calgary	AB	76.000	0.000	0.000	0.000	76.000
2472	Novopharm Ltd.	Markham	ON	72.981	0.000	0.000	0.000	72.981

Diethanolamine (and its salts)

CAS# 111-42-2	Total releases: 681.378	No. of reports: 74						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
683	Gas Plant – Kaybob South #3	Fox Creek	AB	0.000	208.000	0.000	0.000	208.000
407	Gas Plant – Ram River	Rocky Mountain House	AB	0.000	122.250	0.000	0.000	122.250
2229	Sulconam inc.	Montreal	QC	0.000	0.000	0.000	80.000	80.000
4138	Amoco Canada – West Whitecourt Plant	Whitecourt	AB	0.000	59.000	0.000	0.050	59.050
3752	Petro-Canada Empress	Burstall	SK	1.100	44.000	0.000	0.000	45.100
4150	Amoco Canada – Kaybob South Gas Plant	Fox Creek	AB	4.156	0.000	0.000	37.406	41.562
1902	Gas Plant – Balzac	Balzac	AB	1.250	25.666	0.000	0.000	26.916
3928	Ultramar Canada inc.	Lévis	QC	0.000	0.000	24.260	0.000	24.260
2134	Sherritt Inc.	Redwater	AB	17.170	0.100	0.000	0.000	17.270
3758	Petro-Canada Hanlan-Robb	Edson	AB	0.000	8.800	0.000	0.000	8.800

2,4-Dinitrotoluene

CAS# 121-14-2	Total releases: 0.700	No. of reports: 1						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
322	Produits chimiques Expro inc.	St-Timothée	QC	0.000	0.000	0.000	0.000	0.700

1,4-Dioxane

CAS# 123-91-1	Total releases: 8.005	No. of reports: 4						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3793	Celanese Canada Inc. – Millhaven Plant	Ernestown	ON	1.861	0.000	4.764	0.000	6.625
4520	DDM Plastics Inc.	Tillsonburg	ON	0.946	0.000	0.000	0.000	0.946

Epichlorohydrin								
CAS# 106-89-8	**Total releases: 1.133**	**No. of reports: 3**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
2975	Techno caoutchouc inc.	Rock Forest	QC	1.000	0.000	0.000	0.000	1.000

2-Ethoxyethanol								
CAS# 110-80-5	**Total releases: 8.104**	**No. of reports: 6**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
1863	Packall Packaging Inc.	Mississauga	ON	8.000	0.000	0.000	0.000	8.000

2-Ethoxyethyl acetate								
CAS# 111-15-9	**Total releases: 4.447**	**No. of reports: 7**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3213	Crown Cork & Seal Canada – Plant 233	Concord	ON	3.266	0.000	0.000	0.000	3.266
4732	Canac Kitchens Ltd.	Thornhill	ON	0.873	0.000	0.000	0.000	0.873

Ethyl acrylate								
CAS# 140-88-5	**Total releases: 1.090**	**No. of reports: 7**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
2065	Rohm & Haas Canada Inc. – West Hill Plant	West Hill	ON	0.000	0.000	0.000	0.000	0.630

Ethylbenzene								
CAS# 100-41-4	**Total releases: 680.131**	**No. of reports: 84**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
2176	Standard Products (Canada) Ltd. – Rubber Plant #1	Stratford	ON	169.813	0.000	0.000	0.000	169.813
3883	Ford Motor Co. Ltd. – St. Thomas Assembly Plant	St. Thomas	ON	71.489	0.000	0.000	0.000	71.489
3419	Ford Motor Co. Canada Ltd. – Oakville Assembly Plant	Oakville	ON	41.202	0.000	0.000	0.000	41.202
2656	Pebra Inc.	Peterborough	ON	37.760	0.000	0.000	0.000	37.760
397	Honda of Canada Mfg.	Alliston	ON	29.000	0.000	0.000	0.000	29.000
3698	Imperial Oil – Dartmouth Refinery	Dartmouth	NS	20.390	0.000	0.040	0.000	20.430
1785	Novacor Chemicals – Sarnia Site	Sarnia	ON	19.800	0.000	0.000	0.000	19.800

Ethylbenzene – *continued*

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
2963	Styrene Monomer Manufacturing Plant	Fort Saskatchewan	AB	16.852	0.000	0.000	0.007	16.859
3071	Sunoco Inc. – Sarnia Refinery	Sarnia	ON	15.230	0.000	0.000	0.130	15.360
3146	Dow Chemical Canada Inc.	Sarnia	ON	14.728	0.000	0.009	0.000	14.737

Ethylene

CAS# 74-85-1	Total releases: 2,388.667	No. of reports: 43						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases [1]**
3635	Pétromont (Societé en commandite)	Montreal	QC	350.611	0.000	0.000	0.000	350.611
1464	Imperial Oil, Chemical Division	Sarnia	ON	250.655	0.000	0.000	0.000	250.655
2316	Union Carbide Canada Inc.	Red Deer	AB	228.154	0.000	0.000	0.000	228.154
3146	Dow Chemical Canada Inc.	Sarnia	ON	218.403	0.000	0.000	0.000	218.403
1788	Nova Chemicals Ltd. – Moore Plant	Sarnia	ON	218.100	0.000	0.000	0.000	218.100
3634	Pétromont (Societé en commandite)	Varennes	QC	152.455	0.000	0.000	0.000	152.455
1779	Novacor Chemicals Ltd. – Joffre Site	Red Deer	AB	144.600	0.000	0.000	0.000	144.600
280	Dow Chemical Canada Inc. – Western Canada Operations	Fort Saskatchewan	AB	128.352	0.000	0.000	0.000	128.352
126	AT Plastics Inc.	Edmonton	AB	113.190	0.000	0.000	0.000	113.190
1776	Novacor Chemicals Ltd. – Corunna Site	Corunna	ON	81.000	0.000	0.000	0.000	81.000

Ethylene glycol

CAS# 107-21-1	Total releases: 4,429.104	No. of reports: 232						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases [1]**
4451	Airport (International) Toronto – Canadian Airlines	Mississauga	ON	0.000	0.000	0.000	495.870	495.870
2316	Union Carbide Canada Inc.	Red Deer	AB	420.140	0.000	0.000	0.000	420.140
1026	Airport (International) Toronto – Air Canada	Mississauga	ON	0.000	0.000	0.000	378.678	378.678
1010	Airport Dorval – Air Canada	Dorval	QC	0.000	0.000	0.000	377.738	377.738
4138	Amoco Canada – West Whitecourt Plant	Whitecourt	AB	0.000	223.000	0.000	0.000	223.000
1006	Airport (International) Ottawa – Air Canada	Gloucester	ON	0.000	0.000	0.000	171.766	171.766
1427	Airport (International) Toronto – Hudson General Aviation Services Inc.	Mississauga	ON	0.000	0.000	0.000	149.000	149.000
4455	Airport (International) Edmonton – Canadian Airlines	Edmonton	AB	0.000	0.000	0.000	132.260	132.260
4454	Airport Dorval – Canadian Airlines	Dorval	QC	0.000	0.000	0.000	125.470	125.470
1008	Airport (International) Mirabel – Air Canada	Mirabel	QC	0.000	0.000	0.000	125.262	125.262

Ethylene oxide								
CAS# 75-21-8	**Total releases: 26.204**	**No. of reports: 11**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases [1]**
2996	Rhône-Poulenc inc	Valleyfield	QC	6.292	0.000	0.000	0.000	6.292
280	Dow Chemical Canada Inc. – Western Canada Operations	Fort Saskatchewan	AB	6.060	0.000	0.000	0.000	6.060
2316	Union Carbide Canada Inc.	Red Deer	AB	4.576	0.000	0.000	0.000	4.576
800	Rhone-Poulenc Specialty Chemicals Ltd.	Mississauga	ON	3.941	0.000	0.000	0.000	3.941
1436	Huntsman Corp.	Guelph	ON	2.356	0.000	0.000	0.000	2.356
3146	Dow Chemical Canada Inc.	Sarnia	ON	1.578	0.000	0.000	0.000	1.578
3511	Air liquide – Usine de gaz spéciaux	Bramalea	ON	1.283	0.000	0.000	0.000	1.283

Formaldehyde								
CAS# 50-00-0	**Total releases: 1,205.794**	**No. of reports: 91**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases [1]**
2752	Corp. Stone Consolidated, Division Belgo	Shawinigan	QC	0.097	0.000	147.300	0.000	147.397
2636	Stone-Consolidated Corp.	La Baie	QC	0.500	0.000	129.000	0.000	129.500
2762	Edson O.S.B. Mill	Edson	AB	116.200	0.000	0.000	0.000	116.200
2760	Drayton Valley O.S.B. Mill	Drayton Valley	AB	97.800	0.000	0.000	0.000	97.800
4386	Malette Québec inc.	St-Georges-de- Champlain	QC	96.380	0.000	0.000	0.000	96.380
758	Uniboard Canada inc., Division Mont-Laurier	Mont-Laurier	QC	69.437	0.000	0.000	0.000	69.437
1162	Celanese Canada Inc. – Edmonton Facility	Edmonton	AB	23.115	39.000	0.000	0.010	62.125
2764	Slave Lake O.S.B. Mill	Slave Lake	AB	51.800	0.000	0.000	0.000	51.800
1648	Monsanto Canada inc.	Lasalle	QC	0.015	0.000	45.859	0.000	45.874
1858	Owens – Corning Canada	Candiac	QC	37.133	0.000	0.000	0.000	37.133

Hydrazine (and its salts)								
CAS# 302-01-2	**Total releases: 1.583**	**No. of reports: 6**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases [1]**
3808	Ontario Hydro, Bruce Nuclear Power Development	Bruce	ON	0.009	0.000	1.195	0.000	1.204

Hydrochloric acid

CAS# 7647-01-0	Total releases: 4,544.261	No. of reports: 227						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1861	Generating Station – Nanticoke	Nanticoke	ON	2,042.200	0.000	0.000	0.000	2,042.200
2844	Generating Station – Ontario Hydro (Lakeview)	Mississauga	ON	537.500	0.000	0.000	0.000	537.500
1944	Bayer Rubber Inc.	Sarnia	ON	377.000	0.000	0.000	0.000	377.000
1809	Generating Station – Ontario Hydro (Lambton)	Courtright	ON	246.000	0.000	0.000	0.000	246.000
1042	Alberta Special Waste Treatment Centre	Swan Hills	AB	1.800	143.500	0.000	0.000	145.300
2978	Alcan – Usine Vaudreuil	Jonquière	QC	99.100	0.000	0.000	0.000	99.100
1	Pacific Forest Industries Inc.	Boyle	AB	93.620	0.000	0.000	0.000	93.620
3238	Generating Station – Atikokan	Atikokan	ON	73.900	0.000	0.000	0.000	73.900
930	Avenor Inc.	Thunder Bay	ON	66.920	0.000	0.000	0.000	66.920
333	Fletcher Challenge Canada Ltd. – Elk Falls Mill	Campbell River	BC	58.000	0.000	0.310	0.000	58.310

Hydrogen fluoride

CAS# 7664-39-3	Total releases: 1,827.889	No. of reports: 38						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
2788	Alcan Smelters and Chemicals Ltd.	Kitimat	BC	415.000	0.000	0.000	0.000	415.000
2038	Reynolds (Société Canadienne de métaux)	Baie-Comeau	QC	361.224	0.000	0.000	0.000	361.224
3406	Alcan – Usine Arvida	Jonquière	QC	209.920	0.000	0.000	0.000	209.920
1071	Aluminerie de Bécancour inc.	Bécancour	QC	204.000	0.000	0.000	0.000	204.000
4782	Aluminerie Lauralco. inc.	Deschambault	QC	116.190	0.000	0.000	0.000	116.190
1861	Generating Station – Nanticoke	Nanticoke	ON	100.500	0.000	0.000	0.000	100.500
4778	Aluminerie Alouette inc.	Sept-Iles	QC	84.200	0.000	0.000	0.000	84.200
3060	Alcan (Société d'électrolyse et de chimie) – Usine Laterrière	Laterrière	QC	70.400	0.000	0.000	0.000	70.400
3062	Alcan – Usine Grande-Baie	La Baie	QC	54.020	0.000	0.000	0.000	54.020
3054	Alcan – Usine Isle-Maligne	Alma	QC	44.600	0.000	0.000	0.000	44.600

Isopropyl alcohol

CAS# 67-63-0	Total releases: 2,108.480	No. of reports: 195						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3893	General Motors of Canada Ltd. – Autoplex Car Plant	Oshawa	ON	137.838	0.000	0.000	0.000	137.838
2125	Shell Canada Chemical Co.	Corunna	ON	124.450	0.000	0.000	0.000	124.450

Isopropyl alcohol – *continued*

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
371	Graphic Packaging Canada Corp.	Richmond	BC	124.000	0.000	0.000	0.000	124.000
577	Dextran Products Ltd.	Scarborough	ON	105.000	0.000	0.000	0.000	105.000
3198	3M Canada Inc.	London	ON	43.267	0.000	55.596	0.000	98.863
4399	Canadian Technical Tape	St-Laurent	QC	92.000	0.000	0.000	0.000	92.000
1516	Intertape Polymer Group-Woven Products	Truro	NS	77.000	0.000	0.000	0.000	77.000
959	Alcatel Canada Wire inc. – Montreal Rod Mill	Montreal	QC	65.000	0.000	0.000	0.000	65.000
2469	Novopharm Ltd.	Scarborough	ON	61.310	0.000	0.000	0.000	61.310
3764	General Motors of Canada Ltd. – Fabrication Plant	Oshawa	ON	58.000	0.000	0.000	0.000	58.000

***p,p'*-Isopropylidenediphenol**

CAS# 80-05-7	Total releases: 1.128	No. of reports: 2						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
2331	Valspar Inc.	West Hill	ON	0.690	0.000	0.000	0.268	0.958

Lead (and its compounds)

CAS# N.A.	Total releases: 1,572.040	No. of reports: 166						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
3623	Noranda – Fonderie Horne	Rouyn-Noranda	QC	355.000	0.000	0.600	0.000	355.600
3824	Co-Steel Lasco	Whitby	ON	1.420	0.000	0.022	284.000	285.442
3649	Sidbec Dosco (ISPAT) inc. – Aciérie	Contrecoeur	QC	12.700	0.000	0.000	176.350	189.050
3802	Cominco Ltd. – Trail Operations	Trail	BC	102.750	0.000	56.250	0.000	159.000
3655	Sidbec-Feruni (Ispat) inc.	Contrecoeur	QC	0.000	0.000	0.000	102.400	102.400
1651	Gerdau MRM Steel Inc.	Selkirk	MB	0.000	0.000	0.000	80.000	80.000
4204	Sydney Steel Corp.	Sydney	NS	0.000	0.000	0.000	78.000	78.000
444	Inco Ltd. – Copper Cliff Smelter Compl.	Copper Cliff	ON	68.230	0.000	0.000	0.000	68.230
1106	AltaSteel Ltd.	Edmonton	AB	0.289	0.000	0.002	67.518	67.809
3385	Noranda inc. (Mines et exploration), Division mines Gaspé	Murdochville	QC	18.900	0.000	2.043	25.400	46.343

Maleic anhydride

CAS# 108-31-6	Total releases: 16.915	No. of reports: 12						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3284	Alpha/Owens-Corning (Canada) Inc.	Guelph	ON	16.535	0.000	0.000	0.000	16.535

Manganese (and its compounds)

CAS# N.A.	Total releases: 3,378.108	No. of reports: 222						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1070	Algoma Steel Inc.	Sault Ste. Marie	ON	17.190	0.000	0.000	1,166.845	1,184.035
4806	QIT/Fer et titane inc.	Tracy	QC	0.000	0.000	0.000	623.670	623.670
3855	Stelco Lake Erie Works	Nanticoke	ON	5.585	0.000	0.547	428.000	434.132
1106	AltaSteel Ltd.	Edmonton	AB	3.054	0.000	0.014	221.310	224.378
3649	Sidbec Dosco (ISPAT) inc. – Aciérie	Contrecoeur	QC	11.100	0.000	0.000	164.010	175.110
3242	Produits Forestiers Donohue inc.	St-Félicien	QC	0.000	0.000	54.000	111.000	165.000
4204	Sydney Steel Corp.	Sydney	NS	0.000	0.000	0.000	132.000	132.000
1651	Gerdau MRM Steel Inc.	Selkirk	MB	0.000	0.000	0.000	128.000	128.000
606	Esco Ltd.	Port Coquitlam	BC	0.142	0.000	0.000	73.750	73.892
1561	Kronos Canada, inc.	Varennes	QC	0.000	0.000	40.000	0.000	40.000

Mercury (and its compounds)

CAS# N.A.	Total releases: 2.366	No. of reports: 6						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3802	Cominco Ltd. – Trail Operations	Trail	BC	1.800	0.000	0.060	0.000	1.860

Methanol

CAS# 67-56-1	Total releases: 31,180.112	No. of reports: 305						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
2604	Irving Pulp and Paper / Irving Tissue Co.	Saint John	NB	185.179	0.000	3,387.916	0.000	3,573.095
1782	Methanex Corp.	Medicine Hat	AB	3,351.900	0.000	0.000	0.800	3,352.700
3140	Cartons St-Laurent inc.	La Tuque	QC	419.146	0.000	1,917.800	0.000	2,336.946
462	James River Ltd.	Marathon	ON	109.000	0.000	2,039.600	0.000	2,148.600
2132	Sherritt Inc.	Fort Saskatchewan	AB	2,113.240	0.000	0.000	0.000	2,113.240

Methanol – *continued*

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
3013	Domtar Packaging – Red Rock Mill	Red Rock	ON	240.000	0.000	1,660.000	0.000	1,900.000
1162	Celanese Canada Inc. – Edmonton Facility	Edmonton	AB	62.290	1,800.000	0.000	1.100	1,863.390
930	Avenor Inc.	Thunder Bay	ON	914.523	0.000	0.000	0.000	914.523
223	Daishow Marubeni, Peace River Pulp Division	Peace River	AB	853.100	0.000	0.000	0.000	853.100
333	Fletcher Challenge Canada Ltd. – Elk Falls Mill	Campbell River	BC	522.300	0.000	0.000	0.000	522.300

2-Methoxyethanol

CAS# 109-86-4	Total releases: 6.300	No. of reports: 2						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
4431	Arrow Canada Ltd.	Leamington	ON	6.300	0.000	0.000	0.000	6.300

Methyl acrylate

CAS# 96-33-3	Total releases: 1.501	No. of reports: 3						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
3847	CYRO Canada Inc.	Niagara Falls	ON	1.401	0.000	0.000	0.000	1.401

Methyl *tert*-butyl ether

CAS# 1634-04-4	Total releases: 109.651	No. of reports: 8						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
4316	North Atlantic Refining Ltd.	Come by Chance	NF	79.887	0.000	0.000	0.000	79.887
3974	Alberta Envirofuels Inc.	Edmonton	AB	16.725	0.000	0.000	0.000	16.725
2776	Chevron Canada Ltd.	Burnaby	BC	11.940	0.000	0.000	0.000	11.940

Methylene*bis*(phenylisocyanate)

CAS# 101-68-8	Total releases: 3.136	No. of reports: 47						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
422	Icynene Inc. – Processing Plant	Mississauga	ON	1.000	0.000	0.000	0.000	1.000

Methyl ethyl ketone								
CAS# 78-93-3	**Total releases: 4,796.390**	**No. of reports: 131**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
1162	Celanese Canada Inc. – Edmonton Facility	Edmonton	AB	59.241	930.000	0.000	0.001	989.242
3475	Canadian General-Tower Ltd.	Cambridge	ON	726.798	0.000	0.000	0.000	726.798
741	Morbern Inc.	Cornwall	ON	490.840	0.000	0.000	0.000	490.840
2263	Sunworthy Wallcoverings, Division of Borden Co.	Brampton	ON	358.400	0.000	0.000	0.000	358.400
2420	Domco ltée (Les Industries)	Farnham	QC	283.564	0.000	0.000	0.000	283.564
4210	Velcro Canada Inc.	Brampton	ON	204.809	0.000	0.000	0.000	204.809
3759	International Wallcoverings Ltd.	Brampton	ON	157.600	0.000	0.000	0.000	157.600
3480	Cami Automotive Inc.	Ingersoll	ON	107.926	0.000	0.000	0.000	107.926
3704	Imperial Oil – Sarnia Refinery	Sarnia	ON	89.000	0.000	0.000	0.000	89.000
2181	St. Anne – Nackawic Pulp Co. Ltd.	Nackawic	NB	75.127	0.000	2.390	0.000	77.517

Methyl isobutyl ketone								
CAS# 108-10-1	**Total releases: 691.018**	**No. of reports: 67**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3883	Ford Motor Co. Ltd. – St. Thomas Assembly Plant	St. Thomas	ON	121.120	0.000	0.000	0.000	121.120
3870	General Motors of Canada Ltd. – Autoplex, Truck Plant	Oshawa	ON	97.908	0.000	0.000	0.000	97.908
3704	Imperial Oil – Sarnia Refinery	Sarnia	ON	71.500	0.000	0.000	0.000	71.500
3893	General Motors of Canada Ltd. – Autoplex, Car Plant	Oshawa	ON	40.548	0.000	0.000	0.000	40.548
4849	Tarxien Components Corp.	Concord	ON	36.920	0.000	0.000	0.000	36.920
3419	Ford Motor Co. Canada Ltd. – Oakville Assembly Plant	Oakville	ON	34.168	0.000	0.000	0.000	34.168
3213	Crown Cork & Seal Canada – Plant 233	Concord	ON	34.104	0.000	0.000	0.000	34.104
3759	International Wallcoverings Ltd.	Brampton	ON	31.500	0.000	0.000	0.000	31.500
2633	Steelwood Doors Co.	Woodbridge	ON	28.060	0.000	0.000	0.000	28.060
3476	Chrysler Canada Ltd. – Windsor Assembly Plant	Windsor	ON	22.304	0.000	0.000	0.000	22.304

Methyl methacrylate								
CAS# 80-62-6	**Total releases: 22.588**	**No. of reports: 16**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3847	CYRO Canada Inc.	Niagara Falls	ON	16.223	0.000	0.000	0.000	16.223
361	Graham Products Ltd.	Inglewood	ON	4.036	0.000	0.000	0.000	4.036
2065	Rohm & Haas Canada Inc. – West Hill Plant	West Hill	ON	1.000	0.000	0.000	0.000	1.000

Molybdenum trioxide								
CAS# 1313-27-5	Total releases: 2.075	No. of reports: 13						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
4650	Catalyst Recovery Canada Ltd.	Medicine Hat	AB	1.400	0.000	0.000	0.000	1.400

Naphthalene								
CAS# 91-20-3	Total releases: 55.594	No. of reports: 37						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3713	Dofasco Inc.	Hamilton	ON	11.450	0.000	0.000	0.050	11.500
3707	Imperial Oil – Strathcona Refinery	Edmonton	AB	8.070	0.040	0.000	0.000	8.110
3704	Imperial Oil – Sarnia Refinery	Sarnia	ON	4.171	0.000	0.000	0.000	4.171
787	Napierville Refineries Inc.	Napierville	QC	3.415	0.000	0.000	0.200	3.615
3701	Imperial Oil – Nanticoke Refinery	Jarvis	ON	2.880	0.000	0.000	0.000	2.880
1070	Algoma Steel Inc.	Sault Ste. Marie	ON	2.749	0.000	0.090	0.000	2.839
409	Bi-Provincial Upgrader	Lloydminster	SK	2.580	0.000	0.000	0.200	2.780
3901	Petro-Canada – Lake Ontario Refinery	Oakville	ON	2.178	0.000	0.000	0.000	2.178
3962	Shell Canada Products Ltd. – SMC Refinery	Corunna	ON	2.083	0.000	0.000	0.048	2.131
3855	Stelco Lake Erie Works	Nanticoke	ON	1.968	0.000	0.001	0.000	1.969

Nickel (and its compounds)								
CAS# N.A.	Total releases: 813.790	No. of reports: 142						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
444	Inco Ltd. – Copper Cliff Smelter Compl.	Copper Cliff	ON	417.760	0.000	0.000	0.000	417.760
1473	Inco Ltd., Manitoba Division	Thompson	MB	94.670	0.000	12.118	0.000	106.788
1467	Inco Ltd. – Nickel Refinery	Copper Cliff	ON	91.600	0.000	0.600	0.000	92.200
4806	QIT/Fer et titane inc.	Tracy	QC	0.000	0.000	0.000	69.860	69.860
1471	Inco Ltd. – Port Colborne Refinery	Port Colborne	ON	1.235	0.000	0.610	17.100	18.945
1465	Inco Ltd. – Central Mills	Copper Cliff	ON	0.000	0.000	14.453	0.000	14.453
1861	Generating Station – Nanticoke	Nanticoke	ON	0.200	0.000	0.000	13.617	13.817
1236	Falconbridge Ltd. – Smelter Complex	Falconbridge	ON	10.241	0.000	1.810	0.000	12.051
3962	Shell Canada Products Ltd. – SMC Refinery	Corunna	ON	11.419	0.000	0.000	0.151	11.570
3953	Aciers inoxydables Atlas	Tracy	QC	0.240	0.000	10.190	0.000	10.430

Nitrate ion in solution (pH ≥6.5)								
CAS# N.A.	**Total releases: 2,835.214**	**No. of reports: 43**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3953	Aciers inoxydables Atlas	Tracy	QC	0.000	0.000	699.000	0.000	699.000
2749	Water Treatment Plant – Medicine Hat	Medicine Hat	AB	0.000	0.000	533.000	0.000	533.000
2134	Sherritt Inc.	Redwater	AB	0.000	320.000	67.073	0.000	387.073
1207	DuPont Canada Inc. – Maitland Site	Augusta	ON	0.000	0.000	321.000	0.000	321.000
4743	Water Treatment Plant – Greenway Pollution Control Centre	London	ON	0.000	0.000	317.816	0.000	317.816
3807	Nutrite Inc. – Nitrogen Division (formerly Nitrochem Inc.)	Maitland	ON	0.000	0.000	162.000	0.000	162.000
2132	Sherritt Inc.	Fort Saskatchewan	AB	0.000	0.000	134.877	0.000	134.877
2515	Simplot Canada Ltd.	Brandon	MB	0.000	0.000	64.900	17.800	82.700
3855	Stelco Lake Erie Works	Nanticoke	ON	0.000	0.000	50.360	0.000	50.360
2233	Terra Lambton Works	Courtright	ON	22.100	0.000	24.300	0.000	46.400

Nitric acid								
CAS# 7697-37-2	**Total releases: 11.515**	**No. of reports: 98**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3657	Cameco Corp. – Blind River Refinery	Blind River	ON	5.200	0.000	0.000	0.000	5.200
2515	Simplot Canada Ltd.	Brandon	MB	2.210	0.000	0.000	0.000	2.210
3125	Circo Craft Inc.	Kirkland	QC	0.000	0.000	0.000	0.000	0.639
3807	Nutrite Inc. – Nitrogen Division (formerly Nitrochem Inc.)	Maitland	ON	0.001	0.000	0.000	0.590	0.591
4307	Titan Steel & Wire Co. Ltd.	Surrey	BC	0.000	0.000	0.000	0.000	0.500
321	Exact Printing Plate Ltd.	Scarborough	ON	0.000	0.000	0.000	0.000	0.500

Nitrilotriacetic acid (and its salts)								
CAS# 139-13-9	**Total releases: 0.626**	**No. of reports: 14**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3658	Lever Pond's, a Division of U L Canada Inc.	Toronto	ON	0.000	0.000	0.000	0.000	0.500

Nitroglycerin

CAS# 55-63-0	Total releases: 9.000	No. of reports: 1						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
322	Produits chimiques Expro inc.	St-Timothée	QC	0.000	0.000	9.000	0.000	9.000

Phenol (and its salts)

CAS# 108-95-2	Total releases: 428.314	No. of reports: 58						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
4484	Bauer Industries Ltd.	Waterloo	ON	125.000	0.000	0.000	0.000	125.000
4378	Formica Canada inc.	Saint-Jean-sur-Richelieu	QC	92.400	0.000	0.000	0.000	92.400
2752	Corp. Stone Consolidated, Division Belgo	Shawinigan	QC	0.000	0.000	34.300	0.000	34.300
1197	Domtar Specialty Fine Papers	Cornwall	ON	32.000	0.000	0.550	0.000	32.550
4830	Ranger Board Ltd.	Whitecourt	AB	13.700	0.000	0.000	0.000	13.700
1882	Partek Insulations Ltd.	Sarnia	ON	11.570	0.000	0.000	0.000	11.570
2762	Edson O.S.B. Mill	Edson	AB	10.650	0.000	0.000	0.000	10.650
239	Domtar Packaging	Trenton	ON	6.510	0.000	3.507	0.040	10.057
3704	Imperial Oil – Sarnia Refinery	Sarnia	ON	8.690	0.000	0.040	0.000	8.730
4466	Brake Pro Ltd., Heavy Duty Brake	Concord	ON	8.702	0.000	0.000	0.000	8.702

Phosphoric acid

CAS# 7664-38-2	Total releases: 123.252	No. of reports: 198						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
2134	Sherritt Inc.	Redwater	AB	1.020	0.000	0.000	111.063	112.083
4533	CanMar Manufacturing Inc.	Niagara Falls	ON	7.420	0.000	0.000	0.100	7.520
4320	Tamis Cae Inc.	Lennoxville	QC	0.000	0.000	0.000	0.000	1.000

Phosphorus (yellow or white)

CAS# 7723-14-0	Total releases: 60.063	No. of reports: 8						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1048	Albright & Wilson Americas Ltd.	Varennes	QC	0.000	0.000	0.002	60.000	60.002

Phthalic anhydride								
CAS# 85-44-9	Total releases: 7.694	No. of reports: 16						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3284	Alpha/Owens-Corning (Canada) Inc.	Guelph	ON	6.353	0.000	0.000	0.000	6.353

Propylene								
CAS# 115-07-1	Total releases: 1,364.450	No. of reports: 37						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3634	Pétromont (Societé en commandite)	Varennes	QC	210.630	0.000	0.000	0.000	210.630
1464	Imperial Oil, Chemical Division	Sarnia	ON	129.560	0.000	0.000	0.000	129.560
1776	Novacor Chemicals Ltd. – Corunna Site	Corunna	ON	124.000	0.000	0.000	0.000	124.000
4763	Montell Canada Inc. – Sarnia Plant	Corunna	ON	119.600	0.000	0.000	0.000	119.600
2274	Syncrude Canada Ltd.	Fort McMurray	AB	72.403	0.000	0.000	0.000	72.403
391	Montell Canada inc.	Varennes	QC	69.000	0.000	0.000	0.000	69.000
1779	Novacor Chemicals Ltd. – Joffre Site	Red Deer	AB	56.660	0.000	0.000	0.000	56.660
3903	Petro-Canada – Edmonton Refinery	Edmonton	AB	55.800	0.000	0.000	0.000	55.800
3928	Ultramar Canada inc.	Lévis	QC	55.300	0.000	0.000	0.000	55.300
3962	Shell Canada Products Ltd. – SMC Refinery	Corunna	ON	48.144	0.000	0.000	0.000	48.144

Propylene oxide								
CAS# 75-56-9	Total releases: 10.469	No. of reports: 5						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3146	Dow Chemical Canada Inc.	Sarnia	ON	5.347	0.000	0.000	0.000	5.347
800	Rhone-Poulenc Specialty Chemicals Ltd.	Mississauga	ON	4.366	0.000	0.000	0.000	4.366
1436	Huntsman Corp.	Guelph	ON	0.556	0.000	0.000	0.000	0.556

Selenium (and its compounds)								
CAS# N.A.	Total releases: 12.781	No. of reports: 9						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
2815	Kidd Metallurgical Site	Hoyle	ON	1.168	0.000	5.010	0.000	6.178
3385	Noranda inc. (Mines et exploration), Division mines Gaspé	Murdochville	QC	1.890	0.000	0.000	0.800	2.690
2938	CEZinc (zinc. électrolytique du Canada ltée)	Salaberry-de-Valleyfield	QC	0.010	0.000	2.500	0.000	2.510
3623	Noranda – Fonderie Horne	Rouyn-Noranda	QC	0.000	0.000	0.000	0.000	0.850

Silver (and its compounds)								
CAS# N.A.	Total releases: 10.781	No. of reports: 11						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1611	Noranda inc. (Mines et exploration), Division Matagami	Matagami	QC	8.600	0.000	0.000	0.000	8.600
3802	Cominco Ltd. – Trail Operations	Trail	BC	0.080	0.000	1.040	0.000	1.120

Styrene								
CAS# 100-42-5	Total releases: 731.045	No. of reports: 71						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
4324	Fibre de verre moderne	Tring Junction	QC	91.820	0.000	0.000	0.000	91.820
4351	Bombardier inc., Division Jet Boat	St-Antoine-de-Tilly	QC	90.000	0.000	0.000	0.000	90.000
2561	Camoplast inc., Division Roski I	Roxton Falls	QC	80.000	0.000	0.000	0.000	80.000
1269	Essex Aluminum Plant	Windsor	ON	53.000	0.000	0.000	0.000	53.000
2564	Camoplast inc., Division Roski III	Princeville	QC	39.000	0.000	0.000	0.000	39.000
4405	Fibrex fibre de verre inc.	Terrebonne	QC	36.653	0.000	0.000	0.000	36.653
3573	Mirolin	Toronto	ON	31.930	0.000	0.000	0.000	31.930
4323	Acrylica inc.	Sainte-Marie	QC	27.000	0.000	0.000	0.000	27.000
421	ICL Engineering Ltd.	Richmond	BC	23.700	0.000	0.000	0.000	23.700
4300	Marine Plastics Ltd.	Langley	BC	23.200	0.000	0.000	0.000	23.200

Sulphuric acid								
CAS# 7664-93-9	Total releases: 7,701.487	No. of reports: 389						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
444	Inco Ltd. – Copper Cliff Smelter Compl.	Copper Cliff	ON	3,041.000	0.000	0.000	0.000	3,041.000
2948	Tembec inc.	Témiscaming	QC	0.000	0.000	1,250.000	0.000	1,250.000
2284	Generating Plant – Sundance (Thermal)	Duffield	AB	835.879	0.000	0.000	0.000	835.879
2274	Syncrude Canada Ltd.	Fort McMurray	AB	461.400	0.000	0.000	0.000	461.400
2001	QUNO Corp.	Baie-Comeau	QC	0.000	0.000	300.000	0.000	300.000
2286	Generating Plant – Keephills (Thermal)	Duffield	AB	281.371	0.000	0.000	0.000	281.371
2282	Generating Plant – Wabamun (Thermal)	Wabamun	AB	279.882	0.000	0.000	0.000	279.882
1561	Kronos Canada, inc.	Varennes	QC	24.000	0.000	140.000	0.000	164.000
2221	Stora Forest Industries Ltd.	Port Hawkesbury	NS	9.352	0.000	112.800	0.000	122.152
3422	DuPont Canada Inc. – Kingston Site	Kingston	ON	0.000	0.000	109.000	0.000	109.000

Tetrachloroethylene								
CAS# 127-18-4	**Total releases: 148.855**	**No. of reports: 29**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
92	Advanced Monobloc	Penetanguishene	ON	109.380	0.000	0.000	0.000	109.380
1447	IBM Canada ltée	Bromont	QC	10.390	0.000	0.000	0.000	10.390
4718	Industrial Glove & Garment Ltd.	Whitby	ON	8.200	0.000	0.000	0.000	8.200
2852	ICI Explosifs Canada	Brownsburg	QC	6.000	0.000	0.000	0.000	6.000
4471	Aries Flexographics Ltd.	Mississauga	ON	3.930	0.000	0.000	0.000	3.930
4054	Technologies BABN inc. (Les)	Montreal	QC	3.098	0.000	0.000	0.000	3.098
2413	Chemrec inc.	Cowansville	QC	2.600	0.000	0.000	0.000	2.600
1553	K-G Packaging	Concord	ON	1.100	0.000	0.000	0.000	1.100
369	Graphic Packaging Canada Corp.	Winnipeg	MB	1.000	0.000	0.000	0.000	1.000

Titanium tetrachloride								
CAS# 7550-45-0	**Total releases: 1.800**	**No. of reports: 4**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
1561	Kronos Canada, inc.	Varennes	QC	1.800	0.000	0.000	0.000	1.800

Toluene								
CAS# 108-88-3	**Total releases: 6,833.377**	**No. of reports: 318**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases (1)**
3893	General Motors of Canada Ltd. – Autoplex, Car Plant	Oshawa	ON	388.384	0.000	0.000	0.000	388.384
2263	Sunworthy Wallcoverings, Division of Borden Co.	Brampton	ON	323.600	0.000	0.000	0.000	323.600
3447	Québecor Printing PE&E	Etobicoke	ON	305.728	0.000	6.011	0.000	311.739
4399	Canadian Technical Tape	St-Laurent	QC	290.300	0.000	0.000	0.000	290.300
4734	Consoltex Inc.	Alexandria	ON	254.229	0.000	0.000	0.000	254.229
3475	Canadian General-Tower Ltd.	Cambridge	ON	232.977	0.000	0.000	0.000	232.977
4496	Durabla Canada	Belleville	ON	201.000	0.000	0.000	0.000	201.000
3198	3M Canada Inc.	London	ON	153.423	0.000	0.000	0.000	153.423
3870	General Motors of Canada Ltd. – Autoplex, Truck Plant	Oshawa	ON	148.829	0.000	0.000	0.000	148.829
1215	Ford Motor Co. Ltd., Ontario Truck	Oakville	ON	144.260	0.000	0.000	0.000	144.260

Trichloroethylene								
CAS# 79-01-6	Total releases: 762.460	No. of reports: 40						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
4524	Sandvik Steel Canada	Arnprior	ON	223.200	0.000	0.000	0.000	223.200
2396	Wolverine Tube (Canada) Inc.	London	ON	133.212	0.000	0.000	0.000	133.212
1189	Bombardier Inc., de Havilland Inc.	Downsview	ON	44.470	0.000	0.000	0.000	44.470
123	Associated Tube Industries	Markham	ON	41.900	0.000	0.000	0.000	41.900
3845	Blount Canada Ltd.	Guelph	ON	40.897	0.000	0.000	0.000	40.897
818	Canusa, a Division of Shaw Industries Ltd.	Chaffey	ON	35.247	0.000	0.000	0.000	35.247
4110	ITW Devilbiss, a Division of ITW Can Inc.	Barrie	ON	30.393	0.000	0.000	0.000	30.393
448	Industrial Tire Ltd.	Mississauga	ON	24.400	0.000	0.000	0.000	24.400
3953	Aciers inoxydables Atlas	Tracy	QC	20.600	0.000	0.000	0.000	20.600
734	Mitsubishi Electronics Industries Canada Inc.	Midland	ON	20.230	0.000	0.065	0.000	20.295

1,2,4-Trimethylbenzene								
CAS# 95-63-6	Total releases: 371.803	No. of reports: 76						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1492	Chemprox chimie inc.	Bécancour	QC	42.100	0.000	0.110	0.000	42.210
3883	Ford Motor Co. Ltd. – St. Thomas Assembly Plant	St. Thomas	ON	35.068	0.000	0.000	0.000	35.068
1534	John Deere Ltd. Welland Works	Welland	ON	30.117	0.000	0.000	0.000	30.117
3698	Imperial Oil – Dartmouth Refinery	Dartmouth	NS	25.150	0.000	0.140	0.000	25.290
3419	Ford Motor Co. Canada Ltd. – Oakville Assembly Plant	Oakville	ON	20.102	0.000	0.000	0.000	20.102
3182	Carborundum Abrasives North America	Plattsville	ON	16.427	0.000	0.000	0.000	16.427
3704	Imperial Oil – Sarnia Refinery	Sarnia	ON	14.490	0.000	0.000	0.000	14.490
3707	Imperial Oil – Strathcona Refinery	Edmonton	AB	13.520	0.560	0.000	0.010	14.090
4048	Consumers' Co-operative Refineries Ltd./Newgrade Energy Inc.	Regina	SK	13.583	0.000	0.000	0.000	13.583
2230	Suncor Inc., Oil Sands Group	Fort McMurray	AB	13.200	0.000	0.000	0.000	13.200

Vanadium (fume or dust)								
CAS# 7440-62-2	Total releases: 226.753	No. of reports: 17						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
4806	QIT/Fer et titane inc.	Tracy	QC	0.000	0.000	0.000	127.890	127.890
3704	Imperial Oil – Sarnia Refinery	Sarnia	ON	36.360	0.000	0.000	1.070	37.430

Vanadium (fume or dust) – *continued*

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
3962	Shell Canada Products Ltd. – SMC Refinery	Corunna	ON	21.141	0.000	0.000	0.276	21.417
2230	Suncor Inc., Oil Sands Group	Fort McMurray	AB	18.400	0.000	0.000	0.000	18.400
3897	Petro-Canada – Raffinerie de Montreal	Montreal	QC	13.400	0.000	0.000	0.000	13.400
4204	Sydney Steel Corp.	Sydney	NS	0.000	0.000	0.000	4.700	4.700
4268	Maritime Electric Co. Ltd.	Charlottetown	PE	2.800	0.000	0.000	0.000	2.800
4027	Brunswick Fertilizer	Belledune	NB	0.000	0.000	0.000	0.000	0.600

Vinyl acetate

CAS# 108-05-4	Total releases: 246.009	No. of reports: 13						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
1162	Celanese Canada Inc. – Edmonton Facility	Edmonton	AB	36.703	160.000	0.000	0.000	196.703
126	AT Plastics Inc.	Edmonton	AB	35.598	0.000	0.000	0.485	36.083
374	Halltech Inc.	Scarborough	ON	4.717	0.000	0.000	0.100	4.817
3586	Nacan Products	Boucherville	QC	3.860	0.000	0.000	0.000	3.860

Vinyl chloride

CAS# 75-01-4	Total releases: 18.236	No. of reports: 9						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
355	Geon Scotford Plant	Fort Saskatchewan	AB	8.330	0.000	0.008	0.000	8.338
1464	Imperial Oil, Chemical Division	Sarnia	ON	5.482	0.000	0.124	0.000	5.606
1300	Geon Canada Niagara	Thorold	ON	3.252	0.000	0.005	0.000	3.257
280	Dow Chemical Canada Inc. – Western Canada Operations	Fort Saskatchewan	AB	0.702	0.000	0.000	0.001	0.703

Xylene (mixed isomers)

CAS# 1330-20-7	Total releases: 8,153.708	No. of reports: 308						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases (1)
2524	Papiers Perkins ltée (Les)	Candiac	QC	793.700	0.000	0.000	0.000	793.700
2176	Standard Products (Canada) Ltd. – Rubber Plant #1	Stratford	ON	781.202	0.000	0.000	0.000	781.202
3893	General Motors of Canada Ltd. – Autoplex, Car Plant	Oshawa	ON	748.549	0.000	0.000	0.000	748.549
3870	General Motors of Canada Ltd. – Autoplex, Truck Plant	Oshawa	ON	445.100	0.000	0.000	0.000	445.100
3476	Chrysler Canada Ltd. – Windsor Assembly Plant	Windsor	ON	292.017	0.000	0.000	0.000	292.017

Xylene (mixed isomers) – *continued*

NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
3883	Ford Motor Co. Ltd. – St. Thomas Assembly Plant	St. Thomas	ON	267.380	0.000	0.000	0.000	267.380
3419	Ford Motor Co. Canada Ltd. – Oakville Assembly Plant	Oakville	ON	251.240	0.000	0.000	0.000	251.240
3480	Cami Automotive Inc.	Ingersoll	ON	220.827	0.000	0.000	0.000	220.827
4796	Aciers Canam (Les)	Saint-Gédéon	QC	183.100	0.000	0.000	0.000	183.100
3478	Chrysler Canada Ltd. – Pillette Truck Assembly Plant	Windsor	ON	177.023	0.000	0.000	0.000	177.023

***m*-Xylene**

CAS# 108-38-3	Total releases: 28.091	No. of reports: 6						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
4569	Pétrochimie Coastal du Canada	Montreal	QC	16.355	0.000	0.000	0.000	16.355
3928	Ultramar Canada inc.	Lévis	QC	5.780	0.000	0.000	0.000	5.780
4732	Canac Kitchens Ltd.	Thornhill	ON	4.446	0.000	0.000	0.000	4.446
859	McAsphalt Industries Ltd.	Scarborough	ON	1.000	0.000	0.000	0.000	1.000
4841	Digital Products Ltd.	Saint John	NB	0.000	0.000	0.000	0.000	0.500

***o*-Xylene**

CAS# 95-47-6	Total releases: 13.198	No. of reports: 5						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
4569	Pétrochimie Coastal du Canada	Montreal	QC	9.228	0.000	0.000	0.000	9.228
3928	Ultramar Canada inc.	Lévis	QC	2.100	0.000	0.000	0.000	2.100
859	McAsphalt Industries Ltd.	Scarborough	ON	1.000	0.000	0.000	0.000	1.000
4316	North Atlantic Refining Ltd.	Come by Chance	NF	0.651	0.000	0.000	0.000	0.651

***p*-Xylene**

CAS# 106-42-3	Total releases: 45.068	No. of reports: 5						
NPRI ID no.	Facility name	City	Province	Air	Under-ground	Water	Land	Total releases [1]
4569	Pétrochimie Coastal du Canada	Montreal	QC	39.350	0.000	0.000	0.000	39.350
4732	Canac Kitchens Ltd.	Thornhill	ON	2.698	0.000	0.000	0.000	2.698
3928	Ultramar Canada inc.	Lévis	QC	1.920	0.000	0.000	0.000	1.920
859	McAsphalt Industries Ltd.	Scarborough	ON	1.000	0.000	0.000	0.000	1.000

Zinc (and its compounds)								
CAS# N.A.	**Total releases: 6,442.557**	**No. of reports: 330**						
NPRI ID no.	**Facility name**	**City**	**Province**	**Air**	**Under-ground**	**Water**	**Land**	**Total releases [1]**
3802	Cominco Ltd. – Trail Operations	Trail	BC	103.750	0.000	1,836.700	0.000	1,940.450
3649	Sidbec Dosco (ISPAT) inc. – Aciérie	Contrecoeur	QC	73.160	0.000	0.972	1,040.510	1,114.642
3824	Co-Steel Lasco	Whitby	ON	11.600	0.000	0.057	934.000	945.657
1651	Gerdau MRM Steel Inc.	Selkirk	MB	0.000	0.000	0.000	554.000	554.000
1106	AltaSteel Ltd.	Edmonton	AB	2.400	0.000	0.014	316.802	319.216
4204	Sydney Steel Corp.	Sydney	NS	0.000	0.000	0.000	270.000	270.000
4806	QIT/Fer et titane inc.	Tracy	QC	0.000	0.000	0.000	211.690	211.690
1070	Algoma Steel Inc.	Sault Ste. Marie	ON	0.193	0.000	11.761	193.006	204.960
3655	Sidbec-Feruni (Ispat) inc.	Contrecoeur	QC	0.000	0.000	0.000	196.000	196.000
2938	CEZinc (zinc électrolytique du Canada ltée)	Salaberry-de-Valleyfield	QC	106.400	0.000	3.438	0.000	109.838

Appendix 3 – On-site releases in Canada (tonnes)

CAS # [1]	Pollutant	Air	Under-ground	Water	Land	Total releases [2]
75-07-0	Acetaldehyde	146.181	130.000	13.200	0.030	289.411
67-64-1	Acetone	4,090.880	260.000	39.335	0.000	4,397.210
75-05-8	Acetonitrile	79.040	0.000	0.015	0.000	79.055
79-06-1	Acrylamide	0.314	0.000	5.700	0.000	6.314
79-10-7	Acrylic acid (and its salts)	0.674	0.000	0.000	0.000	0.864
107-13-1	Acrylonitrile	15.017	0.000	0.520	0.000	16.842
7429-90-5	Aluminum (fume or dust)	18.546	0.000	1.300	1,202.652	1,226.299
1344-28-1	Aluminum oxide (fibrous forms)	3.189	0.000	0.000	2.901	6.324
NA	Ammonia (total)[3]	18,452.922	6,430.300	4,289.154	345.996	29,524.682
62-53-3	Aniline (and its salts)	0.005	0.000	0.000	0.000	0.010
120-12-7	Anthracene	2.080	0.000	0.000	0.010	2.506
NA	Antimony (and its compounds)	19.684	0.014	7.961	6.315	35.493
NA	Arsenic (and its compounds)	86.995	3,600.000	17.019	5.484	3,709.649
1332-21-4	Asbestos (friable form)	1.147	0.000	0.000	524.027	525.393
71-43-2	Benzene	2,120.691	77.101	6.665	1.559	2,210.884
94-36-0	Benzoyl peroxide	0.000	0.000	0.000	0.000	0.000
100-44-7	Benzyl chloride	0.010	0.000	0.000	0.000	0.010
92-52-4	Biphenyl	14.864	0.000	0.060	0.087	15.311
103-23-1	*Bis*(2-ethylhexyl) adipate	0.217	0.000	4.006	1.176	5.405
117-81-7	*Bis*(2-ethylhexyl) phthalate	26.648	0.000	0.000	32.665	59.329
74-83-9	Bromomethane	10.698	0.000	0.000	0.000	10.698
106-99-0	1,3-Butadiene	225.413	0.000	0.058	0.002	225.832
141-32-2	Butyl acrylate	0.583	0.000	0.000	0.000	1.349
78-83-1	*i*-Butyl alcohol	152.389	0.000	0.972	0.000	154.832
71-36-3	*n*-Butyl alcohol	1,258.482	0.000	14.438	0.308	1,278.412
78-92-2	*sec*-Butyl alcohol	17.099	0.000	0.000	0.000	17.099
75-65-0	*tert*-Butyl alcohol	50.537	95.000	0.132	0.002	145.671
85-68-7	Butyl benzyl phthalate	6.493	0.000	0.000	0.000	6.533
4680-78-8	C.I. acid green 3	0.000	0.000	0.000	0.000	0.000
NA	Cadmium (and its compounds)	17.531	0.000	3.882	25.000	47.553
75-15-0	Carbon disulphide	3,700.862	0.005	2.300	0.000	3,704.167
56-23-5	Carbon tetrachloride	5.640	0.000	2.129	0.000	8.280
7782-50-5	Chlorine	1,239.770	10.780	149.684	0.000	1,405.075
10049-04-4	Chlorine dioxide	1,065.541	0.000	0.000	0.000	1,065.655
79-11-8	Chloroacetic acid (and its salts)	0.000	0.000	0.000	0.000	0.000
108-90-7	Chlorobenzene	0.012	0.000	0.000	0.000	0.012
75-00-3	Chloroethane	183.440	0.000	0.000	0.000	183.540
67-66-3	Chloroform	234.451	0.000	4.132	0.000	238.583
74-87-3	Chloromethane	970.780	0.000	0.066	0.000	970.846
NA	Chromium (and its compounds)	13.919	0.260	32.007	649.481	703.256

(1) A Chemical Abstract Service (CAS) registry number is a unique identifier given to a chemical substance to facilitate the use, interpretation, and cross-referencing of the data.
(2) Total releases may be greater than the sum of releases by environmental medium, since releases of less than one tonne could be reported as an undifferentiated total release.
(3) Ammonia (total) means the total of both ammonia (NH_3) and ammonium ion (NH_4^+) in solution.

CAS # [1]	Pollutant	Air	Under-ground	Water	Land	Total releases [2]
NA	Cobalt (and its compounds)	18.037	0.000	1.680	9.100	29.127
NA	Copper (and its compounds)	484.527	0.000	12,418.030	1,353.280	14,261.558
1319-77-3	Cresol (mixed isomers and their salts)	2.300	0.000	0.000	0.000	2.300
95-48-7	*o*-Cresol (and its salts)	0.000	0.000	0.000	0.000	0.002
98-82-8	Cumene	22.852	0.030	0.030	0.042	24.473
80-15-9	Cumene hydroperoxide	0.000	0.000	0.000	0.000	0.020
NA	Cyanides (ionic)	61.440	0.000	10.645	0.000	72.730
110-82-7	Cyclohexane	2,989.904	0.000	0.998	1.123	2,996.291
1163-19-5	Decabromodiphenyl oxide	0.000	0.000	0.000	0.000	0.000
84-74-2	Dibutyl phthalate	10.974	0.000	0.000	0.000	11.180
95-50-1	*o*-Dichlorobenzene	0.320	0.000	0.000	0.000	0.400
106-46-7	*p*-Dichlorobenzene	9.364	0.000	0.000	0.400	9.864
107-06-2	1,2-Dichloroethane	5.580	0.000	0.448	0.040	6.168
75-09-2	Dichloromethane	2,203.309	0.000	0.000	0.025	2,206.620
111-42-2	Diethanolamine (and its salts)	39.863	496.826	25.480	117.596	681.378
77-78-1	Dimethyl sulphate	0.008	0.000	0.000	0.000	0.008
534-52-1	4,6-Dinitro-*o*-cresol (and its salts)	0.000	0.000	0.000	0.000	0.000
121-14-2	2,4-Dinitrotoluene	0.000	0.000	0.000	0.000	0.700
117-84-0	Di-*n*-octyl phthalate	0.180	0.000	0.000	0.000	0.448
123-91-1	1,4-Dioxane	2.807	0.000	4.764	0.000	8.005
106-89-8	Epichlorohydrin	1.000	0.000	0.000	0.000	1.133
110-80-5	2-Ethoxyethanol	8.100	0.000	0.000	0.000	8.104
111-15-9	2-Ethoxyethyl acetate	4.143	0.000	0.000	0.000	4.447
140-88-5	Ethyl acrylate	0.100	0.000	0.000	0.000	1.090
100-41-4	Ethylbenzene	670.311	6.442	1.039	0.489	680.131
74-85-1	Ethylene	2,387.383	0.000	0.000	0.000	2,388.667
107-21-1	Ethylene glycol	534.678	563.993	68.468	3,258.079	4,429.104
75-21-8	Ethylene oxide	26.086	0.000	0.000	0.000	26.204
50-00-0	Formaldehyde	819.032	40.140	342.972	0.180	1,205.794
302-01-2	Hydrazine (and its salts)	0.009	0.000	1.195	0.000	1.583
7647-01-0	Hydrochloric acid	4,379.259	149.390	9.083	1.677	4,544.261
74-90-8	Hydrogen cyanide	0.190	0.000	0.000	0.000	0.290
7664-39-3	Hydrogen fluoride	1,827.801	0.000	0.072	0.000	1,827.889
123-31-9	Hydroquinone (and its salts)	0.000	0.000	0.000	0.000	0.010
67-63-0	Isopropyl alcohol	2,041.357	1.441	55.696	0.100	2,108.480
80-05-7	*p,p*'-Isopropylidenediphenol	0.690	0.000	0.000	0.268	1.128
NA	Lead (and its compounds)	663.194	0.040	81.217	821.790	1,572.040
108-31-6	Maleic anhydride	16.652	0.000	0.000	0.000	16.915
NA	Manganese (and its compounds)	59.316	0.000	172.042	3,141.465	3,378.108
NA	Mercury (and its compounds)	2.276	0.000	0.071	0.017	2.366
67-56-1	Methanol	18,415.359	2,745.219	9,945.216	62.837	31,180.112
109-86-4	2-Methoxyethanol	6.300	0.000	0.000	0.000	6.300
96-33-3	Methyl acrylate	1.401	0.000	0.000	0.000	1.501
1634-04-4	Methyl *tert*-butyl ether	109.644	0.000	0.007	0.000	109.651
101-14-4	*p,p*'-Methylene*bis*(2-chloroaniline)	0.000	0.000	0.000	0.000	0.004

CAS # [1]	Pollutant	Air	Under-ground	Water	Land	Total releases [2]
101-68-8	Methylene*bis*(phenylisocyanate)	1.280	0.000	0.000	0.100	3.136
101-77-9	*p,p*'-Methylenedianiline	0.000	0.000	0.000	0.000	0.100
78-93-3	Methyl ethyl ketone	3,854.955	930.090	2.401	0.115	4,796.390
108-10-1	Methyl isobutyl ketone	687.042	0.000	0.000	1.886	691.018
80-62-6	Methyl methacrylate	21.681	0.000	0.000	0.000	22.588
1313-27-5	Molybdenum trioxide	1.675	0.000	0.000	0.000	2.075
91-20-3	Naphthalene	54.551	0.040	0.146	0.547	55.594
NA	Nickel (and its compounds)	645.071	0.000	45.887	120.350	813.790
NA	Nitrate ion in solution (pH ≥6.5)	22.100	320.000	2,445.879	46.505	2,835.214
7697-37-2	Nitric acid	8.107	0.000	0.000	0.590	11.515
139-13-9	Nitrilotriacetic acid (and its salts)	0.025	0.000	0.000	0.000	0.626
55-63-0	Nitroglycerin	0.000	0.000	9.000	0.000	9.000
79-46-9	2-Nitropropane	0.000	0.000	0.000	0.000	0.125
79-21-0	Peracetic acid (and its salts)	0.000	0.000	0.000	0.000	0.000
108-95-2	Phenol (and its salts)	368.802	4.392	51.943	0.613	428.314
90-43-7	*o*-Phenylphenol (and its salts)	0.000	0.000	0.000	0.000	0.000
75-44-5	Phosgene	0.014	0.000	0.000	0.000	0.014
7664-38-2	Phosphoric acid	8.815	0.000	0.000	111.163	123.252
7723-14-0	Phosphorus (yellow or white)	0.000	0.000	0.002	60.000	60.063
85-44-9	Phthalic anhydride	6.355	0.000	0.000	0.000	7.694
115-07-1	Propylene	1,364.218	0.000	0.000	0.000	1,364.450
75-56-9	Propylene oxide	10.269	0.000	0.000	0.000	10.469
NA	Selenium (and its compounds)	3.068	0.000	7.510	0.800	12.781
NA	Silver (and its compounds)	8.774	0.000	1.138	0.008	10.781
100-42-5	Styrene	719.916	0.090	0.299	4.832	731.045
96-09-3	Styrene oxide	0.000	0.000	0.000	0.000	0.100
7664-93-9	Sulphuric acid	5,613.196	0.000	2,077.990	2.684	7,701.487
127-18-4	Tetrachloroethylene	147.039	0.000	0.075	0.000	148.855
62-56-6	Thiourea	0.000	0.000	0.000	0.000	0.000
7550-45-0	Titanium tetrachloride	1.800	0.000	0.000	0.000	1.800
108-88-3	Toluene	6,761.089	44.001	9.395	3.107	6,833.377
584-84-9	Toluene-2,4-diisocyanate	0.000	0.000	0.000	0.000	0.300
26471-62-5	Toluenediisocyanate (mixed isomers)	0.308	0.000	0.000	0.000	1.119
79-00-5	1,1,2-Trichloroethane	0.020	0.000	0.000	0.000	0.020
79-01-6	Trichloroethylene	761.570	0.000	0.065	0.000	762.460
95-63-6	1,2,4-Trimethylbenzene	367.025	0.570	0.250	1.085	371.803
7440-62-2	Vanadium (fume or dust)	92.202	0.000	0.003	133.936	226.753
108-05-4	Vinyl acetate	84.578	160.000	0.000	0.585	246.009
75-01-4	Vinyl chloride	17.766	0.000	0.137	0.001	18.236
75-35-4	Vinylidene chloride	0.000	0.000	0.000	0.000	0.000
1330-20-7	Xylene (mixed isomers)	8,112.880	17.918	2.889	2.757	8,153.708
108-38-3	*m*-Xylene	27.581	0.000	0.000	0.000	28.091
95-47-6	*o*-Xylene	12.979	0.000	0.000	0.000	13.198
106-42-3	*p*-Xylene	44.968	0.000	0.000	0.000	45.068
NA	Zinc (and its compounds)	647.292	1.400	2,020.565	3,764.268	6,442.557
	Total	**102,537.501**	**16,085.482**	**34,409.462**	**15,822.135**	**169,069.943**

Appendix 4 – Unreported pollutants in 1994 and 1995

CAS # [1]	Pollutant	1994	1995
107-18-6	Allyl alcohol	x	x
107-05-1	Allyl chloride	x	x
98-88-4	Benzoyl chloride	x	x
74-83-9	Bromomethane	x	
106-88-7	1,2-Butylene oxide	x	x
123-72-8	Butyraldehyde	x	x
569-64-2	C.I. basic green 4	x	x
989-38-8	C.I. basic red 1	x	x
2832-40-8	C.I. disperse yellow 3	x	x
81-88-9	C.I. food red 15	x	x
3118-97-6	C.I. solvent orange 7	x	x
842-07-9	C.I. solvent yellow 14	x	x
156-62-7	Calcium cyanamide		x
120-80-9	Catechol	x	x
108-90-7	Chlorobenzene	x	
108-39-4	*m*-Cresol (and its salts)	x	x
106-44-5	*p*-Cresol (and its salts)	x	x
95-80-7	2,4-Diaminotoluene	x	x
120-83-2	2,4-Dichlorophenol (and its salts)	x	x
78-87-5	1,2-Dichloropropane	x	x
84-66-2	Diethyl phthalate		x
64-67-5	Diethyl sulphate	x	x
121-69-7	N,N-Dimethylaniline (and its salts)	x	x
131-11-3	Dimethyl phthalate	x	x
606-20-2	2,6-Dinitrotoluene	x	x
25321-14-6	Dinitrotoluene (mixed isomers)	x	x
541-41-3	Ethyl chloroformate	x	x
96-45-7	Ethylene thiourea	x	x
77-47-4	Hexachlorocyclopentadiene	x	x
67-72-1	Hexachloroethane	x	x
78-84-2	Isobutyraldehyde	x	x
120-58-1	Isosafrole	x	x
110-49-6	2-Methoxyethyl acetate	x	x
101-77-9	*p,p*'-Methylenedianiline	x	
74-88-4	Methyl iodide	x	x
90-94-8	Michler's ketone (and its salts)	x	x
98-95-3	Nitrobenzene	x	x
100-02-7	*p*-Nitrophenol (and its salts)	x	x
86-30-6	N-Nitrosodiphenylamine	x	x
106-50-3	*p*-Phenylenediamine (and its salts)	x	x
75-44-5	Phosgene	x	
123-38-6	Propionaldehyde	x	
110-86-1	Pyridine (and its salts)	x	x
91-22-5	Quinoline (and its salts)	x	x
106-51-4	*p*-Quinone	x	x
94-59-7	Safrole	x	x
79-34-5	1,1,2,2-Tetrachloroethane	x	x
1314-20-1	Thorium dioxide	x	x
91-08-7	Toluene-2,6-diisocyanate	x	x
120-82-1	1,2,4-Trichlorobenzene	x	x
	Total	**48**	**45**

(1) A Chemical Abstract Service (CAS) registry number is a unique identifier given to a chemical substance to facilitate the use, interpretation, and cross-referencing of the data.

Appendix 5 – Pollutants released[1] by Standard Industrial Classification (SIC)[2] code (tonnes)

04 – Logging industry					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases[3]**
Methanol	76.100	0.000	0.000	0.000	76.100
Ammonia (total)[4]	1.620	0.000	38.400	0.000	40.020
Sulphuric acid	10.240	0.000	0.000	0.000	10.240
Chlorine dioxide	3.700	0.000	0.000	0.000	3.700
Chlorine	2.020	0.000	0.000	0.000	2.020
Phosphoric acid	0.000	0.000	0.000	0.000	0.000
Total	**93.680**	**0.000**	**38.400**	**0.000**	**132.080**

05 – Forest services industry					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases[3]**
Ammonia (total)[4]	0.000	0.000	15.000	0.000	15.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**0.000**	**15.000**	**0.000**	**15.000**

06 – Mining industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases[3]**
Copper (and its compounds)	47.525	0.000	12331.124	0.400	12,379.585
Arsenic (and its compounds)	36.516	3,600.000	14.687	5.100	3,656.303
Zinc (and its compounds)	173.570	0.000	1,867.039	1.200	2,041.809
Ammonia (total)[4]	808.273	0.000	687.923	0.510	1,497.613
Acetone	270.991	0.000	0.000	0.000	270.991
Lead (and its compounds)	133.868	0.000	62.257	25.700	222.131
Sulphuric acid	83.752	0.000	0.000	2.200	86.218
Cyanides (ionic)	61.440	0.000	7.374	0.000	69.099
Methanol	0.000	0.000	0.000	40.000	40.000
Hydrochloric acid	31.500	0.000	0.000	0.000	31.560
Antimony (and its compounds)	15.240	0.000	7.920	0.200	23.360
Manganese (and its compounds)	0.047	0.000	17.760	0.000	17.807
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	16.100	0.560	16.660
Ethylene glycol	7.100	0.000	0.000	3.020	10.120
Silver (and its compounds)	8.774	0.000	1.104	0.000	9.878
Selenium (and its compounds)	3.058	0.000	5.010	0.800	8.868

(1) 'Zero' release indicates that the industry manufactures, processes or otherwise uses 10 tonnes or more of the pollutant at a concentration ≥ 1% but that the pollutant is not released.
(2) SIC code = Standard Industrial Classification code, established by Statistics Canada. These codes are those provided by the facilities.
(3) Total releases may be greater than the sum of releases by environmental medium, since releases less than one tonne could be reported as an undifferentiated total release.
(4) Ammonia (total) means the total of both ammonia (NH_3) and ammonium ion (NH_4^+) in solution.

06 – Mining industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Cadmium (and its compounds)	5.727	0.000	2.798	0.200	8.725
Nitric acid	5.200	0.000	0.000	0.000	5.300
Nickel (and its compounds)	1.519	0.000	2.439	0.100	4.058
Hydrogen fluoride	3.171	0.000	0.072	0.000	3.244
Mercury (and its compounds)	2.250	0.000	0.065	0.005	2.320
Asbestos (friable form)	0.700	0.000	0.000	0.000	0.919
Hydrogen cyanide	0.190	0.000	0.000	0.000	0.190
Chlorine	0.120	0.000	0.000	0.000	0.120
Acrylamide	0.000	0.000	0.000	0.000	0.100
Aluminum (fume or dust)	0.000	0.000	0.000	0.002	0.002
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000
Molybdenum trioxide	0.000	0.000	0.000	0.000	0.000
Methyl isobutyl ketone	0.000	0.000	0.000	0.000	0.000
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.000
Total	**1,700.531**	**3,600.000**	**15,023.672**	**79.997**	**20,406.980**

07 – Crude petroleum and natural gas industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Carbon disulphide	3,690.712	0.000	0.000	0.000	3,690.712
Methanol	18.874	925.219	0.000	12.866	960.226
Ammonia (total) [4]	806.712	50.000	0.794	0.000	857.506
Ethylene glycol	55.437	563.993	6.069	54.373	679.882
Diethanolamine (and its salts)	8.821	496.726	0.700	37.596	543.853
Sulphuric acid	461.897	0.000	0.000	0.149	462.049
Xylene (mixed isomers)	445.681	7.348	0.197	1.504	458.107
Toluene	408.707	27.205	0.292	1.027	442.348
Benzene	360.492	51.011	0.295	0.823	417.467
Cyclohexane	186.565	0.000	0.000	0.202	190.908
Propylene	115.509	0.000	0.000	0.000	115.509
Ethylene	64.007	0.000	0.000	0.000	64.007
Ethylbenzene	47.445	5.042	0.000	0.137	53.846
1,2,4-Trimethylbenzene	34.860	0.010	0.000	0.534	35.964
Asbestos (friable form)	0.000	0.000	0.000	25.440	25.440
Vanadium (fume or dust)	18.400	0.000	0.000	0.000	18.400
Chlorine	6.560	10.780	0.000	0.000	17.340
Nickel (and its compounds)	5.100	0.000	0.400	0.700	6.200
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	3.700	0.000	3.700
1,3-Butadiene	2.853	0.000	0.000	0.000	2.853

07 – Crude petroleum and natural gas industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Naphthalene	2.580	0.000	0.000	0.200	2.780
Cumene	2.360	0.000	0.000	0.042	2.402
Isopropyl alcohol	0.000	1.441	0.000	0.000	1.441
o-Xylene	0.000	0.000	0.000	0.000	0.219
Hydrochloric acid	0.020	0.000	0.000	0.100	0.120
Methyl ethyl ketone	0.000	0.090	0.000	0.000	0.090
Phenol (and its salts)	0.000	0.000	0.000	0.000	0.000
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000
Molybdenum trioxide	0.000	0.000	0.000	0.000	0.000
Total	**6,743.592**	**2,138.865**	**12.447**	**135.693**	**9,053.369**

09 – Service industries incidental to mineral extraction

Pollutant	Air	Underground	Water	Land	Total releases [3]
Xylene (mixed isomers)	1.978	0.000	0.000	0.000	1.978
Methanol	1.182	0.000	0.000	0.000	1.182
Isopropyl alcohol	1.034	0.000	0.000	0.000	1.034
Styrene	0.830	0.000	0.000	0.000	0.830
Toluene	0.726	0.000	0.000	0.000	0.726
1,2,4-Trimethylbenzene	0.291	0.000	0.000	0.000	0.291
Ethylbenzene	0.173	0.000	0.000	0.000	0.173
Ethylene glycol	0.162	0.000	0.000	0.000	0.162
Total	**6.376**	**0.000**	**0.000**	**0.000**	**6.376**

10 – Food industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Ammonia (total) [4]	144.592	0.000	37.506	55.949	238.047
Bromomethane	10.698	0.000	0.000	0.000	10.698
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	1.500	0.000	1.500
Hydrochloric acid	0.100	0.000	0.000	0.000	1.175
Phosphoric acid	0.000	0.000	0.000	0.000	0.100
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000
Selenium (and its compounds)	0.000	0.000	0.000	0.000	0.000
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Formaldehyde	0.000	0.000	0.000	0.000	0.000
Chlorine dioxide	0.000	0.000	0.000	0.000	0.000

10 – Food industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Nitric acid	0.000	0.000	0.000	0.000	0.000
Peracetic acid (and its salts)	0.000	0.000	0.000	0.000	0.000
Total	**155.390**	**0.000**	**39.006**	**55.949**	**251.520**

11 – Beverage industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Ammonia (total) [4]	10.330	0.000	0.000	0.000	10.330
Phosphoric acid	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000
Total	**10.330**	**0.000**	**0.000**	**0.000**	**10.330**

15 – Rubber products industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Xylene (mixed isomers)	863.934	0.000	0.000	0.000	863.934
Toluene	482.252	0.000	0.000	0.000	482.252
Ethylbenzene	182.998	0.000	0.000	0.000	182.998
Bis(2-ethylhexyl) phthalate	22.600	0.000	0.000	14.300	36.900
Methyl ethyl ketone	26.480	0.000	0.000	0.000	26.480
Trichloroethylene	24.400	0.000	0.000	0.000	24.400
Zinc (and its compounds)	4.631	0.000	0.341	11.194	16.980
Methyl isobutyl ketone	15.382	0.000	0.000	0.000	15.382
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	2.900	2.900
Antimony (and its compounds)	2.000	0.000	0.000	0.000	2.000
Copper (and its compounds)	0.000	0.000	0.010	1.540	1.550
Epichlorohydrin	1.000	0.000	0.000	0.000	1.000
Ammonia (total) [4]	0.000	0.000	0.372	0.000	0.372
Cobalt (and its compounds)	0.001	0.000	0.000	0.125	0.126
Styrene	0.000	0.000	0.000	0.000	0.100
1,3-Butadiene	0.000	0.000	0.000	0.000	0.100
Lead (and its compounds)	0.037	0.000	0.000	0.000	0.044
Bis(2-ethylhexyl) adipate	0.017	0.000	0.000	0.000	0.017
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Acrylonitrile	0.000	0.000	0.000	0.000	0.000
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000
Di-*n*-octyl phthalate	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000
Total	**1,625.732**	**0.000**	**0.723**	**30.059**	**1,657.535**

16 – Plastic products industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Methyl ethyl ketone	1,381.161	0.000	0.000	0.000	1,381.386
Dichloromethane	1,351.400	0.000	0.000	0.000	1,351.400
Acetone	620.142	0.000	0.000	0.000	620.367
Toluene	545.717	0.000	0.000	0.000	545.942
Isopropyl alcohol	325.191	0.000	0.000	0.000	325.316
Styrene	231.817	0.000	0.100	0.000	232.242
Xylene (mixed isomers)	186.414	0.000	1.032	0.000	188.171
Methanol	159.222	0.000	1.099	0.000	160.356
Chloroethane	135.328	0.000	0.000	0.000	135.328
n-Butyl alcohol	108.203	0.000	14.438	0.000	122.866
Methyl isobutyl ketone	64.980	0.000	0.000	0.000	65.205
Formaldehyde	1.362	0.000	45.859	0.000	47.321
Ethylbenzene	37.760	0.000	0.000	0.000	37.760
Trichloroethylene	35.247	0.000	0.000	0.000	35.247
Bis(2-ethylhexyl) phthalate	0.751	0.000	0.000	18.338	19.095
2-Ethoxyethanol	8.000	0.000	0.000	0.000	8.000
Ammonia (total) [4]	0.127	0.000	7.773	0.000	8.000
2-Methoxyethanol	6.300	0.000	0.000	0.000	6.300
Bis(2-ethylhexyl) adipate	0.000	0.000	4.006	1.176	5.182
Methyl methacrylate	4.036	0.000	0.000	0.000	4.136
Antimony (and its compounds)	0.100	0.000	0.000	3.000	3.272
Acrylonitrile	2.043	0.000	0.520	0.000	2.788
Methylene*bis*(phenylisocyanate)	1.003	0.000	0.000	0.100	2.010
i-Butyl alcohol	0.015	0.000	0.972	0.000	1.087
Toluenediisocyanate (mixed isomers)	0.281	0.000	0.000	0.000	0.650
Phosphoric acid	0.000	0.000	0.000	0.000	0.400
Ethylene	0.000	0.000	0.000	0.000	0.225
Vinyl chloride	0.000	0.000	0.000	0.000	0.225
Propylene	0.000	0.000	0.000	0.000	0.225
Propylene oxide	0.000	0.000	0.000	0.000	0.200
1,2,4-Trimethylbenzene	0.200	0.000	0.000	0.000	0.200
Epichlorohydrin	0.000	0.000	0.000	0.000	0.125
Ethylene glycol	0.000	0.000	0.000	0.000	0.125
Cyclohexane	0.000	0.000	0.000	0.000	0.125
2-Nitropropane	0.000	0.000	0.000	0.000	0.125
Phenol (and its salts)	0.023	0.000	0.000	0.000	0.123
1,3-Butadiene	0.113	0.000	0.000	0.000	0.113
Lead (and its compounds)	0.000	0.000	0.000	0.000	0.108
Phthalic anhydride	0.000	0.000	0.000	0.000	0.100
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.100
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.100
Cadmium (and its compounds)	0.100	0.000	0.000	0.000	0.100
Styrene oxide	0.000	0.000	0.000	0.000	0.100

16 – Plastic products industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases (3)
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.100
Dibutyl phthalate	0.000	0.000	0.000	0.000	0.100
Sulphuric acid	0.000	0.000	0.000	0.000	0.100
Hydrochloric acid	0.000	0.000	0.000	0.000	0.100
Hydrogen cyanide	0.000	0.000	0.000	0.000	0.100
Nitric acid	0.000	0.000	0.000	0.000	0.100
p,p'-Methylenedianiline	0.000	0.000	0.000	0.000	0.100
Ethyl acrylate	0.000	0.000	0.000	0.000	0.100
Di-*n*-octyl phthalate	0.000	0.000	0.000	0.000	0.071
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.018
Maleic anhydride	0.017	0.000	0.000	0.000	0.017
Acrylic acid (and its salts)	0.011	0.000	0.000	0.000	0.011
Diethanolamine (and its salts)	0.000	0.000	0.000	0.000	0.002
Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000
C.I. acid green 3	0.000	0.000	0.000	0.000	0.000
Toluene-2,4-diisocyanate	0.000	0.000	0.000	0.000	0.000
Butyl benzyl phthalate	0.000	0.000	0.000	0.000	0.000
Total	**5,207.064**	**0.000**	**75.799**	**22.614**	**5,313.165**

17 – Leather and allied products industries

Pollutant	Air	Underground	Water	Land	Total releases (3)
Acetone	13.854	0.000	0.000	0.000	13.854
Toluene	10.558	0.000	0.000	0.000	10.558
Xylene (mixed isomers)	7.300	0.000	0.000	0.000	7.300
Ammonia (total) (4)	0.500	0.000	0.000	0.000	0.500
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.000
Total	**32.212**	**0.000**	**0.000**	**0.000**	**32.212**

18 – Primary textile industries

Pollutant	Air	Underground	Water	Land	Total releases (3)
Sulphuric acid	0.000	0.000	109.000	0.000	109.000
Acetaldehyde	32.326	0.000	0.000	0.000	32.326
Xylene (mixed isomers)	29.000	0.000	0.000	0.000	29.000
Biphenyl	7.641	0.000	0.060	0.059	7.760
1,4-Dioxane	1.861	0.000	4.764	0.000	6.625
Butyl benzyl phthalate	2.100	0.000	0.000	0.000	2.100
Tetrachloroethylene	0.000	0.000	0.000	0.000	0.700
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.422

18 – Primary textile industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Ethylene glycol	0.300	0.000	0.100	0.000	0.400
Phosphoric acid	0.002	0.000	0.000	0.000	0.002
Chlorine	0.000	0.000	0.000	0.000	0.000
Methanol	0.000	0.000	0.000	0.000	0.000
Phenol (and its salts)	0.000	0.000	0.000	0.000	0.000
Total	**73.230**	**0.000**	**113.924**	**0.059**	**188.335**

19 – Textile products industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Toluene	254.229	0.000	0.000	0.000	254.229
Methyl ethyl ketone	250.023	0.000	0.000	0.000	250.023
Phenol (and its salts)	125.000	0.000	0.000	0.000	125.000
Ammonia (total) [4]	100.000	0.000	0.000	0.000	100.000
Acetone	93.875	0.000	0.000	0.000	93.875
Isopropyl alcohol	45.704	0.000	0.000	0.000	45.704
Xylene (mixed isomers)	25.896	0.000	0.000	0.000	25.896
Tetrachloroethylene	8.200	0.000	0.000	0.000	8.200
Sulphuric acid	0.500	0.000	0.000	0.100	0.600
Lead (and its compounds)	0.200	0.000	0.000	0.000	0.200
Trichloroethylene	0.175	0.000	0.000	0.000	0.175
Toluenediisocyanate (mixed isomers)	0.001	0.000	0.000	0.000	0.001
Total	**903.803**	**0.000**	**0.000**	**0.100**	**903.903**

25 – Wood industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Formaldehyde	554.680	0.000	0.000	0.000	554.680
Toluene	145.785	0.000	0.000	0.000	145.785
Methanol	121.945	0.000	0.000	0.000	121.945
Acetone	90.883	0.000	0.000	0.000	90.883
Xylene (mixed isomers)	64.433	0.000	0.000	0.000	64.433
Phenol (and its salts)	50.705	0.000	0.000	0.000	50.705
n-Butyl alcohol	32.506	0.000	0.000	0.000	32.506
Benzene	26.280	0.000	0.000	0.000	26.280
Methyl ethyl ketone	26.169	0.000	0.000	0.000	26.169
Styrene	21.129	0.000	0.000	0.000	21.129
Ammonia (total) [4]	18.343	0.000	0.000	0.000	18.343
Methyl isobutyl ketone	9.139	0.000	0.000	0.000	9.139
Isopropyl alcohol	8.289	0.000	0.000	0.000	8.289
Ethylbenzene	4.554	0.000	0.000	0.000	4.554
m-Xylene	4.446	0.000	0.000	0.000	4.446
i-Butyl alcohol	3.783	0.000	0.000	0.000	3.783
p-Xylene	2.698	0.000	0.000	0.000	2.698

25 – Wood industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
2-Ethoxyethyl acetate	0.873	0.000	0.000	0.000	0.873
Naphthalene	0.514	0.000	0.000	0.000	0.514
Methylene*bis*(phenylisocyanate)	0.276	0.000	0.000	0.000	0.276
Dichloromethane	0.203	0.000	0.000	0.000	0.203
Chromium (and its compounds)	0.000	0.000	0.011	0.000	0.107
Arsenic (and its compounds)	0.000	0.000	0.007	0.074	0.097
tert-Butyl alcohol	0.059	0.000	0.000	0.000	0.059
Copper (and its compounds)	0.000	0.000	0.004	0.000	0.041
Toluenediisocyanate (mixed isomers)	0.005	0.000	0.000	0.000	0.005
Chlorobenzene	0.002	0.000	0.000	0.000	0.002
Ethylene glycol	0.002	0.000	0.000	0.000	0.002
Biphenyl	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000
Anthracene	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Total	**1,187.701**	**0.000**	**0.022**	**0.074**	**1,187.946**

26 – Furniture and fixture industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Xylene (mixed isomers)	201.909	0.000	0.000	0.000	201.909
Toluene	166.325	0.000	0.000	0.000	166.325
Methyl ethyl ketone	73.091	0.000	0.000	0.000	73.091
Dichloromethane	37.126	0.000	0.000	0.000	37.126
n-Butyl alcohol	21.301	0.000	0.000	0.000	21.301
Isopropyl alcohol	18.569	0.000	0.000	0.000	18.569
Acetone	16.206	0.000	0.000	0.000	16.206
Methanol	13.717	0.000	0.000	0.000	13.717
i-Butyl alcohol	13.448	0.000	0.000	0.000	13.448
Trichloroethylene	13.000	0.000	0.000	0.000	13.000
Methyl isobutyl ketone	11.990	0.000	0.000	0.000	11.990
Aluminum (fume or dust)	1.410	0.000	0.000	0.000	1.410
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.140
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.120
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.090
Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.060
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.050
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.050
Toluenediisocyanate (mixed isomers)	0.002	0.000	0.000	0.000	0.002
Diethanolamine (and its salts)	0.000	0.000	0.000	0.000	0.000
Total	**588.094**	**0.000**	**0.000**	**0.000**	**588.604**

27 – Paper and allied products industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Methanol	9,860.844	0.000	9,899.366	7.629	19,767.939
Sulphuric acid	260.471	0.000	1,765.253	0.000	2,026.434
Ammonia (total) [4]	109.080	0.000	1,481.320	0.000	1,591.227
Chlorine	1,119.552	0.000	19.536	0.000	1,139.798
Chlorine dioxide	1,058.504	0.000	0.000	0.000	1,058.504
Toluene	959.342	0.000	0.000	0.000	959.342
Xylene (mixed isomers)	793.700	0.000	0.000	0.000	793.700
Methyl ethyl ketone	602.258	0.000	2.401	0.000	604.659
Hydrochloric acid	571.359	0.000	2.183	0.000	574.072
Formaldehyde	18.240	0.000	295.300	0.170	313.710
Chloroform	234.416	0.000	4.130	0.000	238.546
Isopropyl alcohol	200.974	0.000	0.000	0.000	200.974
Manganese (and its compounds)	0.000	0.000	67.000	111.000	178.000
Phenol (and its salts)	130.910	0.000	38.357	0.040	169.807
Acetone	72.090	0.000	1.422	0.000	73.512
Ethylene glycol	5.915	0.000	36.810	0.010	42.735
Methyl isobutyl ketone	31.500	0.000	0.000	0.000	31.500
n-Butyl alcohol	20.400	0.000	0.000	0.000	20.400
Acetaldehyde	19.109	0.000	0.000	0.000	19.109
Chromium (and its compounds)	0.000	0.000	6.920	10.690	18.510
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	16.373	0.000	16.473
Zinc (and its compounds)	0.000	0.000	4.600	7.600	12.200
Acrylamide	0.000	0.000	5.700	0.000	5.700
Asbestos (friable form)	0.000	0.000	0.000	3.000	3.000
Aluminum (fume or dust)	0.000	0.000	1.300	0.000	1.300
Diethanolamine (and its salts)	0.800	0.000	0.000	0.000	0.800
Phosphoric acid	0.000	0.000	0.000	0.000	0.100
Nitrilotriacetic acid (and its salts)	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000
Tetrachloroethylene	0.000	0.000	0.000	0.000	0.000
Total	**16,069.464**	**0.000**	**13,647.971**	**140.139**	**29,862.051**

28 – Printing, publishing and allied industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Toluene	527.577	0.000	6.011	0.000	533.588
Isopropyl alcohol	353.854	0.000	0.000	0.000	353.854
Methanol	113.113	0.000	0.000	0.000	113.113
Methyl ethyl ketone	83.028	0.000	0.000	0.000	83.028
Acetone	34.764	0.000	0.000	0.000	34.764
Cyclohexane	14.620	0.000	0.138	0.000	14.758
Xylene (mixed isomers)	10.800	0.000	0.089	0.000	10.889
Tetrachloroethylene	8.028	0.000	0.000	0.000	8.028
n-Butyl alcohol	2.620	0.000	0.000	0.000	2.620
Nitric acid	0.000	0.000	0.000	0.000	0.500
Total	**1,148.404**	**0.000**	**6.238**	**0.000**	**1,155.142**

29 – Primary metal industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Zinc (and its compounds)	449.017	0.000	92.605	3,722.749	4,264.994
Sulphuric acid	3,186.567	0.000	0.200	0.000	3,187.851
Manganese (and its compounds)	53.673	0.000	15.975	2,949.090	3,019.318
Copper (and its compounds)	418.835	0.000	10.140	1,306.529	1,737.195
Hydrogen fluoride	1,615.500	0.000	0.000	0.000	1,615.500
Lead (and its compounds)	522.128	0.000	18.091	795.314	1,337.725
Aluminum (fume or dust)	17.125	0.000	0.000	1,197.850	1,215.655
Ammonia (total) [4]	418.564	0.000	672.767	0.000	1,091.331
Benzene	896.023	0.000	0.013	0.150	896.186
Nickel (and its compounds)	617.659	0.000	41.422	101.202	761.040
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	749.360	0.000	749.360
Trichloroethylene	418.912	0.000	0.000	0.000	418.912
Chromium (and its compounds)	6.350	0.000	16.186	308.628	333.705
Hydrochloric acid	177.335	0.000	0.900	0.576	179.402
Vanadium (fume or dust)	0.096	0.000	0.003	132.590	132.700
Toluene	95.208	0.000	0.025	0.010	95.243
Chlorine	88.673	0.000	0.981	0.000	90.654
Isopropyl alcohol	82.000	0.000	0.000	0.000	82.558
Ethylene	65.573	0.000	0.000	0.000	65.573
Styrene	54.413	0.000	0.002	0.001	55.316
Arsenic (and its compounds)	50.390	0.000	2.290	0.000	52.815
Xylene (mixed isomers)	49.164	0.000	0.002	0.004	50.070
Ethylene glycol	0.080	0.000	25.146	13.515	38.741
Cadmium (and its compounds)	11.704	0.000	1.084	24.800	38.528
Methanol	21.320	0.000	7.760	0.000	29.097
Propylene	28.470	0.000	0.000	0.000	28.470
Cobalt (and its compounds)	13.086	0.000	1.130	8.970	23.296
Acetone	22.900	0.000	0.000	0.000	22.900
Naphthalene	17.995	0.000	0.091	0.050	18.136

29 – Primary metal industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases (3)
Phenol (and its salts)	0.300	0.000	10.000	0.000	10.723
Antimony (and its compounds)	2.230	0.000	0.000	3.100	5.543
1,2,4-Trimethylbenzene	5.082	0.000	0.000	0.000	5.082
Selenium (and its compounds)	0.010	0.000	2.500	0.000	3.913
Cyanides (ionic)	0.000	0.000	3.271	0.000	3.271
Formaldehyde	1.800	0.000	0.000	0.000	1.800
Ethylbenzene	1.490	0.000	0.000	0.000	1.490
Anthracene	0.890	0.000	0.000	0.010	0.900
Silver (and its compounds)	0.000	0.000	0.034	0.008	0.803
Molybdenum trioxide	0.015	0.000	0.000	0.000	0.415
Aluminum oxide (fibrous forms)	0.189	0.000	0.000	0.000	0.289
Nitric acid	0.031	0.000	0.000	0.000	0.231
Bis(2-ethylhexyl) adipate	0.200	0.000	0.000	0.000	0.200
Phosphoric acid	0.000	0.000	0.000	0.000	0.128
Mercury (and its compounds)	0.000	0.000	0.000	0.000	0.002
Methylene*bis*(phenylisocyanate)	0.001	0.000	0.000	0.000	0.001
Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000
Thiourea	0.000	0.000	0.000	0.000	0.000
Dichloromethane	0.000	0.000	0.000	0.000	0.000
Hydrazine (and its salts)	0.000	0.000	0.000	0.000	0.000
Decabromodiphenyl oxide	0.000	0.000	0.000	0.000	0.000
Total	**9,410.998**	**0.000**	**1,671.978**	**10,565.146**	**21,667.062**

30 – Fabricated metal products industries (except machinery and transport equipment)

Pollutant	Air	Underground	Water	Land	Total releases (3)
Xylene (mixed isomers)	696.236	0.000	0.000	0.000	696.364
n-Butyl alcohol	394.814	0.000	0.000	0.000	395.562
Trichloroethylene	170.100	0.000	0.000	0.000	170.100
Toluene	139.674	0.000	0.000	0.000	139.795
Methyl ethyl ketone	135.498	0.000	0.000	0.000	136.130
Tetrachloroethylene	109.380	0.000	0.000	0.000	109.380
Methyl isobutyl ketone	52.282	0.000	0.000	0.000	52.934
Acetone	45.801	0.000	0.000	0.000	45.801
Dichloromethane	40.986	0.000	0.000	0.000	40.986
Sulphuric acid	10.376	0.000	18.000	0.090	30.191
Isopropyl alcohol	20.211	0.000	0.000	0.000	20.211
sec-Butyl alcohol	17.000	0.000	0.000	0.000	17.000
Hydrochloric acid	11.661	0.000	0.000	0.000	11.761
i-Butyl alcohol	11.000	0.000	0.000	0.000	11.000
Zinc (and its compounds)	1.183	0.000	0.490	0.000	5.558
Chromium (and its compounds)	2.571	0.000	0.000	1.350	4.426
2-Ethoxyethyl acetate	3.266	0.000	0.000	0.000	3.266
Manganese (and its compounds)	1.105	0.000	0.019	0.692	3.260
Ethylbenzene	1.683	0.000	0.000	0.000	2.092

30 – Fabricated metal products industries (except machinery and transport equipment) – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Methanol	1.980	0.000	0.000	0.000	1.980
Copper (and its compounds)	0.809	0.000	0.008	0.478	1.720
Nickel (and its compounds)	0.879	0.000	0.015	0.501	1.646
Phosphoric acid	0.000	0.000	0.000	0.000	1.400
Lead (and its compounds)	0.132	0.000	0.160	0.000	1.055
Nitric acid	0.055	0.000	0.000	0.000	0.780
Bis(2-ethylhexyl) phthalate	0.721	0.000	0.000	0.000	0.721
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.101
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.100
Methyl methacrylate	0.054	0.000	0.000	0.000	0.054
Formaldehyde	0.050	0.000	0.000	0.000	0.050
Aluminum (fume or dust)	0.010	0.000	0.000	0.000	0.010
Hydrogen fluoride	0.010	0.000	0.000	0.000	0.010
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	0.000	0.004
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.000
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000
Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000
Total	**1,869.527**	**0.000**	**18.692**	**3.111**	**1,905.448**

31 – Machinery industries (except electrical machinery)

Pollutant	Air	Underground	Water	Land	Total releases [3]
Chromium (and its compounds)	0.100	0.000	0.000	290.000	290.100
1,2,4-Trimethylbenzene	30.117	0.000	0.000	0.000	30.117
Xylene (mixed isomers)	25.897	0.000	0.000	0.000	25.897
Sulphuric acid	0.000	0.000	22.000	0.000	22.000
Toluene	6.953	0.000	0.000	0.000	7.053
Manganese (and its compounds)	0.100	0.000	0.000	5.000	5.120
Vanadium (fume or dust)	2.800	0.000	0.000	0.000	2.800
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	0.000	0.000
Total	**65.967**	**0.000**	**22.000**	**295.000**	**383.087**

32 – Transportation equipment industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Xylene (mixed isomers)	3,303.365	0.000	0.000	0.000	3,303.384
Toluene	1,229.937	0.000	0.000	0.000	1,229.973
Acetone	771.795	0.000	0.000	0.000	771.825
n-Butyl alcohol	634.119	0.000	0.000	0.000	634.119
Methyl ethyl ketone	443.810	0.000	0.000	0.000	443.810

32 – Transportation equipment industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Isopropyl alcohol	405.453	0.000	0.000	0.000	406.498
Methyl isobutyl ketone	361.668	0.000	0.000	0.000	361.668
Methanol	256.215	0.000	0.000	0.000	256.215
Styrene	178.165	0.000	0.000	4.730	182.895
Ethylbenzene	165.059	0.000	0.000	0.000	165.063
i-Butyl alcohol	119.705	0.000	0.000	0.000	119.705
1,2,4-Trimethylbenzene	64.039	0.000	0.000	0.000	64.039
Trichloroethylene	53.742	0.000	0.000	0.000	53.742
Ammonia (total) [4]	34.451	0.000	0.000	0.000	34.451
Dichloromethane	26.033	0.000	0.000	0.000	26.045
Phenol (and its salts)	15.125	0.000	1.560	0.573	17.258
Ethylene glycol	13.897	0.000	0.003	0.000	14.459
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	7.400	0.000	7.400
Manganese (and its compounds)	3.681	0.000	1.205	0.000	6.215
Copper (and its compounds)	5.644	0.000	0.005	0.000	6.051
Zinc (and its compounds)	3.220	0.000	0.405	0.340	5.004
Hydrochloric acid	4.170	0.000	0.000	0.000	4.567
Chromium (and its compounds)	1.690	0.000	0.014	0.000	3.325
Nickel (and its compounds)	1.502	0.000	0.000	0.000	2.321
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	1.717
Formaldehyde	1.681	0.000	0.000	0.000	1.681
Lead (and its compounds)	0.172	0.000	0.009	0.000	0.593
Asbestos (friable form)	0.447	0.000	0.000	0.000	0.447
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.446
Sulphuric acid	0.331	0.000	0.000	0.000	0.365
Toluene-2,4-diisocyanate	0.000	0.000	0.000	0.000	0.300
o-Dichlorobenzene	0.300	0.000	0.000	0.000	0.300
Phosphoric acid	0.196	0.000	0.000	0.000	0.196
Cresol (mixed isomers and their salts)	0.100	0.000	0.000	0.000	0.100
Butyl benzyl phthalate	0.073	0.000	0.000	0.000	0.073
Methyl *tert*-butyl ether	0.052	0.000	0.000	0.000	0.052
Nitric acid	0.017	0.000	0.000	0.000	0.017
Toluenediisocyanate (mixed isomers)	0.015	0.000	0.000	0.000	0.015
Diethanolamine (and its salts)	0.003	0.000	0.000	0.000	0.003
2-Ethoxyethyl acetate	0.000	0.000	0.000	0.000	0.002
2-Ethoxyethanol	0.000	0.000	0.000	0.000	0.002
Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.001
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.001
Vinylidene chloride	0.000	0.000	0.000	0.000	0.000
Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	0.000	0.000
Total	**8,099.872**	**0.000**	**10.601**	**5.643**	**8,126.343**

33 – Electrical and electronic products industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Xylene (mixed isomers)	78.850	0.000	0.000	0.000	78.850
Toluene	43.148	0.000	0.000	0.000	43.148
Isopropyl alcohol	38.096	0.000	0.000	0.000	38.196
Trichloroethylene	29.494	0.000	0.065	0.000	29.559
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	2.380	26.645	29.025
Ammonia (total) [4]	18.253	0.000	10.438	0.000	28.691
1,2,4-Trimethylbenzene	13.300	0.000	0.000	0.000	13.300
Tetrachloroethylene	10.390	0.000	0.000	0.000	10.390
n-Butyl alcohol	9.500	0.000	0.000	0.000	9.500
Copper (and its compounds)	0.015	0.000	0.019	4.405	5.893
Lead (and its compounds)	2.692	0.000	0.155	0.698	4.925
Phenol (and its salts)	3.200	0.000	0.000	0.000	3.200
Cresol (mixed isomers and their salts)	2.000	0.000	0.000	0.000	2.000
Hydrochloric acid	1.710	0.000	0.000	0.000	1.710
Nitric acid	0.000	0.000	0.000	0.000	0.793
Zinc (and its compounds)	0.144	0.000	0.019	0.572	0.735
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.612
Sulphuric acid	0.000	0.000	0.000	0.000	0.569
Cumene	0.000	0.000	0.000	0.000	0.500
m-Xylene	0.000	0.000	0.000	0.000	0.500
Methanol	0.000	0.000	0.000	0.000	0.300
2-Ethoxyethyl acetate	0.000	0.000	0.000	0.000	0.300
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.100
Formaldehyde	0.100	0.000	0.000	0.000	0.100
Vinyl chloride	0.000	0.000	0.000	0.000	0.100
Manganese (and its compounds)	0.100	0.000	0.000	0.000	0.100
Toluenediisocyanate (mixed isomers)	0.000	0.000	0.000	0.000	0.010
Phosphoric acid	0.000	0.000	0.000	0.000	0.006
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.000
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000
Hydrogen fluoride	0.000	0.000	0.000	0.000	0.000
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.000
Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	0.000	0.000
Vinyl acetate	0.000	0.000	0.000	0.000	0.000
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.000
Total	**250.992**	**0.000**	**13.076**	**32.320**	**303.112**

35 – Non-metallic mineral products industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Ammonia (total) [4]	285.226	0.000	0.066	0.000	285.292
Toluene	239.593	0.000	0.000	0.000	239.693
Xylene (mixed isomers)	186.620	0.000	0.000	0.000	186.620
Isopropyl alcohol	69.550	0.000	55.596	0.000	125.146

35 – Non-metallic mineral products industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Formaldehyde	114.749	0.000	0.046	0.000	114.925
Methanol	100.958	0.000	0.000	0.000	100.958
Dichloromethane	60.000	0.000	0.000	0.000	60.100
Hydrogen fluoride	43.900	0.000	0.000	0.000	43.900
Hydrochloric acid	25.600	0.000	0.000	0.000	25.600
Methyl ethyl ketone	24.224	0.000	0.000	0.000	24.224
Phenol (and its salts)	21.091	0.000	0.000	0.000	21.191
1,2,4-Trimethylbenzene	16.427	0.000	0.000	0.000	16.427
n-Butyl alcohol	12.106	0.000	0.000	0.000	12.106
Zinc (and its compounds)	7.728	1.330	0.025	0.000	9.183
Acetone	5.161	0.000	0.000	0.000	5.161
Cyclohexane	3.771	0.000	0.000	0.000	3.771
Chromium (and its compounds)	0.298	0.000	0.032	2.800	3.134
Manganese (and its compounds)	0.000	0.000	0.000	0.700	1.892
Lead (and its compounds)	1.600	0.000	0.000	0.000	1.601
Phosphoric acid	0.000	0.000	0.000	0.000	0.210
1,2-Dichloroethane	0.000	0.000	0.000	0.000	0.100
Tetrachloroethylene	0.000	0.000	0.000	0.000	0.100
Ethylene glycol	0.000	0.000	0.000	0.000	0.100
Trichloroethylene	0.000	0.000	0.000	0.000	0.100
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.000
Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000
Total	**1,218.602**	**1.330**	**55.765**	**3.500**	**1,281.534**

36 – Refined petroleum and coal products industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Ammonia (total) [4]	284.748	5,066.300	140.712	0.000	5,491.760
Toluene	853.988	16.471	0.577	1.653	872.689
Xylene (mixed isomers)	725.322	10.570	0.917	0.865	738.074
Propylene	554.594	0.000	0.000	0.000	554.594
Methanol	493.327	0.000	0.000	0.010	493.337
Benzene	406.826	19.090	0.341	0.576	426.833
Ethylene	330.655	0.000	0.000	0.000	331.535
Methyl ethyl ketone	239.070	0.000	0.000	0.000	239.070
Cyclohexane	164.412	0.000	0.100	0.921	165.433
1,2,4-Trimethylbenzene	142.891	0.560	0.140	0.236	143.827
Ethylbenzene	141.774	1.400	0.228	0.277	143.679
Sulphuric acid	108.489	0.000	0.000	0.000	108.489
Methyl isobutyl ketone	101.650	0.000	0.000	1.800	103.450
Methyl *tert*-butyl ether	92.867	0.000	0.007	0.000	92.874
Vanadium (fume or dust)	70.906	0.000	0.000	1.346	72.252
Hydrochloric acid	39.698	5.890	0.000	0.000	45.588
Isopropyl alcohol	40.299	0.000	0.000	0.000	40.299

36 – Refined petroleum and coal products industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Diethanolamine (and its salts)	12.008	0.000	24.780	0.000	37.688
Naphthalene	28.478	0.040	0.055	0.060	28.633
Acetone	25.700	0.000	0.080	0.000	25.780
Cumene	20.492	0.030	0.030	0.000	21.541
1,3-Butadiene	17.690	0.000	0.000	0.000	17.779
Nickel (and its compounds)	15.792	0.000	0.000	1.861	17.658
Phenol (and its salts)	9.085	4.392	1.287	0.000	14.864
Ethylene glycol	10.730	0.000	0.000	0.600	11.330
m-Xylene	6.780	0.000	0.000	0.000	6.780
Zinc (and its compounds)	0.000	0.070	0.831	4.241	5.142
Styrene	4.740	0.000	0.000	0.000	4.740
o-Xylene	3.751	0.000	0.000	0.000	3.751
Biphenyl	3.123	0.000	0.000	0.000	3.123
p-Xylene	2.920	0.000	0.000	0.000	2.920
Anthracene	1.090	0.000	0.000	0.000	1.506
Chlorine	1.230	0.000	0.063	0.000	1.293
Manganese (and its compounds)	0.201	0.000	0.033	0.840	1.174
Copper (and its compounds)	0.000	0.000	0.037	0.620	0.657
Arsenic (and its compounds)	0.000	0.000	0.020	0.310	0.330
Nitric acid	0.300	0.000	0.000	0.000	0.300
Molybdenum trioxide	0.260	0.000	0.000	0.000	0.260
Lead (and its compounds)	0.000	0.040	0.030	0.078	0.148
Phosphoric acid	0.011	0.000	0.000	0.000	0.111
Tetrachloroethylene	0.000	0.000	0.065	0.000	0.065
Antimony (and its compounds)	0.000	0.014	0.000	0.015	0.029
Hydrogen fluoride	0.029	0.000	0.000	0.000	0.029
o-Dichlorobenzene	0.020	0.000	0.000	0.000	0.020
Mercury (and its compounds)	0.000	0.000	0.000	0.012	0.012
Dichloromethane	0.002	0.000	0.000	0.000	0.002
Vinyl chloride	0.000	0.000	0.000	0.000	0.000
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.000
Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000
Butyl benzyl phthalate	0.000	0.000	0.000	0.000	0.000
Carbon tetrachloride	0.000	0.000	0.000	0.000	0.000
Total	**4,955.948**	**5,124.867**	**170.333**	**16.321**	**10,271.448**

37 – Chemical and chemical products industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Ammonia (total) [4]	14,894.490	1,314.000	534.969	14.470	16,762.030
Methanol	6,996.207	1,820.000	36.951	2.332	8,859.902
Cyclohexane	2,620.436	0.000	0.760	0.000	2,621.196
Acetone	1,981.948	260.000	37.833	0.000	2,283.764
Ethylene	1,927.148	0.000	0.000	0.000	1,927.327

37 – Chemical and chemical products industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Nitrate ion in solution (pH ≥ 6.5)	22.100	320.000	798.250	19.300	1,160.280
Methyl ethyl ketone	177.793	930.000	0.000	0.115	1,113.135
Chloromethane	970.780	0.000	0.066	0.000	970.846
Hydrochloric acid	534.808	143.500	6.000	0.001	686.308
Propylene	665.645	0.000	0.000	0.000	665.652
Dichloromethane	622.257	0.000	0.000	0.025	624.002
Toluene	580.005	0.325	2.490	0.417	590.231
Ethylene glycol	440.855	0.000	0.340	1.300	445.370
Benzene	431.070	7.000	6.016	0.010	444.096
Isopropyl alcohol	412.496	0.000	0.100	0.100	417.385
Xylene (mixed isomers)	316.035	0.000	0.652	0.384	327.559
Vinyl acetate	83.078	160.000	0.000	0.585	244.509
Acetaldehyde	94.746	130.000	13.200	0.030	237.976
Styrene	228.722	0.090	0.197	0.101	233.670
Sulphuric acid	83.274	0.000	140.000	0.145	226.545
Asbestos (friable form)	0.000	0.000	0.000	219.860	219.860
1,3-Butadiene	204.757	0.000	0.058	0.002	204.987
Formaldehyde	120.455	40.140	1.767	0.010	164.880
tert-Butyl alcohol	50.478	95.000	0.132	0.002	145.612
Phosphoric acid	1.078	0.000	0.000	111.063	112.971
Diethanolamine (and its salts)	17.631	0.100	0.000	80.000	97.932
Acetonitrile	79.040	0.000	0.015	0.000	79.055
Ethylbenzene	75.372	0.000	0.811	0.075	76.468
1,2,4-Trimethylbenzene	59.818	0.000	0.110	0.315	61.656
Phosphorus (yellow or white)	0.000	0.000	0.002	60.000	60.002
Chloroethane	48.112	0.000	0.000	0.000	48.212
Manganese (and its compounds)	0.112	0.000	40.000	0.000	40.612
p-Xylene	39.350	0.000	0.000	0.000	39.350
Hydrogen fluoride	36.791	0.000	0.000	0.000	36.806
n-Butyl alcohol	22.712	0.000	0.000	0.308	27.058
Ethylene oxide	26.086	0.000	0.000	0.000	26.204
Chlorine	18.797	0.000	2.638	0.000	24.392
Methyl methacrylate	17.591	0.000	0.000	0.000	18.391
Vinyl chloride	17.766	0.000	0.137	0.001	17.911
Methyl isobutyl ketone	16.886	0.000	0.000	0.086	17.763
Maleic anhydride	16.635	0.000	0.000	0.000	16.898
Methyl *tert*-butyl ether	16.725	0.000	0.000	0.000	16.725
m-Xylene	16.355	0.000	0.000	0.000	16.365
Phenol (and its salts)	13.363	0.000	0.739	0.000	15.443
Acrylonitrile	12.974	0.000	0.000	0.000	14.054
Carbon disulphide	10.150	0.005	2.300	0.000	13.455
Tetrachloroethylene	10.941	0.000	0.010	0.000	11.763
Dibutyl phthalate	10.874	0.000	0.000	0.000	10.974
Propylene oxide	10.269	0.000	0.000	0.000	10.269
p-Dichlorobenzene	9.364	0.000	0.000	0.400	9.764

37 – Chemical and chemical products industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
o-Xylene	9.228	0.000	0.000	0.000	9.228
Nitroglycerin	0.000	0.000	9.000	0.000	9.000
Carbon tetrachloride	5.640	0.000	2.129	0.000	7.769
Phthalic anhydride	6.355	0.000	0.000	0.000	7.594
Nickel (and its compounds)	2.420	0.000	1.608	2.368	6.796
1,2-Dichloroethane	5.580	0.000	0.448	0.040	6.068
Aluminum (fume or dust)	0.001	0.000	0.000	4.800	5.705
Cobalt (and its compounds)	4.950	0.000	0.550	0.005	5.705
Naphthalene	4.984	0.000	0.000	0.237	5.431
i-Butyl alcohol	4.338	0.000	0.000	0.000	5.415
Chromium (and its compounds)	2.179	0.260	0.888	0.000	5.099
Biphenyl	4.100	0.000	0.000	0.028	4.428
Copper (and its compounds)	1.205	0.000	1.381	0.532	3.544
Zinc (and its compounds)	0.908	0.000	0.250	0.001	3.302
Nitric acid	2.304	0.000	0.000	0.590	3.294
Aluminum oxide (fibrous forms)	3.000	0.000	0.000	0.000	3.130
Trichloroethylene	2.000	0.000	0.000	0.000	2.640
Titanium tetrachloride	1.800	0.000	0.000	0.000	1.800
Methyl acrylate	1.401	0.000	0.000	0.000	1.501
Molybdenum trioxide	1.400	0.000	0.000	0.000	1.400
Butyl acrylate	0.583	0.000	0.000	0.000	1.349
p,*p*'-Isopropylidenediphenol	0.690	0.000	0.000	0.268	1.128
Ethyl acrylate	0.100	0.000	0.000	0.000	0.990
Acrylic acid (and its salts)	0.663	0.000	0.000	0.000	0.853
Lead (and its compounds)	0.234	0.000	0.060	0.000	0.824
2,4-Dinitrotoluene	0.000	0.000	0.000	0.000	0.700
Nitrilotriacetic acid (and its salts)	0.025	0.000	0.000	0.000	0.626
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.600
Acrylamide	0.314	0.000	0.000	0.000	0.514
1,4-Dioxane	0.000	0.000	0.000	0.000	0.434
Cyanides (ionic)	0.000	0.000	0.000	0.000	0.360
Toluenediisocyanate (mixed isomers)	0.004	0.000	0.000	0.000	0.313
Di-*n*-octyl phthalate	0.180	0.000	0.000	0.000	0.280
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.203
Cresol (mixed isomers and their salts)	0.200	0.000	0.000	0.000	0.200
Cadmium (and its compounds)	0.000	0.000	0.000	0.000	0.200
Antimony (and its compounds)	0.008	0.000	0.023	0.000	0.131
Bis(2-ethylhexyl) phthalate	0.087	0.000	0.000	0.027	0.124
Chlorine dioxide	0.000	0.000	0.000	0.000	0.114
Anthracene	0.100	0.000	0.000	0.000	0.100
sec-Butyl alcohol	0.099	0.000	0.000	0.000	0.099
o-Dichlorobenzene	0.000	0.000	0.000	0.000	0.080
Butyl benzyl phthalate	0.000	0.000	0.000	0.000	0.040
Chloroform	0.035	0.000	0.002	0.000	0.037
Mercury (and its compounds)	0.026	0.000	0.006	0.000	0.032

37 – Chemical and chemical products industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Cumene	0.000	0.000	0.000	0.000	0.030
1,1,2-Trichloroethane	0.020	0.000	0.000	0.000	0.020
Cumene hydroperoxide	0.000	0.000	0.000	0.000	0.020
Phosgene	0.014	0.000	0.000	0.000	0.014
Chlorobenzene	0.010	0.000	0.000	0.000	0.010
Hydroquinone (and its salts)	0.000	0.000	0.000	0.000	0.010
Aniline (and its salts)	0.005	0.000	0.000	0.000	0.010
Benzyl chloride	0.010	0.000	0.000	0.000	0.010
Dimethyl sulphate	0.008	0.000	0.000	0.000	0.008
Epichlorohydrin	0.000	0.000	0.000	0.000	0.008
Bis(2-ethylhexyl) adipate	0.000	0.000	0.000	0.000	0.006
p,p'-Methylene*bis*(2-chloroaniline)	0.000	0.000	0.000	0.000	0.004
2-Ethoxyethyl acetate	0.004	0.000	0.000	0.000	0.004
o-Cresol (and its salts)	0.000	0.000	0.000	0.000	0.002
Decabromodiphenyl oxide	0.000	0.000	0.000	0.000	0.000
Benzoyl peroxide	0.000	0.000	0.000	0.000	0.000
o-Phenylphenol (and its salts)	0.000	0.000	0.000	0.000	0.000
Chloroacetic acid (and its salts)	0.000	0.000	0.000	0.000	0.000
2-Methoxyethanol	0.000	0.000	0.000	0.000	0.000
2-Ethoxyethanol	0.000	0.000	0.000	0.000	0.000
4,6-Dinitro-*o*-cresol (and its salts)	0.000	0.000	0.000	0.000	0.000
Total	**35,131.587**	**5,220.420**	**1,642.888**	**520.333**	**42,606.951**

39 – Other manufacturing industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Methyl ethyl ketone	341.564	0.000	0.000	0.000	341.864
Methanol	48.711	0.000	0.000	0.000	49.760
Trichloroethylene	13.200	0.000	0.000	0.000	13.200
Xylene (mixed isomers)	10.858	0.000	0.000	0.000	10.858
Phosphoric acid	7.420	0.000	0.000	0.100	7.520
Methyl isobutyl ketone	7.299	0.000	0.000	0.000	7.299
Chromium (and its compounds)	0.000	0.000	0.000	5.930	5.930
Butyl benzyl phthalate	4.320	0.000	0.000	0.000	4.320
Acetone	2.530	0.000	0.000	0.000	2.832
Bis(2-ethylhexyl) phthalate	2.489	0.000	0.000	0.000	2.489
1,2,4-Trimethylbenzene	0.000	0.000	0.000	0.000	0.900
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.401
Toluene	0.000	0.000	0.000	0.000	0.300
Dichloromethane	0.000	0.000	0.000	0.000	0.200
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.200
Toluenediisocyanate (mixed isomers)	0.000	0.000	0.000	0.000	0.123
Lead (and its compounds)	0.004	0.000	0.000	0.000	0.104
Naphthalene	0.000	0.000	0.000	0.000	0.100
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.100

39 – Other manufacturing industries – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
p-Xylene	0.000	0.000	0.000	0.000	0.100
Silver (and its compounds)	0.000	0.000	0.000	0.000	0.100
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.100
Ethylene glycol	0.000	0.000	0.000	0.000	0.100
Styrene	0.100	0.000	0.000	0.000	0.100
p-Dichlorobenzene	0.000	0.000	0.000	0.000	0.100
Nickel (and its compounds)	0.000	0.000	0.000	0.001	0.001
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	0.001	0.001
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000
Ethylene oxide	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.000
Cumene hydroperoxide	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000
Propylene	0.000	0.000	0.000	0.000	0.000
Methyl *tert*-butyl ether	0.000	0.000	0.000	0.000	0.000
Ethylene	0.000	0.000	0.000	0.000	0.000
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.000
Total	**438.495**	**0.000**	**0.000**	**6.032**	**449.102**

41 – Industrial and heavy (engineering) construction industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Hydrochloric acid	2,825.700	0.000	0.000	0.000	2,825.700
Ammonia (total) [4]	52.150	0.000	470.887	0.000	523.037
Hydrogen fluoride	128.400	0.000	0.000	0.000	128.400
Asbestos (friable form)	0.000	0.000	0.000	97.727	97.727
Copper (and its compounds)	2.752	0.000	45.440	27.526	75.718
Manganese (and its compounds)	0.286	0.000	0.050	74.143	74.479
Zinc (and its compounds)	0.222	0.000	17.500	16.371	34.093
Chromium (and its compounds)	0.718	0.000	0.041	30.083	30.842
Sulphuric acid	0.000	0.000	17.294	0.000	17.294
Nickel (and its compounds)	0.200	0.000	0.000	13.617	13.817
Chlorine	1.718	0.000	4.450	0.000	6.168
Hydrazine (and its salts)	0.000	0.000	0.000	0.000	0.379
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.000
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000
Chlorine dioxide	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.000
Total	**3,012.146**	**0.000**	**555.662**	**259.467**	**3,827.654**

42 – Trade contracting industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases (3)**
Xylene (mixed isomers)	17.100	0.000	0.000	0.000	17.100
Total	**17.100**	**0.000**	**0.000**	**0.000**	**17.100**

44 – Service industries incidental to construction					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases (3)**
Zinc (and its compounds)	1.081	0.000	0.000	0.000	1.081
Sulphuric acid	0.257	0.000	0.000	0.000	0.257
Hydrochloric acid	0.030	0.000	0.000	0.000	0.030
Ethylene glycol	0.000	0.000	0.000	0.000	0.000
Methanol	0.000	0.000	0.000	0.000	0.000
Total	**1.368**	**0.000**	**0.000**	**0.000**	**1.368**

45 – Transportation industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases (3)**
Ethylene glycol	0.000	0.000	0.000	3,066.810	3,066.910
Copper (and its compounds)	7.697	0.000	0.960	0.000	8.657
Zinc (and its compounds)	5.434	0.000	1.160	0.000	6.594
Lead (and its compounds)	2.121	0.000	0.453	0.000	2.574
Antimony (and its compounds)	0.106	0.000	0.018	0.000	0.124
Arsenic (and its compounds)	0.089	0.000	0.015	0.000	0.104
Methanol	0.000	0.000	0.040	0.000	0.040
Total	**15.447**	**0.000**	**2.646**	**3,066.810**	**3,085.003**

46 – Pipeline transport industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases (3)**
Xylene (mixed isomers)	62.500	0.000	0.000	0.000	62.500
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.000
Total	**62.500**	**0.000**	**0.000**	**0.000**	**62.500**

47 – Storage and warehousing industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases (3)**
Methanol	1.600	0.000	0.000	0.000	1.610
Vinyl acetate	1.500	0.000	0.000	0.000	1.500
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.000
Toluene	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000
Acetone	0.000	0.000	0.000	0.000	0.000
Total	**3.100**	**0.000**	**0.000**	**0.000**	**3.110**

48 – Communication industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Isopropyl alcohol	5.900	0.000	0.000	0.000	5.900
Total	**5.900**	**0.000**	**0.000**	**0.000**	**5.900**

49 – Other utility industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Sulphuric acid	1,397.132	0.000	6.243	0.000	1,403.375
Ammonia (total) [4]	464.963	0.000	137.027	275.067	877.231
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	533.000	0.000	533.000
Asbestos (friable form)	0.000	0.000	0.000	178.000	178.000
Hydrochloric acid	84.870	0.000	0.000	0.000	84.870
Copper (and its compounds)	0.043	0.000	28.902	11.250	40.195
Zinc (and its compounds)	0.116	0.000	35.300	0.000	35.416
Manganese (and its compounds)	0.005	0.000	30.000	0.000	30.005
Chlorine	1.100	0.000	9.750	0.000	10.857
Chromium (and its compounds)	0.012	0.000	7.900	0.000	7.912
Hydrazine (and its salts)	0.009	0.000	1.195	0.000	1.204
Nickel (and its compounds)	0.000	0.000	0.003	0.000	0.003
Chlorine dioxide	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000
Mercury (and its compounds)	0.000	0.000	0.000	0.000	0.000
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.000
Total	**1,948.250**	**0.000**	**789.320**	**464.317**	**3,202.068**

52 – Food, beverage, drug and tobacco industries, wholesale					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Methanol	12.500	0.000	0.000	0.000	12.500
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000
Total	**12.500**	**0.000**	**0.000**	**0.000**	**12.500**

55 – Motor vehicle, parts and accessories industries, wholesale					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Toluene	68.224	0.000	0.000	0.000	68.224
Methyl ethyl ketone	44.835	0.000	0.000	0.000	44.835
Methyl isobutyl ketone	13.866	0.000	0.000	0.000	13.866
Isopropyl alcohol	12.123	0.000	0.000	0.000	12.123
Ethylbenzene	12.003	0.000	0.000	0.000	12.003
Xylene (mixed isomers)	9.236	0.000	0.000	0.000	9.236
Acetone	2.340	0.000	0.000	0.000	2.340
Diethanolamine (and its salts)	0.500	0.000	0.000	0.000	1.000
1,4-Dioxane	0.946	0.000	0.000	0.000	0.946
Formaldehyde	0.000	0.000	0.000	0.000	0.512
Carbon tetrachloride	0.000	0.000	0.000	0.000	0.511

55 – Motor vehicle, parts and accessories industries, wholesale – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Methanol	0.000	0.000	0.000	0.000	0.167
i-Butyl alcohol	0.000	0.000	0.000	0.000	0.125
Chromium (and its compounds)	0.001	0.000	0.015	0.000	0.016
Sulphuric acid	0.010	0.000	0.000	0.000	0.010
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.000
Total	**164.084**	**0.000**	**0.015**	**0.000**	**165.914**

56 – Metals, hardware, plumbing, heating and building materials industries, wholesale

Pollutant	Air	Underground	Water	Land	Total releases [3]
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.100
Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.000
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000
Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000
Arsenic (and its compounds)	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.100**

59 – Other products and industries, wholesale

Pollutant	Air	Underground	Water	Land	Total releases [3]
Dichloromethane	65.302	0.000	0.000	0.000	66.556
Methanol	26.273	0.000	0.000	0.000	28.397
Acetone	19.900	0.000	0.000	0.000	22.245
Methyl ethyl ketone	5.951	0.000	0.000	0.000	8.286
Formaldehyde	5.915	0.000	0.000	0.000	6.135
Toluene	3.141	0.000	0.000	0.000	5.913
Isopropyl alcohol	1.614	0.000	0.000	0.000	4.472
Xylene (mixed isomers)	0.652	0.000	0.000	0.000	1.873
Trichloroethylene	1.300	0.000	0.000	0.000	1.385
Hydrochloric acid	0.000	0.000	0.000	1.000	1.000
Methyl isobutyl ketone	0.400	0.000	0.000	0.000	0.822
Ammonia (total) [4]	0.500	0.000	0.000	0.000	0.600
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.500
n-Butyl alcohol	0.201	0.000	0.000	0.000	0.374
i-Butyl alcohol	0.100	0.000	0.000	0.000	0.269
Tetrachloroethylene	0.100	0.000	0.000	0.000	0.229
Ethylene glycol	0.200	0.000	0.000	0.000	0.217

59 – Other products and industries, wholesale – *continued*

Pollutant	Air	Underground	Water	Land	Total releases [3]
Nitric acid	0.200	0.000	0.000	0.000	0.200
Phosphoric acid	0.108	0.000	0.000	0.000	0.108
Dibutyl phthalate	0.100	0.000	0.000	0.000	0.106
2-Ethoxyethanol	0.100	0.000	0.000	0.000	0.102
Cyclohexane	0.100	0.000	0.000	0.000	0.100
Sulphuric acid	0.100	0.000	0.000	0.000	0.100
Diethanolamine (and its salts)	0.100	0.000	0.000	0.000	0.100
Chlorine	0.000	0.000	0.000	0.000	0.100
Di-*n*-octyl phthalate	0.000	0.000	0.000	0.000	0.097
Styrene	0.000	0.000	0.000	0.000	0.019
Methyl methacrylate	0.000	0.000	0.000	0.000	0.007
2-Ethoxyethyl acetate	0.000	0.000	0.000	0.000	0.002
Methyl *tert*-butyl ether	0.000	0.000	0.000	0.000	0.000
Chloromethane	0.000	0.000	0.000	0.000	0.000
Bis(2-ethylhexyl) adipate	0.000	0.000	0.000	0.000	0.000
Butyl benzyl phthalate	0.000	0.000	0.000	0.000	0.000
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000
Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000
Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	0.000	0.000
Total	**132.357**	**0.000**	**0.000**	**1.000**	**150.314**

63 – Automotive vehicles, parts and accessories, sales and service

Pollutant	Air	Underground	Water	Land	Total releases [3]
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.310
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.120
Sulphuric acid	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.430**

77 – Business service industries

Pollutant	Air	Underground	Water	Land	Total releases [3]
Lead (and its compounds)	0.001	0.000	0.002	0.000	0.003
Chlorine	0.000	0.000	0.000	0.000	0.000
Total	**0.001**	**0.000**	**0.002**	**0.000**	**0.003**

81 – Federal government service industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Ethylene glycol	0.000	0.000	0.000	118.451	118.451
Total	**0.000**	**0.000**	**0.000**	**118.451**	**118.451**

83 – Local government service industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	317.816	0.000	317.816
Chlorine	0.000	0.000	112.266	0.000	112.266
Ammonia (total) [4]	0.000	0.000	53.200	0.000	53.200
Hydrochloric acid	25.400	0.000	0.000	0.000	25.400
Zinc (and its compounds)	0.038	0.000	0.000	0.000	0.038
Manganese (and its compounds)	0.006	0.000	0.000	0.000	0.006
Lead (and its compounds)	0.005	0.000	0.000	0.000	0.005
Toluene	0.000	0.000	0.000	0.000	0.003
Copper (and its compounds)	0.002	0.000	0.000	0.000	0.002
Total	**25.451**	**0.000**	**483.282**	**0.000**	**508.736**

99 – Other service industries					
Pollutant	**Air**	**Underground**	**Water**	**Land**	**Total releases [3]**
Methanol	91.271	0.000	0.000	0.000	91.271
Hydrochloric acid	45.298	0.000	0.000	0.000	45.298
Sulphuric acid	9.800	0.000	0.000	0.000	9.800
Chlorine dioxide	3.337	0.000	0.000	0.000	3.337
Acetone	0.000	0.000	0.000	0.000	0.110
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.110
Methyl ethyl ketone	0.000	0.000	0.000	0.000	0.110
Chlorine	0.000	0.000	0.000	0.000	0.067
Benzene	0.000	0.000	0.000	0.000	0.022
Toluene	0.000	0.000	0.000	0.000	0.017
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.006
Ethylbenzene	0.000	0.000	0.000	0.000	0.005
Styrene	0.000	0.000	0.000	0.000	0.004
Nitric acid	0.000	0.000	0.000	0.000	0.000
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000
Total	**149.706**	**0.000**	**0.000**	**0.000**	**150.157**

Appendix 6 – Pollutants released on site to water bodies[1] (tonnes)

Province	Surface water name	Point of discharge	CAS # [2]	Pollutant	Releases	# reports
Alberta						
	Athabasca River	Boyle	7782-50-5	Chlorine	19.536	1
			NA	Ammonia (total)[3]	3.210	1
		Fort McMurray	NA	Nitrate ion in solution (pH ≥ 6.5)	3.700	1
			NA	Ammonia (total)[3]	0.794	1
			111-42-2	Diethanolamine (and its salts)	0.700	1
			NA	Nickel (and its compounds)	0.400	1
			107-21-1	Ethylene glycol	0.020	1
		Whitecourt	NA	Ammonia (total)[3]	7.600	2
			107-21-1	Ethylene glycol	1.400	1
			NA	Nitrate ion in solution (pH ≥ 6.5)	0.100	1
				Total	**37.460**	**11**
	Battle River	Forestburg	NA	Ammonia (total)[3]	64.267	1
				Total	**64.267**	**1**
	Gold Bar Creek	Edmonton	107-21-1	Ethylene glycol	1.996	1
			NA	Manganese (and its compounds)	0.014	1
			NA	Zinc (and its compounds)	0.014	1
			NA	Lead (and its compounds)	0.002	1
			NA	Nickel (and its compounds)	0.002	1
			NA	Chromium (and its compounds)	0.001	1
				Total	**2.029**	**6**
	Lesser Slave River	Slave Lake	NA	Ammonia (total)[3]	2.018	1
			NA	Nitrate ion in solution (pH ≥ 6.5)	0.373	1
				Total	**2.391**	**2**
	Oldman River	Taber	NA	Ammonia (total)[3]	14.010	1
				Total	**14.010**	**1**
	Peace River	Peace River	NA	Ammonia (total)[3]	45.070	1
			67-66-3	Chloroform	2.230	1
			67-56-1	Methanol	0.000	1
				Total	**47.300**	**3**

(1) Facilities that reported releases to Municipal Sewer Treatment Plants (MSTP) were deleted from this table because, for the NPRI, facilities must report these releases as transfers off site in waste to an MSTP and not as a direct release to surface water. The NPRI database was not altered to reflect the above changes.
(2) A Chemical Abstract Service (CAS) registry number is a unique identifier given to a chemical substance to facilitate the use, interpretation, and cross-referencing of the data.
(3) Ammonia (total) means the total of both ammonia (NH_3) and ammonium ion (NH_4^+) in solution.

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	Saskatchewan River (N)	Edmonton	NA	Ammonia (total)[3]	5.661	5
			NA	Zinc (and its compounds)	0.500	1
			NA	Lead (and its compounds)	0.030	1
			7782-50-5	Chlorine	0.000	1
		Fort Saskatchewan	NA	Ammonia (total)[3]	165.587	2
			NA	Nitrate ion in solution (pH ≥ 6.5)	134.877	1
			NA	Nickel (and its compounds)	1.530	1
			NA	Cobalt (and its compounds)	0.550	1
			NA	Copper (and its compounds)	0.070	1
			107-06-2	1,2-Dichloroethane	0.030	1
			91-20-3	Naphthalene	0.015	1
			67-66-3	Chloroform	0.002	1
			NA	Zinc (and its compounds)	0.000	1
			75-01-4	Vinyl chloride	0.008	1
		Redwater	NA	Nitrate ion in solution (pH ≥ 6.5)	67.073	1
			NA	Ammonia (total)[3]	12.810	1
			108-88-3	Toluene	0.000	1
			111-42-2	Diethanolamine (and its salts)	0.000	1
			67-56-1	Methanol	0.000	1
			7664-38-2	Phosphoric acid	0.000	1
			7664-93-9	Sulphuric acid	0.000	1
				Total	**388.743**	**26**
	Saskatchewan River (S)	Medicine Hat	NA	Nitrate ion in solution (pH ≥ 6.5)	533.000	1
			NA	Ammonia (total)[3]	48.663	2
			NA	Zinc (and its compounds)	0.014	1
				Total	**581.677**	**4**
	Wapiti River	Grande Prairie	NA	Ammonia (total)[3]	38.400	1
				Total	**38.400**	**1**
British Columbia						
	Alberni Inlet	Port Alberni	NA	Ammonia (total)[3]	10.950	1
				Total	**10.950**	**1**
	Albert Head Lagoon	Victoria	7782-50-5	Chlorine	0.033	1
				Total	**0.033**	**1**
	Burrard Inlet	Burnaby	108-95-2	Phenol (and its salts)	0.185	1
		North Vancouver	107-06-2	1,2-Dichloroethane	0.368	1
			107-21-1	Ethylene glycol	0.340	1
			7782-50-5	Chlorine	1.500	1
			NA	Zinc (and its compounds)	1.160	1
			NA	Copper (and its compounds)	0.960	1

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
			NA	Lead (and its compounds)	0.453	1
			67-56-1	Methanol	0.040	1
			NA	Antimony (and its compounds)	0.018	1
			NA	Arsenic (and its compounds)	0.015	1
		Port Moody	NA	Ammonia (total)[3]	0.430	1
			91-20-3	Naphthalene	0.010	1
			7782-50-5	Chlorine	5.600	1
				Total	**11.079**	**13**
	Columbia River	Trail	NA	Zinc (and its compounds)	1,836.700	1
			NA	Ammonia (total)[3]	500.400	1
			NA	Copper (and its compounds)	323.690	1
			NA	Lead (and its compounds)	56.250	1
			NA	Manganese (and its compounds)	16.950	1
			NA	Arsenic (and its compounds)	11.620	1
			NA	Antimony (and its compounds)	7.920	1
			NA	Cadmium (and its compounds)	2.360	1
			NA	Silver (and its compounds)	1.040	1
			NA	Mercury (and its compounds)	0.060	1
				Total	**2,756.990**	**10**
	Discovery Passage	Campbell River	NA	Ammonia (total)[3]	173.000	1
			7647-01-0	Hydrochloric acid	0.310	1
				Total	**173.310**	**2**
	Fraser River	Burnaby	50-00-0	Formaldehyde	19.000	1
			NA	Ammonia (total)[3]	1.500	1
		Prince George	67-56-1	Methanol	1.200	1
		Quesnel	NA	Ammonia (total)[3]	12.000	1
				Total	**33.700**	**4**
	Higginbotham Creek	Endako	NA	Cyanides (ionic)	0.224	1
				Total	**0.224**	**1**
	Kimberley Creek	Kimberley	NA	Zinc (and its compounds)	0.850	1
			NA	Lead (and its compounds)	0.140	1
				Total	**0.990**	**2**
	Kitimat River	Kitimat	67-56-1	Methanol	6.600	1
			NA	Ammonia (total)[3]	2.400	1
				Total	**9.000**	**2**
	Kootenay River	Cranbrook	NA	Ammonia (total)[3]	12.100	1
			67-56-1	Methanol	10.000	1
				Total	**22.100**	**2**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	Langford Lake	Victoria	7782-50-5	Chlorine	0.033	1
				Total	**0.033**	**1**
	MacDonald Creek	Endako	NA	Cyanides (ionic)	0.672	1
				Total	**0.672**	**1**
	Malaspina Strait	Powell River	NA	Ammonia (total)[3]	0.220	1
				Total	**0.220**	**1**
	Muchalat Inlet	Gold River	NA	Ammonia (total)[3]	64.100	1
				Total	**64.100**	**1**
	Myra Creek	Campbell River	NA	Zinc (and its compounds)	1.997	1
			NA	Copper (and its compounds)	0.300	1
			NA	Lead (and its compounds)	0.036	1
				Total	**2.333**	**3**
	Nelson Creek	New Westminster	120-12-7	Anthracene	0.000	1
			91-20-3	Naphthalene	0.000	1
			NA	Arsenic (and its compounds)	0.000	1
			NA	Chromium (and its compounds)	0.000	1
			NA	Copper (and its compounds)	0.000	1
				Total	**0.000**	**5**
	Northumberland Channel	Nanaimo	NA	Ammonia (total)[3]	2.520	1
			67-56-1	Methanol	0.000	1
			7782-50-5	Chlorine	0.000	1
				Total	**2.520**	**3**
	Price Bay	Sooke	7782-50-5	Chlorine	0.100	1
			NA	Ammonia (total)[3]	0.100	1
				Total	**0.200**	**2**
	Quatsino Sound	Port Alice	NA	Ammonia (total)[3]	465.000	1
				Total	**465.000**	**1**
	Rupert Inlet	Port Hardy	NA	Copper (and its compounds)	12,000.000	1
				Total	**12,000.000**	**1**
	Similkameen River	Princeton	NA	Nitrate ion in solution (pH ≥ 6.5)	1.050	1
				Total	**1.050**	**1**
	Sooke Basin	Victoria	7782-50-5	Chlorine	0.033	1
				Total	**0.033**	**1**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	St. Mary River	Kimberley	NA	Ammonia (total)[3]	18.000	1
			NA	Nitrate ion in solution (pH ≥ 6.5)	14.000	1
			NA	Zinc (and its compounds)	0.850	1
			NA	Cyanides (ionic)	0.450	1
			NA	Lead (and its compounds)	0.140	1
			NA	Copper (and its compounds)	0.076	1
				Total	**33.516**	**6**
	Thompson River	Kamloops	NA	Ammonia (total)[3]	183.100	1
				Total	**183.100**	**1**
	Wolfe Creek	Princeton	NA	Nitrate ion in solution (pH ≥ 6.5)	1.050	1
				Total	**1.050**	**1**
Manitoba						
	Assiniboine River	Brandon	NA	Nitrate ion in solution (pH ≥ 6.5)	64.900	1
			NA	Ammonia (total)[3]	5.000	1
				Total	**69.900**	**2**
	Brehaut Lake	Leaf Rapids	NA	Zinc (and its compounds)	1.759	1
			NA	Copper (and its compounds)	0.131	1
				Total	**1.890**	**2**
	Burntwood River	Thompson	NA	Nickel (and its compounds)	12.118	1
			NA	Arsenic (and its compounds)	0.972	1
			NA	Copper (and its compounds)	0.639	1
			NA	Cobalt (and its compounds)	0.525	1
				Total	**14.254**	**4**
	Flin Flon Creek	Flin Flon	NA	Ammonia (total)[3]	14.900	1
			NA	Zinc (and its compounds)	0.468	1
			NA	Copper (and its compounds)	0.138	1
				Total	**15.506**	**3**
	Red River	Winnipeg	NA	Ammonia (total)[3]	21.800	1
				Total	**21.800**	**1**
	Saskatchewan River	The Pas	NA	Ammonia (total)[3]	11.700	1
			NA	Nitrate ion in solution (pH ≥ 6.5)	0.400	1
				Total	**12.100**	**2**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	Wekusko Lake	Snow Lake	NA	Zinc (and its compounds)	1.435	1
			NA	Cyanides (ionic)	0.291	1
			NA	Lead (and its compounds)	0.237	1
			NA	Copper (and its compounds)	0.064	1
				Total	**2.027**	**4**
	Winnipeg River	Pine Falls	7664-93-9	Sulphuric acid	30.003	1
				Total	**30.003**	**1**
New Brunswick						
	Baie des Chaleurs	Belledune	NA	Cadmium (and its compounds)	0.980	1
			NA	Lead (and its compounds)	0.722	1
			NA	Arsenic (and its compounds)	0.598	1
			NA	Copper (and its compounds)	0.158	1
		Dalhousie	NA	Nickel (and its compounds)	0.003	1
				Total	**2.461**	**5**
	Courtney Bay	Saint John	NA	Ammonia (total)[3]	15.000	1
				Total	**15.000**	**1**
	L'Étang (Estuary)	St. George	NA	Ammonia (total)[3]	36.533	1
				Total	**36.533**	**1**
	Little River	Saint John	67-56-1	Methanol	59.000	1
			NA	Ammonia (total)[3]	24.000	1
		Bathurst	NA	Zinc (and its compounds)	2.100	1
			NA	Lead (and its compounds)	0.225	1
			NA	Copper (and its compounds)	0.127	1
				Total	**85.452**	**5**
	Nepisiguit River	Bathurst	7664-93-9	Sulphuric acid	72.450	1
			NA	Ammonia (total)[3]	7.400	1
				Total	**79.850**	**2**
	Saint John River	Nackawic	NA	Ammonia (total)[3]	49.080	1
			67-56-1	Methanol	32.150	1
			NA	Chromium (and its compounds)	6.920	1
			78-93-3	Methyl ethyl ketone	2.390	1
			67-66-3	Chloroform	1.400	1
			67-64-1	Acetone	1.390	1
				Total	**93.330**	**6**
	Saint John River (Estuary)	Saint John	67-56-1	Methanol	3,387.916	1
			7647-01-0	Hydrochloric acid	0.005	1
				Total	**3,387.921**	**2**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	Tomogonops River	Newcastle	NA	Zinc (and its compounds)	8.878	1
			NA	Lead (and its compounds)	1.760	1
			NA	Copper (and its compounds)	0.916	1
				Total	**11.554**	**3**
Nova Scotia						
	Halifax Harbour	Dartmouth	NA	Ammonia (total)[3]	3.970	1
			108-88-3	Toluene	0.150	1
			1330-20-7	Xylene (mixed isomers)	0.150	1
			95-63-6	1,2,4-Trimethylbenzene	0.140	1
			110-82-7	Cyclohexane	0.100	1
			100-41-4	Ethylbenzene	0.040	1
			71-43-2	Benzene	0.030	1
			91-20-3	Naphthalene	0.030	1
			98-82-8	Cumene	0.030	1
				Total	**4.640**	**9**
	LaHave River	Bridgewater	NA	Ammonia (total)[3]	0.372	1
			NA	Zinc (and its compounds)	0.097	1
			NA	Copper (and its compounds)	0.010	1
		Cambridge Station	NA	Zinc (and its compounds)	0.002	1
				Total	**0.481**	**4**
	Northumberland Strait	New Glasgow	67-56-1	Methanol	45.800	1
				Total	**45.800**	**1**
	Salmon River	Truro	120-12-7	Anthracene	0.000	1
			91-20-3	Naphthalene	0.000	1
			NA	Arsenic (and its compounds)	0.000	1
			NA	Chromium (and its compounds)	0.000	1
			NA	Copper (and its compounds)	0.000	1
				Total	**0.000**	**5**
	Strait of Canso	Port Hawkesbury	7664-93-9	Sulphuric acid	112.800	1
			7647-01-0	Hydrochloric acid	1.868	1
				Total	**114.668**	**2**
	Sydney Harbour	Sydney	107-21-1	Ethylene glycol	3.000	1
				Total	**3.000**	**1**
Northwest Territories						
	Arctic Ocean	Polaris	NA	Zinc (and its compounds)	0.733	1
			NA	Nickel (and its compounds)	0.012	1
			NA	Lead (and its compounds)	0.009	1
			NA	Copper (and its compounds)	0.006	1
				Total	**0.760**	**4**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	Baker Creek	Yellowknife	NA	Arsenic (and its compounds)	0.500	1
				Total	**0.500**	**1**
	Chris Creek	Nanisivik	NA	Cadmium (and its compounds)	0.050	1
			NA	Lead (and its compounds)	0.050	1
			NA	Zinc (and its compounds)	0.050	1
				Total	**0.150**	**3**
	Contwoyto Lake	Contwoyto Lake	NA	Zinc (and its compounds)	0.241	1
			NA	Arsenic (and its compounds)	0.023	1
			NA	Cyanides (ionic)	0.023	1
			NA	Lead (and its compounds)	0.002	1
				Total	**0.289**	**4**
	Great Slave Lake	Yellowknife	NA	Ammonia (total)[3]	10.790	1
			NA	Cyanides (ionic)	0.386	1
			NA	Copper (and its compounds)	0.288	1
				Total	**11.464**	**3**
	Twin Lakes Creek	Nanisivik	NA	Cadmium (and its compounds)	0.050	1
			NA	Lead (and its compounds)	0.050	1
			NA	Zinc (and its compounds)	0.050	1
				Total	**0.150**	**3**
Ontario						
	Abitibi River	Iroquois Falls	NA	Ammonia (total)[3]	0.280	1
				Total	**0.280**	**1**
	Amikougami Creek	Kirkland Lake	NA	Cyanides (ionic)	0.065	1
				Total	**0.065**	**1**
	Balmer Creek	Balmertown	NA	Arsenic (and its compounds)	2.126	1
			NA	Cyanides (ionic)	1.311	1
			NA	Lead (and its compounds)	0.103	1
				Total	**3.54**	**3**
	Balmer Lake		NA	Cyanides (ionic)	1.193	1
			NA	Copper (and its compounds)	0.500	1
			NA	Zinc (and its compounds)	0.100	1
				Total	**1.793**	**3**
	Bell Creek	Schumacher	NA	Cyanides (ionic)	0.100	1
			NA	Zinc (and its compounds)	0.100	1
				Total	**6.133**	**10**
	Canagagigue Creek	Elmira	108-88-3	Toluene	0.100	1
				Total	**0.100**	**1**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	Coniston Creek	Falconbridge	NA	Nickel (and its compounds)	1.810	1
			NA	Manganese (and its compounds)	0.392	1
			NA	Cobalt (and its compounds)	0.238	1
			NA	Copper (and its compounds)	0.105	1
			NA	Zinc (and its compounds)	0.014	1
			7440-62-2	Vanadium (fume or dust)	0.003	1
			NA	Chromium (and its compounds)	0.003	1
			NA	Lead (and its compounds)	0.001	1
				Total	**2.566**	**8**
	Detroit River	Amherstburg	NA	Ammonia (total)[3]	184.400	1
		Windsor	NA	Ammonia (total)[3]	455.500	1
			NA	Zinc (and its compounds)	56.000	1
			108-95-2	Phenol (and its salts)	6.000	1
			NA	Manganese (and its compounds)	5.900	1
			NA	Lead (and its compounds)	2.600	1
			NA	Copper (and its compounds)	0.280	1
			NA	Chromium (and its compounds)	0.180	1
				Total	**710.860**	**8**
	Dodds Creek	St. Thomas	NA	Nitrate ion in solution (pH ≥ 6.5)	7.400	1
			NA	Zinc (and its compounds)	0.280	1
			7664-38-2	Phosphoric acid	0.000	1
			7664-93-9	Sulphuric acid	0.000	1
				Total	**7.680**	**4**
	Frank Lake	Marathon	NA	Ammonia (total)[3]	33.500	1
			NA	Cyanides (ionic)	0.500	1
			7697-37-2	Nitric acid	0.000	1
				Total	**34.000**	**3**
	Frenchman's Creek	Fort Erie	108-95-2	Phenol (and its salts)	0.000	1
				Total	**0.000**	**1**
	Gzowski St. Ditch	Fergus	NA	Copper (and its compounds)	0.100	1
			NA	Zinc (and its compounds)	0.100	1
				Total	**0.200**	**2**
	Hamilton Harbour	Hamilton	NA	Ammonia (total)[3]	319.000	2
			NA	Zinc (and its compounds)	12.460	2
			107-21-1	Ethylene glycol	9.200	2
			67-56-1	Methanol	7.760	1
			108-95-2	Phenol (and its salts)	4.000	1
			NA	Manganese (and its compounds)	3.390	1
			NA	Copper (and its compounds)	2.710	1
			NA	Lead (and its compounds)	1.670	2

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
			NA	Nickel (and its compounds)	0.600	1
			NA	Chromium (and its compounds)	0.206	1
			71-43-2	Benzene	0.007	1
			100-41-4	Ethylbenzene	0.000	1
			100-42-5	Styrene	0.000	1
			108-88-3	Toluene	0.000	1
			120-12-7	Anthracene	0.000	1
			1330-20-7	Xylene (mixed isomers)	0.000	1
			91-20-3	Naphthalene	0.000	1
				Total	**361.003**	**21**
	Hour Lake	Patricia	NA	Cyanides (ionic)	0.036	1
				Total	**0.036**	**1**
	Humber River	Etobicoke	108-88-3	Toluene	6.011	1
			110-82-7	Cyclohexane	0.138	1
			1330-20-7	Xylene (mixed isomers)	0.089	1
				Total	**6.238**	**3**
	Junction Creek	Copper Cliff	NA	Nickel (and its compounds)	14.453	1
			NA	Copper (and its compounds)	2.857	1
				Total	**17.310**	**2**
	Kaministiquia River	Thunder Bay	NA	Ammonia (total)[3]	18.100	1
			107-21-1	Ethylene glycol	3.210	1
				Total	**21.310**	**2**
	Kapuskasing River	O'Brien	67-56-1	Methanol	21.000	1
				Total	**21.000**	**1**
	Kelley Lake	Copper Cliff	NA	Lead (and its compounds)	12.000	1
			NA	Nickel (and its compounds)	0.600	1
			NA	Copper (and its compounds)	0.410	1
			NA	Cobalt (and its compounds)	0.130	1
			NA	Arsenic (and its compounds)	0.120	1
				Total	**13.260**	**5**
	Lake Erie	Chatham	NA	Manganese (and its compounds)	0.001	1
		Jarvis	NA	Ammonia (total)[3]	0.930	1
			108-95-2	Phenol (and its salts)	0.020	1
		Nanticoke	NA	Nitrate ion in solution (pH ≥ 6.5)	50.360	1
			107-21-1	Ethylene glycol	10.950	1
			NA	Ammonia (total)[3]	6.284	2
			7782-50-5	Chlorine	0.981	1
			NA	Zinc (and its compounds)	0.735	1

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
			NA	Manganese (and its compounds)	0.547	1
			NA	Chromium (and its compounds)	0.111	1
			NA	Copper (and its compounds)	0.093	1
			71-43-2	Benzene	0.003	1
			100-42-5	Styrene	0.002	1
			108-88-3	Toluene	0.002	1
			1330-20-7	Xylene (mixed isomers)	0.002	1
			91-20-3	Naphthalene	0.001	1
		Port Colborne	NA	Ammonia (total)[3]	1.696	1
			NA	Nickel (and its compounds)	0.610	1
			NA	Copper (and its compounds)	0.335	1
			NA	Cobalt (and its compounds)	0.237	1
			NA	Lead (and its compounds)	0.100	1
			NA	Silver (and its compounds)	0.034	1
		Tilbury	NA	Manganese (and its compounds)	1.130	1
				Total	**75.164**	**24**
	Lake Huron	Blind River	NA	Ammonia (total)[3]	0.050	1
		Bruce Township	7664-93-9	Sulphuric acid	6.243	1
			NA	Ammonia (total)[3]	5.995	1
			302-01-2	Hydrazine (and its salts)	1.195	1
			NA	Copper (and its compounds)	0.002	1
				Total	**13.485**	**5**
	Lake Ontario	Cobourg	NA	Antimony (and its compounds)	0.023	1
			1163-19-5	Decabromodiphenyl oxide	0.000	1
			NA	Copper (and its compounds)	0.000	1
			NA	Lead (and its compounds)	0.000	1
		Darlington	7664-93-9	Sulphuric acid	15.392	1
			NA	Ammonia (total)[3]	0.960	1
		Ernestown	123-91-1	1,4-Dioxane	4.764	1
			107-21-1	Ethylene glycol	0.100	1
		Hamilton	NA	Chromium (and its compounds)	0.100	1
		Kingston	7664-93-9	Sulphuric acid	109.000	1
			92-52-4	Biphenyl	0.060	1
		Mississauga	NA	Lead (and its compounds)	0.050	1
			1330-20-7	Xylene (mixed isomers)	0.007	1
		Niagara-on-the-Lake	NA	Copper (and its compounds)	0.019	1
		Pickering	NA	Copper (and its compounds)	45.400	1
			NA	Zinc (and its compounds)	17.500	1
			7664-93-9	Sulphuric acid	1.902	1
		Port Hope	NA	Ammonia (total)[3]	0.133	1
			7664-39-3	Hydrogen fluoride	0.072	1
		Whitby	NA	Manganese (and its compounds)	0.084	1
			NA	Zinc (and its compounds)	0.057	1

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
			NA	Copper (and its compounds)	0.041	1
			NA	Lead (and its compounds)	0.022	1
			NA	Chromium (and its compounds)	0.015	1
			NA	Cadmium (and its compounds)	0.002	1
				Total	**195.703**	**25**
	Lake Superior	Marathon	67-56-1	Methanol	2,039.600	1
			NA	Ammonia (total)[3]	21.500	1
		Terrace Bay	67-64-1	Acetone	0.032	1
			78-93-3	Methyl ethyl ketone	0.011	1
		Thunder Bay	NA	Ammonia (total)[3]	1.500	1
			7664-93-9	Sulphuric acid	0.000	1
				Total	**2,062.643**	**6**
	Lim Lake	Marathon	NA	Ammonia (total)[3]	7.293	1
			NA	Cyanides (ionic)	0.089	2
				Total	**7.382**	**3**
	Little River	Windsor	NA	Ammonia (total)[3]	9.600	1
				Total	**9.600**	**1**
	Magusi River	Holloway Township	NA	Cyanides (ionic)	0.045	1
				Total	**0.045**	**1**
	Mattagami River	Smooth Rock Falls	10049-04-4	Chlorine dioxide	0.000	1
			67-56-1	Methanol	0.000	1
			7664-93-9	Sulphuric acid	0.000	1
				Total	**0.000**	**3**
	Mattawasaga River	Holloway Township	NA	Cyanides (ionic)	0.027	1
				Total	**0.027**	**1**
	Niagara River	Fort Erie	NA	Manganese (and its compounds)	0.003	1
			NA	Chromium (and its compounds)	0.000	1
			NA	Nickel (and its compounds)	0.000	1
		Niagara Falls	7782-50-5	Chlorine	2.253	2
				Total	**2.256**	**5**
	Nipigon Bay	Red Rock	67-56-1	Methanol	1,660.000	1
				Total	**1,660.000**	**1**
	Onaping River	Onaping	NA	Nickel (and its compounds)	0.830	1
			NA	Copper (and its compounds)	0.299	1
			NA	Cyanides (ionic)	0.068	1
				Total	**1.197**	**3**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	Otonabee River	Peterborough	NA	Ammonia (total)[3]	42.100	1
			7782-50-5	Chlorine	3.950	1
				Total	**46.050**	**2**
	Ottawa River	Chalk River	NA	Lead (and its compounds)	0.002	1
			7782-50-5	Chlorine	0.000	1
		L'Orignal	NA	Zinc (and its compounds)	0.001	1
		Ottawa	NA	Nitrate ion in solution (pH ≥ 6.5)	15.500	1
			NA	Ammonia (total)[3]	13.300	1
				Total	**28.803**	**5**
	Pell Creek	Niagara Falls	NA	Chromium (and its compounds)	0.016	1
				Total	**0.016**	**1**
	Porcupine River	Hoyle	NA	Ammonia (total)[3]	23.596	1
			NA	Selenium (and its compounds)	5.010	1
			NA	Zinc (and its compounds)	4.507	1
			NA	Manganese (and its compounds)	0.810	1
			NA	Copper (and its compounds)	0.209	1
			NA	Nickel (and its compounds)	0.197	1
			NA	Cadmium (and its compounds)	0.138	1
			NA	Silver (and its compounds)	0.064	1
			NA	Arsenic (and its compounds)	0.033	1
			NA	Lead (and its compounds)	0.030	1
		Porcupine	NA	Cyanides (ionic)	0.513	1
				Total	**35.107**	**11**
	Spanish River	Espanola	67-66-3	Chloroform	0.500	1
				Total	**0.500**	**1**
	St. Clair River	Corunna	NA	Ammonia (total)[3]	7.663	1
			110-82-7	Cyclohexane	0.760	1
			1330-20-7	Xylene (mixed isomers)	0.186	1
			NA	Lead (and its compounds)	0.060	1
			107-06-2	1,2-Dichloroethane	0.050	1
			100-41-4	Ethylbenzene	0.046	1
			108-88-3	Toluene	0.044	1
			NA	Zinc (and its compounds)	0.041	1
			NA	Copper (and its compounds)	0.037	1
			71-43-2	Benzene	0.035	1
			NA	Manganese (and its compounds)	0.033	1
			108-88-3	Toluene	0.030	1
			NA	Arsenic (and its compounds)	0.020	1
		Courtright	NA	Nitrate ion in solution (pH ≥ 6.5)	24.300	1
			NA	Ammonia (total)[3]	18.400	1

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
			NA	Manganese (and its compounds)	0.050	1
			NA	Chromium (and its compounds)	0.041	1
			NA	Copper (and its compounds)	0.040	1
		Sarnia	NA	Ammonia (total)[3]	22.214	3
			NA	Zinc (and its compounds)	0.190	1
			108-88-3	Toluene	0.148	3
			1330-20-7	Xylene (mixed isomers)	0.136	3
			75-65-0	*tert*-Butyl alcohol	0.132	1
			75-01-4	Vinyl chloride	0.124	1
			74-87-3	Chloromethane	0.066	1
			7782-50-5	Chlorine	0.063	1
			106-99-0	1,3-Butadiene	0.058	1
			108-95-2	Phenol (and its salts)	0.040	1
			71-43-2	Benzene	0.038	5
			100-41-4	Ethylbenzene	0.029	2
			75-05-8	Acetonitrile	0.015	1
			1634-04-4	Methyl *tert*-butyl ether	0.007	1
			110-82-7	Cyclohexane	0.000	1
			74-85-1	Ethylene	0.000	1
		Sombra	NA	Ammonia (total)[3]	2.707	1
			67-56-1	Methanol	1.469	1
				Total	**79.272**	**47**
	St. Mary's River	Sault Ste. Marie	NA	Ammonia (total)[3]	313.410	1
			NA	Zinc (and its compounds)	11.761	1
			NA	Cyanides (ionic)	3.271	1
			91-20-3	Naphthalene	0.090	1
			108-88-3	Toluene	0.023	1
			71-43-2	Benzene	0.003	1
				Total	**328.558**	**6**
	St. Lawrence River	Augusta	NA	Nitrate ion in solution (pH ≥ 6.5)	321.000	1
			NA	Ammonia (total)[3]	31.000	1
			67-56-1	Methanol	21.000	1
			NA	Copper (and its compounds)	1.310	1
			7782-50-5	Chlorine	1.090	1
			127-18-4	Tetrachloroethylene	0.010	1
		Brockville	95-63-6	1,2,4-Trimethylbenzene	0.000	1
			NA	Zinc (and its compounds)	0.000	1
		Cornwall	67-56-1	Methanol	250.000	1
			75-15-0	Carbon disulphide	2.300	1
			56-23-5	Carbon tetrachloride	2.129	1
			108-95-2	Phenol (and its salts)	0.550	1
			NA	Ammonia (total)[3]	0.538	2
			NA	Nickel (and its compounds)	0.078	2

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
			NA	Mercury (and its compounds)	0.006	1
			NA	Copper (and its compounds)	0.001	1
		Maitland	NA	Nitrate ion in solution (pH ≥ 6.5)	162.000	1
			NA	Ammonia (total)[3]	39.100	1
			7782-50-5	Chlorine	0.040	1
				Total	**832.152**	**21**
	Sunday Lake	Timmins	NA	Ammonia (total)[3]	63.942	1
			NA	Cyanides (ionic)	0.300	1
			NA	Arsenic (and its compounds)	0.100	1
			NA	Lead (and its compounds)	0.100	1
			NA	Nickel (and its compounds)	0.100	1
			NA	Zinc (and its compounds)	0.100	1
			7697-37-2	Nitric acid	0.000	1
				Total	**64.642**	**7**
	Thames River	London	NA	Nitrate ion in solution (pH ≥ 6.5)	317.816	1
			7782-50-5	Chlorine	112.266	1
			NA	Ammonia (total)[3]	53.200	1
				Total	**483.282**	**3**
	Trent River	Trenton	108-95-2	Phenol (and its salts)	3.507	1
				Total	**3.507**	**1**
	Twelve Mile Creek	Fonthill	7782-50-5	Chlorine	0.100	1
		St. Catharines	7782-50-5	Chlorine	2.097	1
			NA	Manganese (and its compounds)	0.003	1
		Thorold	107-21-1	Ethylene glycol	9.900	1
			NA	Ammonia (total)[3]	0.500	1
			7664-38-2	Phosphoric acid	0.000	1
				Total	**12.600**	**6**
	Wabigoon River	Dryden	NA	Ammonia (total)[3]	41.100	1
			107-21-1	Ethylene glycol	5.200	1
				Total	**46.300**	**2**
	Welland Canal	St. Catharines	108-95-2	Phenol (and its salts)	1.560	1
			NA	Manganese (and its compounds)	0.071	1
			NA	Chromium (and its compounds)	0.014	1
			107-21-1	Ethylene glycol	0.003	1
		Welland	NA	Zinc (and its compounds)	0.387	1
			NA	Manganese (and its compounds)	0.148	1
				Total	**2.183**	**6**
	Welland River	Niagara Falls	NA	Ammonia (total)[3]	10.831	1
			NA	Chromium (and its compounds)	0.016	1

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
		Thorold	75-01-4	Vinyl chloride	0.005	1
		Welland	NA	Nickel (and its compounds)	0.459	1
			NA	Zinc (and its compounds)	0.224	1
			NA	Chromium (and its compounds)	0.200	1
				Total	**11.735**	**6**
	Whitesand River	Schreiber	NA	Zinc (and its compounds)	0.111	1
			NA	Copper (and its compounds)	0.023	1
				Total	**0.134**	**2**
	Winnipeg River	Kenora	67-56-1	Methanol	93.970	1
				Total	**93.970**	**1**
	Wye River	Midland	NA	Ammonia (total)[3]	10.438	1
			NA	Lead (and its compounds)	0.155	1
			79-01-6	Trichloroethylene	0.065	1
			NA	Zinc (and its compounds)	0.019	1
				Total	**10.677**	**4**
Prince Edward Island						
	Hillsborough River	Charlottetown	7664-93-9	Sulphuric acid	22.000	1
			67-64-1	Acetone	7.333	1
			67-56-1	Methanol	6.682	1
			108-88-3	Toluene	0.082	1
				Total	**36.097**	**4**
Quebec						
	À la Tortue River	Delson	120-12-7	Anthracene	0.000	1
			91-20-3	Naphthalene	0.000	1
			NA	Arsenic (and its compounds)	0.000	1
			NA	Chromium (and its compounds)	0.000	1
			NA	Copper (and its compounds)	0.000	1
				Total	**0.000**	**5**
	Allard River	Matagami	NA	Zinc (and its compounds)	1.200	1
			NA	Lead (and its compounds)	0.310	1
			NA	Copper (and its compounds)	0.140	1
				Total	**1.650**	**3**
	Baie des Chaleurs	Chandler	NA	Ammonia (total)[3]	10.800	1
				Total	**10.800**	**1**
	Baie des Ha! Ha!	La Baie	50-00-0	Formaldehyde	129.000	1
			67-56-1	Methanol	98.000	1
			NA	Ammonia (total)[3]	43.500	1
				Total	**270.500**	**3**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	Barré Stream	Marieville	NA	Zinc (and its compounds)	0.310	1
			NA	Lead (and its compounds)	0.140	1
				Total	**0.450**	**2**
	Bell River	Matagami	NA	Zinc (and its compounds)	1.200	1
			NA	Lead (and its compounds)	0.310	1
			NA	Copper (and its compounds)	0.140	1
				Total	**1.650**	**3**
	Bourlamaque River	Val-d'Or	NA	Cyanides (ionic)	0.100	1
			NA	Lead (and its compounds)	0.100	1
			NA	Zinc (and its compounds)	0.100	1
				Total	**0.300**	**3**
	Bousquet River	Cadillac	NA	Copper (and its compounds)	0.085	1
				Total	**0.085**	**1**
	Canal de Beauharnois	Salaberry-de-Valleyfield	NA	Ammonia (total)[3]	24.000	1
			NA	Zinc (and its compounds)	3.438	1
			NA	Selenium (and its compounds)	2.500	1
			7664-93-9	Sulphuric acid	0.200	1
			NA	Lead (and its compounds)	0.138	1
				Total	**30.276**	**5**
	Canal Lachine	Lachine	NA	Zinc (and its compounds)	0.080	1
			NA	Lead (and its compounds)	0.020	1
				Total	**0.100**	**2**
	Chaudière River	Beauceville	NA	Nitrate ion in solution (pH ≥ 6.5)	1.500	1
				Total	**1.500**	**1**
	Demontigny Lake	Dubuisson	NA	Copper (and its compounds)	0.165	1
			NA	Cyanides (ionic)	0.064	1
			NA	Lead (and its compounds)	0.024	1
				Total	**0.253**	**3**
	Dormenan Stream	Cadillac	NA	Copper (and its compounds)	0.700	1
			NA	Cyanides (ionic)	0.700	1
			NA	Zinc (and its compounds)	0.300	1
			NA	Lead (and its compounds)	0.100	1
				Total	**1.800**	**4**
	Grande Rivière-du-Loup	Louiseville	67-63-0	Isopropyl alcohol	0.100	1
				Total	**0.100**	**1**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	Harricana River	Glandelet et Chaste	NA	Cyanides (ionic)	0.055	1
			NA	Lead (and its compounds)	0.020	1
				Total	**0.075**	**2**
	Hesse Lake	Fermont	NA	Nitrate ion in solution (pH ≥ 6.5)	24.100	1
			NA	Ammonia (total)[3]	7.000	1
				Total	**31.100**	**2**
	Le Lièvre River	Masson-Anger	67-56-1	Methanol	80.400	1
				Total	**80.400**	**1**
	Langlade Lake	Val-d'Or	NA	Cyanides (ionic)	0.100	1
			NA	Lead (and its compounds)	0.100	1
			NA	Zinc (and its compounds)	0.100	1
			7647-01-0	Hydrochloric acid	0.000	1
				Total	**0.300**	**4**
	Malbaie River	Clermont	NA	Ammonia (total)[3]	7.400	1
			79-06-1	Acrylamide	5.700	1
				Total	**13.100**	**2**
	Mille-Iles River	Boisbriand	NA	Zinc (and its compounds)	0.121	1
				Total	**0.121**	**1**
	Mistassini River	St-Félicien	NA	Manganese (and its compounds)	54.000	1
			NA	Zinc (and its compounds)	4.600	1
				Total	**58.600**	**2**
	Ottawa River	Gatineau	NA	Ammonia (total)[3]	32.600	1
		Temiscaming	75-07-0	Acetaldehyde	13.200	1
			50-00-0	Formaldehyde	1.767	1
			108-95-2	Phenol (and its salts)	0.663	1
			7664-93-9	Sulphuric acid	1,250.000	1
			NA	Ammonia (total)[3]	83.300	1
			10049-04-4	Chlorine dioxide	0.000	1
			7664-38-2	Phosphoric acid	0.000	1
			7782-50-5	Chlorine	0.000	1
				Total	**1,381.530**	**9**
	Pelletier Lake	Rouyn-Noranda	NA	Zinc (and its compounds)	2.350	1
			NA	Manganese (and its compounds)	2.050	1
			NA	Copper (and its compounds)	1.000	1
			NA	Arsenic (and its compounds)	0.300	1
			NA	Chromium (and its compounds)	0.300	1
			NA	Lead (and its compounds)	0.300	1

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
			NA	Nickel (and its compounds)	0.290	1
			NA	Cadmium (and its compounds)	0.050	1
				Total	**6.640**	**8**
	Petite Décharge River	Alma	NA	Ammonia (total)[3]	10.000	1
				Total	**10.000**	**1**
	Piché River (Raymond Stream)	Malartic	NA	Copper (and its compounds)	0.200	1
			NA	Zinc (and its compounds)	0.049	1
			NA	Cyanides (ionic)	0.015	1
			NA	Lead (and its compounds)	0.009	1
				Total	**0.273**	**4**
	Quevillon River	Lebel-sur-Quevillon	67-56-1	Methanol	51.900	1
				Total	**51.900**	**1**
	Richelieu River	Beloeil	NA	Zinc (and its compounds)	0.100	1
		McMasterville	67-64-1	Acetone	30.000	1
			NA	Ammonia (total)[3]	23.000	1
		St-Jean-sur-Richelieu	7647-01-0	Hydrochloric acid	6.000	1
				Total	**59.100**	**4**
	Rivière-du-Loup	Rivière-du-Loup	NA	Manganese (and its compounds)	13.000	1
			7429-90-5	Aluminum (fume or dust)	1.300	1
				Total	**14.300**	**2**
	Rouyn Lake	Rouyn-Noranda	NA	Zinc (and its compounds)	2.350	1
			NA	Manganese (and its compounds)	2.050	1
			NA	Copper (and its compounds)	1.000	1
			NA	Arsenic (and its compounds)	0.300	1
			NA	Chromium (and its compounds)	0.300	1
			NA	Lead (and its compounds)	0.300	1
			NA	Nickel (and its compounds)	0.290	1
			NA	Cadmium (and its compounds)	0.050	1
				Total	**6.640**	**8**
	Saint-François River	Windsor	67-56-1	Methanol	22.400	1
			107-21-1	Ethylene glycol	17.100	1
				Total	**39.500**	**2**
	Shawinigan River	Shawinigan	50-00-0	Formaldehyde	147.300	1
			67-56-1	Methanol	41.030	1
			108-95-2	Phenol (and its salts)	34.300	1
				Total	**222.630**	**3**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
	St. Charles River	Salaberry-de-Valleyfield	NA	Zinc (and its compounds)	0.128	1
		St-Timothée	55-63-0	Nitroglycerin	9.000	1
			67-64-1	Acetone	0.500	1
				Total	**9.628**	**3**
	St. Lawrence River	Baie-Comeau	7664-93-9	Sulphuric acid	300.000	1
		Bécancour	7647-01-0	Hydrochloric acid	0.900	1
			95-63-6	1,2,4-Trimethylbenzene	0.110	1
		Contrecoeur	NA	Zinc (and its compounds)	0.972	1
		Lévis	111-42-2	Diethanolamine (and its salts)	24.260	1
			NA	Ammonia (total)[3]	8.950	1
			127-18-4	Tetrachloroethylene	0.065	1
		Matane	NA	Ammonia (total)[3]	15.000	1
		Montreal	NA	Ammonia (total)[3]	57.838	2
			NA	Zinc (and its compounds)	35.681	2
			NA	Manganese (and its compounds)	30.000	1
			NA	Copper (and its compounds)	28.900	1
			NA	Chromium (and its compounds)	7.900	1
			108-95-2	Phenol (and its salts)	0.857	2
			1330-20-7	Xylene (mixed isomers)	0.461	1
			71-43-2	Benzene	0.259	2
			108-88-3	Toluene	0.241	1
			NA	Lead (and its compounds)	0.186	1
			100-41-4	Ethylbenzene	0.122	1
			67-64-1	Acetone	0.080	1
			7647-01-0	Hydrochloric acid	0.000	1
		Quebec	67-56-1	Methanol	56.200	1
			NA	Ammonia (total)[3]	6.100	1
		Shawinigan	N.A	Zinc (and its compounds)	0.100	1
		Tracy	NA	Nitrate ion in solution (pH ≥ 6.5)	699.000	1
			NA	Chromium (and its compounds)	14.770	1
			NA	Nickel (and its compounds)	10.190	1
			NA	Manganese (and its compounds)	1.400	1
			NA	Zinc (and its compounds)	0.140	1
		Trois-Rivières	NA	Ammonia (total) [2]	41.494	1
		Varennes	7664-93-9	Sulphuric acid	140.000	1
			NA	Manganese (and its compounds)	40.000	1
			71-43-2	Benzene	5.995	1
			108-88-3	Toluene	2.272	1
			100-41-4	Ethylbenzene	0.802	1
			NA	Chromium (and its compounds)	0.700	1
			1330-20-7	Xylene (mixed isomers)	0.629	1
			NA	Zinc (and its compounds)	0.250	1
			100-42-5	Styrene	0.197	1
			NA	Chromium (and its compounds)	0.188	1

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
			108-95-2	Phenol (and its salts)	0.076	1
			7723-14-0	Phosphorus (yellow or white)	0.002	1
				Total	**1,533.287**	**46**
	St. Maurice River	Grand-Mère	67-56-1	Methanol	32.200	1
		La Tuque	67-56-1	Methanol	1,917.800	1
			NA	Ammonia (total)[3]	12.405	1
		Shawinigan	NA	Zinc (and its compounds)	0.100	1
				Total	**1,962.505**	**4**
	St. Pierre River	Delson	120-12-7	Anthracene	0.000	1
			91-20-3	Naphthalene	0.000	1
			NA	Arsenic (and its compounds)	0.000	1
			NA	Chromium (and its compounds)	0.000	1
			NA	Copper (and its compounds)	0.000	1
				Total	**0.000**	**5**
	Wawagosic River	Joutel	NA	Zinc (and its compounds)	2.670	1
				Total	**2.670**	**1**
	Yamaska River	Bromont	NA	Nitrate ion in solution (pH ≥ 6.5)	2.380	1
			7664-93-9	Sulphuric acid	0.000	1
				Total	**2.380**	**2**
	York River	Murdochville	NA	Copper (and its compounds)	3.028	1
			NA	Lead (and its compounds)	2.043	1
			NA	Nickel (and its compounds)	1.300	1
			NA	Arsenic (and its compounds)	0.285	1
			NA	Cadmium (and its compounds)	0.200	1
			NA	Mercury (and its compounds)	0.005	1
				Total	**6.861**	**6**
Saskatchewan						
	Saskatchewan River (N)	Prince Albert	NA	Ammonia (total)[3]	35.000	1
				Total	**35.000**	**1**
	Saskatchewan River (S)	Saskatoon	NA	Ammonia (total)[3]	5.400	1
			7782-50-5	Chlorine	0.008	1
				Total	**5.408**	**2**
	Wolf Lake	Saskatoon	NA	Ammonia (total)[3]	30.219	1
				Total	**30.219**	**1**

Province	Surface water name	Point of discharge	CAS #[2]	Pollutant	Releases	# reports
Yukon Territory						
	Rose Creek	Faro	NA	Zinc (and its compounds)	0.959	1
			NA	Lead (and its compounds)	0.110	1
			NA	Cyanides (ionic)	0.048	1
			NA	Copper (and its compounds)	0.037	1
				Total	**1.154**	**4**
				Grand total	**34,239.298**	**665**

Appendix 7 – Sectorial on site releases of toxic[1] and carcinogenic[2] pollutants (tonnes)

Arsenic (and its compounds)						
SIC code [3]	**Sector name**	**Air**	**Underground**	**Water**	**Land**	**Total releases [4]**
06	Mining industries	36.516	3,600.000	14.687	5.100	3,656.303
29	Primary metal industries	50.390	0.000	2.290	0.000	52.815
36	Refined petroleum and coal products industries	0.000	0.000	0.020	0.310	0.330
45	Transportation industries	0.089	0.000	0.015	0.000	0.104
25	Wood industries	0.000	0.000	0.007	0.074	0.097
	Total	**86.995**	**3,600.000**	**17.019**	**5.484**	**3,709.649**

Asbestos (friable form)						
SIC code [3]	**Sector name**	**Air**	**Underground**	**Water**	**Land**	**Total releases [4]**
37	Chemical and chemical products industries	0.000	0.000	0.000	219.860	219.860
49	Other utility industries	0.000	0.000	0.000	178.000	178.000
41	Industrial and heavy (engineering) construction industries	0.000	0.000	0.000	97.727	97.727
07	Crude petroleum and natural gas industries	0.000	0.000	0.000	25.440	25.440
27	Paper and allied products industries	0.000	0.000	0.000	3.000	3.000
06	Mining industries	0.700	0.000	0.000	0.000	0.919
32	Transportation equipment industries	0.447	0.000	0.000	0.000	0.447
	Total	**1.147**	**0.000**	**0.000**	**524.027**	**525.393**

Benzene						
SIC code [3]	**Sector name**	**Air**	**Underground**	**Water**	**Land**	**Total releases [4]**
29	Primary metal industries	896.023	0.000	0.013	0.150	896.186
37	Chemical and chemical products industries	431.070	7.000	6.016	0.010	444.096
36	Refined petroleum and coal products industries	406.826	19.090	0.341	0.576	426.833
07	Crude petroleum and natural gas industries	360.492	51.011	0.295	0.823	417.467
25	Wood industries	26.280	0.000	0.000	0.000	26.280
99	Other service industries	0.000	0.000	0.000	0.000	0.022
	Total	**2,120.691**	**77.101**	**6.665**	**1.559**	**2,210.884**

(1) Toxic = Regulated Schedule 1 substances under the *CEPA* and *CEPA*-toxic pollutants.
(2) Carcinogenic = Chemical '1' (carcinogenic to humans) and '2A' (*probably* carcinogenic to humans), as determined by the International Agency Research on Cancer (IARC).
(3) SIC code = Standard Industrial Classification code, established by Statistics Canada. The codes are those provided by the facilities.
(4) Total releases may be greater than the sum of releases by environmental medium, since releases of less than one tonne could be reported as an undifferentiated total release.

***Bis*(2-ethylhexyl) phthalate**						
SIC code [3]	**Sector name**	**Air**	**Underground**	**Water**	**Land**	**Total releases [4]**
15	Rubber products industries	22.600	0.000	0.000	14.300	36.900
16	Plastic products industries	0.751	0.000	0.000	18.338	19.095
39	Other manufacturing industries	2.489	0.000	0.000	0.000	2.489
30	Fabricated metal products industries (except machinery and transport. equipment)	0.721	0.000	0.000	0.000	0.721
37	Chemical and chemical products industries	0.087	0.000	0.000	0.027	0.124
	Total	**26.648**	**0.000**	**0.000**	**32.665**	**59.329**

Cadmium (and its compounds)						
SIC code [3]	**Sector name**	**Air**	**Underground**	**Water**	**Land**	**Total releases [4]**
29	Primary metal industries	11.704	0.000	1.084	24.800	38.528
06	Mining industries	5.727	0.000	2.798	0.200	8.725
37	Chemical and chemical products industries	0.000	0.000	0.000	0.000	0.200
16	Plastic products industries	0.100	0.000	0.000	0.000	0.100
	Total	**17.531**	**0.000**	**3.882**	**25.000**	**47.553**

Carbon tetrachloride						
SIC code [3]	**Sector name**	**Air**	**Underground**	**Water**	**Land**	**Total releases [4]**
37	Chemical and chemical products industries	5.640	0.000	2.129	0.000	7.769
55	Motor vehicle, parts and accessories industries, wholesale	0.000	0.000	0.000	0.000	0.511
	Total	**5.640**	**0.000**	**2.129**	**0.000**	**8.280**

Chromium (and its compounds)						
SIC code [3]	**Sector name**	**Air**	**Underground**	**Water**	**Land**	**Total releases [4]**
29	Primary metal industries	6.350	0.000	16.186	308.628	333.705
31	Machinery industries (except electrical machinery)	0.100	0.000	0.000	290.000	290.100
41	Industrial and heavy (engineering) construction industries	0.718	0.000	0.041	30.083	30.842
27	Paper and allied products industries	0.000	0.000	6.920	10.690	18.510
49	Other utility industries	0.012	0.000	7.900	0.000	7.912
39	Other manufacturing industries	0.000	0.000	0.000	5.930	5.930
37	Chemical and chemical products industries	2.179	0.260	0.888	0.000	5.099
30	Fabricated metal products industries (except machinery and transport. equipment)	2.571	0.000	0.000	1.350	4.426
32	Transportation equipment industries	1.690	0.000	0.014	0.000	3.325
35	Non-metallic mineral products industries	0.298	0.000	0.032	2.800	3.134
25	Wood industries	0.000	0.000	0.011	0.000	0.107

Chromium (and its compounds) – *continued*

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
16	Plastic products industries	0.000	0.000	0.000	0.000	0.100
26	Furniture and fixture industries	0.000	0.000	0.000	0.000	0.050
55	Motor vehicle, parts and accessories industries, wholesale	0.001	0.000	0.015	0.000	0.016
	Total	**13.919**	**0.260**	**32.007**	**649.481**	**703.256**

1,2-Dichloroethane

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
37	Chemical and chemical products industries	5.580	0.000	0.448	0.040	6.068
35	Non-metallic mineral products industries	0.000	0.000	0.000	0.000	0.100
	Total	**5.580**	**0.000**	**0.448**	**0.040**	**6.168**

Dichloromethane

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
16	Plastic products industries	1,351.400	0.000	0.000	0.000	1,351.400
37	Chemical and chemical products industries	622.257	0.000	0.000	0.025	624.002
59	Other products and industries, wholesale	65.302	0.000	0.000	0.000	66.556
35	Non-metallic mineral products industries	60.000	0.000	0.000	0.000	60.100
30	Fabricated metal products industries (except machinery and transport. equipment)	40.986	0.000	0.000	0.000	40.986
26	Furniture and fixture industries	37.126	0.000	0.000	0.000	37.126
32	Transportation equipment industries	26.033	0.000	0.000	0.000	26.045
25	Wood industries	0.203	0.000	0.000	0.000	0.203
39	Other manufacturing industries	0.000	0.000	0.000	0.000	0.200
36	Refined petroleum and coal products industries	0.002	0.000	0.000	0.000	0.002
	Total	**2,203.309**	**0.000**	**0.000**	**0.025**	**2,206.620**

Dimethyl sulphate

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
37	Chemical and chemical products industries	0.008	0.000	0.000	0.000	0.008
	Total	**0.008**	**0.000**	**0.000**	**0.000**	**0.008**

Epichlorohydrin

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
15	Rubber products industries	1.000	0.000	0.000	0.000	1.000
16	Plastic products industries	0.000	0.000	0.000	0.000	0.125
37	Chemical and chemical products industries	0.000	0.000	0.000	0.000	0.008
	Total	**1.000**	**0.000**	**0.000**	**0.000**	**1.133**

Ethylene oxide

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
37	Chemical and chemical products industries	26.086	0.000	0.000	0.000	26.204
	Total	**26.086**	**0.000**	**0.000**	**0.000**	**26.204**

Formaldehyde

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
25	Wood industries	554.680	0.000	0.000	0.000	554.680
27	Paper and allied products industries	18.240	0.000	295.300	0.170	313.710
37	Chemical and chemical products industries	120.455	40.140	1.767	0.010	164.880
35	Non-metallic mineral products industries	114.749	0.000	0.046	0.000	114.925
16	Plastic products industries	1.362	0.000	45.859	0.000	47.321
59	Other products and industries, wholesale	5.915	0.000	0.000	0.000	6.135
29	Primary metal industries	1.800	0.000	0.000	0.000	1.800
32	Transportation equipment industries	1.681	0.000	0.000	0.000	1.681
55	Motor vehicle, parts and accessories industries, wholesale	0.000	0.000	0.000	0.000	0.512
33	Electrical and electronic products industries	0.100	0.000	0.000	0.000	0.100
30	Fabricated metal products industries (except machinery and transport. equipment)	0.050	0.000	0.000	0.000	0.050
	Total	**819.032**	**40.140**	**342.972**	**0.180**	**1,205.794**

Lead (and its compounds)

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
29	Primary metal industries	522.128	0.000	18.091	795.314	1,337.725
06	Mining industries	133.868	0.000	62.257	25.700	222.131
33	Electrical and electronic products industries	2.692	0.000	0.155	0.698	4.925
45	Transportation industries	2.121	0.000	0.453	0.000	2.574
35	Non-metallic mineral products industries	1.600	0.000	0.000	0.000	1.601
30	Fabricated metal products industries (except machinery and transport. equipment)	0.132	0.000	0.160	0.000	1.055
37	Chemical and chemical products industries	0.234	0.000	0.060	0.000	0.824

Lead (and its compounds) – *continued*

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
32	Transportation equipment industries	0.172	0.000	0.009	0.000	0.593
19	Textile products industries	0.200	0.000	0.000	0.000	0.200
36	Refined petroleum and coal products industries	0.000	0.040	0.030	0.078	0.148
16	Plastic products industries	0.000	0.000	0.000	0.000	0.108
39	Other manufacturing industries	0.004	0.000	0.000	0.000	0.104
15	Rubber products industries	0.037	0.000	0.000	0.000	0.044
83	Local government service industries	0.005	0.000	0.000	0.000	0.005
77	Business service industries	0.001	0.000	0.002	0.000	0.003
	Total	**663.194**	**0.040**	**81.217**	**821.790**	**1,572.040**

Mercury (and its compounds)

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
06	Mining industries	2.250	0.000	0.065	0.005	2.320
37	Chemical and chemical products industries	0.026	0.000	0.006	0.000	0.032
36	Refined petroleum and coal products industries	0.000	0.000	0.000	0.012	0.012
29	Primary metal industries	0.000	0.000	0.000	0.000	0.002
	Total	**2.276**	**0.000**	**0.071**	**0.017**	**2.366**

***p,p'*-Methylene*bis*(2-chloroaniline)**

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
37	Chemical and chemical products industries	0.000	0.000	0.000	0.000	0.004
	Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.004**

Nickel (and its compounds)

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
29	Primary metal industries	617.659	0.000	41.422	101.202	761.040
36	Refined petroleum and coal products industries	15.792	0.000	0.000	1.861	17.658
41	Industrial and heavy (engineering) construction industries	0.200	0.000	0.000	13.617	13.817
37	Chemical and chemical products industries	2.420	0.000	1.608	2.368	6.796
07	Crude petroleum and natural gas industries	5.100	0.000	0.400	0.700	6.200
06	Mining industries	1.519	0.000	2.439	0.100	4.058
32	Transportation equipment industries	1.502	0.000	0.000	0.000	2.321
30	Fabricated metal products industries (except machinery and transport. equipment)	0.879	0.000	0.015	0.501	1.646
16	Plastic products industries	0.000	0.000	0.000	0.000	0.100

Nickel (and its compounds) – *continued*

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
33	Electrical and electronic products industries	0.000	0.000	0.000	0.000	0.100
26	Furniture and fixture industries	0.000	0.000	0.000	0.000	0.050
49	Other utility industries	0.000	0.000	0.003	0.000	0.003
39	Other manufacturing industries	0.000	0.000	0.000	0.001	0.001
	Total	**645.071**	**0.000**	**45.887**	**120.350**	**813.790**

Propylene oxide

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
37	Chemical and chemical products industries	10.269	0.000	0.000	0.000	10.269
16	Plastic products industries	0.000	0.000	0.000	0.000	0.200
	Total	**10.269**	**0.000**	**0.000**	**0.000**	**10.469**

Styrene oxide

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
16	Plastic products industries	0.000	0.000	0.000	0.000	0.100
	Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.100**

Tetrachloroethylene

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
30	Fabricated metal products industries (except machinery and transport. equipment)	109.380	0.000	0.000	0.000	109.380
37	Chemical and chemical products industries	10.941	0.000	0.010	0.000	11.763
33	Electrical and electronic products industries	10.390	0.000	0.000	0.000	10.390
19	Textile products industries	8.200	0.000	0.000	0.000	8.200
28	Printing, publishing and allied industries	8.028	0.000	0.000	0.000	8.028
18	Primary textile industries	0.000	0.000	0.000	0.000	0.700
59	Other products and industries, wholesale	0.100	0.000	0.000	0.000	0.229
35	Non-metallic mineral products industries	0.000	0.000	0.000	0.000	0.100
36	Refined petroleum and coal products industries	0.000	0.000	0.065	0.000	0.065
	Total	**147.039**	**0.000**	**0.075**	**0.000**	**148.855**

Trichloroethylene

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
29	Primary metal industries	418.912	0.000	0.000	0.000	418.912
30	Fabricated metal products industries (except machinery and transport. equipment)	170.100	0.000	0.000	0.000	170.100

Trichloroethylene – *continued*

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
32	Transportation equipment industries	53.742	0.000	0.000	0.000	53.742
16	Plastic products industries	35.247	0.000	0.000	0.000	35.247
33	Electrical and electronic products industries	29.494	0.000	0.065	0.000	29.559
15	Rubber products industries	24.400	0.000	0.000	0.000	24.400
39	Other manufacturing industries	13.200	0.000	0.000	0.000	13.200
26	Furniture and fixture industries	13.000	0.000	0.000	0.000	13.000
37	Chemical and chemical products industries	2.000	0.000	0.000	0.000	2.640
59	Other products and industries, wholesale	1.300	0.000	0.000	0.000	1.385
19	Textile products industries	0.175	0.000	0.000	0.000	0.175
35	Non-metallic mineral products industries	0.000	0.000	0.000	0.000	0.100
	Total	**761.570**	**0.000**	**0.065**	**0.000**	**762.460**

Vinyl chloride

SIC code [3]	Sector name	Air	Underground	Water	Land	Total releases [4]
37	Chemical and chemical products industries	17.766	0.000	0.137	0.001	17.911
16	Plastic products industries	0.000	0.000	0.000	0.000	0.225
33	Electrical and electronic products industries	0.000	0.000	0.000	0.000	0.100
	Total	**17.766**	**0.000**	**0.137**	**0.001**	**18.236**

Appendix 8 – Off-site transfers in waste in Canada (tonnes)

		Off-site treatment					Off-site disposal					
CAS # [1]	Pollutant	Physical	Chemical	Biologic.	Inciner.	MSTP[2]	Landfill	Storage	Under-ground	Land application	Total transfers	No. of reports
N.A.	Zinc (and its compounds)	154.653	2,897.468	0.000	17.220	12.921	9,653.063	17.871	0.002	0.000	1,2753.198	167
7429-90-5	Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.000	9642.624	0.000	0.000	0.000	9,642.624	12
7664-93-9	Sulphuric acid	0.000	297.254	0.000	7.781	108.543	21.010	330.000	4350.000	0.000	5,114.588	42
1332-21-4	Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000	4157.233	0.000	0.000	0.000	4,157.233	35
N.A.	Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	3,687.246	32.971	0.000	0.000	0.000	3,720.217	18
N.A.	Manganese (and its compounds)	31.684	447.011	0.000	0.000	3.796	2817.220	96.781	0.000	0.000	3,396.492	89
107-21-1	Ethylene glycol	670.421	64.944	1,214.373	228.978	551.183	19.660	7.980	220.145	0.000	2,977.683	95
67-56-1	Methanol	9.138	2.151	1,339.037	524.035	105.673	150.955	0.290	660.231	0.281	2,791.791	83
N.A.	Chromium (and its compounds)	59.121	419.324	0.000	2.630	7.509	2,077.349	23.414	0.000	0.000	2,589.347	117
N.A.	Lead (and its compounds)	2.411	498.788	0.000	3.493	2.558	1,555.332	0.650	0.000	0.001	2,063.233	68
7647-01-0	Hydrochloric acid	0.000	280.903	19.700	23.075	1,007.513	80.774	0.000	0.000	0.000	1,411.965	30
108-88-3	Toluene	17.278	50.638	16.238	1,277.182	1.503	5.352	6.316	8.799	0.000	1,383.307	113
1330-20-7	Xylene (mixed isomers)	4.410	9.540	0.280	1,304.182	0.016	23.375	0.395	4.100	0.000	1,346.298	121
67-63-0	Isopropyl alcohol	3.356	0.000	0.000	540.726	79.717	5.184	171.725	0.040	0.000	800.749	73
N.A.	Ammonia (total)[3]	0.000	155.800	191.444	71.337	315.487	1.159	0.000	0.000	0.000	735.226	30
108-05-4	Vinyl acetate	0.000	3.300	0.000	589.440	0.710	0.005	0.000	0.000	0.000	593.455	6
67-64-1	Acetone	2.740	2.060	6.660	415.644	39.804	63.228	2.060	0.000	0.000	532.196	43
N.A.	Copper (and its compounds)	10.873	73.582	0.000	19.018	3.844	407.505	0.509	0.000	0.000	515.331	110
7664-38-2	Phosphoric acid	11.800	40.860	0.000	1.345	67.291	126.887	220.000	0.000	0.000	468.183	25
78-93-3	Methyl ethyl ketone	10.706	2.168	0.000	417.822	0.072	0.529	7.344	0.000	0.000	438.641	50
N.A.	Nickel (and its compounds)	25.666	157.978	0.000	0.000	2.540	141.748	80.448	0.000	0.000	408.380	57
7697-37-2	Nitric acid	0.000	83.363	0.000	6.840	59.914	2.398	0.000	131.000	0.000	283.515	15
108-95-2	Phenol (and its salts)	0.000	40.497	102.831	46.523	30.030	13.116	0.020	0.000	0.000	233.016	21
100-42-5	Styrene	0.048	13.600	0.500	183.266	0.448	32.797	0.000	0.212	0.000	230.870	24
71-36-3	*n*-Butyl alcohol	19.720	0.072	17.020	153.371	3.370	27.394	0.458	0.000	0.000	221.405	32
50-00-0	Formaldehyde	0.000	2.717	61.540	91.065	9.700	23.714	0.000	0.000	0.000	188.736	33
71-43-2	Benzene	0.000	0.000	2.000	127.300	0.002	1.122	0.000	30.287	0.000	160.712	23
111-42-2	Diethanolamine (and its salts)	0.930	43.033	0.000	27.023	12.147	2.149	0.011	69.765	0.000	155.058	21

(1) A Chemical Abstract Service (CAS) registry number is a unique identifier given to a chemical substance to facilitate the use, interpretation, and cross-referencing of the data.
(2) Municipal sewage treatment plant.
(3) Ammonia (total) means the total of both ammonia (NH_3) and ammonium ion (NH_4^+) in solution.

		Off-site treatment					Off-site disposal					
CAS # [1]	**Pollutant**	**Physical**	**Chemical**	**Biologic.**	**Inciner.**	**MSTP[2]**	**Landfill**	**Storage**	**Under-ground**	**Land application**	**Total transfers**	**No. of reports**
110-82-7	Cyclohexane	0.000	0.000	0.000	117.843	0.000	0.122	0.000	0.182	0.000	118.147	12
95-63-6	1,2,4-Trimethylbenzene	0.460	0.000	0.000	114.709	0.041	2.183	0.460	0.000	0.000	117.852	15
80-62-6	Methyl methacrylate	0.000	0.000	0.000	77.799	0.008	5.318	0.000	0.000	0.000	83.125	7
108-10-1	Methyl isobutyl ketone	2.500	1.736	0.000	62.501	0.000	3.892	0.000	0.000	0.000	70.629	25
127-18-4	Tetrachloroethylene	28.920	0.180	0.090	41.401	0.002	0.000	0.000	0.000	0.000	70.593	10
75-09-2	Dichloromethane	0.000	25.600	0.000	43.443	0.000	0.000	0.000	0.000	0.000	69.043	9
106-99-0	1,3-Butadiene	0.000	0.000	0.000	57.915	0.427	1.706	0.000	0.001	0.000	60.049	4
1344-28-1	Aluminum oxide (fibrous forms)	0.000	0.000	0.000	6.960	0.000	50.920	0.000	0.000	0.000	57.880	6
117-81-7	*Bis*(2-ethylhexyl) phthalate	1.080	0.200	0.000	6.037	0.000	34.233	0.000	0.000	0.000	41.550	14
107-13-1	Acrylonitrile	0.000	0.000	0.000	34.079	0.000	0.000	0.000	0.000	0.000	34.079	1
109-86-4	2-Methoxyethanol	0.000	0.000	0.000	33.900	0.000	0.000	0.000	0.000	0.000	33.900	2
100-41-4	Ethylbenzene	0.670	0.000	2.400	26.728	0.008	1.961	0.000	1.520	0.000	33.287	25
N.A.	Selenium (and its compounds)	0.000	0.000	0.000	0.000	3.578	26.120	0.000	0.000	0.000	29.698	2
79-01-6	Trichloroethylene	2.870	15.300	0.000	10.470	0.001	0.035	0.000	0.000	0.000	28.676	12
101-68-8	Methylene*bis*(phenylisocyanate)	5.740	10.641	0.250	4.420	0.000	1.157	0.388	0.000	0.000	22.596	16
75-35-4	Vinylidene chloride	0.000	0.000	0.000	0.000	0.000	21.000	0.000	0.000	0.000	21.000	1
N.A.	Mercury (and its compounds)	0.000	9.259	0.000	0.000	0.000	10.000	0.000	0.000	0.000	19.259	2
85-68-7	Butyl benzyl phthalate	0.050	0.000	0.000	12.278	0.260	6.278	0.000	0.000	0.000	18.866	6
N.A.	Arsenic (and its compounds)	4.483	0.095	0.000	0.000	0.093	11.637	0.000	0.000	0.000	16.308	18
N.A.	Cadmium (and its compounds)	0.139	0.000	0.000	0.000	0.008	14.209	0.000	0.000	0.000	14.356	7
78-83-1	*i*-Butyl alcohol	0.000	0.000	0.000	13.454	0.000	0.844	0.000	0.020	0.000	14.318	6
103-23-1	*Bis*(2-ethylhexyl) adipate	0.000	0.000	0.000	10.887	0.000	2.645	0.000	0.000	0.000	13.532	5
56-23-5	Carbon tetrachloride	0.000	0.000	0.000	13.090	0.000	0.000	0.000	0.000	0.000	13.090	3
91-20-3	Naphthalene	0.100	0.000	0.000	0.993	0.008	11.079	0.000	0.001	0.000	12.180	15
1313-27-5	Molybdenum trioxide	0.000	7.856	0.000	0.000	1.144	0.280	0.000	0.000	0.000	9.280	3
75-15-0	Carbon disulphide	0.000	0.000	0.000	8.150	0.000	0.000	0.000	0.000	0.000	8.150	1
95-50-1	*o*-Dichlorobenzene	0.000	0.000	0.000	8.000	0.000	0.000	0.000	0.000	0.000	8.000	1
26471-62-5	Toluenediisocyanate (mixed isomers)	0.000	5.760	0.000	1.902	0.000	0.180	0.000	0.000	0.000	7.842	9
75-07-0	Acetaldehyde	0.000	0.000	6.660	0.000	0.000	0.003	0.000	0.000	0.000	6.663	2
7664-39-3	Hydrogen fluoride	0.000	5.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.900	2
N.A.	Cobalt (and its compounds)	1.771	0.000	0.000	0.059	0.025	3.781	0.000	0.000	0.000	5.636	11
96-33-3	Methyl acrylate	0.000	0.000	0.000	3.981	0.000	0.394	0.000	0.000	0.000	4.375	1
117-84-0	Di-*n*-octyl phthalate	0.000	0.000	0.000	2.300	0.083	1.893	0.000	0.000	0.000	4.276	4
85-44-9	Phthalic anhydride	0.000	0.000	0.000	2.824	0.000	1.172	0.000	0.000	0.000	3.996	4

		Off-site treatment					Off-site disposal					
CAS # [1]	Pollutant	Physical	Chemical	Biologic.	Inciner.	MSTP[2]	Landfill	Storage	Under-ground	Land application	Total transfers	No. of reports
1319-77-3	Cresol (mixed isomers and their salts)	0.050	0.000	0.000	3.868	0.050	0.000	0.000	0.000	0.000	3.968	3
67-66-3	Chloroform	0.000	0.000	3.210	0.098	0.000	0.110	0.000	0.000	0.000	3.418	3
N.A.	Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.080	2.754	0.220	0.000	0.000	3.054	7
62-53-3	Aniline (and its salts)	0.000	0.000	2.950	0.000	0.000	0.000	0.000	0.000	0.000	2.950	1
1634-04-4	Methyl *tert*-butyl ether	0.000	0.000	0.000	2.910	0.000	0.000	0.000	0.000	0.000	2.910	2
7440-62-2	Vanadium (fume or dust)	0.000	0.000	0.000	0.000	2.033	0.519	0.000	0.000	0.000	2.552	3
139-13-9	Nitrilotriacetic acid (and its salts)	0.000	0.000	0.000	0.000	2.034	0.000	0.000	0.000	0.000	2.034	3
110-80-5	2-Ethoxyethanol	0.000	0.000	0.000	1.552	0.000	0.000	0.000	0.000	0.000	1.552	3
84-74-2	Dibutyl phthalate	0.100	0.017	0.000	0.800	0.000	0.446	0.000	0.000	0.000	1.363	5
108-38-3	*m*-Xylene	0.000	0.000	0.000	0.350	0.712	0.000	0.000	0.000	0.000	1.062	2
75-01-4	Vinyl chloride	0.000	0.000	0.000	0.016	0.000	0.843	0.000	0.000	0.000	0.859	3
92-52-4	Biphenyl	0.000	0.000	0.000	0.727	0.000	0.096	0.000	0.000	0.000	0.823	7
74-85-1	Ethylene	0.000	0.400	0.000	0.000	0.182	0.000	0.000	0.000	0.000	0.582	2
106-46-7	*p*-Dichlorobenzene	0.000	0.000	0.000	0.000	0.000	0.400	0.000	0.000	0.000	0.400	1
120-12-7	Anthracene	0.100	0.000	0.000	0.003	0.000	0.243	0.000	0.000	0.000	0.346	4
141-32-2	Butyl acrylate	0.000	0.000	0.000	0.302	0.015	0.000	0.000	0.000	0.000	0.317	2
95-47-6	*o*-Xylene	0.000	0.000	0.000	0.023	0.278	0.000	0.000	0.000	0.000	0.301	2
111-15-9	2-Ethoxyethyl acetate	0.000	0.000	0.000	0.288	0.000	0.000	0.000	0.000	0.000	0.288	3
106-42-3	*p*-Xylene	0.000	0.000	0.000	0.000	0.273	0.000	0.000	0.000	0.000	0.273	1
98-82-8	Cumene	0.000	0.000	0.000	0.182	0.000	0.005	0.000	0.000	0.000	0.187	2
79-06-1	Acrylamide	0.000	0.000	0.000	0.000	0.067	0.081	0.000	0.000	0.000	0.148	1
N.A.	Silver (and its compounds)	0.000	0.000	0.000	0.000	0.056	0.070	0.000	0.000	0.000	0.126	3
1163-19-5	Decabromodiphenyl oxide	0.000	0.000	0.000	0.000	0.000	0.110	0.000	0.000	0.000	0.110	1
584-84-9	Toluene-2,4-diisocyanate	0.000	0.050	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.100	1
7782-50-5	Chlorine	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.100	1
N.A.	Cyanides (ionic)	0.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	1
107-06-2	1,2-Dichloroethane	0.000	0.000	0.000	0.051	0.000	0.000	0.000	0.000	0.000	0.051	1
79-10-7	Acrylic acid (and its salts)	0.000	0.000	0.000	0.001	0.006	0.032	0.000	0.000	0.000	0.039	2
534-52-1	4,6-Dinitro-o-cresol (and its salts)	0.000	0.000	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.032	1
7723-14-0	Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.000	0.000	0.031	1
108-31-6	Maleic anhydride	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.015	1
80-05-7	*p,p'*-Isopropylidenediphenol	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.015	1
7550-45-0	Titanium tetrachloride	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.007	1
75-65-0	*tert*-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.001	1
	Total	**1,083.987**	**5,670.106**	**2,987.214**	**6,806.598**	**6,125.107**	**31,304.716**	**967.340**	**5,476.305**	**0.282**	**60,421.653**	**1,890**

Appendix 9 – Off-site transfers[1] in waste by Standard Industrial Classification (SIC)[2] code (tonnes)

06 - Mining industries										
Pollutant	**Physical**	**Chemical**	**Biologic.**	**Inciner.**	**Landfill**	**Storage**	**MSTP[3]**	**Under-ground**	**Land application**	**Total transfers**
Zinc (and its compounds)	0.000	0.000	0.000	0.000	1.760	1.906	0.000	0.000	0.000	3.666
Manganese (and its compounds)	0.000	0.000	0.000	0.000	1.267	1.373	0.000	0.000	0.000	2.640
Copper (and its compounds)	0.000	0.000	0.000	0.000	1.236	0.582	0.000	0.000	0.000	1.818
Acetone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acrylamide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arsenic (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Asbestos (friable form)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cadmium (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cyanides (ionic)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrogen cyanide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrogen fluoride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mercury (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl isobutyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Molybdenum trioxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

(1) 'Zero' transfer indicates that the industry manufactures, processes or otherwise uses 10 tonnes or more of the pollutant at a concentration ≥ 1% but that the pollutant is not transferred off-site.
(2) SIC code = Standard Industrial Classification code, established by Statistics Canada. The codes are those provided by the facilities.
(3) Municipal sewage treatment plant.
(4) Ammonia (total) means the total of both ammonia (NH_3) and ammonium ion (NH_4^+) in solution.

06 - Mining industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Selenium (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Silver (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.263**	**3.861**	**0.000**	**0.000**	**0.000**

07 - Crude petroleum and natural gas industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Methanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6,035.528	0.000	6,035.528
Ethylene glycol	0.000	349.950	0.000	0.380	2.840	0.000	0.000	1,647.956	0.000	2,001.126
Diethanolamine (and its salts)	0.000	334.824	0.000	196.690	6.490	0.000	0.000	613.220	0.000	1,151.224
Asbestos (friable form)	0.000	0.000	0.000	0.000	973.100	0.000	0.000	0.000	0.000	973.100
Benzene	0.000	0.000	0.000	1.823	6.000	0.000	0.000	302.348	0.000	310.170
Toluene	0.000	0.000	0.000	1.025	6.152	0.000	0.000	87.297	0.000	94.474
Xylene (mixed isomers)	0.000	0.000	0.000	0.439	6.156	0.000	0.000	40.019	0.000	46.614
Ethylbenzene	0.000	0.000	0.000	0.059	0.032	0.000	0.000	13.977	0.000	14.068
Cyclohexane	0.000	0.000	0.000	0.016	0.000	0.000	0.000	1.456	0.000	1.472
o-Xylene	0.000	0.000	0.000	0.690	0.000	0.000	0.000	0.000	0.000	0.690
1,2,4-Trimethylbenzene	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.016
1,3-Butadiene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Carbon disulphide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cumene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl ethyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Molybdenum trioxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Naphthalene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

07 - Crude petroleum and natural gas industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phenol (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Propylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**684.774**	**0.000**	**201.138**	**1,000.770**	**0.000**	**0.000**	**8,741.800**	**0.000**	**10,628.482**

10 - Food industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	5,820.016	0.000	0.000	5,820.016
Nickel (and its compounds)	573.608	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	573.608
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	294.098	0.000	0.000	294.098
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	274.305	0.000	0.000	274.305
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	151.260	0.000	0.000	151.260
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	100.480	0.000	0.000	100.480
Bromomethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine dioxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Formaldehyde	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Peracetic acid (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Selenium (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**573.608**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**6,640.159**	**0.000**	**0.000**	**7,213.767**

11 - Beverage industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	378.000	0.000	0.000	378.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	4.200	0.000	0.000	4.200
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**382.200**	**0.000**	**0.000**	**382.200**

15 - Rubber products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Zinc (and its compounds)	1.680	120.525	0.000	24.157	3,340.318	4.924	2.141	0.000	0.000	3,493.745
Xylene (mixed isomers)	0.000	0.000	0.000	127.293	149.108	0.000	0.000	0.000	0.000	276.400
Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	0.000	266.140	0.000	0.000	0.000	0.000	266.140
Methyl isobutyl ketone	0.000	0.000	0.000	1.948	95.427	0.000	0.000	0.000	0.000	97.375
Toluene	0.000	0.000	0.000	72.448	0.000	0.000	0.000	0.000	0.000	72.448
Ethylbenzene	0.000	0.000	0.000	10.839	34.896	0.000	0.000	0.000	0.000	45.735
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	0.000	29.000	0.000	0.000	0.000	0.000	29.000
Methyl ethyl ketone	0.000	0.000	0.000	15.143	4.782	0.000	0.000	0.000	0.000	19.925
1,3-Butadiene	0.000	0.000	0.000	0.000	8.532	0.000	2.133	0.000	0.000	10.665
Di-*n*-octyl phthalate	0.000	0.000	0.000	0.000	10.106	0.000	0.166	0.000	0.000	10.272
Styrene	0.000	0.000	0.000	0.000	7.876	0.000	1.969	0.000	0.000	9.845
Manganese (and its compounds)	0.000	0.000	0.000	0.000	9.784	0.000	0.000	0.000	0.000	9.784
Lead (and its compounds)	0.000	0.000	0.000	0.000	6.946	0.000	0.052	0.000	0.000	6.998
Cobalt (and its compounds)	0.000	0.000	0.000	0.118	6.029	0.000	0.000	0.000	0.000	6.147
Copper (and its compounds)	0.000	0.000	0.000	0.000	3.328	0.000	0.000	0.000	0.000	3.328
Bis(2-ethylhexyl) adipate	0.000	0.000	0.000	0.000	1.540	0.000	0.000	0.000	0.000	1.540
Nickel (and its compounds)	0.000	0.000	0.000	0.000	1.396	0.000	0.000	0.000	0.000	1.396
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.840	0.000	0.000	0.000	0.000	0.840
Acrylonitrile	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Epichlorohydrin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

15 - Rubber products industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**1.680**	**120.525**	**0.000**	**251.945**	**3,976.048**	**4.924**	**6.462**	**0.000**	**0.000**	**4,361.583**

16 - Plastic products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
n-Butyl alcohol	0.000	0.000	0.000	443.592	49.288	0.000	0.000	0.000	0.000	492.880
Methanol	0.000	0.000	0.000	406.048	15.397	0.000	0.000	0.000	0.000	421.445
Styrene	0.000	0.000	0.000	194.371	199.664	0.000	0.048	0.000	0.000	394.083
Xylene (mixed isomers)	0.040	0.000	0.000	202.118	10.018	0.000	0.000	0.000	0.000	212.176
Formaldehyde	0.000	0.000	2.401	24.401	119.234	0.000	0.000	0.000	0.000	146.036
Bis(2-ethylhexyl) phthalate	0.000	2.400	0.000	0.000	136.714	0.000	0.000	0.000	0.000	139.114
Acrylonitrile	0.000	0.000	0.000	136.316	0.000	0.000	0.000	0.000	0.000	136.316
Toluene	0.100	0.000	0.000	110.166	0.020	0.000	0.000	0.000	0.000	110.286
Ammonia (total) [4]	0.000	0.000	0.000	101.488	0.000	0.000	0.000	0.000	0.000	101.488
Acetone	0.000	0.000	0.000	65.640	0.020	0.000	0.000	0.000	0.000	65.660
2-Methoxyethanol	0.000	0.000	0.000	64.800	0.000	0.000	0.000	0.000	0.000	64.800
Methyl ethyl ketone	44.736	0.000	0.000	19.590	0.000	0.000	0.000	0.000	0.000	64.326
Bis(2-ethylhexyl) adipate	0.000	0.000	0.000	43.549	18.951	0.000	0.000	0.000	0.000	62.500
Phenol (and its salts)	0.000	0.000	6.519	0.000	52.749	0.000	0.000	0.000	0.000	59.268
i-Butyl alcohol	0.000	0.000	0.000	30.301	3.367	0.000	0.000	0.000	0.000	33.668
Methyl methacrylate	0.000	0.000	0.000	0.000	27.200	0.000	0.000	0.000	0.000	27.200
Dichloromethane	0.000	25.600	0.000	0.600	0.000	0.000	0.000	0.000	0.000	26.200
Lead (and its compounds)	0.000	0.000	0.000	0.000	11.051	0.000	0.000	0.000	0.000	11.051
Zinc (and its compounds)	0.000	0.000	0.000	0.000	7.578	0.000	0.000	0.000	0.000	7.578
Phosphoric acid	0.000	7.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.200
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.200	3.000	1.640	0.000	0.000	0.000	0.000	4.840
1,3-Butadiene	0.000	0.000	0.000	4.748	0.000	0.000	0.000	0.000	0.000	4.748
Toluenediisocyanate (mixed isomers)	0.000	0.000	0.000	3.324	0.000	0.000	0.000	0.000	0.000	3.324
Chromium (and its compounds)	0.000	0.000	0.000	0.000	2.507	0.000	0.000	0.000	0.000	2.507
Di-*n*-octyl phthalate	0.000	0.000	0.000	2.412	0.000	0.000	0.000	0.000	0.000	2.412
Isopropyl alcohol	0.000	0.000	0.000	1.383	0.000	0.000	0.000	0.000	0.000	1.383
1,2,4-Trimethylbenzene	0.920	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.920

16 - Plastic products industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Cadmium (and its compounds)	0.000	0.000	0.000	0.000	0.552	0.000	0.000	0.000	0.000	0.552
Asbestos (friable form)	0.000	0.000	0.000	0.000	0.160	0.000	0.000	0.000	0.000	0.160
2-Ethoxyethanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-Nitropropane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acrylic acid (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Butyl benzyl phthalate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C.I. acid green 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chloroethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cyclohexane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dibutyl phthalate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Diethanolamine (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Epichlorohydrin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethyl acrylate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylbenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrogen cyanide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maleic anhydride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl isobutyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
p,p'-Methylenedianiline	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phthalic anhydride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Propylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Propylene oxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Styrene oxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluene-2,4-diisocyanate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vinyl chloride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**45.796**	**35.200**	**9.120**	**1,857.847**	**656.110**	**0.000**	**0.048**	**0.000**	**0.000**	**2,604.121**

17 - Leather and allied products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	122.200	0.000	0.000	122.200
Toluene	17.325	10.000	0.000	0.000	0.000	27.325	0.000	0.000	0.000	54.650
Acetone	0.000	10.300	0.000	0.000	0.000	10.300	0.000	0.000	0.000	20.600
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	7.260	0.000	0.000	7.260
Xylene (mixed isomers)	0.000	0.000	0.000	4.800	0.000	0.000	0.000	0.000	0.000	4.800
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**17.325**	**20.300**	**0.000**	**4.800**	**0.500**	**37.625**	**129.460**	**0.000**	**0.000**	**210.010**

18 - Primary textile industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Phenol (and its salts)	0.000	0.000	0.000	50.400	0.000	0.000	0.000	0.000	0.000	50.400
Methanol	0.000	0.000	0.000	46.800	0.000	0.000	0.000	0.000	0.000	46.800
Butyl benzyl phthalate	0.000	0.000	0.000	0.000	38.520	0.000	0.000	0.000	0.000	38.520
Biphenyl	0.000	0.000	0.000	6.660	0.000	0.000	0.000	0.000	0.000	6.660
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.000	4.620	0.000	0.000	0.000	4.620
Xylene (mixed isomers)	0.000	1.680	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.680
1,4-Dioxane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acetaldehyde	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tetrachloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**1.680**	**0.000**	**103.860**	**38.520**	**4.620**	**0.000**	**0.000**	**0.000**	**148.680**

19 - Textile products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Tetrachloroethylene	0.900	1.800	0.900	0.000	0.000	0.000	0.000	0.000	0.000	3.600
Sulphuric acid	0.000	0.000	0.000	0.000	0.032	0.000	0.000	0.000	0.000	0.032
Acetone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl ethyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phenol (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluenediisocyanate (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.900**	**1.800**	**0.900**	**0.000**	**0.032**	**0.000**	**0.000**	**0.000**	**0.000**	**3.632**

25 - Wood industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Formaldehyde	0.000	0.000	0.000	156.400	0.500	0.000	0.000	0.000	0.000	156.900
Chromium (and its compounds)	16.506	0.187	0.000	0.000	2.921	0.000	0.000	0.000	0.000	19.614
Arsenic (and its compounds)	12.466	0.095	0.000	0.000	2.805	0.000	0.000	0.000	0.000	15.366
Ethylene glycol	0.000	0.000	0.000	0.000	13.800	0.000	0.000	0.000	0.000	13.800
Copper (and its compounds)	6.430	0.133	0.000	0.000	1.915	0.000	0.000	0.000	0.000	8.478
Naphthalene	0.000	0.000	0.000	0.020	1.324	0.000	0.000	0.000	0.000	1.344
Anthracene	0.000	0.000	0.000	0.012	0.972	0.000	0.000	0.000	0.000	0.984
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.900	0.000	0.000	0.000	0.000	0.000	0.900
Phosphoric acid	0.000	0.270	0.000	0.270	0.000	0.000	0.000	0.000	0.000	0.540
Biphenyl	0.000	0.000	0.000	0.004	0.224	0.000	0.000	0.000	0.000	0.228
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.200
2-Ethoxyethyl acetate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acetone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Benzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorobenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

25 - Wood industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Dichloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylbenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
i-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
m-Xylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl ethyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl isobutyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
p-Xylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phenol (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Styrene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
tert-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluenediisocyanate (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**35.402**	**0.685**	**0.000**	**157.606**	**24.661**	**0.000**	**0.000**	**0.000**	**0.000**	**218.354**

26 - Furniture and fixture industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Toluene	0.000	0.000	2.160	12.818	0.276	0.000	0.000	0.000	0.000	15.254
Toluenediisocyanate (mixed isomers)	0.000	5.760	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.760
Diethanolamine (and its salts)	5.580	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.580
Xylene (mixed isomers)	0.000	0.000	3.060	0.000	0.000	0.000	0.000	0.000	0.000	3.060
Methanol	0.000	0.000	1.644	0.000	0.000	0.000	0.000	0.000	0.000	1.644
Acetone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dichloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
i-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

26 - Furniture and fixture industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl ethyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl isobutyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**5.580**	**5.760**	**6.864**	**12.818**	**0.276**	**0.000**	**0.000**	**0.000**	**0.000**	**31.298**

27 - Paper and allied products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Methanol	0.000	0.000	4,016.700	0.000	415.164	0.000	0.000	0.000	0.762	4,432.626
Manganese (and its compounds)	0.000	0.000	0.000	0.000	265.450	0.000	0.000	0.000	0.000	265.450
Formaldehyde	0.000	0.000	184.020	0.000	18.312	0.000	21.144	0.000	0.000	223.476
Asbestos (friable form)	0.000	0.000	0.000	0.000	200.280	0.000	0.000	0.000	0.000	200.280
Toluene	0.000	0.000	49.600	142.800	0.000	0.000	0.000	0.000	0.000	192.400
Methyl ethyl ketone	0.000	0.000	0.000	0.000	0.000	70.920	0.000	0.000	0.000	70.920
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	53.470	0.000	0.000	53.470
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	40.000	0.000	0.000	0.000	0.000	40.000
n-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	36.000	0.000	0.000	36.000
Acetone	0.000	0.000	19.980	1.032	0.000	0.000	0.000	0.000	0.000	21.012
Acetaldehyde	0.000	0.000	19.980	0.000	0.000	0.000	0.000	0.000	0.000	19.980
Chloroform	0.000	0.000	9.630	0.000	0.330	0.000	0.000	0.000	0.000	9.960
Ethylene glycol	0.000	0.000	0.000	0.000	0.000	0.000	9.000	0.000	0.000	9.000
Diethanolamine (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	3.600	0.000	0.000	3.600
Sulphuric acid	0.000	1.476	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.476
Phenol (and its salts)	0.000	0.000	0.000	0.000	0.120	0.120	0.000	0.000	0.000	0.240
Ammonia (total)[4]	0.000	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.016
Acrylamide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine dioxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

27 - Paper and allied products industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl isobutyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitrilotriacetic acid (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tetrachloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**1.476**	**4,299.910**	**143.832**	**939.672**	**71.040**	**123.214**	**0.000**	**0.762**	**5,579.906**

28 - Printing, publishing and allied industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Isopropyl alcohol	49.723	0.000	0.000	1,266.719	0.000	0.000	0.000	0.000	0.000	1,316.442
Tetrachloroethylene	144.150	0.000	0.000	480.000	0.000	0.000	0.000	0.000	0.000	624.150
Toluene	155.938	0.000	0.000	120.194	0.000	0.000	0.000	0.000	0.000	276.132
Methanol	23.112	0.000	0.000	166.848	0.000	0.000	0.000	0.000	0.000	189.960
Acetone	0.000	0.000	0.000	124.800	0.000	0.000	0.000	0.000	0.000	124.800
Xylene (mixed isomers)	0.000	0.000	0.000	121.230	0.000	0.000	0.000	0.000	0.000	121.230
n-Butyl alcohol	96.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	96.100
Cyclohexane	0.000	0.000	0.000	54.276	0.000	0.000	0.000	0.000	0.000	54.276
Methyl ethyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**469.023**	**0.000**	**0.000**	**2,334.067**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2,803.090**

29 - Primary metal industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Zinc (and its compounds)	55.200	18,188.133	0.000	0.000	40,867.049	0.042	5.507	0.000	0.000	59,115.931
Manganese (and its compounds)	5.320	2,788.166	0.000	0.000	7,890.349	560.000	3.701	0.000	0.000	11,247.536
Lead (and its compounds)	0.003	3,808.284	0.000	0.000	6,793.614	0.000	1.104	0.000	0.000	10,603.005
Chromium (and its compounds)	0.000	1,066.957	0.000	0.000	6,582.396	0.000	1.547	0.000	0.000	7,650.900
Hydrochloric acid	0.000	94.292	0.000	0.000	426.900	0.000	1,882.713	0.000	0.000	2,403.905
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	2,082.702	0.000	0.000	0.000	0.000	2,082.702

29 - Primary metal industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Copper (and its compounds)	0.000	64.248	0.000	252.000	1,281.441	0.021	9.498	0.000	0.000	1,607.208
Nickel (and its compounds)	0.000	464.113	0.000	0.000	146.991	0.000	1.659	0.000	0.000	612.764
Asbestos (friable form)	0.000	0.000	0.000	0.000	579.000	0.000	0.000	0.000	0.000	579.000
Sulphuric acid	0.000	253.208	0.000	156.051	55.908	0.000	91.140	0.000	0.000	556.307
Nitric acid	0.000	409.920	0.000	0.000	0.000	0.000	86.000	0.000	0.000	495.920
Ethylene glycol	0.000	0.000	0.000	257.800	54.477	0.000	0.000	0.000	0.000	312.277
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	141.000	0.000	0.000	141.000
Selenium (and its compounds)	0.000	0.000	0.000	0.000	110.720	0.000	21.468	0.000	0.000	132.188
Cadmium (and its compounds)	0.000	0.000	0.000	0.000	83.641	0.000	0.042	0.000	0.000	83.683
Phosphoric acid	23.600	0.000	0.000	0.000	0.000	0.000	55.980	0.000	0.000	79.580
Arsenic (and its compounds)	0.000	0.000	0.000	0.000	59.380	0.000	0.558	0.000	0.000	59.938
Molybdenum trioxide	0.000	48.028	0.000	0.000	0.000	0.000	0.752	0.000	0.000	48.780
Mercury (and its compounds)	0.000	0.000	0.000	0.000	40.000	0.000	0.000	0.000	0.000	40.000
Hydrogen fluoride	0.000	34.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	34.800
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	0.000	32.520	0.000	0.000	0.000	0.000	32.520
Naphthalene	0.000	0.000	0.000	0.000	26.475	0.000	0.006	0.000	0.000	26.481
Phenol (and its salts)	0.000	0.000	0.000	0.000	25.020	0.000	0.000	0.000	0.000	25.020
Acetone	0.000	0.000	0.000	11.200	0.000	0.000	0.000	0.000	0.000	11.200
Antimony (and its compounds)	0.000	0.000	0.000	0.000	7.296	0.000	0.480	0.000	0.000	7.776
Decabromodiphenyl oxide	0.000	0.000	0.000	0.000	2.310	0.000	0.000	0.000	0.000	2.310
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.960	0.000	0.000	0.000	0.000	0.960
Silver (and its compounds)	0.000	0.000	0.000	0.000	0.384	0.000	0.138	0.000	0.000	0.522
1,2,4-Trimethylbenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anthracene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Benzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Bis(2-ethylhexyl) adipate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cyanides (ionic)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dichloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylbenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Formaldehyde	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrazine (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

29 - Primary metal industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Methanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Propylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Styrene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Thiourea	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**84.123**	**27,220.149**	**0.000**	**677.051**	**67,149.534**	**560.063**	**2,303.292**	**0.000**	**0.000**	**97,994.213**

30 - Fabricated metal products industries (except machinery and transport equipment)

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Chromium (and its compounds)	1,320.400	973.582	0.000	0.000	3,853.473	140.000	2.350	0.000	0.000	6,289.805
Zinc (and its compounds)	8.390	823.536	0.000	6.960	4,997.643	4.171	54.053	0.000	0.000	5,894.753
Hydrochloric acid	0.000	716.286	0.000	0.000	2.330	0.000	3,680.036	0.000	0.000	4,398.652
Sulphuric acid	0.000	1,066.177	0.000	0.000	16.000	2,970.000	0.152	0.000	0.000	4,052.329
Manganese (and its compounds)	1,200.000	62.836	0.000	0.000	787.098	1,600.000	28.868	0.000	0.000	3,678.802
Phosphoric acid	0.000	624.000	0.000	0.000	12.500	1,980.000	6.800	0.000	0.000	2,623.300
Lead (and its compounds)	0.000	113.150	0.000	0.000	1,071.449	0.000	18.010	0.000	0.020	1,202.629
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	1,170.000	0.000	0.000	1,170.000
Nickel (and its compounds)	605.971	107.518	0.000	0.000	123.360	12.000	1.125	0.000	0.000	849.974
Xylene (mixed isomers)	2.680	0.000	0.000	572.738	29.526	0.000	0.000	0.000	0.000	604.944
Copper (and its compounds)	21.512	18.849	0.000	0.000	308.755	0.000	1.738	0.000	0.000	350.854
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	157.185	0.000	0.000	157.185
Trichloroethylene	14.100	132.000	0.000	4.800	0.490	0.000	0.000	0.000	0.000	151.390
n-Butyl alcohol	0.000	0.000	0.000	138.150	0.000	0.000	0.000	0.000	0.000	138.150
Nitric acid	0.000	0.000	0.000	0.000	8.750	0.000	68.300	0.000	0.000	77.050
Toluene	0.000	0.000	0.000	33.180	9.990	0.000	0.000	0.000	0.000	43.170
Methyl isobutyl ketone	0.000	0.000	0.000	38.865	0.098	0.000	0.000	0.000	0.000	38.963
Methyl ethyl ketone	0.000	0.000	0.000	32.200	0.442	0.000	0.000	0.000	0.000	32.642
Bis(2-ethylhexyl) phthalate	27.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27.000

30 - Fabricated metal products industries (except machinery and transport equipment) – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	15.200	0.000	0.000	0.000	0.000	15.200
Isopropyl alcohol	0.000	0.000	0.000	12.400	0.000	0.000	0.000	0.000	0.000	12.400
Methyl methacrylate	0.000	0.000	0.000	0.000	5.984	0.000	0.000	0.000	0.000	5.984
Acetone	0.000	0.000	0.000	4.560	0.000	0.000	0.000	0.000	0.000	4.560
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	0.000	3.000	0.000	0.000	0.000	0.000	3.000
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.400	0.000	0.000	0.000	0.000	0.000	0.400
Methanol	0.000	0.000	0.000	0.112	0.000	0.000	0.000	0.000	0.000	0.112
Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.062	0.000	0.000	0.000	0.000	0.062
2-Ethoxyethyl acetate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dichloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylbenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Formaldehyde	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrogen fluoride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
i-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
sec-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tetrachloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**3,200.053**	**4,637.934**	**0.000**	**844.365**	**11,246.150**	**6,706.171**	**5,188.618**	**0.000**	**0.020**	**31,823.310**

31 - Machinery industries (except electrical machinery)

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	0.000	1,610.000	0.000	0.000	0.000	0.000	1,610.000
Chromium (and its compounds)	0.000	7.820	0.000	0.000	80.822	0.000	0.000	0.000	0.000	88.642
Manganese (and its compounds)	0.000	1.840	0.000	0.000	41.400	0.000	0.000	0.000	0.000	43.240
Xylene (mixed isomers)	0.000	0.000	0.000	23.800	0.000	0.000	0.000	0.000	0.000	23.800
Copper (and its compounds)	0.000	0.000	0.000	0.000	6.670	0.000	0.000	0.000	0.000	6.670
Nickel (and its compounds)	0.000	0.000	0.000	0.000	4.600	0.000	0.000	0.000	0.000	4.600
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	2.000	0.000	0.000	0.000	0.000	2.000
1,2,4-Trimethylbenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**9.660**	**0.000**	**23.800**	**1,745.492**	**0.000**	**0.000**	**0.000**	**0.000**	**1,778.952**

32 - Transportation equipment industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Zinc (and its compounds)	544.006	225.473	0.000	5.672	860.363	74.591	10.448	0.000	0.000	1,720.554
Toluene	0.000	0.153	0.000	1,424.619	3.887	9.404	0.006	0.000	0.000	1,438.069
Nickel (and its compounds)	0.000	323.589	0.000	0.000	338.967	320.592	8.818	0.000	0.000	991.965
Chromium (and its compounds)	8.996	544.617	0.000	3.870	50.970	79.656	32.778	0.000	0.000	720.887
Asbestos (friable form)	0.000	0.000	0.000	0.000	529.200	0.000	0.000	0.000	0.000	529.200
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	115.269	0.000	234.396	0.000	0.000	349.665
Acetone	2.600	0.000	0.000	346.054	0.044	0.000	0.012	0.000	0.000	348.710
Copper (and its compounds)	0.537	194.500	0.000	0.186	75.772	0.000	2.341	0.000	0.000	273.337
Lead (and its compounds)	0.022	0.000	0.000	0.012	268.820	2.601	0.553	0.000	0.000	272.008
Vinylidene chloride	0.000	0.000	0.000	0.000	252.000	0.000	0.000	0.000	0.000	252.000
Manganese (and its compounds)	0.603	0.000	0.000	0.000	230.359	2.208	4.726	0.000	0.000	237.896
Methanol	0.000	0.000	0.000	229.069	0.019	1.160	0.700	0.000	0.000	230.948
Xylene (mixed isomers)	0.000	0.000	0.000	161.074	26.018	1.186	0.033	0.000	0.000	188.310
Methyl ethyl ketone	0.000	1.404	0.000	161.420	0.433	0.755	0.000	0.000	0.000	164.012
o-Dichlorobenzene	0.000	0.000	0.000	112.000	0.000	0.000	0.000	0.000	0.000	112.000
Styrene	0.285	0.000	0.000	82.448	28.257	0.000	0.000	0.000	0.000	110.990
Methylene*bis*(phenylisocyanate)	45.920	59.182	0.900	0.000	1.048	1.552	0.000	0.000	0.000	108.602
Ethylene glycol	0.001	3.600	0.000	36.934	0.424	31.920	4.808	3.400	0.000	81.087
Diethanolamine (and its salts)	0.000	7.080	0.000	0.000	0.000	0.000	69.723	0.000	0.000	76.803
Isopropyl alcohol	0.000	0.000	0.000	37.251	36.747	2.175	0.000	0.000	0.000	76.173
Methyl isobutyl ketone	0.000	0.000	0.000	75.612	0.101	0.000	0.000	0.000	0.000	75.713
Ethylbenzene	0.000	0.000	0.000	37.797	2.122	0.000	0.000	0.000	0.000	39.919
Toluenediisocyanate (mixed isomers)	0.000	28.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.800
Cresol (mixed isomers and their salts)	0.000	0.000	0.000	28.000	0.000	0.000	0.000	0.000	0.000	28.000
Nitric acid	0.000	0.000	0.000	0.000	27.969	0.000	0.000	0.000	0.000	27.969
Trichloroethylene	0.000	0.000	0.000	27.650	0.000	0.000	0.000	0.000	0.000	27.650
Hydrochloric acid	0.000	1.152	0.000	4.900	0.000	0.000	19.550	0.000	0.000	25.602
Butyl benzyl phthalate	0.000	0.000	0.000	0.000	12.414	0.000	0.000	0.000	0.000	12.414
n-Butyl alcohol	0.000	0.000	0.000	9.620	0.006	1.375	0.006	0.000	0.000	11.007
Phenol (and its salts)	0.000	0.000	0.000	0.000	4.810	0.000	0.000	0.000	0.000	4.810
1,2,4-Trimethylbenzene	0.000	0.000	0.000	2.982	0.000	1.379	0.000	0.000	0.000	4.361
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	3.700	0.000	0.000	0.000	0.000	3.700
Sulphuric acid	0.000	3.054	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.054
i-Butyl alcohol	0.000	0.000	0.000	1.410	0.006	0.000	0.000	0.000	0.000	1.416

32 - Transportation equipment industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	0.810	0.000	0.000	0.000	0.000	0.000	0.810
Toluene-2,4-diisocyanate	0.000	0.300	0.000	0.000	0.300	0.000	0.000	0.000	0.000	0.600
Methyl *tert*-butyl ether	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.050
2-Ethoxyethanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-Ethoxyethyl acetate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dichloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Formaldehyde	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**602.971**	**1,392.905**	**0.900**	**2,789.439**	**2,870.024**	**530.554**	**388.897**	**3.400**	**0.000**	**8,579.090**

33 - Electrical and electronic products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Copper (and its compounds)	103.247	284.020	0.000	17.710	1,534.573	0.010	34.572	0.000	0.000	1,974.132
Ammonia (total) [4]	0.000	1,670.284	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1,670.284
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	664.884	0.000	478.489	0.000	0.000	1,143.373
Lead (and its compounds)	0.000	0.000	0.000	2.739	893.291	0.000	3.482	0.000	0.000	899.512
Manganese (and its compounds)	0.000	454.624	0.000	0.000	23.168	0.000	0.000	0.000	0.000	477.792
Zinc (and its compounds)	0.000	242.128	0.000	0.000	201.738	0.000	0.004	0.000	0.000	443.870
Trichloroethylene	0.000	132.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	132.000
Sulphuric acid	0.000	52.044	0.000	0.000	0.000	0.000	13.500	0.000	0.000	65.544
Xylene (mixed isomers)	0.000	0.000	0.000	28.740	0.000	0.000	0.000	0.000	0.000	28.740
Isopropyl alcohol	0.000	0.000	0.000	27.200	0.000	0.000	0.000	0.000	0.000	27.200
Nickel (and its compounds)	0.000	0.000	0.000	0.000	12.406	0.000	0.002	0.000	0.000	12.408
Tetrachloroethylene	0.000	0.000	0.000	6.600	0.000	0.000	0.000	0.000	0.000	6.600
Toluene	0.000	0.000	0.000	5.000	0.312	0.000	0.000	0.000	0.000	5.312
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	4.750	0.000	0.000	4.750
Chromium (and its compounds)	0.000	0.000	0.000	0.000	2.020	0.000	0.000	0.000	0.000	2.020

33 - Electrical and electronic products industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	2.000	0.000	0.000	0.000	0.000	2.000
Vinyl chloride	0.000	0.000	0.000	0.000	1.600	0.000	0.000	0.000	0.000	1.600
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	1.000
m-Xylene	0.000	0.000	0.000	0.350	0.000	0.000	0.000	0.000	0.000	0.350
Methanol	0.000	0.000	0.000	0.160	0.000	0.000	0.000	0.000	0.000	0.160
2-Ethoxyethyl acetate	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.050
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.030
1,2,4-Trimethylbenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cresol (mixed isomers and their salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cumene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Formaldehyde	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrogen fluoride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phenol (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluenediisocyanate (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vinyl acetate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**103.247**	**2,835.100**	**0.000**	**88.549**	**3,336.022**	**0.010**	**535.799**	**0.000**	**0.000**	**6,898.727**

35 - Non-metallic mineral products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Chromium (and its compounds)	46.544	1,085.148	0.000	0.000	875.364	0.000	0.680	0.000	0.000	2,007.736
Zinc (and its compounds)	0.000	0.000	0.000	3.114	510.707	0.000	0.000	0.000	0.000	513.821
Toluene	0.000	0.000	0.000	124.140	0.000	0.000	0.000	0.000	0.000	124.140
Asbestos (friable form)	0.000	0.000	0.000	0.000	80.800	0.000	0.000	0.000	0.000	80.800
Isopropyl alcohol	0.000	0.000	0.000	11.841	0.255	0.000	24.998	0.000	0.000	37.094
Phenol (and its salts)	0.000	28.856	0.000	0.000	0.102	0.000	0.180	0.000	0.000	29.138
Ammonia (total) [4]	0.000	0.000	0.000	0.036	4.794	0.000	20.980	0.000	0.000	25.810
Lead (and its compounds)	0.000	0.000	0.000	0.000	19.950	0.000	0.000	0.000	0.000	19.950
Formaldehyde	0.000	0.000	0.000	3.101	4.691	0.000	8.339	0.000	0.000	16.130

35 - Non-metallic mineral products industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Acetone	0.000	0.000	0.000	12.576	0.000	0.000	0.000	0.000	0.000	12.576
Methyl ethyl ketone	0.000	0.000	0.000	6.399	0.000	0.000	0.000	0.000	0.000	6.399
Cyclohexane	0.000	0.000	0.000	1.158	0.000	0.000	0.000	0.000	0.000	1.158
1,2,4-Trimethylbenzene	0.000	0.000	0.000	1.020	0.000	0.000	0.000	0.000	0.000	1.020
Xylene (mixed isomers)	0.000	0.000	0.000	0.663	0.000	0.000	0.000	0.000	0.000	0.663
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.320	0.000	0.000	0.000	0.000	0.320
n-Butyl alcohol	0.000	0.000	0.000	0.249	0.000	0.000	0.000	0.000	0.000	0.249
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.096
Ethylene glycol	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.002
1,2-Dichloroethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dichloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrogen fluoride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tetrachloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**46.544**	**1,114.004**	**0.000**	**164.297**	**1,497.081**	**0.000**	**55.176**	**0.000**	**0.000**	**2,877.102**

36 - Refined petroleum and coal products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Asbestos (friable form)	0.000	0.000	0.000	0.000	1,139.450	0.000	0.000	0.000	0.000	1,139.450
Phosphoric acid	0.000	0.000	0.000	0.000	268.500	0.000	0.000	0.000	0.000	268.500
Methanol	0.854	0.000	0.000	3.416	0.000	0.000	88.000	0.000	0.000	92.270
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	86.300	0.000	0.000	86.300
Phenol (and its salts)	0.000	0.000	0.000	14.500	0.000	0.000	0.332	0.000	0.000	14.832
Xylene (mixed isomers)	0.050	0.000	0.000	10.014	1.152	0.000	0.000	0.000	0.000	11.216
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	1.071	0.000	8.132	0.000	0.000	9.203
Toluene	0.000	0.000	0.000	4.273	1.059	0.000	0.000	0.000	0.000	5.332
Ethylene glycol	3.005	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	3.010
Benzene	0.000	0.000	0.000	2.588	0.156	0.000	0.000	0.000	0.000	2.744
Naphthalene	0.000	0.000	0.000	2.327	0.389	0.000	0.000	0.000	0.000	2.716
Isopropyl alcohol	0.394	0.000	0.000	1.574	0.000	0.000	0.000	0.000	0.000	1.968

36 - Refined petroleum and coal products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.018	0.000	0.996	0.000	0.000	1.014
Ethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.728	0.000	0.000	0.728
Methyl ethyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.216	0.000	0.000	0.216
Ethylbenzene	0.000	0.000	0.000	0.050	0.154	0.000	0.000	0.000	0.000	0.204
1,2,4-Trimethylbenzene	0.000	0.000	0.000	0.050	0.112	0.000	0.000	0.000	0.000	0.162
Cyclohexane	0.000	0.000	0.000	0.000	0.118	0.000	0.000	0.000	0.000	0.118
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.054	0.000	0.000	0.000	0.000	0.054
Cobalt (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.000	0.000	0.028
Cumene	0.000	0.000	0.000	0.000	0.025	0.000	0.000	0.000	0.000	0.025
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.002
1,3-Butadiene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acetone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anthracene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arsenic (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biphenyl	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Butyl benzyl phthalate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Carbon tetrachloride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dichloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Diethanolamine (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrogen fluoride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
m-Xylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mercury (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl isobutyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl *tert*-butyl ether	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Molybdenum trioxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
o-Dichlorobenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
o-Xylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
p-Xylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

36 - Refined petroleum and coal products industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Propylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Styrene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tetrachloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Trichloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vinyl chloride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**4.303**	**0.000**	**0.000**	**38.799**	**1,412.258**	**0.000**	**184.733**	**0.000**	**0.000**	**1,640.092**

37 - Chemical and chemical products industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Sulphuric acid	0.000	323.304	0.000	0.000	21.624	0.000	0.000	78,300.000	0.000	78,644.928
Asbestos (friable form)	0.000	0.000	0.000	0.000	70,657.332	0.000	0.000	0.000	0.000	70,657.332
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	50,401.020	0.000	0.000	50,401.020
Xylene (mixed isomers)	6.000	9.460	0.000	9,023.262	1.835	0.000	0.060	0.000	0.000	9,040.617
Isopropyl alcohol	0.400	0.000	0.000	3,333.432	0.480	1,710.000	921.386	0.780	0.000	5,966.478
Acetone	30.720	0.000	0.000	2,159.974	2,353.660	0.000	626.800	0.000	0.000	5,171.154
Toluene	10.000	95.074	45.099	4,926.188	0.214	0.000	17.967	0.006	0.000	5,094.548
Manganese (and its compounds)	1.436	0.000	0.000	0.000	4,409.160	0.000	0.015	0.000	0.000	4,410.610
Ammonia (total) [4]	0.000	39.938	2,297.322	542.786	0.000	0.000	849.425	0.000	0.000	3,729.471
Methanol	3.000	8.876	0.000	2,268.013	135.440	0.000	1,075.524	38.440	0.000	3,529.293
Ethylene glycol	14.930	30.000	0.000	1,446.516	18.470	0.000	210.498	920.470	0.000	2,640.884
1,2,4-Trimethylbenzene	0.000	0.000	0.000	2,579.626	51.840	0.000	0.810	0.000	0.000	2,632.276
Lead (and its compounds)	4.534	11.153	0.000	3.463	2,509.126	0.000	0.046	0.000	0.000	2,528.322
Nitric acid	0.000	124.808	0.000	41.040	0.000	0.000	0.000	2,358.000	0.000	2,523.848
Chromium (and its compounds)	76.800	127.273	0.000	2.200	1,821.841	0.000	0.150	0.000	0.000	2,028.264
Methyl ethyl ketone	5.000	1.700	0.000	1,917.384	0.648	0.000	0.000	0.000	0.000	1,924.732
Hydrochloric acid	0.000	655.112	98.500	909.000	55.392	0.000	39.900	0.000	0.000	1,757.904
Styrene	0.000	54.400	9.000	1,599.656	5.648	0.000	0.105	3.804	0.000	1,672.613
Phenol (and its salts)	0.000	147.562	409.149	393.110	9.195	0.000	567.820	0.000	0.000	1,526.836
Benzene	0.000	0.000	36.000	1,460.870	0.018	0.000	0.040	0.120	0.000	1,497.048
Cyclohexane	0.000	0.000	0.000	1,278.000	2.400	0.000	0.000	0.000	0.000	1,280.400
1,3-Butadiene	0.000	0.000	0.000	1,273.002	0.000	0.000	0.000	0.006	0.000	1,273.008
Vinyl acetate	0.000	26.400	0.000	1,182.840	0.090	0.000	1.800	0.000	0.000	1,211.130

37 - Chemical and chemical products industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Formaldehyde	0.000	16.302	0.000	288.918	123.924	0.000	8.446	0.000	0.000	437.590
Methyl methacrylate	0.000	0.000	0.000	401.274	1.688	0.000	0.045	0.000	0.000	403.007
Dichloromethane	0.000	0.000	0.000	384.926	0.000	0.000	0.000	0.000	0.000	384.926
Phosphoric acid	0.000	107.800	0.000	19.950	223.532	0.000	14.831	0.000	0.000	366.114
Nickel (and its compounds)	0.000	7.574	0.000	0.000	253.760	0.000	4.906	0.000	0.000	266.240
Tetrachloroethylene	0.000	0.000	0.000	261.270	0.000	0.000	0.024	0.000	0.000	261.294
n-Butyl alcohol	1.000	0.072	68.080	95.957	60.280	0.000	24.288	0.000	0.000	249.677
Carbon tetrachloride	0.000	0.000	0.000	238.800	0.000	0.000	0.000	0.000	0.000	238.800
Carbon disulphide	0.000	0.000	0.000	195.600	0.000	0.000	0.000	0.000	0.000	195.600
Ethylbenzene	0.000	0.000	43.200	135.410	0.000	0.000	0.160	2.160	0.000	180.930
Methyl isobutyl ketone	5.000	1.736	0.000	165.315	0.000	0.000	0.000	0.000	0.000	172.051
Mercury (and its compounds)	0.000	148.144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	148.144
Copper (and its compounds)	0.589	33.069	0.000	24.814	58.372	0.000	0.681	0.000	0.000	117.525
Zinc (and its compounds)	3.958	22.292	0.000	22.261	47.739	0.000	2.029	0.060	0.000	98.339
Methyl *tert*-butyl ether	0.000	0.000	0.000	68.640	0.000	0.000	0.000	0.000	0.000	68.640
Cresol (mixed isomers and their salts)	1.000	0.000	0.000	56.040	0.000	0.000	1.000	0.000	0.000	58.040
Phthalic anhydride	0.000	0.000	0.000	21.473	26.087	0.000	0.000	0.000	0.000	47.560
Trichloroethylene	0.000	0.000	0.000	45.000	0.000	0.000	0.012	0.000	0.000	45.012
Diethanolamine (and its salts)	0.000	0.000	0.000	44.290	0.000	0.220	0.000	0.000	0.000	44.510
Molybdenum trioxide	0.000	0.000	0.000	0.000	8.960	0.000	33.920	0.000	0.000	42.880
Aniline (and its salts)	0.000	0.000	35.400	0.000	0.000	0.000	0.000	0.000	0.000	35.400
Naphthalene	2.000	0.000	0.000	3.087	28.800	0.000	0.115	0.006	0.000	34.008
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	13.920	14.000	0.000	0.000	0.000	0.000	27.920
Cobalt (and its compounds)	8.856	0.000	0.000	0.000	18.600	0.000	0.089	0.000	0.000	27.545
Antimony (and its compounds)	0.000	0.000	0.000	0.000	23.692	0.000	0.000	0.000	0.000	23.692
Methyl acrylate	0.000	0.000	0.000	15.925	1.575	0.000	0.000	0.000	0.000	17.500
Nitrilotriacetic acid (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	16.244	0.000	0.000	16.244
i-Butyl alcohol	0.000	0.000	0.000	15.638	0.000	0.000	0.000	0.480	0.000	16.118
m-Xylene	0.000	0.000	0.000	0.000	0.000	0.000	14.240	0.000	0.000	14.240
Toluenediisocyanate (mixed isomers)	0.000	0.000	0.000	5.749	5.400	0.000	0.000	0.000	0.000	11.149
Methylene*bis*(phenylisocyanate)	0.000	0.176	0.000	10.380	0.000	0.000	0.000	0.000	0.000	10.556
Ethylene	0.000	9.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.600
p-Dichlorobenzene	0.000	0.000	0.000	0.000	9.600	0.000	0.000	0.000	0.000	9.600
o-Xylene	0.000	0.000	0.000	0.000	0.000	0.000	5.560	0.000	0.000	5.560

37 - Chemical and chemical products industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
p-Xylene	0.000	0.000	0.000	0.000	0.000	0.000	5.460	0.000	0.000	5.460
2-Methoxyethanol	0.000	0.000	0.000	3.000	0.000	0.000	0.000	0.000	0.000	3.000
Biphenyl	0.000	0.000	0.000	2.608	0.240	0.000	0.000	0.000	0.000	2.848
2-Ethoxyethanol	0.000	0.000	0.000	2.500	0.000	0.000	0.000	0.000	0.000	2.500
Hydrogen fluoride	0.000	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.400
Acrylamide	0.000	0.000	0.000	0.000	1.302	0.000	1.066	0.000	0.000	2.368
Butyl acrylate	0.000	0.000	0.000	2.166	0.000	0.000	0.090	0.000	0.000	2.256
Anthracene	2.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.000
Cadmium (and its compounds)	0.693	0.000	0.000	0.000	0.900	0.000	0.007	0.000	0.000	1.600
Chloroform	0.000	0.000	0.000	1.458	0.000	0.000	0.000	0.000	0.000	1.458
Cumene	0.000	0.000	0.000	1.456	0.000	0.000	0.000	0.000	0.000	1.456
Cyanides (ionic)	0.000	1.440	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.440
Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	0.419	1.000	0.000	0.000	0.000	0.000	1.419
Dibutyl phthalate	0.200	0.017	0.000	0.441	0.446	0.000	0.000	0.000	0.000	1.104
Bis(2-ethylhexyl) adipate	0.000	0.000	0.000	0.000	1.020	0.000	0.000	0.000	0.000	1.020
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	1.000
Butyl benzyl phthalate	0.100	0.000	0.000	0.000	0.000	0.000	0.520	0.000	0.000	0.620
Acrylic acid (and its salts)	0.000	0.000	0.000	0.006	0.511	0.000	0.097	0.000	0.000	0.614
4,6-Dinitro-*o*-cresol (and its salts)	0.000	0.000	0.576	0.000	0.000	0.000	0.000	0.000	0.000	0.576
Maleic anhydride	0.000	0.000	0.000	0.000	0.450	0.000	0.000	0.000	0.000	0.450
p,p'-Isopropylidenediphenol	0.000	0.000	0.000	0.000	0.450	0.000	0.000	0.000	0.000	0.450
1,2-Dichloroethane	0.000	0.000	0.000	0.408	0.000	0.000	0.000	0.000	0.000	0.408
Vinyl chloride	0.000	0.000	0.000	0.128	0.258	0.000	0.000	0.000	0.000	0.386
Acetaldehyde	0.000	0.000	0.000	0.000	0.054	0.000	0.000	0.000	0.000	0.054
Titanium tetrachloride	0.000	0.000	0.000	0.042	0.000	0.000	0.000	0.000	0.000	0.042
tert-Butyl alcohol	0.000	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.018
2-Ethoxyethyl acetate	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.006
1,1,2-Trichloroethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1,4-Dioxane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2,4-Dinitrotoluene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acetonitrile	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acrylonitrile	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Benzoyl peroxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Benzyl chloride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

37 - Chemical and chemical products industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine dioxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chloroacetic acid (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorobenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chloroethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cumene hydroperoxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Decabromodiphenyl oxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Di-*n*-octyl phthalate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dimethyl sulphate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Epichlorohydrin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethyl acrylate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene oxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydroquinone (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitroglycerin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
o-Cresol (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
o-Dichlorobenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
o-Phenylphenol (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
p,p'-Methylene*bis*(2-chloroaniline)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosgene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Propylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Propylene oxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
sec-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**178.216**	**2,005.683**	**3,042.325**	**38,889.638**	**82,968.070**	**1,710.220**	**54,847.196**	**81,624.332**	**0.000**	**265,265.680**

39 - Other manufacturing industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	1,247.475	0.000	0.000	1,247.475
Ethylene glycol	0.000	255.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	255.000
Butyl benzyl phthalate	0.000	0.000	0.000	110.502	0.000	0.000	0.000	0.000	0.000	110.502
Methanol	0.000	3.000	0.000	92.100	0.000	0.000	0.000	0.000	0.000	95.100

39 - Other manufacturing industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Chromium (and its compounds)	88.950	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	88.950
Copper (and its compounds)	0.000	0.792	0.000	0.000	64.486	0.000	0.148	0.000	0.000	65.426
Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	50.562	0.000	0.000	0.000	0.000	0.000	50.562
Lead (and its compounds)	33.000	0.300	0.000	0.000	0.000	0.000	0.102	0.000	0.000	33.402
Zinc (and its compounds)	0.000	1.500	0.000	0.000	10.932	0.000	0.064	0.000	0.000	12.496
Sulphuric acid	0.000	2.041	0.000	5.249	0.000	0.000	0.000	0.000	0.000	7.290
Methyl ethyl ketone	0.000	0.000	0.000	5.100	0.000	0.000	0.000	0.000	0.000	5.100
Silver (and its compounds)	0.000	0.000	0.000	0.000	0.024	0.000	0.429	0.000	0.000	0.453
1,2,4-Trimethylbenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acetone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum oxide (fibrous forms)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cumene hydroperoxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dichloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene oxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl isobutyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl *tert*-butyl ether	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Naphthalene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
p-Dichlorobenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
p-Xylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Propylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Styrene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluenediisocyanate (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

39 - Other manufacturing industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Trichloroethylene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**121.950**	**262.634**	**0.000**	**263.513**	**75.442**	**0.000**	**1,248.218**	**0.000**	**0.000**	**1,971.756**

41 - Industrial and heavy (engineering) construction industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	37,989.000	0.000	0.000	0.000	0.000	37,989.000
Asbestos (friable form)	0.000	0.000	0.000	0.000	1,915.880	0.000	0.000	0.000	0.000	1,915.880
Copper (and its compounds)	0.000	0.000	0.000	0.000	12.123	1.885	0.000	0.000	0.000	14.008
Xylene (mixed isomers)	0.000	0.000	0.000	9.000	0.000	0.000	0.000	0.000	0.000	9.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine dioxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylene glycol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrazine (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrogen fluoride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nickel (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**9.000**	**39,917.003**	**1.885**	**0.500**	**0.000**	**0.000**	**39,928.388**

42 - Trade contracting industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Xylene (mixed isomers)	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500
Total	**0.000**	**0.000**	**0.000**	**0.500**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.500**

44 - Service industries incidental to construction

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Sulphuric acid	0.000	154.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	154.100
Hydrochloric acid	0.000	110.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	110.000
Zinc (and its compounds)	0.000	17.982	0.000	0.000	30.618	0.000	0.000	0.000	0.000	48.600
Methanol	11.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.000
Ethylene glycol	8.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.200
Total	**19.200**	**282.082**	**0.000**	**0.000**	**30.618**	**0.000**	**0.000**	**0.000**	**0.000**	**331.900**

45 - Transportation industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Ethylene glycol	6,277.374	0.000	7,249.002	0.000	0.000	0.000	3,715.270	0.000	0.000	17,241.646
Methanol	0.000	0.000	0.000	0.320	0.000	0.000	0.000	0.000	0.000	0.320
Antimony (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arsenic (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**6,277.374**	**0.000**	**7,249.002**	**0.320**	**0.000**	**0.000**	**3,715.270**	**0.000**	**0.000**	**17,241.966**

46 - Pipeline transport industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Xylene (mixed isomers)	0.000	0.000	0.000	70.000	0.000	0.000	0.000	0.000	0.000	70.000
Methylene*bis*(phenylisocyanate)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**70.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**70.000**

47 - Storage and warehousing industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Sulphuric acid	0.000	140.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	140.800
Acetone	0.000	0.000	0.000	95.200	0.000	0.000	0.000	0.000	0.000	95.200
Xylene (mixed isomers)	0.000	0.000	0.000	64.800	0.000	0.000	0.000	0.000	0.000	64.800
Toluene	0.000	0.000	0.000	58.800	0.000	0.000	0.000	0.000	0.000	58.800
Methanol	0.000	0.000	0.000	30.800	0.000	0.000	1.000	0.000	0.000	31.800

47 - Storage and warehousing industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Ethylene glycol	0.000	0.000	0.000	22.812	0.000	0.000	0.000	0.000	0.000	22.812
Vinyl acetate	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	1.000
Total	**0.000**	**140.800**	**0.000**	**272.412**	**0.000**	**0.000**	**2.000**	**0.000**	**0.000**	**415.212**

49 - Other utility industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Manganese (and its compounds)	0.000	0.000	0.000	0.000	892.220	0.000	0.000	0.000	0.000	892.220
Asbestos (friable form)	0.000	0.000	0.000	0.000	607.500	0.000	0.000	0.000	0.000	607.500
Zinc (and its compounds)	0.000	0.000	0.000	0.000	282.800	0.000	0.000	0.000	0.000	282.800
Nickel (and its compounds)	0.000	0.000	0.000	0.000	263.360	0.000	0.000	0.000	0.000	263.360
Copper (and its compounds)	0.000	0.000	0.000	0.000	72.600	0.000	0.000	0.000	0.000	72.600
Ethylene glycol	66.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	66.048
Chromium (and its compounds)	0.000	0.000	0.000	0.000	28.800	0.000	0.000	0.000	0.000	28.800
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.000	0.000	0.170
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine dioxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrazine (and its salts)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mercury (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vanadium (fume or dust)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**66.048**	**0.000**	**0.000**	**0.000**	**2,147.280**	**0.000**	**0.170**	**0.000**	**0.000**	**2,213.498**

55 - Motor vehicle, parts and accessories industries, wholesale

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Diethanolamine (and its salts)	0.000	0.000	0.000	0.000	22.800	0.000	50.400	0.000	0.000	73.200
Ethylene glycol	0.000	0.000	0.000	0.000	16.560	0.000	0.000	0.000	0.000	16.560
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	10.530	0.000	0.000	0.000	0.000	10.530
Ethylbenzene	4.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.020
Methyl ethyl ketone	1.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.500
Chromium (and its compounds)	0.000	0.000	0.000	0.000	1.485	0.000	0.000	0.000	0.000	1.485
Toluene	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.600
1,4-Dioxane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acetone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Carbon tetrachloride	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Formaldehyde	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
i-Butyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl isobutyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**6.120**	**0.000**	**0.000**	**0.000**	**51.375**	**0.000**	**50.400**	**0.000**	**0.000**	**107.895**

56 - Metals, hardware, plumbing, heating and building materials industries, wholesale

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Copper (and its compounds)	0.000	0.000	0.000	0.000	0.300	0.000	0.000	0.000	0.000	0.300
Arsenic (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chromium (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Lead (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manganese (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphorus (yellow or white)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc (and its compounds)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.300**	**0.000**	**0.000**	**0.000**	**0.000**	**0.300**

59 - Other products and industries, wholesale

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Zinc (and its compounds)	0.000	0.000	0.000	0.000	1,894.860	0.000	0.000	0.000	0.000	1,894.860
Lead (and its compounds)	0.000	0.000	0.000	0.000	595.984	0.000	0.000	0.000	0.000	595.984
Copper (and its compounds)	0.000	0.000	0.000	0.000	284.736	0.000	0.000	0.000	0.000	284.736
Methanol	0.000	0.000	0.000	196.528	0.000	0.000	0.000	0.000	0.000	196.528
Xylene (mixed isomers)	0.000	0.000	0.000	180.114	0.000	0.000	0.000	0.000	0.000	180.114
Toluene	0.000	0.000	0.000	174.892	0.000	0.000	0.000	0.000	0.000	174.892
Acetone	0.000	0.000	0.000	114.440	0.000	0.000	0.000	0.000	0.000	114.440
Isopropyl alcohol	0.000	0.000	0.000	113.636	0.000	0.000	0.000	0.000	0.000	113.636
Methyl ethyl ketone	0.000	0.000	0.000	101.062	0.000	0.000	0.000	0.000	0.000	101.062
Aluminum (fume or dust)	0.000	0.000	0.000	0.000	80.000	0.000	0.000	0.000	0.000	80.000
n-Butyl alcohol	0.000	0.000	0.000	32.936	0.000	0.000	0.000	0.000	0.000	32.936
Methyl isobutyl ketone	0.000	0.000	0.000	24.774	0.000	0.000	0.000	0.000	0.000	24.774
Ethylene glycol	0.000	0.000	0.000	19.664	0.000	0.000	0.000	0.000	0.000	19.664
Dichloromethane	0.000	0.000	0.000	10.912	0.000	0.000	0.000	0.000	0.000	10.912
Di-*n*-octyl phthalate	0.000	0.000	0.000	6.788	0.000	0.000	0.000	0.000	0.000	6.788
i-Butyl alcohol	0.000	0.000	0.000	5.884	0.000	0.000	0.000	0.000	0.000	5.884
Tetrachloroethylene	0.000	0.000	0.000	4.430	0.000	0.000	0.000	0.000	0.000	4.430
Dibutyl phthalate	0.000	0.000	0.000	3.036	0.000	0.000	0.000	0.000	0.000	3.036
Formaldehyde	0.000	0.000	0.000	2.476	0.000	0.000	0.480	0.000	0.000	2.956
Diethanolamine (and its salts)	0.000	0.000	0.000	2.816	0.000	0.000	0.000	0.000	0.000	2.816
Trichloroethylene	0.000	0.000	0.000	2.632	0.000	0.000	0.000	0.000	0.000	2.632
Styrene	0.000	0.000	0.000	2.092	0.000	0.000	0.000	0.000	0.000	2.092
2-Ethoxyethanol	0.000	0.000	0.000	1.376	0.000	0.000	0.000	0.000	0.000	1.376
2-Ethoxyethyl acetate	0.000	0.000	0.000	0.928	0.000	0.000	0.000	0.000	0.000	0.928
Cyclohexane	0.000	0.000	0.000	0.424	0.000	0.000	0.000	0.000	0.000	0.424
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Bis(2-ethylhexyl) adipate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Bis(2-ethylhexyl) phthalate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Butyl benzyl phthalate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chloromethane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl methacrylate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl *tert*-butyl ether	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

59 - Other products and industries, wholesale – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Nitric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Phosphoric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**1,001.840**	**2,855.580**	**0.000**	**0.480**	**0.000**	**0.000**	**3,857.900**

83 - Local government service industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Zinc (and its compounds)	0.000	46.400	0.000	0.000	113.600	0.000	0.000	0.000	0.000	160.000
Copper (and its compounds)	0.000	0.840	0.000	0.000	41.160	0.000	0.000	0.000	0.000	42.000
Lead (and its compounds)	0.000	13.260	0.000	0.000	25.740	0.000	0.000	0.000	0.000	39.000
Manganese (and its compounds)	0.000	0.750	0.000	0.000	24.250	0.000	0.000	0.000	0.000	25.000
Ammonia (total) [4]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hydrochloric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nitrate ion in solution (pH ≥ 6.5)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**61.250**	**0.000**	**0.000**	**204.750**	**0.000**	**0.000**	**0.000**	**0.000**	**266.000**

99 - Other service industries

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Nickel (and its compounds)	0.000	306.640	0.000	0.000	0.000	0.000	0.000	0.000	0.000	306.640
Hydrochloric acid	0.000	165.696	0.000	0.000	0.000	0.000	0.000	0.000	0.000	165.696
Nitric acid	0.000	92.736	0.000	0.000	0.000	0.000	0.000	0.000	0.000	92.736
Acetone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Benzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chlorine dioxide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ethylbenzene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Isopropyl alcohol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methanol	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Methyl ethyl ketone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

99 - Other service industries – *continued*

Pollutant	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[3]	Under-ground	Land application	Total transfers
Styrene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulphuric acid	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Toluene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Xylene (mixed isomers)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	**0.000**	**565.072**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**565.072**

Appendix 10 – Sectorial off-site transfers in waste of toxic[1] and carcinogenic[2] pollutants (tonnes)

Arsenic (and its compounds)

SIC code[3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
29	Primary metal industries	0.000	0.000	0.000	0.000	9.930	0.000	0.093	0.000	0.000	10.023
25	Wood industries	4.483	0.095	0.000	0.000	1.707	0.000	0.000	0.000	0.000	6.285
	Total	**4.483**	**0.095**	**0.000**	**0.000**	**11.637**	**0.000**	**0.093**	**0.000**	**0.000**	**16.308**

Asbestos (friable form)

SIC code[3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
37	Chemical and chemical products industries	0.000	0.000	0.000	0.000	2,604.058	0.000	0.000	0.000	0.000	2,604.058
41	Industrial and heavy (engineering) construction industries	0.000	0.000	0.000	0.000	631.210	0.000	0.000	0.000	0.000	631.210
36	Refined petroleum and coal products industries	0.000	0.000	0.000	0.000	269.850	0.000	0.000	0.000	0.000	269.850
29	Primary metal industries	0.000	0.000	0.000	0.000	163.000	0.000	0.000	0.000	0.000	163.000
49	Other utility industries	0.000	0.000	0.000	0.000	151.250	0.000	0.000	0.000	0.000	151.250
07	Crude petroleum and natural gas industries	0.000	0.000	0.000	0.000	122.725	0.000	0.000	0.000	0.000	122.725
32	Transportation equipment industries	0.000	0.000	0.000	0.000	105.840	0.000	0.000	0.000	0.000	105.840
27	Paper and allied products industries	0.000	0.000	0.000	0.000	99.160	0.000	0.000	0.000	0.000	99.160
35	Non-metallic mineral products industries	0.000	0.000	0.000	0.000	10.100	0.000	0.000	0.000	0.000	10.100
16	Plastic products industries	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.040
	Total	**0.000**	**0.000**	**0.000**	**0.000**	**4,157.233**	**0.000**	**0.000**	**0.000**	**0.000**	**4,157.233**

Benzene

SIC code[3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
37	Chemical and chemical products industries	0.000	0.000	2.000	126.414	0.001	0.000	0.002	0.010	0.000	128.427
07	Crude petroleum and natural gas industries	0.000	0.000	0.000	0.164	1.000	0.000	0.000	30.277	0.000	31.441
36	Refined petroleum and coal products industries	0.000	0.000	0.000	0.723	0.121	0.000	0.000	0.000	0.000	0.844
	Total	**0.000**	**0.000**	**2.000**	**127.300**	**1.122**	**0.000**	**0.002**	**30.287**	**0.000**	**160.712**

(1) Toxic = Regulated Schedule 1 substances under the *CEPA* and *CEPA*-toxic pollutants.
(2) Carcinogenic = Chemical '1' (carcinogenic to humans) and '2A' (*probably* carcinogenic to humans) as determined by the International Agency Research on Cancer (IARC).
(3) SIC code = Standard Industrial Classification code, established by Statistics Canada. The codes are those provided by the facilities.
(4) Municipal sewage treatment plant.

Bis(2-ethylhexyl) phthalate

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
15	Rubber products industries	0.000	0.000	0.000	0.000	22.634	0.000	0.000	0.000	0.000	22.634
16	Plastic products industries	0.000	0.200	0.000	0.000	11.499	0.000	0.000	0.000	0.000	11.699
39	Other manufacturing industries	0.000	0.000	0.000	5.618	0.000	0.000	0.000	0.000	0.000	5.618
30	Fabricated metal products industries (except machinery and transport. equipment)	1.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.080
32	Transportation equipment industries	0.000	0.000	0.000	0.270	0.000	0.000	0.000	0.000	0.000	0.270
37	Chemical and chemical products industries	0.000	0.000	0.000	0.149	0.100	0.000	0.000	0.000	0.000	0.249
	Total	**1.080**	**0.200**	**0.000**	**6.037**	**34.233**	**0.000**	**0.000**	**0.000**	**0.000**	**41.550**

Cadmium (and its compounds)

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
29	Primary metal industries	0.000	0.000	0.000	0.000	14.021	0.000	0.007	0.000	0.000	14.028
37	Chemical and chemical products industries	0.139	0.000	0.000	0.000	0.050	0.000	0.001	0.000	0.000	0.190
16	Plastic products industries	0.000	0.000	0.000	0.000	0.138	0.000	0.000	0.000	0.000	0.138
	Total	**0.139**	**0.000**	**0.000**	**0.000**	**14.209**	**0.000**	**0.008**	**0.000**	**0.000**	**14.356**

Carbon tetrachloride

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
37	Chemical and chemical products industries	0.000	0.000	0.000	13.090	0.000	0.000	0.000	0.000	0.000	13.090
	Total	**0.000**	**0.000**	**0.000**	**13.090**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**13.090**

Chromium (and its compounds)

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
29	Primary metal industries	0.000	173.979	0.000	0.000	1,680.764	0.000	0.337	0.000	0.000	1,855.080
30	Fabricated metal products industries (except machinery and transport. equipment)	33.010	79.723	0.000	0.000	113.538	3.500	1.046	0.000	0.000	230.817
35	Non-metallic mineral products industries	10.968	72.393	0.000	0.000	103.627	0.000	0.043	0.000	0.000	187.031
37	Chemical and chemical products industries	2.400	5.303	0.000	2.200	150.577	0.000	0.015	0.000	0.000	160.495
32	Transportation equipment industries	1.000	87.569	0.000	0.430	14.643	19.914	2.438	0.000	0.000	125.994
49	Other utility industries	0.000	0.000	0.000	0.000	9.600	0.000	0.000	0.000	0.000	9.600
25	Wood industries	5.813	0.187	0.000	0.000	1.541	0.000	0.000	0.000	0.000	7.541

Chromium (and its compounds) – *continued*

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
39	Other manufacturing industries	5.930	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.930
17	Leather and allied products industries	0.000	0.000	0.000	0.000	0.000	0.000	3.630	0.000	0.000	3.630
31	Machinery industries (except electrical machinery)	0.000	0.170	0.000	0.000	1.757	0.000	0.000	0.000	0.000	1.927
33	Electrical and electronic products industries	0.000	0.000	0.000	0.000	0.505	0.000	0.000	0.000	0.000	0.505
16	Plastic products industries	0.000	0.000	0.000	0.000	0.422	0.000	0.000	0.000	0.000	0.422
15	Rubber products industries	0.000	0.000	0.000	0.000	0.210	0.000	0.000	0.000	0.000	0.210
55	Motor vehicle, parts and accessories industries, wholesale	0.000	0.000	0.000	0.000	0.165	0.000	0.000	0.000	0.000	0.165
	Total	**59.121**	**419.324**	**0.000**	**2.630**	**2,077.349**	**23.414**	**7.509**	**0.000**	**0.000**	**2,589.347**

1,2-Dichloroethane

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
37	Chemical and chemical products industries	0.000	0.000	0.000	0.051	0.000	0.000	0.000	0.000	0.000	0.051
	Total	**0.000**	**0.000**	**0.000**	**0.051**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.051**

Dichloromethane

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
37	Chemical and chemical products industries	0.000	0.000	0.000	41.441	0.000	0.000	0.000	0.000	0.000	41.441
16	Plastic products industries	0.000	25.600	0.000	0.300	0.000	0.000	0.000	0.000	0.000	25.900
59	Other products and industries, wholesale	0.000	0.000	0.000	1.702	0.000	0.000	0.000	0.000	0.000	1.702
	Total	**0.000**	**25.600**	**0.000**	**43.443**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**69.043**

Formaldehyde

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
27	Paper and allied products industries	0.000	0.000	61.340	0.000	4.578	0.000	5.286	0.000	0.000	71.204
37	Chemical and chemical products industries	0.000	2.717	0.000	44.954	6.528	0.000	1.408	0.000	0.000	55.607
25	Wood industries	0.000	0.000	0.000	39.100	0.500	0.000	0.000	0.000	0.000	39.600
16	Plastic products industries	0.000	0.000	0.200	5.500	10.803	0.000	0.000	0.000	0.000	16.503
35	Non-metallic mineral products industries	0.000	0.000	0.000	0.995	1.305	0.000	2.946	0.000	0.000	5.246
59	Other products and industries, wholesale	0.000	0.000	0.000	0.516	0.000	0.000	0.060	0.000	0.000	0.576
	Total	**0.000**	**2.717**	**61.540**	**91.065**	**23.714**	**0.000**	**9.700**	**0.000**	**0.000**	**188.736**

Lead (and its compounds)

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
29	Primary metal industries	0.003	460.876	0.000	0.000	1,085.658	0.000	0.164	0.000	0.000	1,546.701
37	Chemical and chemical products industries	0.907	5.577	0.000	3.406	158.251	0.000	0.009	0.000	0.000	168.150
30	Fabricated metal products industries (except machinery and transport. equipment)	0.000	18.975	0.000	0.000	88.685	0.000	2.036	0.000	0.001	109.696
33	Electrical and electronic products industries	0.000	0.000	0.000	0.083	100.865	0.000	0.149	0.000	0.000	101.097
59	Other products and industries, wholesale	0.000	0.000	0.000	0.000	53.947	0.000	0.000	0.000	0.000	53.947
83	Local government service industries	0.000	13.260	0.000	0.000	25.740	0.000	0.000	0.000	0.000	39.000
32	Transportation equipment industries	0.001	0.000	0.000	0.004	35.275	0.650	0.157	0.000	0.000	36.087
35	Non-metallic mineral products industries	0.000	0.000	0.000	0.000	2.601	0.000	0.000	0.000	0.000	2.601
15	Rubber products industries	0.000	0.000	0.000	0.000	2.450	0.000	0.026	0.000	0.000	2.476
16	Plastic products industries	0.000	0.000	0.000	0.000	1.861	0.000	0.000	0.000	0.000	1.861
39	Other manufacturing industries	1.500	0.100	0.000	0.000	0.000	0.000	0.017	0.000	0.000	1.617
	Total	**2.411**	**498.788**	**0.000**	**3.493**	**1,555.332**	**0.650**	**2.558**	**0.000**	**0.001**	**2,063.233**

Mercury (and its compounds)

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
29	Primary metal industries	0.000	0.000	0.000	0.000	10.000	0.000	0.000	0.000	0.000	10.000
37	Chemical and chemical products industries	0.000	9.259	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.259
	Total	**0.000**	**9.259**	**0.000**	**0.000**	**10.000**	**0.000**	**0.000**	**0.000**	**0.000**	**19.259**

Nickel (and its compounds)

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
32	Transportation equipment industries	0.000	54.732	0.000	0.000	31.929	80.148	1.486	0.000	0.000	168.294
29	Primary metal industries	0.000	76.993	0.000	0.000	36.775	0.000	0.288	0.000	0.000	114.057
30	Fabricated metal products industries (except machinery and transport. equipment)	15.423	6.772	0.000	0.000	18.246	0.300	0.362	0.000	0.000	41.103
49	Other utility industries	0.000	0.000	0.000	0.000	32.920	0.000	0.000	0.000	0.000	32.920
99	Other service industries	0.000	19.165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	19.165
37	Chemical and chemical products industries	0.000	0.316	0.000	0.000	15.730	0.000	0.154	0.000	0.000	16.200
10	Food industries	10.243	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.243
33	Electrical and electronic products industries	0.000	0.000	0.000	0.000	5.697	0.000	0.001	0.000	0.000	5.698
15	Rubber products industries	0.000	0.000	0.000	0.000	0.349	0.000	0.000	0.000	0.000	0.349

Nickel (and its compounds) – *continued*

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
36	Refined petroleum and coal products industries	0.000	0.000	0.000	0.000	0.002	0.000	0.249	0.000	0.000	0.251
31	Machinery industries (except electrical machinery)	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.100
	Total	**25.666**	**157.978**	**0.000**	**0.000**	**141.748**	**80.448**	**2.540**	**0.000**	**0.000**	**408.380**

Tetrachloroethylene

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
28	Printing, publishing and allied industries	28.830	0.000	0.000	16.000	0.000	0.000	0.000	0.000	0.000	44.830
37	Chemical and chemical products industries	0.000	0.000	0.000	24.509	0.000	0.000	0.002	0.000	0.000	24.511
59	Other products and industries, wholesale	0.000	0.000	0.000	0.592	0.000	0.000	0.000	0.000	0.000	0.592
19	Textile products industries	0.090	0.180	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.360
33	Electrical and electronic products industries	0.000	0.000	0.000	0.300	0.000	0.000	0.000	0.000	0.000	0.300
	Total	**28.920**	**0.180**	**0.090**	**41.401**	**0.000**	**0.000**	**0.002**	**0.000**	**0.000**	**70.593**

Trichloroethylene

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
33	Electrical and electronic products industries	0.000	12.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.000
30	Fabricated metal products industries (except machinery and transport. equipment)	2.870	3.300	0.000	1.600	0.035	0.000	0.000	0.000	0.000	7.805
37	Chemical and chemical products industries	0.000	0.000	0.000	4.500	0.000	0.000	0.001	0.000	0.000	4.501
32	Transportation equipment industries	0.000	0.000	0.000	3.950	0.000	0.000	0.000	0.000	0.000	3.950
59	Other products and industries, wholesale	0.000	0.000	0.000	0.420	0.000	0.000	0.000	0.000	0.000	0.420
	Total	**2.870**	**15.300**	**0.000**	**10.470**	**0.035**	**0.000**	**0.001**	**0.000**	**0.000**	**28.676**

Vinyl chloride

SIC code [3]	Sector name	Physical	Chemical	Biologic.	Inciner.	Landfill	Storage	MSTP[4]	Under-ground	Land application	Total transfers
33	Electrical and electronic products industries	0.000	0.000	0.000	0.000	0.800	0.000	0.000	0.000	0.000	0.800
37	Chemical and chemical products industries	0.000	0.000	0.000	0.016	0.043	0.000	0.000	0.000	0.000	0.059
	Total	**0.000**	**0.000**	**0.000**	**0.016**	**0.843**	**0.000**	**0.000**	**0.000**	**0.000**	**0.859**

Appendix 11 – '3Rs' and energy recovery in Canada (tonnes)

CAS # [1]	Pollutant	'3Rs'	No. of reports	Energy recovery	No. of reports	Total	Total no. of reports
7664-93-9	Sulphuric acid	34,135.503	24	0.000	0	34,135.503	24
7647-01-0	Hydrochloric acid	31,028.060	11	0.000	0	31,028.060	11
NA	Copper (and its compounds)	17,865.395	108	0.549	3	17,865.944	111
NA	Zinc (and its compounds)	17,212.425	103	17.886	3	17,230.311	106
115-07-1	Propylene	17,066.078	1	0.000	0	17,066.078	1
NA	Lead (and its compounds)	9,257.056	57	0.933	3	9,257.989	60
NA	Manganese (and its compounds)	8,819.538	75	0.000	0	8,819.538	75
108-88-3	Toluene	5,771.195	61	402.853	36	6,174.048	97
1330-20-7	Xylene (mixed isomers)	3,227.599	59	1,035.739	35	4,263.338	94
NA	Chromium (and its compounds)	3,751.544	59	0.001	1	3,751.545	60
78-93-3	Methyl ethyl ketone	3,439.669	38	123.761	16	3,563.430	54
NA	Nickel (and its compounds)	3,196.929	63	0.000	0	3,196.929	63
67-64-1	Acetone	937.567	29	199.844	12	1,137.411	41
7429-90-5	Aluminum (fume or dust)	1,014.537	10	0.400	1	1,014.937	11
67-63-0	Isopropyl alcohol	616.482	28	185.581	26	802.063	54
7440-62-2	Vanadium (fume or dust)	719.604	5	0.000	0	719.604	5
NA	Arsenic (and its compounds)	598.194	3	0.000	0	598.194	3
67-56-1	Methanol	244.665	18	336.564	21	581.229	39
7664-38-2	Phosphoric acid	533.710	9	0.000	0	533.710	9
NA	Ammonia (total)[2]	490.050	11	0.000	0	490.050	11
107-21-1	Ethylene glycol	317.298	24	41.522	6	358.820	30
75-09-2	Dichloromethane	230.906	12	11.439	3	242.345	15
NA	Antimony (and its compounds)	241.731	8	0.000	0	241.731	8
108-10-1	Methyl isobutyl ketone	166.939	22	74.481	7	241.420	29
79-01-6	Trichloroethylene	200.556	19	17.400	2	217.956	21
127-18-4	Tetrachloroethylene	187.983	6	11.310	2	199.293	8
100-41-4	Ethylbenzene	40.807	5	106.231	6	147.038	11
1313-27-5	Molybdenum trioxide	146.080	2	0.000	0	146.080	2
71-36-3	*n*-Butyl alcohol	54.656	14	84.531	12	139.187	26
7697-37-2	Nitric acid	104.081	8	0.000	0	104.081	8
111-42-2	Diethanolamine (and its salts)	83.170	5	18.504	3	101.674	8
NA	Mercury (and its compounds)	96.580	2	0.000	0	96.580	2
NA	Cadmium (and its compounds)	93.823	3	0.000	0	93.823	3
NA	Cobalt (and its compounds)	86.250	4	0.000	0	86.250	4
117-81-7	*Bis*(2-ethylhexyl) phthalate	82.677	5	0.000	0	82.677	5
110-82-7	Cyclohexane	64.481	2	0.000	0	64.481	2
92-52-4	Biphenyl	52.850	1	0.000	0	52.850	1

(1) A Chemical Abstract Service (CAS) registry number is a unique identifier given to a chemical substance to facilitate the use, interpretation, and cross-referencing of the data.
(2) Ammonia (total) means the total of both ammonia (NH_3) and ammonium ion (NH_4^+) in solution.

CAS #[1]	Pollutant	'3Rs'	No. of reports	Energy recovery	No. of reports	Total	Total no. of reports
NA	Selenium (and its compounds)	49.588	1	0.000	0	49.588	1
117-84-0	Di-*n*-octyl phthalate	34.264	4	2.900	1	37.164	5
95-63-6	1,2,4-Trimethylbenzene	7.311	3	17.520	4	24.831	7
108-05-4	Vinyl acetate	0.000	0	24.000	1	24.000	1
NA	Silver (and its compounds)	19.712	1	0.000	0	19.712	1
108-95-2	Phenol (and its salts)	14.973	6	1.610	1	16.583	7
75-05-8	Acetonitrile	0.000	0	14.498	1	14.498	1
78-83-1	*i*-Butyl alcohol	10.614	2	0.004	1	10.618	3
71-43-2	Benzene	7.700	2	0.000	0	7.700	2
1634-04-4	Methyl *tert*-butyl ether	0.000	0	7.440	1	7.440	1
111-15-9	2-Ethoxyethyl acetate	7.365	1	0.000	0	7.365	1
101-68-8	Methylene*bis*(phenylisocyanate)	7.245	5	0.000	0	7.245	5
7723-14-0	Phosphorus (yellow or white)	5.579	3	0.000	0	5.579	3
56-23-5	Carbon tetrachloride	5.300	1	0.000	0	5.300	1
85-68-7	Butyl benzyl phthalate	0.000	0	3.815	3	3.815	3
26471-62-5	Toluenediisocyanate (mixed isomers)	3.700	2	0.000	0	3.700	2
55-63-0	Nitroglycerin	1.600	1	0.000	0	1.600	1
1319-77-3	Cresol (mixed isomers and their salts)	1.500	1	0.000	0	1.500	1
141-32-2	Butyl acrylate	0.000	0	1.200	1	1.200	1
84-74-2	Dibutyl phthalate	0.000	0	0.936	3	0.936	3
1344-28-1	Aluminum oxide (fibrous forms)	0.690	1	0.000	0	0.690	1
103-23-1	*Bis*(2-ethylhexyl) adipate	0.628	1	0.000	0	0.628	1
100-42-5	Styrene	0.053	2	0.500	1	0.553	3
50-00-0	Formaldehyde	0.461	1	0.082	1	0.543	2
98-82-8	Cumene	0.000	0	0.500	1	0.500	1
584-84-9	Toluene-2,4-diisocyanate	0.300	1	0.000	0	0.300	1
96-33-3	Methyl acrylate	0.000	0	0.150	1	0.150	1
140-88-5	Ethyl acrylate	0.000	0	0.100	1	0.100	1
75-15-0	Carbon disulphide	0.050	1	0.000	0	0.050	1
	Total	**162,355.301**	**954.00**	**2,744.784**	**220.00**	**165,100.085**	**1,174**

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