



STAFF REPORT ACTION REQUIRED

National Pollutant Release Inventory: Toronto's 2006 and 2007 Annual Reports

Date:	May 29, 2009
To:	Parks and Environment Committee
From:	Lawson Oates, Director Toronto Environment Office
Wards:	All
Reference Number:	P:\2009\Cluster B\TEO\PE09006

SUMMARY

This report provides information about emissions reported to the National Pollution Release Inventory ("NPRI") by large facilities across Toronto for 2006 and 2007 (the most recent years for which verified data has been published), and updates a previous report on emissions tracked by the NPRI up to and including 2005. Compared to 2005, fewer facilities reported to NPRI and the total releases of common air contaminants and other substances decreased in 2007. In 2007, a total of 305 facilities in Toronto reported their releases to the NPRI. Twenty eight (or 8%) fewer facilities reported in 2007 than in 2005. Total tonnes released to air decreased by 20% between 2005 and 2007. Common air contaminant releases decreased by 20% and releases of other air toxics decreased by 16% in the same period. The total releases to water decreased from 2005 to 2007, with fewer releases in 2006 than 2007. Releases to land remain negligible.

The NPRI program gathers data about the mass of pollutants released into the environment. NPRI data reflect emissions of large facilities only, so the data only represent a portion of the pollutants released and transferred to the environment in Toronto. Pollution also enters the environment from non-NPRI sources, including small businesses, vehicles, homes, and pollution that is transported from elsewhere. The health effects of pollutants depend strongly on the toxicity of released substances and the actual concentrations that reach people, as well as their exposure and sensitivity to such substances. Health-based priorities for emissions reduction may be different than priorities based on mass alone. Beginning in 2012, Toronto's new Environmental Reporting, Disclosure and Innovation program will add new data on chemical release and usage for 25 priority chemicals from smaller Toronto facilities.

This report was prepared in collaboration with Toronto Public Health.

RECOMMENDATION

1. The Director of the Toronto Environment Office recommends that he continue to provide annual reports regarding the emissions that are reported to the National Pollution Release Inventory (NPRI) in Toronto and that he continue to collaborate with Toronto Public Health to produce these reports.

Financial Impact

There are no financial impacts arising from the adoption of the recommendations contained in this report. The Deputy City Manager and Chief Financial Officer have reviewed this report and agree with the financial impact information.

DECISION HISTORY

The former Works Committee at its meeting of April 27, 2005 considered a staff report (dated April 7, 2005) that provided, as requested, an evaluation of a Toronto Star article (“Down and Dirty in the GTA”, December 8, 2004) which focused on the volume of pollutants released into the environment by reporting facilities in the Greater Toronto Area. The Works Committee adopted the report and recommended that the Executive Director, Technical Services, provide an annual report to the Works Committee on the City's annual emissions to provide a public reporting process through Council. Subsequently, the role of the Works Committee was transferred to the Parks and Environment Committee, and staffing re-arrangements moved the reporting responsibility to the Toronto Environment Office.

The previous staff report regarding community and corporate emissions in Toronto was based on what was reported to the NPRI in 2005. The staff report “National Pollutant Inventory: Toronto’s 2005 Annual Report” (dated November 14, 2007) from Deputy City Manager Richard Butts was before the Parks and Environment Committee at its meeting of January 16, 2008.

Committee Recommendations

The Parks and Environment Committee (January 16, 2008) recommended that:

1. City Council request the City Manager to direct all City of Toronto Agencies, Boards, Commissions, Corporations and Divisions to provide their submitted reports to the National Pollutant Release Inventory, Ontario Ministry of the Environment (Ontario Regulation 127/01) and Statistics Canada (respecting Greenhouse Gas Emissions), as applicable, or all relevant equivalent data if they

are below reporting thresholds to the Toronto Environment Office for summary and inclusion in subsequent annual reports; and

2. City Council direct the Director of the Toronto Environment Office to:
 - i. establish a liaison process with all City of Toronto Agencies, Boards, Commissions, Corporations and Divisions in connection with the provision of reports and data cited in Recommendation 1, including a template to provide for consistent provision of information;
 - ii. collaborate with Toronto Public Health to complete the development process for a National Pollutant Release Inventory annual report template with the group of experts who have been engaged to provide comment and feedback on the annual reporting process and utilize the template for the design of Toronto's 2006 Annual National Pollutant Release Inventory Report;
 - iii. collaborate with Toronto Public Health in a joint reporting process for future annual reports; and
 - iv. proceed to issue an "executive summary" of Toronto's Annual Report in connection with the National Pollutant Release Inventory for 2005, which will be designed for the general public.

Actions To Date

Re: 1 The Toronto Environment Office (TEO) has initiated a process to collect emission data from corporate agencies, boards, commissions, corporations and divisions ("ABCCDs") that are not required to report to the NPRI. Since Fall 2007, TEO staff have been engaged in collecting emissions data from ABCCDs that have given presentations to the Parks and Environment Committee on their green initiatives. TEO staff are completing that undertaking and, with the experience and knowledge gained, are proceeding to engage the remaining ABCCDs to acquire relevant equivalent data and information and integrate it with data submitted to the NPRI by those ABCCDs that are required to report.

- Re: 2 (i) A liaison process between the TEO and the ABCCDs has been established and a template for reporting will be designed and issued;
- (ii) Toronto Public Health staff have actively participated in the development of the NPRI annual report together with external experts;
- (iii) Toronto Public Health staff have also actively participated in the reporting process for the combined 2006 and 2007 reporting years and will be engaged in future reporting years; and

- (iv) An “Executive Summary” designed for the general public will be prepared for the combined 2006 and 2007 reporting years. An Executive Summary was planned for the 2005 report, but was held pending resolution of the Environmental Reporting, Disclosure and Innovation (“ERDI”) By-Law, which was not resolved until the latter part of 2008 when work on this staff report (for the 2006 and 2007 NPRI annual reports) was already underway. Key data from the 2005 report will be incorporated into the Executive Summary for 2006-2007.

Subsequent to the staff report to Parks and Environment Committee at its meeting of January 16, 2008 (“National Pollutant Inventory: Toronto’s 2005 Annual Report”, November 14, 2007) a meeting was held with a group of stakeholders with NPRI expertise (Environmental Defence Canada, Canadian Environmental Law Association, Great Lakes United, Toronto Environmental Alliance, as well as City staff from Toronto Public Health and the Toronto Environment Office) to refine the template for future City annual reports regarding NPRI reported emissions in Toronto. The input from the expert group has been very beneficial and incorporated into the present report.

ISSUE BACKGROUND

National Pollutant Release Inventory (NPRI)

The NPRI was established in 1992 and is now legislated under the Canadian Environmental Protection Act, (CEPA 1999). The NPRI requires industrial, commercial, institutional and public works facilities to report information on releases and transfers of specific pollutants to the air, water and land, as well as disposals and off-site transfers for recycling, to the Government of Canada on an annual basis. Environment Canada makes the reported information available to Canadians in an annual summary, and maintains an inventory that can be accessed through an on-line database.

The on-line database undergoes continual update as corrections and omissions are included. This report is based on a “time stamped” version of the downloadable NPRI database as of November 29, 2008.

Only facilities that meet annually identified specific reporting criteria (as per the legal requirements identified in Notices in the Canada Gazette Part 1) are required to report to the NPRI. The reporting requirements are based on the number of employees at a facility as well as the mass or volume of each substance released.

In 2007, over 8,500 industrial, commercial and other facilities across Canada reported their releases and transfers to the NPRI. These facilities reported on 347 substances specified by the NPRI.

The NPRI captures only emissions from large industrial and commercial facilities. Pollutants from mobile sources such as from trucks and cars, or from small stationary

sources such as households, or facilities that release pollutants on a smaller scale as well as certain sector activities, such as agriculture and some mining activities, are not included in the NPRI. Therefore, it should be emphasized that the NPRI data represent only a portion of the pollutants released and transferred to the environment in Canada. Additionally, other substances, such as greenhouse gases, many pesticides, and other pollutants, are not part of the current list of NPRI substances.

2007 is the most recent year for which verified NPRI data is fully available. The newly available 2006 and 2007 data updates a previous staff report (November 14, 2007) which summarized data up to 2005.

The NPRI's reporting requirements have been modified over the years by the federal government. For example, reporting thresholds for several heavy metals such as lead, mercury and nickel have changed; also, criteria air contaminants were only added in 2002. These changes resulted in reports being newly made by facilities that had not previously had to report. As such the "reported emissions" increased, but the occurrence of "emissions" may or may not have.

Furthermore, the data reported for 2003 - 2007 should be considered more accurate than data for the years up to and including 2002. Between 1994 and 2002, reporting to NPRI was of uncertain completeness and accuracy. Not all emissions were reported and many of those that were, are considered to have been sometimes inaccurately estimated or reported by many facilities as a result of confusing instructions. NPRI has since worked with reporting facilities to improve the quality of the data being reported. Therefore, this report only examines data from 2003 through to 2007 when identifying temporal trends.

Other Processes for Pollution Reporting in Toronto

There are several other mechanisms by which information about pollution in Toronto is collected and disseminated. The City of Toronto's Environment Office (TEO) undertakes to estimate and track the emissions from individual homes and vehicles as well as to track emissions from City Government operations, and produces Toronto wide inventory reports regarding greenhouse gas and air quality related emissions. The next TEO inventory report is scheduled to be completed in Fall 2009.

The Federal government requires facilities that emit the equivalent of 100,000 tonnes or more of Greenhouse Gases (in equivalent CO₂ units or "eCO₂") to report their emissions to Statistics Canada. No facility or industry within the boundary of Toronto emits as much as 100,000 tonnes, and therefore no such reports were made. A discussion of the greenhouse gas (GHG) emissions from City-owned landfills that are outside City boundaries will be included in TEO's forthcoming greenhouse gases and air pollutants inventory report.

Another reporting requirement for industries in Toronto is the City of Toronto's Sewer Use By-law (July 2000). The Sewer Use By-law requires industries discharging specified pollutants into the City's sewers to prepare a Pollution Prevention Plan in order to

improve water quality, to control the releases of toxic metals and organics, and to improve the quality of the biosolids that are managed at the wastewater treatment plants. The City of Toronto is one of the first municipalities in Canada to incorporate Pollution Prevention (P2) Planning requirements into its Sewer Use By-law. The objective of P2 planning is to help industries identify ways of reducing and/or eliminating the creation of pollutants and wastes at source. The bylaw therefore supplements the intentions of the NPRI program and the benefits of Toronto's requirements and helps reduce Toronto's emissions.

Environmental Reporting, Disclosure and Innovation Program

In December 2008, City Council adopted a new Environmental Reporting, Disclosure and Innovation (ERDI) program for the City of Toronto. The program includes a new bylaw that will require small and medium-sized facilities to annually report to the City if they use or release any of 25 priority substances above specified thresholds.

The 25 substances are:

- acetaldehyde,
- acrolein,
- benzene,
- 1,3-butadiene,
- cadmium,
- carbon tetrachloride,
- chloroform,
- chromium (hexavalent),
- chromium (non-hexavalent),
- 1,4-dichlorobenzene,
- 1,2-dichloroethane,
- dichloromethane,
- ethylene dibromide,
- formaldehyde,
- lead,
- particulate matter less than or equal to 2.5 microns (PM_{2.5}),
- manganese,
- mercury,
- nickel,
- oxides of nitrogen (NO_x),
- polycyclic aromatic hydrocarbons (PAHs),
- tetrachloroethylene,
- total volatile organic carbons (VOCs),
- trichloroethylene, and
- vinyl chloride.

All of these substances are reported under the NPRI, but the ERDI will add important data by requiring usage data – not just releases – and requiring additional, smaller facilities to report. The City anticipates that 5,000 to 7,000 facilities in Toronto may be required to report data as a result of ERDI.

The reporting bylaw will come into effect on January 1, 2010, and reporting will be phased in over four years, with the facilities in the first phase required to report 2010 data by June 30, 2011.

Ontario Toxics Reduction Act

The proposed Ontario Toxics Reduction Act would include new public reporting of chemical usage, require facilities to develop plans for reducing chemicals, and provide pollution prevention assistance to businesses. Together, the Toxics Reduction Act and Toronto's ERDI will provide important data on sources of pollutants, stimulate large and small facilities to review their chemical usage, and build their capacity to reduce these chemicals.

The provincial government first proposed the strategy last year and in May 2009 posted a draft "Toxics Reduction Act" on the Environment Registry for public comment. The Province has indicated that the Act will be in place in 2010. Like the NPRI, the Act will apply to certain facilities with 10 or more employees and reporting thresholds for most chemicals would be 10,000 kg, with lower thresholds for a few very toxic substances. Affected facilities will initially report on 45 substances, and the Act will phase in requirements for approximately 400 other substances in future years. The proposed Act also identifies technical assistance, education and incentives to affected facilities to build capacity, as well as education for smaller facilities not covered by the reporting requirements.

Interpreting Pollution Release Data

Collecting and compiling pollution data is useful for identifying the sources of pollutants and emission trends in Toronto. However, an assessment of the risks to health from pollution releases must also consider exposure and toxicity. Relying solely on the mass released does not provide an accurate picture of the health risks posed by these pollutants.

The amount of pollutant released is not equivalent to the level of exposure in the community. When a substance is released into the air from an industrial stack, it is diluted by the air and disperses away in various directions. The actual concentrations that reach people living around each facility depend on the wind and weather conditions as well as the height of the stack. Releases also mix with pollution from other sources such as vehicles. As well, the rate of release may fluctuate over time, but this is not captured by NPRI reports, which reflect annual average releases.

Also, not all substances have equal toxicity. A small amount of a very toxic chemical may be of greater concern than a larger amount of a less toxic substance. For example,

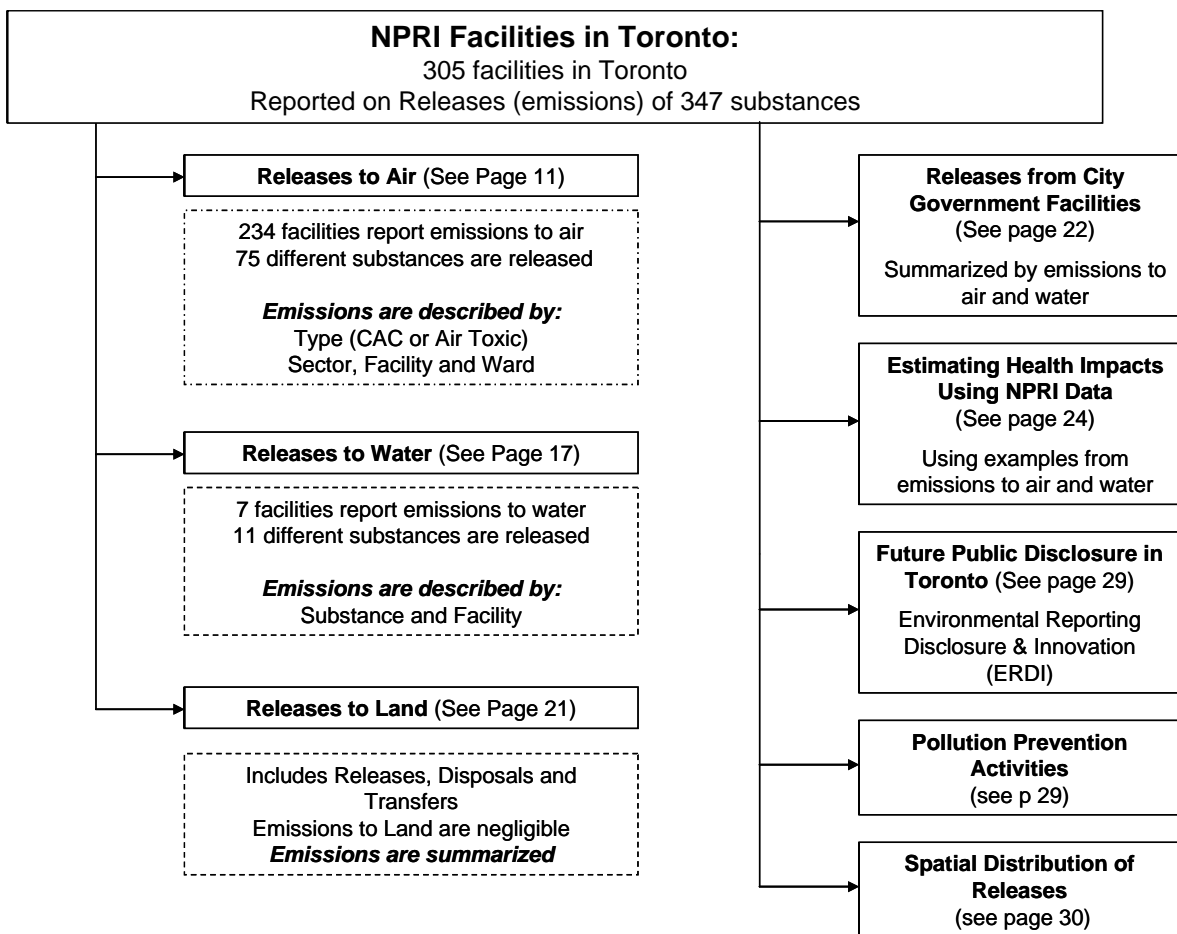
cadmium and formaldehyde are both linked to developing cancer, but cadmium is thought to be 1000 times more potent than formaldehyde. Different substances can also lead to different types of health effects, making it difficult to prioritize one over the other. For example, exposure to PM_{2.5} is linked to respiratory and cardiovascular effects, whereas exposure to mercury is linked to neurological effects.

COMMENTS: RELEASES IN TORONTO

This report presents the reported emissions from all NPRI facilities located within Toronto for 2006 and 2007 which are the two most recent years that complete and verified data is available. This report presents the quantities of emissions to air, water and land from industrial sources including a subset of City-owned and operated facilities. It highlights how emissions have changed since 2005, which TEO documented in its most recent NPRI report in 2007, and also presents trend data as far back as 2003.

Figure 1 illustrates the flow of information that will be included in this report.

Figure 1: Layout and Information Included in this Report



NPRI facilities report their emissions to air, water, and land separately. This approach is used because the fate of pollutants in the environment, and population exposure to pollutants depends on where they are released.

Overview of Pollution in Toronto

Pollutants are released into the environment via air, water and land from many different sources in Toronto, including large industries and small businesses, cars, trucks and individual homes. Pollutants can also enter Toronto from emission sources beyond Toronto, primarily through the air. These transboundary pollutants can originate from sources across Ontario and in the United States.

Releases in Toronto

This report, and all data referenced to NPRI, in all figures, tables and text is based on a “time stamped” version of the NPRI’s database, as of November 29, 2008. Searches made at other times or from other versions, or are based on the releases obtained from individual facility searches, may indicate slight differences as the on-line database is continually updated as corrections and omissions are included.

In order to clarify the meaning of terms that may be ambiguous or confusing, the following nomenclature conventions are used in this report: emissions attributable to the City, or to City of Toronto facilities, or to City-owned and operated facilities, or City Government operated facilities, or to City Government are all synonymous and interchangeable; emissions attributable to the City of Toronto Community, or to the Toronto Community (not including City Government emissions) are all synonymous and interchangeable; and All Toronto or Toronto are the termed specifically adopted to denote the combination of City Government and City Community emissions.

In 2007, a total of 305 facilities in Toronto reported their releases to the NPRI. The number of facilities reporting has decreased approximately 8% since 2005.

The total mass of the reported releases in Toronto in 2007 was 34,626 tonnes. This represents an approximate decrease in total releases of 11% from 2005. The most significant decrease has been in releases to air, which decreased 20% from 15,906 tonnes in 2005 to 12,792 tonnes in 2007. Releases to water have also decreased by 6% from 23,780 tonnes in 2005 to 22,274 tonnes in 2007. No releases to land were reported in 2006 and 2007.

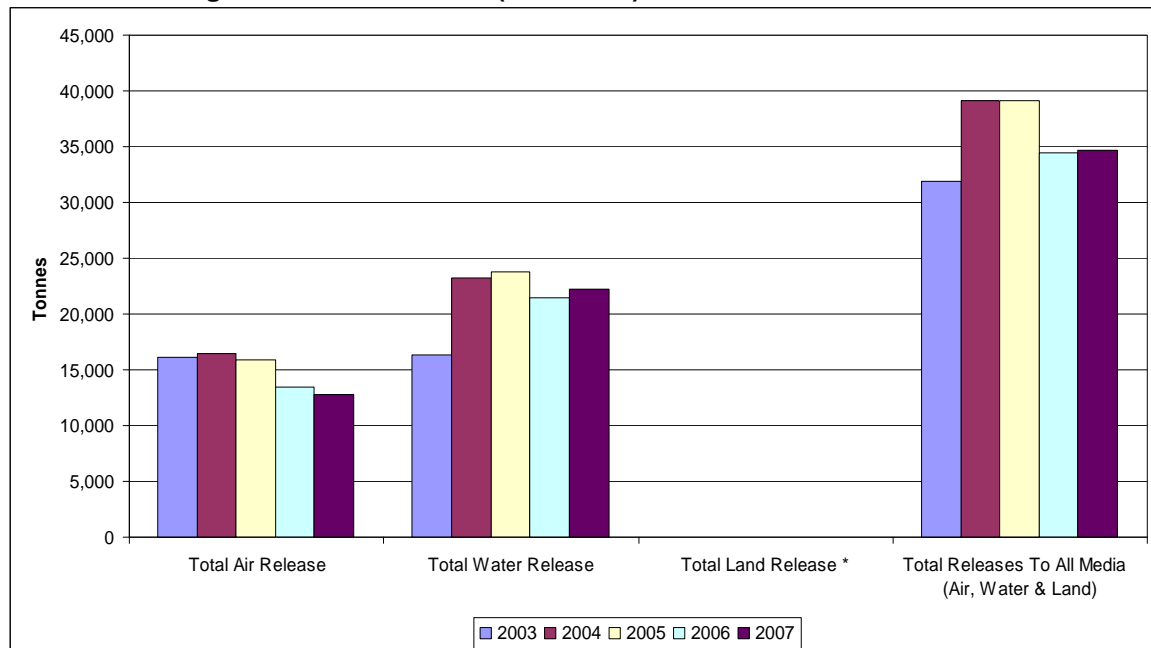
Table 1 and Figure 2 below show the total releases in Toronto between 2003 and 2007. Further details about the releases to air, water and land are provided in the following sections of this report.

Table 1: Total Releases (2003-2007) in Tonnes

	2003	2004	2005	2006	2007
No. of Facilities	322	335	333	302	305
Total Air Release	16,130	16,467	15,906	13,499	12,792
Total Water Release	16,302	23,260	23,780	21,442	22,274
Total Land Release	8.7	0.3	0.3	0	0
TOTAL RELEASES	31,934	39,159	39,107	34,459	34,626

There have not been significant changes in the total releases reported to NPRI in Toronto. The reductions in releases that have occurred are most likely to be due to improvements in industrial processing (i.e., better pollution abatement technology) and/or facility closings. The NPRI does not publish industrial process changes or pollution prevention (P2) process changes.

Figure 2: Total Releases (2003-2007) in Tonnes



* Note: Due to the small quantity of releases to land the releases from 2003 – 2007 are not visible in Figure 2.

NPRI does provide the number of facilities reporting and the associated gains and losses (excluding companies that changed their name and/or ownership). However, explanations as to why the numbers of reporting facilities decreased are not available. Decreases could be due to reduced emissions resulting from process changes, or be due to facility closures, or be due to companies moving their operations elsewhere, or to other reasons. The data in Table 2 (based on NPRI facility ID numbers) includes all facilities that had previously reported as “previously reporting” in Toronto even where a company underwent a name or ownership change.

Table 2: Total Releases (2003-2007) in Tonnes

	2005	2006	2007
Facilities Reporting	333	302	305
Previously Reporting	304	285	273
Newly Reporting	29	17	32

Releases to Air

This section provides further details and analysis of the NPRI releases to air in Toronto. As noted above, NPRI facilities are only one of many sources of air pollution in Toronto. Releases to air reported to NPRI are from large industrial, commercial, institutional and public works facilities. Releases from mobile sources such as from trucks and cars, or from small stationary sources such as furnaces and boilers in households and small businesses, etc., are not reported to NPRI. Additionally, transboundary air emissions are also not accounted for under NPRI.

The total releases to air reported to NPRI decreased significantly in 2006 and continued to decrease in 2007. In 2007, 12,792 tonnes of pollutants were released to air which is a 20% decrease from the releases in 2005.

Location

Maps showing the location and relative amount of substances released to air by facilities across Toronto are discussed in a subsequent section “Spatial Distribution of Releases in Toronto” and the associated maps are included in Appendix D.

Type of Air Pollutant

There are two main categories of releases to air: criteria air contaminants and other substances, referred to as air toxics in this report.

Criteria Air Contaminants

Criteria air contaminants (CACs) are a group of air pollutants that cause smog and acid rain. Smog is strongly linked to cardiovascular and respiratory health effects.

Environment Canada defines the following substances as CACs:

- Total Particulate Matter (TPM);
- Particulate Matter less than or equal to 10 microns (PM₁₀);
- Particulate Matter less than or equal to 2.5 microns (PM_{2.5});
- Sulphur Oxides (SO_x);
- Nitrogen Oxides (NO_x);
- Volatile Organic Compounds (VOC);
- Carbon Monoxide (CO); and
- Ammonia (NH₃).

Note: Volatile Organic Compounds are organic chemical compounds that under normal atmospheric conditions vapourize in to the air. When VOCs and nitrogen oxides are both

present in the atmosphere, they can combine under the influence of sunlight to create ozone, the secondary pollutant that most commonly triggers “smog” alerts.

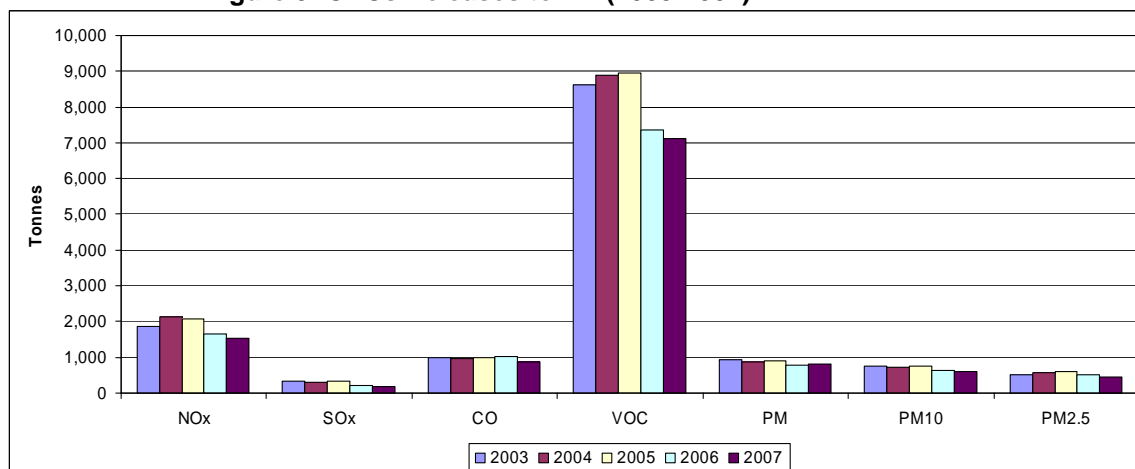
The total releases to air of CACs in Toronto decreased by 20% from 14,837 tonnes in 2005 to 11,896 tonnes in 2007. Emissions of each individual CACs also steadily decreased from 2003 to 2007 (see Table 3 and Figure 3).

The CAC with the largest percentage decrease from the last reporting period in 2005 is SOx, which decreased by over 40%. VOCs had the largest absolute decrease between 2005 and 2007 from 8,940 tonnes to 7,102 tonnes.

Table 3: CACs Released To Air (2003-2007) in Tonnes

	2003	2004	2005	2006	2007
NOx	1,848	2,130	2,069	1,665	1,527
SOx	325	308	317	203	189
CO	987	966	978	1,012	870
VOC	8,620	8,896	8,940	7,361	7,102
PM _{Total}	943	878	893	780	811
PM ₁₀	753	735	747	630	586
PM _{2.5}	523	585	591	496	454
TOTAL CACs	14,419	14,791	14,837	12,430	11,896

Figure 3: CACs Releases to Air (2003-2007)



Air Toxics (All substances released to air excluding CACs)

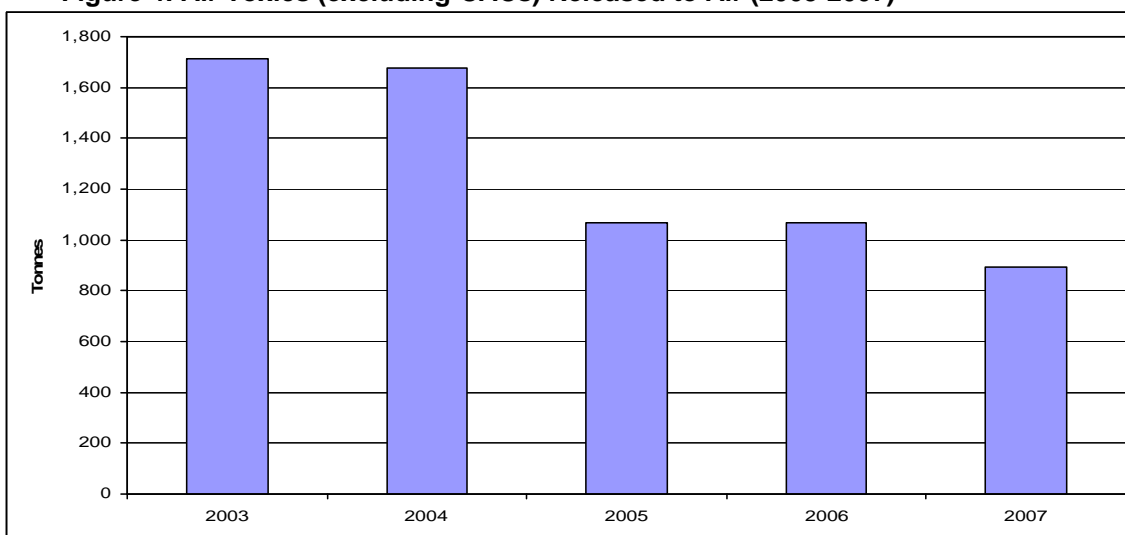
Air toxics refers to air contaminants that are not listed as criteria air contaminants. NPRI has variously used the terms “other substances” and “substances” for these contaminants, but in this report “air toxics” is the preferred term and effectively includes all of the less common air contaminants of concern. For example, air toxics include 1,4-dichlorobenzene, 1,2-dichloroethane, benzene, and 1,3-butadiene.

Air toxics are typically released in much lower amounts than the CACs, but have often have higher potency for health effects. There are approximately 105 air toxics that are reported to NPRI. The potential of health effects from these substances varies by substance and spans a range of types and severity of health impacts. Table 4 and Figure 4 summarize the total mass of the air toxics emitted in Toronto each year since 2003.

Table 4: Air Toxics (excluding CACs) Released to Air (2003-2007) in Tonnes

	2003	2004	2005	2006	2007
Air Toxics	1,711	1,676	1,069	1,069	895

Figure 4: Air Toxics (excluding-CACs) Released to Air (2003-2007)



In 2007 there were 16% fewer reported emissions of air toxics than in 2005. The step-down between 2004 and 2005 (a 36% reduction) is thought to be due to clarifications of reporting instructions and consequent changes in interpretation of reporting requirements.

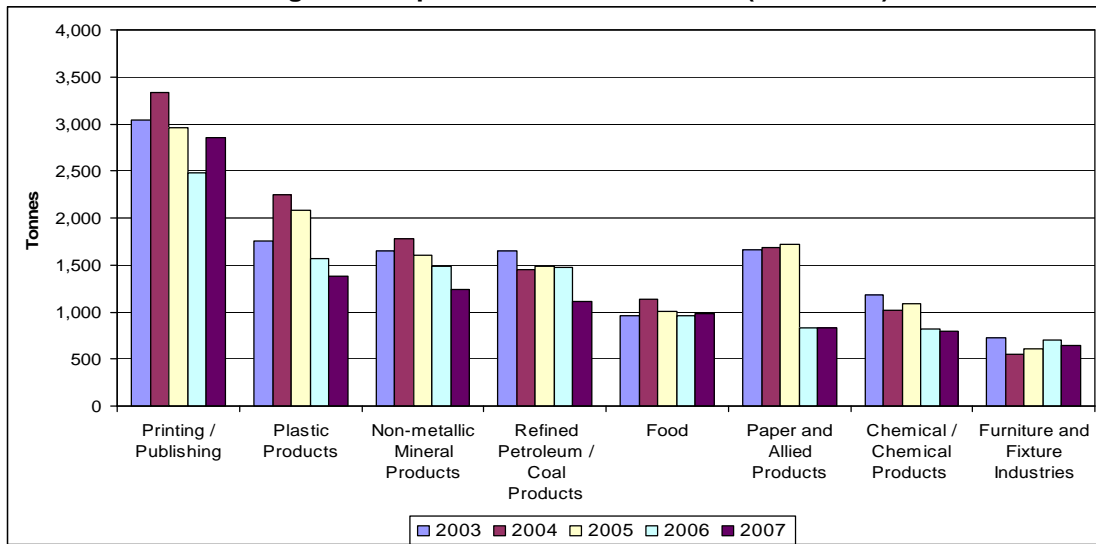
Releases to Air by Sector

Over 30 industry sectors have reported releases to air in Toronto since 2003. The top eight sectors, according to tonnes released, are presented in Table 5 and Figure 5. These eight sectors represent more than 75% of the total releases to air. The printing and publishing industry accounts for the largest portion of the releases to air in the City – 2,850 tonnes in 2007 or more than 20% of the total releases to air. Since 2005 the sectors that have decreased their releases to air most significantly are the plastic products industry (33%) and the paper and allied products sector (50%). Only one of the top eight industries' releases to air has increased since 2005: the furniture and fixtures sector releases to air have risen by 4%.

Table 5: Top Sectors Releases to Air (2003-2007) in Tonnes

Industry Sector	2003		2004		2005		2006		2007	
	Facilities	Tonnes	Facilities	Tonnes	Facilities	Tonnes	Facilities	Tonnes	Facilities	Tonnes
Printing / Publishing	20	3,036	22	3,336	21	2,964	22	2,476	21	2,850
Plastic Products	25	1,754	28	2,249	25	2,083	24	1,563	23	1,383
Non-metallic Mineral Products	12	1,649	12	1,778	11	1,598	13	1,482	14	1,235
Refined Petroleum/ Coal Products	9	1,646	9	1,454	9	1,488	10	1,471	10	1,116
Food	28	958	28	1,140	27	1,001	24	964	26	977
Paper and Allied Products	6	1,664	6	1,689	6	1,718	5	835	7	826
Chemical/ Chemical Products	49	1,179	52	1,023	51	1,092	47	816	41	796
Furniture and Fixture	11	724	11	548	9	614	10	703	10	641
OTHER SECTORS	162	3,520	167	3,251	174	3,349	147	3,190	153	2,969
TOTAL	322	16,130	335	16,467	333	15,906	302	13,499	305	12,792

Figure 5: Top Sectors Releases to Air (2003-2007)



Releases to Air by Facility

Releases are reported to NPRI at the facility level. Therefore, information, including releases to air, is available for every specific facility that exceeds the NPRI reporting thresholds. Since 2003 more than 350 different facilities have reported releases to air in Toronto. Details of the facilities in Toronto that reported releases to air in 2006 and 2007 are presented in Appendix B-3.

When interpreting the facility data, it is important to consider that the total quantity of releases does not directly correlate with the environmental performance of the facility and that scale of operation should be taken into account. For example, a large scale facility that has implemented stringent pollution prevention measures may still have higher releases than a smaller scale facility with virtually no pollution prevention measures. The only benchmark that is reported to NPRI that provides some insight into scale of the facility is the number of employees.

Releases to Air by Ward

The releases to air can be examined on a geographic basis as well. Table 6 and Figure 6 below present the releases to air of the wards in 2007. It should be noted that the top eight wards represent over 75% of the total releases to air in Toronto.

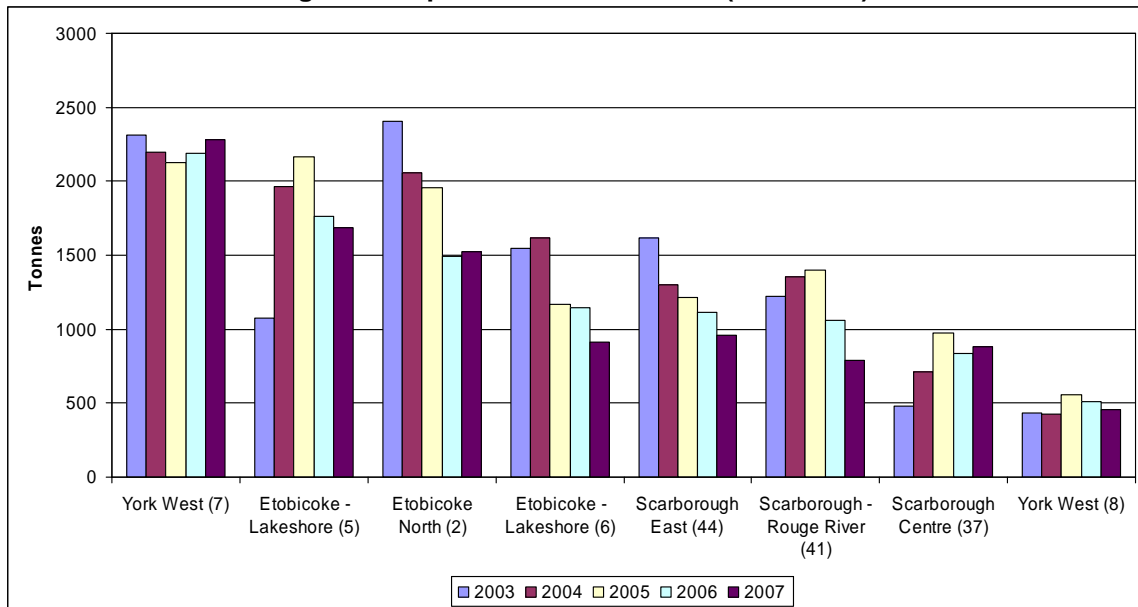
Between 2005 and 2007, the wards with the largest decrease in releases to air were Ward 41 – Scarborough-Rouge River and Ward 26 – Don Valley West. The releases to air decreased 85% in Ward 26, from 806 tonnes in 2005 to 121 tonnes in 2007. In Ward 41, the releases to air decreased 44%, from 1,351 tonnes in 2005 to 789 tonnes in 2007. The

most significant increases in releases to air between 2005 and 2007 were in Ward 7 – York West and Ward 34 – Don Valley East. Releases to air in Ward 7 increased 7% from 2,127 tonnes in 2005 to 2,281 tonnes in 2007. In Ward 34, releases to air increased 53% from 88 tonnes in 2005 to 188 tonnes in 2007.

Table 6: Releases to Air by Ward (2003-2007) in Tonnes

Ward	2003	2004	2005	2006	2007
York West (7)	2,314	2,198	2,127	2,186	2,281
Etobicoke - Lakeshore (5)	1,073	1,966	2,166	1,763	1,688
Etobicoke North (2)	2,404	2,055	1,953	1,496	1,520
Etobicoke - Lakeshore (6)	1,549	1,618	1,169	1,142	909
Scarborough East (44)	1,620	1,299	1,210	1,114	956
Scarborough - Rouge River (41)	1,222	1,351	1,399	1,059	789
Scarborough Centre (37)	483	714	971	833	878
York West (8)	433	427	560	511	456
Toronto-Danforth (30)	588	792	494	491	384
Scarborough Southwest (35)	480	455	459	415	441
Scarborough Southwest (36)	323	388	317	366	256
York South-Weston (11)	366	411	370	299	376
Toronto Centre-Rosedale (27)	318	297	274	263	275
Toronto Centre-Rosedale (28)	286	289	266	249	228
Willowdale (24)	229	173	122	223	269
Scarborough-Rouge River (42)	297	171	175	179	134
Don Valley East (34)	99	127	88	130	188
Trinity-Spadina (20)	120	135	145	127	140
Parkdale-High Park (14)	145	120	120	118	127
Don Valley West (26)	963	865	806	106	121
Beaches-East York (32)	109	87	93	85	81
Etobicoke North (1)	120	158	261	65	83
Etobicoke Centre (3)	57	53	52	52	42
York Centre (10)	126	37	39	49	39
York Centre (9)	41	39	34	40	36
Davenport (18)	57	137	132	38	22
Scarborough Centre (38)	19	20	20	36	34
Eglinton-Lawrence (15)	38	6	30	30	6
Beaches-East York (31)	18	15	24	20	20
Scarborough-Agincourt (39)	12	11	12	7	4
Trinity-Spadina (19)	9	3	5	4	3
Scarborough-Agincourt (40)	148	7	7	1	1
Don Valley East (33)	6	11	3	1	4
York South-Weston (12)	61	33	1	0	0
Don Valley West (25)	0	0	0	0	0
Davenport (17)	1	0	0	0	0
Toronto-Danforth (29)	0	0	0	0	0
Willowdale (23)	0	0	0	0	0
TOTAL	16,130	16,467	15,906	13,499	12,792

Figure 6: Top Ward Releases to Air (2003-2007)



Releases to Water

This section provides further details and analysis of the releases to water in Toronto. It should be noted that the nature of the releases to water differ significantly from the releases to air. Unlike air emissions that are released from discrete point sources across the city, water pollutants from the homes and enterprises of the community are transported to centralized wastewater treatment facilities where they are treated before they are released either directly to Lake Ontario or indirectly via the Don River to Lake Ontario. Therefore, unlike releases to air that have numerous sources across the city, releases to water occur primarily only at the City Government’s four wastewater treatment facilities even though the pollutants originate from sources across the whole of Toronto.

The total releases to water reported to NPRI in 2007 were 6% less than the releases to water in 2005.

Substances Released to Water

Unlike releases to air, which include dozens of different pollutant releases, there are only 9 substances that are reported to NPRI as releases to water in Toronto. These releases are shown in Table 7 and Figures 7a, 7b and 7c.

Table 7: Substances Released To Water (2003-2007) in Tonnes

	2003	2004	2005	2006	2007
Nitrate ion in solution at pH >= 6.0	10,299	17,635	16,835	13,958	16,278
Ammonia (Total)	5,638	5,290	6,607	7,091	5,644
Phosphorus (total)	299	286	287	321	286
Zinc (and its compounds)	37.1	21.2	25.0	37.7	31.7
Methanol	16.0	16.2	14.5	20.9	19.0
Copper (and its compounds)	10.4	8.4	6.2	8.5	12.1
Lead (and its compounds)	1.66	2.65	4.39	4.56	2.03
Cadmium (and its compounds)	0.11	0.35	0.23	0.38	0.32
Hexavalent chromium compounds	0.00	0.00	0.03	0.01	0.02
Arsenic (and its compounds)	0.37	0.23	0.25	0.19	0.13
Mercury (and its compounds)	0.03	0.06	0.04	0.05	0.02
TOTAL RELEASES TO WATER	16,302	23,260	23,780	21,442	22,274

Figure 7a: Substances Released to Water (2003-2007)

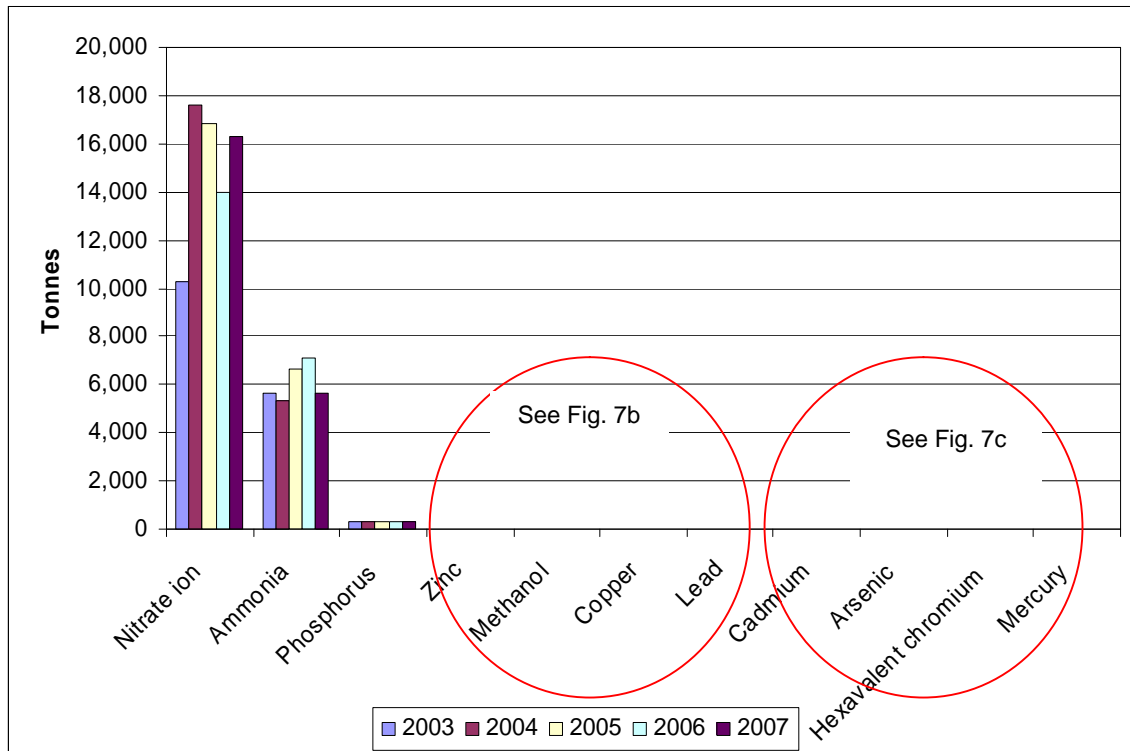


Figure 7b: Substances Released to Water (2003-2007)

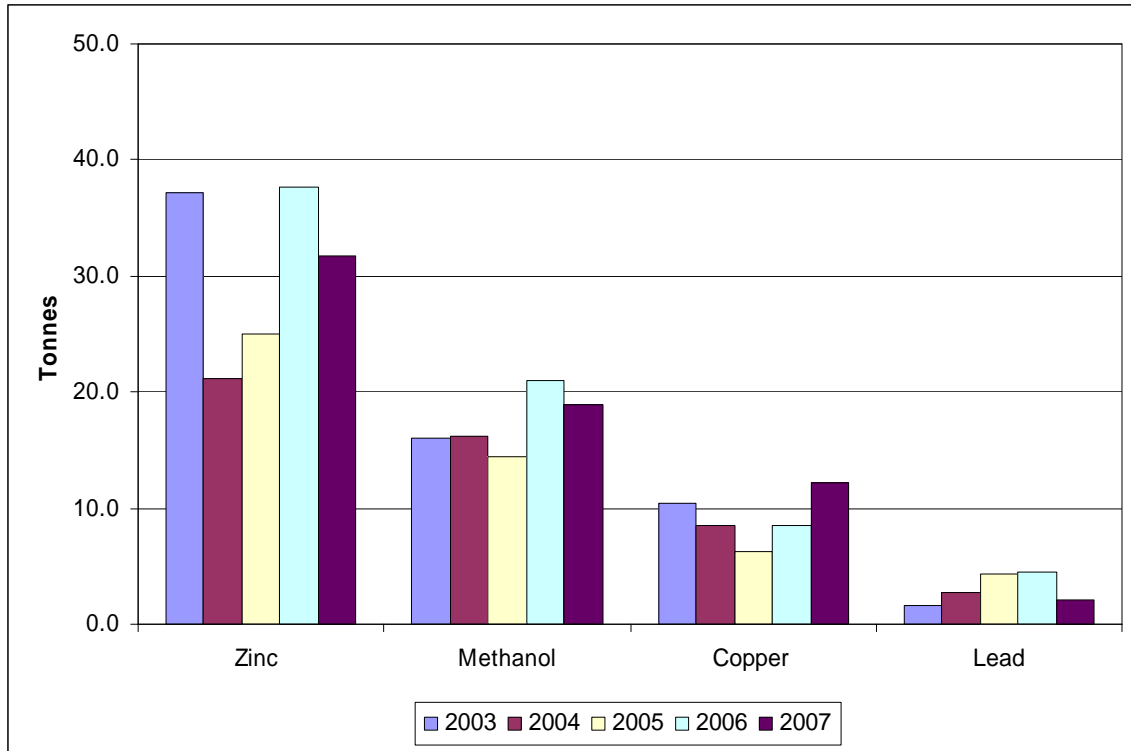
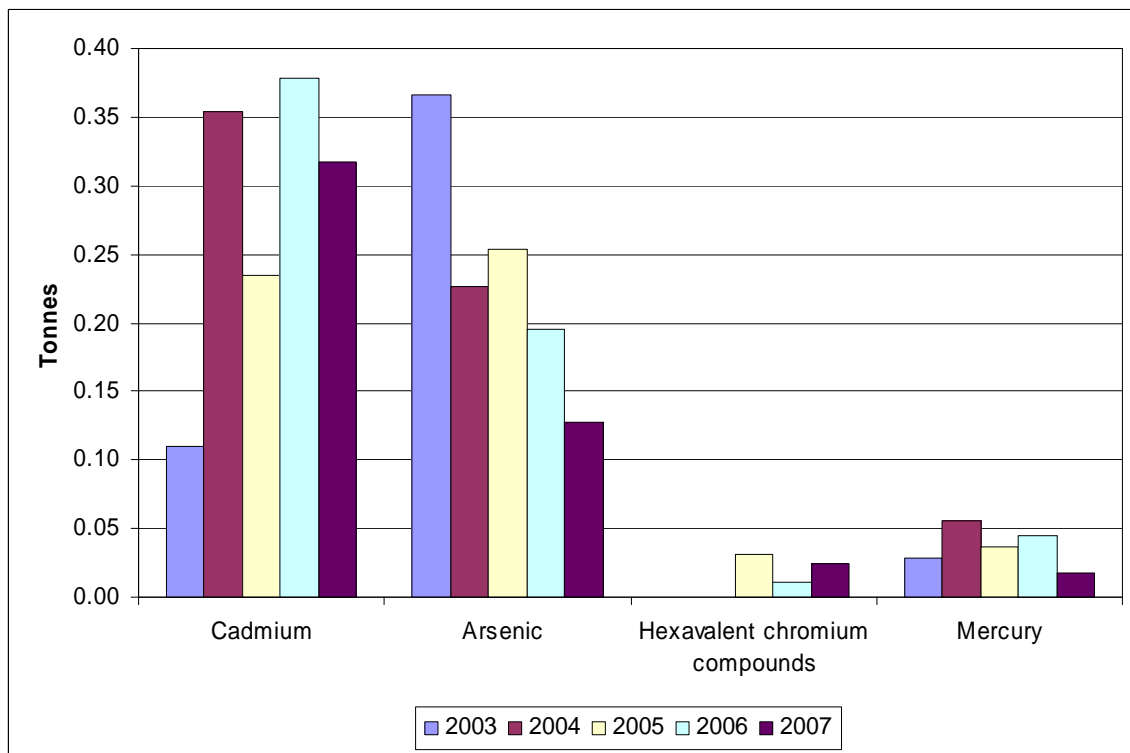


Figure 7c: Substances Released to Water (2003-2007)



Releases to Water by Facility

Only seven facilities reported releases to water in Toronto for 2007 and four of these facilities are the City's wastewater treatment plants. The releases to water reported for the wastewater treatment plants are presented in Table 8 and Figure 8.

The City's wastewater treatment plants receive the pollution that is put into the sewers by all the residential, industrial, commercial and institutional sources that are connected to the network of sewers across Toronto. The City's treatment plants treat the contents of Toronto's wastewater before releasing it into Lake Ontario and the Don River. The releases for each of the wastewater treatment plants are regulated by the Ministry of the Environment in order to protect river courses and Lake Ontario. The City's wastewater treatment plants consistently meet their regulated limits.

Figure 8: Facility Releases to Water (2003-2007)

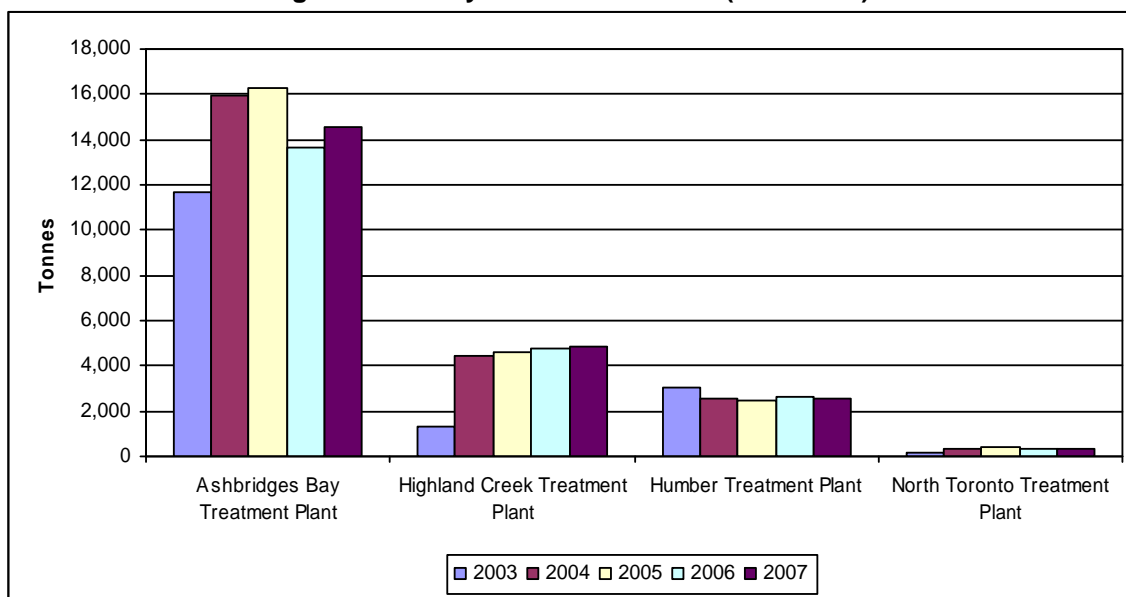


Table 8: Facility Releases To Water (2003-2007) in Tonnes

	2003	2004	2005	2006	2007
Ashbridges Bay Treatment Plant	11,706	15,952	16,295	13,680	14,525
Highland Creek Treatment Plant	1,350	4,457	4,573	4,766	4,844
Humber Treatment Plant	3,041	2,533	2,505	2,636	2,583
North Toronto Treatment Plant	189	302	392	339	301
OTHER FACILITIES	16	16	15	21	19
TOTAL	16,302	23,260	23,780	21,442	22,274

The Ashbridges Bay Treatment Plant which treats 54% of Toronto's volume of wastewater, had the largest releases to water of 14,525 tonnes in 2007, which represents 65% of the total releases to water. The releases at Ashbridges Bay have decreased 11% from 2005.

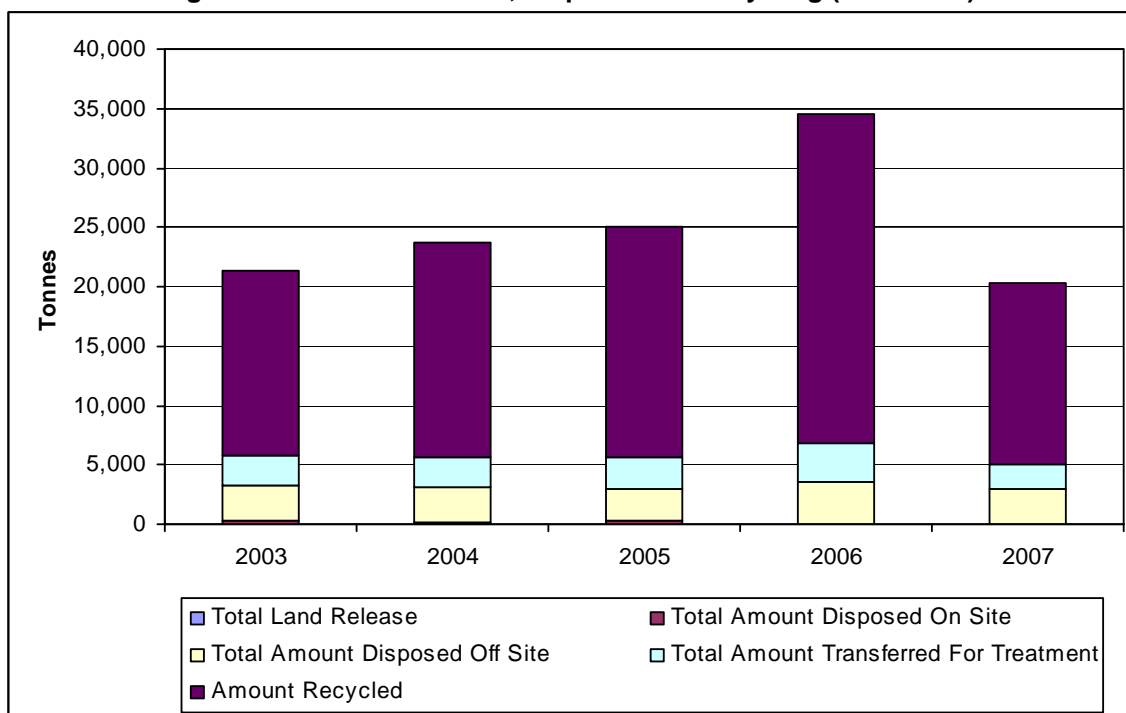
Releases to Land

The total releases to land are very small and effectively negligible. The amount recycled increased dramatically by 42% from 2005 to 2006 but has dropped even more dramatically by 45% from 2006 to 2007 (a drop of 21% from 2005 levels). The combined amounts disposed on-site and off-site and transferred for treatment have remained similar annually since 2003 through to 2007, but with a slight trend toward increased disposal off-site and a decreased amount of transferred for treatment. This may be due to greater amounts of on-site sorting enabling the selection of cheaper disposal options, but this has yet to be confirmed.

Table 9: Releases To Land, Disposal and Recycling (2003-2007) in Tonnes

	2003	2004	2005	2006	2007
Total Land Release	9	0.3	0.3	0.3	0
Total Amount Disposed On Site	251	211	239	0	4
Total Amount Disposed Off Site	2,987	2,917	2,685	3,603	3,001
Total Amount Transferred For Treatment	2,599	2,521	2,673	3,163	1,984
Amount Recycled	15,518	18,088	19,501	27,760	15,315

Figure 9: Releases To Land, Disposal and Recycling (2003-2007)



Releases From City Government Operated Facilities

The City of Toronto (City Government) operates a number of facilities that report to NPRI. These facilities are a subset of all the facilities that are described in this report.

A total of 24 City Government operated facilities have reported to NPRI in recent years: 4 wastewater treatment plants, 4 drinking water treatment plants, 7 solid waste transfer stations and 6 works yards, plus one print shop that no longer has to report. Of the 24 facilities that report to NPRI, four are required to report as they exceed the NPRI established reporting threshold, the remainder of facilities report voluntarily. For example, while works yards and transfer stations are not required to report to NPRI, they do so voluntarily to avoid requests for clarification from NPRI. NPRI only publishes data from the facilities that are required to report.

Seven (7) transfer stations and six (6) works yards report emissions of road dust (estimated by accepted formulas) from non-paved roads at each facility. The reports made by the City Government include the tonnes released as Total Particulate Matter (TPM) for which the reporting threshold is 20 tonnes. The release of TPM from each facility is below the 20 tonne threshold and is not published by NPRI. The thresholds for “particulate matter less than 10 microns aerodynamic diameter” (PM₁₀) and for “particulate matter less than 2.5 microns aerodynamic diameter” (PM_{2.5}) are 0.5 tonnes and 0.3 tonnes respectively. These thresholds applied to road dust starting in 2007 (to harmonize with Ontario Regulation 127/01 reporting requirements). However, even though releases of PM₁₀ from five of the transfer stations and releases of PM_{2.5} from three of the transfer stations are above the respective threshold values – these values as reported to NPRI by the City Government are not published by NPRI. The City has asked NPRI to comment on this, but as of this report, no reply has been received.

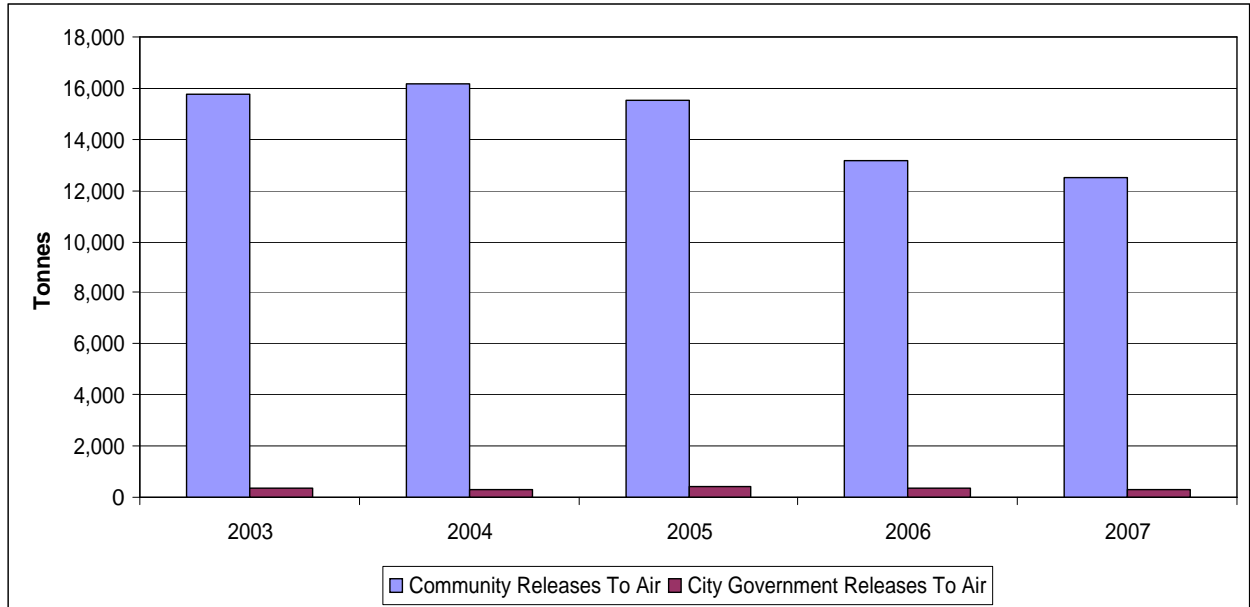
As seen in Figure 10 and Table 10, the contribution of the releases to air attributable to the City Government is very small, approximately 2%, compared to the 98% from Toronto Community releases. The sources of the City Government’s releases to air are discussed together with the City Government’s releases to water as part of the processes to treat Toronto Community waste in the City’s four wastewater treatment facilities (as discussed further in a subsequent section of this report).

The trend in the annual emissions of total releases to air between the high of 2004 and the last available year of data as in 2007 shows an improvement of approximately 20%.

Table 10: City Government and Toronto Community Total Releases to Air (2003-2007) in Tonnes

	2003	2004	2005	2006	2007
Government Releases To Air	355	288	398	338	303
Community Releases To Air	15,776	16,179	15,508	13,161	12,489
TOTAL RELEASES TO AIR	16,130	16,467	15,906	13,499	12,792

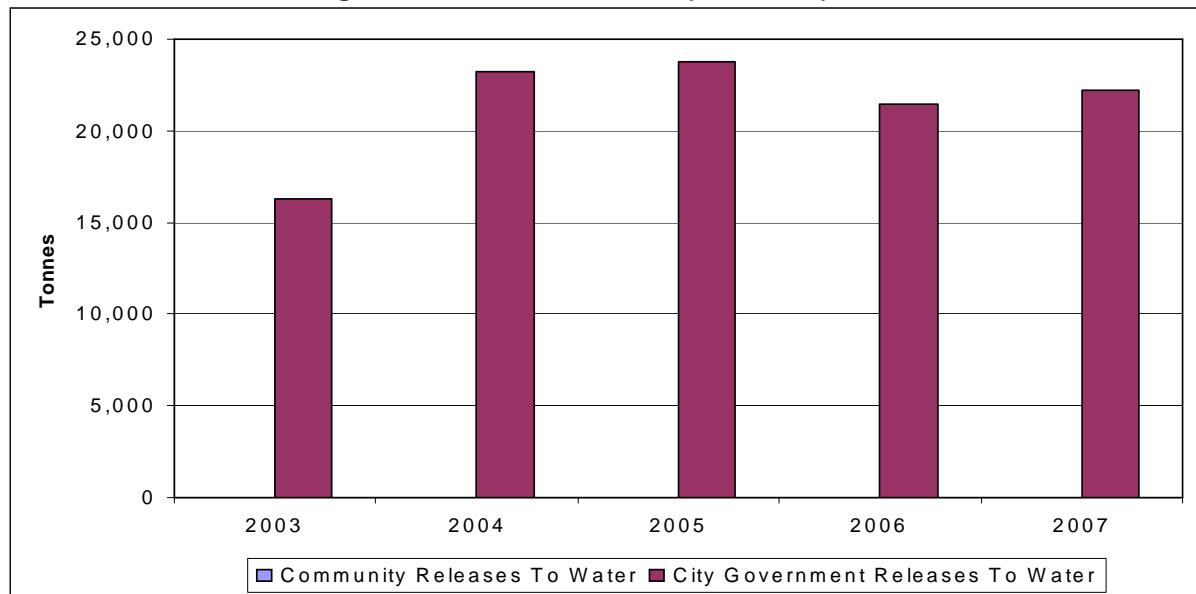
Figure 10: City Government and City Community Total Releases to Air (2003-2007)



As seen in Figure 11 and Table 11, the contribution of the releases to water from the City of Toronto (via “City Government”) represents virtually all of the releases, approximately 99.9%. This, as stated previously, is because the pollutants released across the City flow through City sewers into the City’s four wastewater treatment facilities where the water is treated before it is released. Only a few large scale private facilities treat their own wastewater on site and release to water directly from their own facility.

There were no reported releases to land by City-owned or operated facilities.

Figure 11: Releases to Water (2003-2007)



Note: Due to the small quantity of community releases to water they are not visible in Figure 11.

Table 11: Releases to Water (2003-2007) in Tonnes

	2003	2004	2005	2006	2007
Government Releases To Water	16,286	23,244	23,765	21,421	22,254
Community Releases To Water	16	16	15	21	19
TOTAL RELEASES TO WATER	16,302	23,260	23,780	21,442	22,274

Estimating Health Impacts Using NPRI Data

The NPRI collects and publishes data specifying the “mass” of pollution emitted. (Note: “mass” is technically different from “weight” - but can be considered sufficiently similar here to be equivalent.) NPRI’s data of mass often results in a desire to reduce emissions of those substances which are released in the greatest quantities.

However, the mass of a pollutant released is not necessarily the most appropriate focus of concern. A focus on the largest masses draws attention away from the releases that may be most significant when considered from a health perspective. In Toronto, a focus on mass draws attention to releases to water and away from releases to air and land. Within the releases to air, a focus on mass draws attention to Criteria Air Contaminants and masks the significance of other air toxics. [These points are also illustrated graphically in the sequence of maps provided in Appendix D and as discussed in the final section of this report.]

Understanding the potential health impacts of the emissions requires considering the potential for exposure to each release and the toxicity of each substance. The health implications for a 1 kg release of various NPRI substances can be very different in terms of both the type and severity of impact. Once exposure and toxicity are considered, the priorities for emissions reduction could change substantially.

A comprehensive evaluation of health effects of NPRI emissions is beyond the scope of this report. It requires a complex and resource-intensive process that would require considering each emitted substance separately and using a mathematical model to determine the extent to which emissions contribute to total concentrations in the air. The total air concentrations of each substance would then need to be compared with health benchmarks to determine if there is a risk to health, and to describe the extent of any risk. Even then, it is often difficult to assign health impacts to specific sources. As well, it would be important to consider the population likely to be exposed, including whether there are concentrations of vulnerable people. Toronto Public Health is currently working with the Toronto Environment Office to pilot a complex air emissions modelling study in South Riverdale and the Beach that addresses many of these types of issues.

However, in the absence of a comprehensive health assessment, the use of health-based measures, such as Toxicity Equivalence Potential (TEP), can provide alternate measurement and assessment techniques. TEP is a ranking scheme that uses estimates of the amount of a substance released, the potential for human exposure, and the toxicity of

the substance to calculate a relative risk score for each substance. More information about this approach can be found in Toronto Public Health's report "Process to Identify Priority Substances of Health Concern for Enhanced Environmental Reporting" at http://www.toronto.ca/health/hphe/pdf/aei_bohreport_techreport_finaljuly3.pdf. The following section illustrates the use of TEP ranking.

Health Impacts and Releases to Air

While dozens of substances are reported to be emitted to air in Toronto, it is easiest to illustrate the need to consider health information using a shorter list. Under Toronto's new Environmental Reporting Disclosure and Innovation (ERDI) program, small and medium-sized facilities will be required to report on 25 substances. These substances were chosen because they are of priority concern for health in Toronto. The Medical Officer of Health is concerned about the long-term, combined health risk from thousands of facilities in Toronto using and releasing these substances, often within or close to residential neighbourhoods. The most common way people are exposed is through the air, and most of the priority substances are present in our air at levels that are of concern to health.

Using mass as an indicator, the NPRI releases to air of these 25 substances decreased by more than 22% between 2005 and 2007. The most significant decrease in a priority substance has been in the release to air of dichloromethane, which has decreased by more than 20 times between 2005 and 2007 from 67 tonnes to 3.2 tonnes. Trichloroethylene, lead, total VOCs and cadmium have also had significant reductions from 2005 to 2007.

As shown in Table 12, while most reported emissions of the Priority Substances decreased between 2005 and 2007 several substances have increased including: acetaldehyde, chromium, tetrachloroethylene and benzene.

A difficulty with using NPRI data is also illustrated by Table 12: some substances appear not to be emitted. Although emissions of some substances appear to be zero in Table 12, Toronto Public Health previously identified them in Toronto's air. This occurs because NPRI only includes emissions from large facilities, and only if the emissions are above a certain threshold. These substances may be released by smaller businesses, vehicles, homes, or present due to transboundary air pollution.

However, reductions in total emissions mass are not conclusive evidence of an overall health benefit.

Table 12: TPH Priority Substances Releases to Air (2003-2007) in Tonnes

	2003	2004	2005	2006	2007
Total VOCs	8,620	8,896	8,940	7,361	7,102
Oxides of nitrogen	1,848	2,130	2,069	1,665	1,527
PM25	523	585	591	496	454
Formaldehyde	21.9	15.4	16.4	18.4	15.8
Acetaldehyde	0.00	12.7	11.6	14.0	14.9
Dichloromethane	135	127.8	67.0	39.0	3.19
Chromium	0.32	0.05	1.15	0.39	2.94
Tetrachloroethylene	0.30	0.35	0.30	0.42	0.40
Manganese	0.13	0.33	0.24	0.21	0.37
Trichloroethylene	29.5	0.77	0.83	0.36	0.34
Lead	0.49	0.41	0.43	0.46	0.19
Benzene	0.10	0.09	0.10	0.19	0.16
Nickel	0.40	0.01	0.24	0.02	0.13
Mercury	0.01	0.01	0.01	0.00	0.01
Cadmium	0.01	0.02	0.02	0.01	0.01
Acrolein	0.00	0.00	0.00	0.00	0.00
1 3 Butadiene	0.00	0.00	0.00	0.00	0.00
Carbon tetrachloride	0.00	0.00	0.00	0.00	0.00
Chloroform	0.00	0.00	0.00	0.00	0.00
Chloromethane	0.00	0.00	0.00	0.00	0.00
1 4 Dichlorobenzene	0.00	0.00	0.00	0.00	0.00
1 2 Dichloroethane	0.00	0.00	0.00	0.00	0.00
PAHs	0.00	0.00	0.00	0.00	0.00
Vinyl chloride	0.00	0.00	0.00	0.00	0.00
Ethylene Dibromide	0.00	0.00	0.00	0.00	0.00
TOTAL	11,179	11,769	11,699	9,595	9,122

TPH applied the TEP ranking scheme to the reported emissions for 2007 to illustrate the importance of considering factors such as toxicity, rather than just mass, when evaluating the potential for emitted pollutants to cause harm to health. This method is designed to illustrate how perceptions of relative health risk may change after considering just one important factor: toxicity. It is not intended to estimate absolute health risk or assess the acceptability of health risk from any particular substance.

Table 13 shows the results. The first column orders the substances based on emissions reported, with the top substance being the one associated with the most mass. The second column ranks carcinogens in order of risk to health based on both toxicity and emissions, with the top substance being the carcinogen of greatest concern. This second column includes fewer substances because not all of the 25 substances are linked to developing cancer. The third column ranks noncarcinogens in order of risk to health based on both toxicity and emissions, with the top substance being the noncarcinogen of greatest concern. Noncarcinogens are linked with a variety of different health effects, including effects on the nervous, cardiovascular, and reproductive systems.

Table 13: Illustrating how considering toxicity can change perceptions of health risk associated with reported emissions (based on air emissions reported for 2007)

Rank	Based on mass emitted	Based on mass emitted and TEP ¹ for substances linked to cancer	Based on mass emitted and TEP ¹ for substances linked to non-cancer health effects
1	Total VOCs	Chromium	Lead
2	Oxides of nitrogen	Cadmium	Mercury
3	Toluene	Lead	Cadmium
4	PM _{2.5}	Dichloromethane	Chromium
5	Formaldehyde	Tetrachloroethylene	PM _{2.5}
6	Acetaldehyde	Nickel	Total VOCs ²
7	Dichloromethane	Formaldehyde	Oxides of nitrogen
8	Chromium	Benzene	Toluene
9	Tetrachloroethylene	Acetaldehyde	Nickel
10	Manganese	Trichloroethylene	Manganese
11	Trichloroethylene	<i>Remaining substances are not linked to developing cancer</i>	Formaldehyde
12	Lead		Acetaldehyde
13	Benzene		Tetrachloroethylene
14	Nickel		Dichloromethane
15	Mercury		Benzene
16	Cadmium		Cadmium

Table 13 shows that when toxicity and potential exposure are considered, priorities for emissions reduction and pollution prevention are different from those based on a mass-only approach. For example, very small amounts of metals such as cadmium, chromium, lead, and mercury are emitted. However, they are much more toxic than substances like oxides of nitrogen and toluene, so they rise to the top of the priority list when more importance is placed on toxicity. As well, since emissions are only reported to the NPRI once they reach a certain threshold, there may be emissions of substances in Toronto that are not ranked, but which would be higher priority if the amounts were known.

Taking exposure potential and toxicity into account, Table 13 highlights potential concerns associated with the increases in chromium emissions. Further investigation would be required to identify whether these emissions lead to a health risk in Toronto. Such an investigation could examine factors such as the source of the emissions, actual concentrations in the air and how they compare to health benchmarks such as provincial standards, and whether people live nearby.

Health Impacts and Releases to Water

Emissions to water are different than emissions to air, because Toronto's wastewater treatment plants receive the collective emissions from almost all sources in the watershed – including homes and businesses - and treat the water to regulated levels before releasing it back into the environment. In addition, water that is supplied through the

¹ Toxicity Equivalence Potential (TEP) accounts for toxicity and potential for exposure to emissions. Substances linked to Cancer have different TEP values than those linked to noncancer health outcomes

² This ranking is based on the VOC toluene, which is often used as an indicator for VOC mixtures

City's distribution system has been treated to fully comply with the Ontario Drinking Water Standards, which are designed to reduce health risks to an acceptable level.

In contrast, each NPRI facility that emits air pollution must meet standards specific to its facility only, there are many sources of air pollution which are not included in NPRI, and there is no mechanism to reduce the total level of pollution in ambient air to a predetermined level before people breathe it in.

Applying the TEP approach to the reported waterborne emissions illustrates once again that using mass emitted as a basis for estimating health risk can be misleading. Table 14 suggests that the two substances that are released in the greatest quantities, nitrate ion and ammonia, are among the least toxic on the list.

Figures 7a-7c seem to show that the releases of metals such as cadmium and mercury were minute compared to emissions of nitrate ion and ammonia. However, Table 14 reflects current understanding that even at low levels, heavy metals are relatively much more toxic compared to many substances.

As explained previously, the TEP method is designed to illustrate how perceptions of **relative** health risk may change after considering toxicity. It is not intended to imply that an absolute health risk exists or to assess the acceptability of health risk from any particular substance.

Table 14: Illustrating how considering toxicity can change perceptions of health risk associated with reported emissions (based on water emissions reported for 2007)

Rank	Based on mass emitted	Based on mass emitted and TEP ³ for substances linked to cancer	Based on mass emitted and TEP ² for substances linked to non-cancer health effects
1	Nitrate ion in solution at pH >= 6.0	Cadmium (and its compounds)	Copper (and its compounds)
2	Ammonia (Total)	Arsenic (and its compounds)	Mercury (and its compounds)
3	Phosphorus (total)	Lead (and its compounds)	Lead (and its compounds)
4	Zinc (and its compounds)	<i>Remaining substances are not linked to developing cancer</i>	Cadmium (and its compounds)
5	Copper (and its compounds)		Nitrate ion in solution at pH >= 6.0
6	Lead (and its compounds)		Phosphorus (total)
7	Cadmium (and its compounds)		Arsenic (and its compounds)
8	Arsenic (and its compounds)		Zinc (and its compounds)
9	Mercury (and its compounds)		Ammonia (Total)

³ Toxicity Equivalence Potential (TEP) accounts for toxicity and potential for exposure to emissions. Substances linked to Cancer have different TEP values than those linked to noncancer health outcomes

Public Disclosure in Toronto

Public access to pollution data supports awareness, facilitates relationships between businesses and their community, and helps guide government policies. Environment Canada provides public access to NPRI data via a searchable website and annual summary reports.

Toronto's new ERDI program will fill an important gap in the reporting and disclosure of information about pollution emissions by including access to data on small and medium-sized facilities.

In the future, combining information from NPRI and ERDI will provide more information about pollution releases in Toronto. For example, it appears as though some substances listed in Table 4 were not released in Toronto. In fact, these substances were released in the City – but at quantities less than the reporting thresholds designated by NPRI. They are likely released by businesses and facilities that are too small to be required to report to NPRI. Once the new ERDI program is in place, more information will be available about the use and sources of these substances in the community.

Data collected from the ERDI program may provide better information about local exposures. Releases from tall stacks which are typical at large facilities normally continue to rise, disperse and dilute. Consequently, a release from ground level is more likely to attain higher ground level concentrations than a release from a greater height. The future data gained under the ERDI By-Law is likely to include far more ground level releases than is presently captured under the present NPRI protocols.

The public will be able to access the ERDI data collected through a searchable website. The public will be able to search by facility, chemical or neighbourhood. The information will also be displayed in maps and tables. Additionally, health and environmental information about the substances and statements from facilities about their environmental programs will be included. This database will be available to the public by January 2012.

With sufficient resources, it may be possible to supplement the reported data with a comprehensive health-based interpretation which will address both toxicity and population exposure and overcomes the limitations of mass-based data.

Pollution Prevention Activities in Toronto

Pollution prevention refers to the use of processes and practices that minimize the creation of pollution or waste. Pollution prevention is more environmentally sustainable and economically beneficial than end-of-pipe measures that control pollution once it has been created. Pollution prevention strategies for facilities using chemicals include replacing a hazardous substance with a less-toxic (and potentially non-reportable) alternatives, adjusting processes to use chemicals more efficiently and recycling rather

than disposing. These strategies typically involve some up-front investments but result in ongoing cost savings.

The City's Sewer Use By-law includes mandatory pollution prevention planning requirements and reduced limits on waste discharges. Certain business sectors must complete a Pollution Prevention (P2) Plan and submit it to the City of Toronto. The Plan identifies ways to avoid, reduce or eliminate the creation of certain pollutants at source.

Reporting programs like the NPRI and Toronto's new ERDI program can stimulate pollution prevention in Toronto. Research demonstrates that when companies are required to track and report chemicals, many begin to find ways to reduce chemical use.

For example, a Toronto company that has achieved success with pollution prevention is Teknion. Teknion designs, manufactures and markets office systems and related office furniture products, with three manufacturing facilities in Toronto. Teknion has replaced their use of oil-based adhesives and stains with water-based products, which emit no volatile organic compounds (VOCs). Furthermore, they now ensure the proper capture and disposal of potentially harmful substances in their facilities, all hazardous liquids are sent offsite for recycling and safe disposal, and dust produced in the process is collected at source.

Another company with a facility in Toronto that reports to NPRI and has achieved success with pollution prevention is the Metro Label Company, which produces pressure-sensitive labels using a wide variety of processes. Metro Label has undertaken to reduce chemical use by eliminating the use of toluene (a solvent) used in its washing process, by utilizing ultraviolet light inks, and by extracting the chemicals that accumulate in their "clean-up rags" and reusing or recycling those rags.

Spatial Distribution of Releases in Toronto

Spatial data can lead a viewer to draw conclusions that are, or may not be, warranted depending on how it is assembled, identified and depicted. The same data assembled, identified and depicted in different ways can lead viewers to different conclusions. Care has been taken not to lead a viewer to erroneous conclusions - the appended maps portray the reality in as non-judgemental a manner as possible, but they also reveal information that does tell a story.

Map 1: Releases to Lake Ontario from City Government Wastewater Treatment Plants in 2007

Map 1 shows the contribution from each of the four City sewersheds to Lake Ontario and the Don River via the treatment processes of the City's four wastewater treatment plants. The releases from the wastewater treatment plants are, in effect, the treated cumulative releases from all residential, commercial, industrial and institutional sources that are connected to the City's sewer system.

The contribution to the lake from the area of south west Etobicoke which is directed to, and treated by, the Lakeview Waste Water Treatment Plant in Mississauga, is not included in this map of distribution. There is also an area of north Mississauga near the Toronto Pearson International Airport that is connected to the City's Humber Sewerhed that is not identified on this map.

Map 2: Releases to Air, Water & Land by Ward in Toronto, 2007 (no wastewater treatment plants)

Maps with solid circles show point sources that often overlap or hide smaller sources due to the adopted size of the symbol (i.e., a filled in circle) used to depict source amounts at the source point. The clustering of such overlapping circles gives an apparent concentration of emissions released.

Map 2 clearly shows the relative dominance of the emissions to air over the emissions to land, and shows the relative scale of the total emissions to air by ward. But it also shows a noticeable release to water from a manufacturer of metal plating and coatings as in Ward 35 (Scarborough Southwest). This has not been investigated but would appear to be a release to the City Government's sewer system which would subsequently be treated at Ashbridges Bay Wastewater Treatment Plant.

Map 3: Releases to Air of Reported "Substances" and "CACs" by Ward in Toronto, 2007

Map 3 shows the dominance of released "criteria air contaminants" (CACs) over the reported "Substances". The tonnage emitted is a readily measurable factor and description, but it does not necessarily portray significance (see section on "Estimating Health Impacts Using NPRI Data"). The reported "Substances" are less significant by tonnes released but not necessarily by their associated health impacts.

The CACs (NO_x, SO_x, CO, VOC, PM, PM₁₀, and PM_{2.5}) are represented by a variety of colours, and the reported "Substances" are shown in dark navy. PM, PM₁₀, and PM_{2.5} are all included but are not double counted in this map or elsewhere in this report. This has been achieved by adapting the standard definitions to the following: PM = PM_> PM₁₀, and PM₁₀ = PM₁₀ > PM_{2.5}.]

Map 4: Releases to Air, Water & Land Standardized by Ward Area in Toronto, 2007 (no wastewater treatment plants)

Maps with shaded areas are choropleth maps of data that should always be standardized (a.k.a. normalized) by land area. The need for standardization is because the varying size of areas and their mapped values will falsely alter the impression of the distribution if shown in non standardized depictions. Standardization (of emissions released per square kilometre) is necessary to account for the range of land area sizes of among the City's wards.

For example, if the same set amount of a substance were emitted in both a very small area and in a very large area and was not standardized, both areas would seem equally polluted, just as if an identical number of people lived in a big area and a small area would have equal populations but unequal population density. The population density or emissions concentration per unit area is only properly represented if standardized as by the area in which it occurs.

Map 4 uses the same underlying data as was used in Map 3, but more clearly shows a preponderance of emissions to air occurring in the western wards of the City than elsewhere.

Map 5: Releases to Air From Reporting 305 Facilities in Toronto, 2007

Maps with hollow circles (i.e., doughnut symbols) show the same information as solid circles (as in Map 2) but allow for smaller sources that are otherwise covered by larger adjacent source points to be better seen.

Map 5 shows individual point sources as scaled to depict tonnage released. The scale resolution, however, is too small to see all such sources clearly and four “close-ups” are provided as in Map 6 to better depict the data.

Map 6: Releases to Air From Reporting Facilities in Four Close-Ups in Toronto, 2007

Map 6 shows close-ups depictions of the information presented in Map 5 for Wards 5 & 6; Wards 1, 2, 7 and 8; Wards 20, 27, 28 and 30; and Wards 41 and 42.

Map 7: Releases for Toronto Public Health’s Identified 25 Toxic Substances By Location of Point Source in Toronto, 2007

Map 7 was created by combining the list of 25 Priority Substances as identified by Toronto Public Health with an extraction of data from the NPRI database of all the reported instances of releases of such toxic substances. The “doughnut” symbol has been adopted again to permit greater recognition of smaller tonnage releases in close proximity to each other.

The Toronto Public Health document “Environmental Reporting and Disclosure: A Proposed Program for the City of Toronto, June 2008” provides information as to the background and development of the list of 25 Priority Substances and provides reference to all related documents (Toronto Public Health, 2008

http://www.toronto.ca/health/hphe/pdf/erd_tech_report_june_2008.pdf)

Map 8: Releases for Toronto Public Health’s Identified 25 Toxic Substances by Tonnes of Each Release in Toronto, 2007

Map 8 is specifically provided to show the data “hidden” within Map 3 because of the preponderance of CACs among the releases to air. There are potentially 347 different

reported “Substances” that could have been identified as emitted in Toronto. But NPRI’s database shows only 107 of these to have been emitted in Toronto. Rather than attempting to depict all 107 of these, only those releases to air that have been recognized by Toronto Public Health as the top 25 most significant of these are presented in Map 10. Even here, the tonnage released of just four substances are clearly more prevalent than the others:- Oxides of Nitrogen (blue), Particulate Matter 2.5 (grey) , Toluene (orange), Acetaldehyde (red) and Formaldehyde (green).

CONCLUSION

This report provides a summary and analysis of submissions by Toronto-based businesses and City government facilities to Environment Canada’s National Pollutant Release Inventory (NPRI) for the years 2006 and 2007.

The analysis has shown that there has been a favourable drop in the release of air pollutants. Similarly, releases of pollutants to water bodies has also decreased. Releases to land in Toronto remain negligible.

Beginning in 2010, Toronto Public Health’s new Environmental Reporting, Disclosure and Innovation (ERDI) program will lead to new data on the use and release of twenty-five priority chemicals to the environment from smaller businesses, which currently do not submit reports to NPRI.

This report has recommended that the Director of the Toronto Environment Office continue to provide annual staff reports regarding NPRI reporting in Toronto and that he also continue to collaborate with Toronto Public Health in the production of future reports.

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ATTACHMENTS

Appendix A: Glossary

Appendix B: Full list of substances and their tonnage emissions to air, water, land for 2006 and 2007

Appendix C: Links to Previous Report

Appendix D: Spatial distribution of releases in Toronto reported to NPRI in 2007

Appendix A: Glossary

ABCCD	Agencies, Boards, Commissions, Corporations and Divisions
Air Toxic	Non Criteria Air Contaminant
CAC	Criteria Air Contaminant
CO	Carbon Monoxide
ERDI	Environmental Reporting, Disclosure and Innovation
GHG	Greenhouse Gas
NH ₃	Ammonia
NO _x	Nitrogen Oxides
NPRI	National Pollution Release Inventory
P2	Pollution Prevention
PAH	Polycyclic Aromatic Hydrocarbon
PM ₁₀	Particulate Matter less than or equal to 10 Microns
PM _{2.5}	Particulate Matter less than or equal to 2.5 Microns
SO _x	Sulphur Oxides
TEO	Toronto Environment Office
TEP	Toxicity Equivalence Potential
TPH	Toronto Public Health
TPM	Total Particulate Matter
VOC	Volatile Organic Compound

Appendix B: Full list of substances and their tonnage emissions to air, water, land for 2006 and 2007

Appendix B-1: Substances Released to All Media (2006 - 2007)

Appendix B-2: Releases to Land, Air and Water by Sector in Tonnes (2006-2007)

Appendix B-3: Releases to Land, Air and Water by Facility in Tonnes (2006-2007)

Appendix B-4: Community Emissions By Ward in Tonnes (2006-2007)

Appendix B-5: Facilities Reporting, Published and Shown With Emissions by NPRI (2005-2007)

Appendix B-1: Substances Released to All Media (2006 - 2007)

Report Year	CAS No.	Substance	Total Air Release	Total Water Release	Total Land Release	Total Releases
2006	100-41-4	Ethylbenzene	15.6	0.0	0.0	15.6
2006	100-42-5	Styrene	83.2	0.0	0.0	83.3
2006	101-68-8	Methylenebis(phenylisocyanate)	0.0	0.0	0.0	0.1
2006	103-23-1	Bis(2-ethylhexyl) adipate	1.1	0.0	0.0	1.1
2006	106-99-0	1,3-Butadiene	0.0	0.0	0.0	0.0
2006	107-13-1	Acrylonitrile	0.1	0.0	0.0	0.1
2006	107-21-1	Ethylene glycol	2.2	0.0	0.0	2.2
2006	108-05-4	Vinyl acetate	4.4	0.0	0.0	4.4
2006	108-10-1	Methyl isobutyl ketone	47.9	0.0	0.0	48.1
2006	108-31-6	Maleic anhydride	0.0	0.0	0.0	0.0
2006	108-88-3	Toluene	547.3	0.0	0.0	548.3
2006	108-95-2	Phenol (and its salts)	15.2	0.0	0.0	15.2
2006	110-54-3	n-Hexane	37.2	0.0	0.0	38.2
2006	110-82-7	Cyclohexane	0.1	0.0	0.0	0.1
2006	11104-93-1	Oxides of nitrogen (expressed as NO ₂)	1,665.1	0.0	0.0	1,665.1
2006	111-42-2	Diethanolamine (and its salts)	17.3	0.0	0.0	17.3
2006	111-76-2	2-Butoxyethanol	67.9	0.0	0.0	67.9
2006	115-07-1	Propylene	1.8	0.0	0.0	1.8
2006	1163-19-5	Decabromodiphenyl oxide	0.0	0.0	0.0	0.0
2006	117-81-7	Bis(2-ethylhexyl) phthalate	0.0	0.0	0.0	0.4
2006	118-74-1	Hexachlorobenzene	0.0	0.0	0.0	0.0
2006	121-44-8	Triethylamine	0.1	0.0	0.0	0.1
2006	122-39-4	Diphenylamine	1.3	0.0	0.0	1.3
2006	123-31-9	Hydroquinone (and its salts)	0.0	0.0	0.0	0.0
2006	127-18-4	Tetrachloroethylene	0.4	0.0	0.0	0.5
2006	128-37-0	2,6-Di-t-butyl-4-methylphenol	2.1	0.0	0.0	2.1
2006	131-11-3	Dimethyl phthalate	0.1	0.0	0.0	0.1
2006	1330-20-7	Xylene (all isomers)	168.7	0.0	0.0	169.2
2006	1332-21-4	Asbestos (friable form)	0.0	0.0	0.0	0.0
2006	1344-28-1	Aluminum oxide (fibrous forms)	0.0	0.0	0.0	0.0
2006	139-13-9	Nitritotriacetic acid (and its salts)	0.0	0.0	0.0	0.1
2006	140-88-5	Ethyl acrylate	0.0	0.0	0.0	0.0
2006	141-32-2	Butyl acrylate	0.2	0.0	0.0	0.2
2006	149-30-4	2-Mercaptobenzothiazole	0.0	0.0	0.0	0.6
2006	1717-00-6	HCFC-141b	1.7	0.0	0.0	1.7
2006	26471-62-5	Toluenediisocyanate (mixed isomers)	0.0	0.0	0.0	0.0
2006	4098-71-9	Isophorone diisocyanate	0.0	0.0	0.0	0.0
2006	50-00-0	Formaldehyde	18.4	0.0	0.0	18.4
2006	5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane)	0.0	0.0	0.0	0.0
2006	569-64-2	C.I. Basic Green 4	0.0	0.0	0.0	0.0
2006	584-84-9	Toluene-2,4-diisocyanate	0.0	0.0	0.0	0.0
2006	612-83-9	3,3'-Dichlorobenzidine dihydrochloride	0.0	0.0	0.0	0.0
2006	630-08-0	Carbon monoxide	1,011.8	0.0	0.0	1,011.8
2006	67-56-1	Methanol	252.6	20.9	0.0	275.9
2006	67-63-0	Isopropyl alcohol	456.3	0.0	0.0	457.4
2006	67-66-3	Chloroform	0.0	0.0	0.0	0.0
2006	71-36-3	n-Butyl alcohol	33.4	0.0	0.0	33.5

Report Year	CAS No.	Substance	Total Air Release	Total Water Release	Total Land Release	Total Releases
2006	71-43-2	Benzene	0.2	0.0	0.0	0.2
2006	7429-90-5	Aluminum (fume or dust)	15.9	0.0	0.0	15.9
2006	7446-09-5	Sulphur dioxide	203.1	0.0	0.0	203.1
2006	74-90-8	Hydrogen cyanide	0.0	0.0	0.0	0.1
2006	75-05-8	Acetonitrile	10.9	0.0	0.0	10.9
2006	75-07-0	Acetaldehyde	14.0	0.0	0.0	14.0
2006	75-09-2	Dichloromethane	39.0	0.0	0.0	39.0
2006	75-21-8	Ethylene oxide	0.0	0.0	0.0	0.6
2006	75-45-6	HCFC-22	7.5	0.0	0.0	7.5
2006	75-68-3	HCFC-142b	75.8	0.0	0.0	75.8
2006	7632-00-0	Sodium nitrite	24.5	0.0	0.0	24.5
2006	7647-01-0	Hydrochloric acid	4.9	0.0	0.0	5.3
2006	7664-39-3	Hydrogen fluoride	0.0	0.0	0.0	0.0
2006	7664-93-9	Sulphuric acid	0.8	0.0	0.0	1.2
2006	7697-37-2	Nitric acid	2.2	0.0	0.0	2.2
2006	7782-50-5	Chlorine	0.0	0.0	0.0	0.0
2006	78-83-1	i-Butyl alcohol	19.3	0.0	0.0	19.3
2006	78-92-2	sec-Butyl alcohol	0.0	0.0	0.0	0.0
2006	78-93-3	Methyl ethyl ketone	305.8	0.0	0.0	306.5
2006	79-01-6	Trichloroethylene	0.4	0.0	0.0	0.5
2006	79-06-1	Acrylamide	0.0	0.0	0.0	0.0
2006	79-10-7	Acrylic acid (and its salts)	0.0	0.0	0.0	0.0
2006	80-05-7	p,p'-Isopropylidenediphenol	0.2	0.0	0.0	0.2
2006	80-62-6	Methyl methacrylate	15.9	0.0	0.0	15.9
2006	84-74-2	Dibutyl phthalate	0.0	0.0	0.0	0.0
2006	85-44-9	Phthalic anhydride	0.1	0.0	0.0	0.1
2006	85-68-7	Butyl benzyl phthalate	0.0	0.0	0.0	0.0
2006	872-50-4	N-Methyl-2-pyrrolidone	8.7	0.0	0.0	8.7
2006	9016-87-9	Polymeric diphenylmethane diisocyanate	0.0	0.0	0.0	0.0
2006	91-08-7	Toluene-2,6-diisocyanate	0.0	0.0	0.0	0.0
2006	91-20-3	Naphthalene	8.4	0.0	0.0	8.4
2006	924-42-5	N-Methylolacrylamide	0.0	0.0	0.0	0.0
2006	94-36-0	Benzoyl peroxide	0.0	0.0	0.0	0.0
2006	95-63-6	1,2,4-Trimethylbenzene	7.8	0.0	0.0	8.0
2006	96-33-3	Methyl acrylate	0.0	0.0	0.0	0.0
2006	98-82-8	Cumene	0.4	0.0	0.0	0.4
2006	989-38-8	C.I. Basic Red 1	0.0	0.0	0.0	0.0
2006	NA - 01	Antimony (and its compounds)	0.0	0.0	0.0	0.0
2006	NA - 02	Arsenic (and its compounds)	0.0	0.2	0.0	0.2
2006	NA - 03	Cadmium (and its compounds)	0.0	0.4	0.0	0.4
2006	NA - 04	Chromium (and its compounds)	0.4	0.0	0.0	0.4
2006	NA - 05	Cobalt (and its compounds)	1.4	0.0	0.0	1.4
2006	NA - 06	Copper (and its compounds)	0.8	8.5	0.0	9.4
2006	NA - 07	Cyanides (ionic)	0.0	0.0	0.0	0.7
2006	NA - 08	Lead (and its compounds)	0.5	4.6	0.0	5.0
2006	NA - 09	Manganese (and its compounds)	0.2	0.0	0.0	0.6
2006	NA - 10	Mercury (and its compounds)	0.0	0.0	0.0	0.0
2006	NA - 11	Nickel (and its compounds)	0.0	0.0	0.0	0.0

Report Year	CAS No.	Substance	Total Air Release	Total Water Release	Total Land Release	Total Releases
2006	NA - 13	Silver (and its compounds)	0.0	0.0	0.0	0.0
2006	NA - 14	Zinc (and its compounds)	3.3	37.7	0.0	43.0
2006	NA - 16	Ammonia (Total)	114.2	7,091.0	0.0	7,205.6
2006	NA - 17	Nitrate ion in solution at pH >= 6.0	0.0	13,957.9	0.0	13,957.9
2006	NA - 19	Hexavalent chromium compounds	0.1	0.0	0.0	0.1
2006	NA - 20	Nonylphenol and its ethoxylates	17.8	0.0	0.0	18.0
2006	NA - 21	Octylphenol and its ethoxylates	0.0	0.0	0.0	0.2
2006	NA - 22	Phosphorus (total)	0.1	320.7	0.0	320.8
2006	NA - D/F	Dioxins and furans	0.0	0.0	0.0	0.0
2006	NA - M08	PM - Total Particulate Matter	150.1	0.0	0.0	150.1
2006	NA - M09	PM10 - Particulate Matter <= 10 Microns	134.2	0.0	0.0	134.2
2006	NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	495.5	0.0	0.0	0.0
2006	NA - M16	Volatile Organic Compounds (VOCs)	7,360.8	0.0	0.0	7,360.8
2007	100-41-4	Ethylbenzene	12.3	0.0	0.0	12.3
2007	100-42-5	Styrene	77.3	0.0	0.0	77.4
2007	101-68-8	Methylenebis(phenylisocyanate)	0.0	0.0	0.0	0.1
2007	103-23-1	Bis(2-ethylhexyl) adipate	0.0	0.0	0.0	0.0
2007	106-99-0	1,3-Butadiene	0.0	0.0	0.0	0.0
2007	107-13-1	Acrylonitrile	0.1	0.0	0.0	0.1
2007	107-21-1	Ethylene glycol	3.0	0.0	0.0	3.0
2007	108-05-4	Vinyl acetate	0.3	0.0	0.0	0.6
2007	108-10-1	Methyl isobutyl ketone	39.8	0.0	0.0	39.8
2007	108-31-6	Maleic anhydride	0.0	0.0	0.0	0.0
2007	108-88-3	Toluene	534.0	0.0	0.0	534.9
2007	110-54-3	n-Hexane	41.6	0.0	0.0	42.8
2007	110-82-7	Cyclohexane	0.1	0.0	0.0	0.1
2007	11104-93-1	Oxides of nitrogen (expressed as NO2)	1,527.0	0.0	0.0	1,527.0
2007	111-42-2	Diethanolamine (and its salts)	15.9	0.0	0.0	15.9
2007	111-76-2	2-Butoxyethanol	45.2	0.0	0.0	45.2
2007	115-07-1	Propylene	1.8	0.0	0.0	1.8
2007	1163-19-5	Decabromodiphenyl oxide	0.0	0.0	0.0	0.0
2007	117-81-7	Bis(2-ethylhexyl) phthalate	0.0	0.0	0.0	0.2
2007	118-74-1	Hexachlorobenzene	0.0	0.0	0.0	0.0
2007	121-44-8	Triethylamine	0.0	0.0	0.0	0.0
2007	122-39-4	Diphenylamine	0.2	0.0	0.0	0.2
2007	123-31-9	Hydroquinone (and its salts)	0.0	0.0	0.0	0.0
2007	127-18-4	Tetrachloroethylene	0.4	0.0	0.0	0.5
2007	128-37-0	2,6-Di-t-butyl-4-methylphenol	2.1	0.0	0.0	2.1
2007	131-11-3	Dimethyl phthalate	0.1	0.0	0.0	0.1
2007	1330-20-7	Xylene (all isomers)	170.2	0.0	0.0	171.5
2007	1332-21-4	Asbestos (friable form)	0.0	0.0	0.0	0.0
2007	1344-28-1	Aluminum oxide (fibrous forms)	0.0	0.0	0.0	0.2
2007	139-13-9	Nitrotriacetic acid (and its salts)	0.0	0.0	0.0	0.1
2007	140-88-5	Ethyl acrylate	0.1	0.0	0.0	0.1
2007	141-32-2	Butyl acrylate	0.4	0.0	0.0	0.4
2007	149-30-4	2-Mercaptobenzothiazole	0.0	0.0	0.0	0.8
2007	1717-00-6	HCFC-141b	1.3	0.0	0.0	1.3

Report Year	CAS No.	Substance	Total Air Release	Total Water Release	Total Land Release	Total Releases
2007	26471-62-5	Toluenediisocyanate (mixed isomers)	0.0	0.0	0.0	0.0
2007	4098-71-9	Isophorone diisocyanate	0.0	0.0	0.0	0.0
2007	50-00-0	Formaldehyde	15.8	0.0	0.0	15.9
2007	5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane)	0.0	0.0	0.0	0.0
2007	569-64-2	C.I. Basic Green 4	0.0	0.0	0.0	0.0
2007	584-84-9	Toluene-2,4-diisocyanate	0.0	0.0	0.0	0.0
2007	612-83-9	3,3'-Dichlorobenzidine dihydrochloride	0.0	0.0	0.0	0.0
2007	630-08-0	Carbon monoxide	869.8	0.0	0.0	869.8
2007	67-56-1	Methanol	296.2	19.0	0.0	316.7
2007	67-63-0	Isopropyl alcohol	370.9	0.0	0.0	372.1
2007	67-66-3	Chloroform	0.0	0.0	0.0	0.0
2007	71-36-3	n-Butyl alcohol	31.0	0.0	0.0	31.1
2007	71-43-2	Benzene	0.2	0.0	0.0	0.2
2007	7429-90-5	Aluminum (fume or dust)	5.8	0.0	0.0	5.8
2007	7446-09-5	Sulphur dioxide	189.1	0.0	0.0	189.1
2007	74-90-8	Hydrogen cyanide	0.0	0.0	0.0	0.2
2007	75-05-8	Acetonitrile	25.1	0.0	0.0	25.1
2007	75-07-0	Acetaldehyde	14.9	0.0	0.0	14.9
2007	75-09-2	Dichloromethane	3.2	0.0	0.0	3.3
2007	75-21-8	Ethylene oxide	0.0	0.0	0.0	0.5
2007	75-45-6	HCFC-22	12.3	0.0	0.0	12.3
2007	75-68-3	HCFC-142b	81.4	0.0	0.0	81.4
2007	7632-00-0	Sodium nitrite	15.7	0.0	0.0	15.7
2007	7647-01-0	Hydrochloric acid	2.3	0.0	0.0	3.4
2007	7664-39-3	Hydrogen fluoride	0.0	0.0	0.0	0.0
2007	7664-93-9	Sulphuric acid	1.0	0.0	0.0	1.4
2007	7697-37-2	Nitric acid	2.0	0.0	0.0	2.0
2007	7782-50-5	Chlorine	0.0	0.0	0.0	0.0
2007	78-83-1	i-Butyl alcohol	17.9	0.0	0.0	17.9
2007	78-92-2	sec-Butyl alcohol	0.0	0.0	0.0	0.0
2007	78-93-3	Methyl ethyl ketone	291.2	0.0	0.0	291.7
2007	79-01-6	Trichloroethylene	0.3	0.0	0.0	0.4
2007	79-06-1	Acrylamide	0.0	0.0	0.0	0.0
2007	79-10-7	Acrylic acid (and its salts)	0.0	0.0	0.0	0.0
2007	80-05-7	p,p'-Isopropylidenediphenol	0.1	0.0	0.0	0.1
2007	80-62-6	Methyl methacrylate	17.4	0.0	0.0	17.4
2007	84-74-2	Dibutyl phthalate	0.0	0.0	0.0	0.0
2007	85-68-7	Butyl benzyl phthalate	0.0	0.0	0.0	0.0
2007	86-73-7	Fluorene	0.0	0.0	0.0	0.0
2007	872-50-4	N-Methyl-2-pyrrolidone	0.9	0.0	0.0	0.9
2007	9016-87-9	Polymeric diphenylmethane diisocyanate	0.0	0.0	0.0	0.0
2007	91-08-7	Toluene-2,6-diisocyanate	0.0	0.0	0.0	0.0
2007	91-20-3	Naphthalene	0.0	0.0	0.0	0.0
2007	924-42-5	N-Methylolacrylamide	0.0	0.0	0.0	0.0
2007	94-36-0	Benzoyl peroxide	0.0	0.0	0.0	0.0
2007	95-63-6	1,2,4-Trimethylbenzene	3.6	0.0	0.0	3.7
2007	96-33-3	Methyl acrylate	0.0	0.0	0.0	0.0

Report Year	CAS No.	Substance	Total Air Release	Total Water Release	Total Land Release	Total Releases
2007	98-82-8	Cumene	0.1	0.0	0.0	0.1
2007	989-38-8	C.I. Basic Red 1	0.0	0.0	0.0	0.0
2007	NA - 01	Antimony (and its compounds)	0.0	0.0	0.0	0.0
2007	NA - 02	Arsenic (and its compounds)	0.0	0.1	0.0	0.1
2007	NA - 03	Cadmium (and its compounds)	0.0	0.3	0.0	0.3
2007	NA - 04	Chromium (and its compounds)	2.9	0.0	0.0	2.9
2007	NA - 05	Cobalt (and its compounds)	1.2	0.0	0.0	1.2
2007	NA - 06	Copper (and its compounds)	0.3	12.1	0.0	12.6
2007	NA - 07	Cyanides (ionic)	0.0	0.0	0.0	0.7
2007	NA - 08	Lead (and its compounds)	0.2	2.0	0.0	2.2
2007	NA - 09	Manganese (and its compounds)	0.4	0.0	0.0	0.6
2007	NA - 10	Mercury (and its compounds)	0.0	0.0	0.0	0.0
2007	NA - 11	Nickel (and its compounds)	0.1	0.0	0.0	0.1
2007	NA - 13	Silver (and its compounds)	0.0	0.0	0.0	0.0
2007	NA - 14	Zinc (and its compounds)	3.3	31.7	0.0	37.0
2007	NA - 16	Ammonia (Total)	110.8	5,644.4	0.0	5,755.6
2007	NA - 17	Nitrate ion in solution at pH >= 6.0	0.0	16,277.8	0.0	16,277.8
2007	NA - 19	Hexavalent chromium compounds	0.1	0.0	0.0	0.1
2007	NA - 20	Nonylphenol and its ethoxylates	17.4	0.0	0.0	17.4
2007	NA - 21	Octylphenol and its ethoxylates	0.0	0.0	0.0	0.1
2007	NA - 22	Phosphorus (total)	0.1	286.1	0.0	286.2
2007	NA - D/F	Dioxins and furans - total	0.0	0.0	0.0	0.0
2007	NA - M08	PM - Total Particulate Matter	225.6	0.0	0.0	225.6
2007	NA - M09	PM10 - Particulate Matter <= 10 Microns	131.3	0.0	0.0	131.3
2007	NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	454.4	0.0	0.0	0.0
2007	NA - M16	Volatile Organic Compounds (VOCs)	7,102.2	0.0	0.0	7,102.2

Appendix B-2: Releases to Land, Air and Water by Sector in Tonnes (2006-2007)

Report Year	Sector	Total Air Release	Total Water Release	Total Land Release	Total Releases
2006	Mining Industries	0.4	0.0	0.0	0.4
2006	Food Industries	963.5	0.0	0.0	963.5
2006	Beverage Industries	117.2	0.0	0.0	117.2
2006	Rubber Products Industries	9.8	0.0	0.0	9.8
2006	Plastic Products Industries	1,563.3	0.0	0.0	1,563.3
2006	Wood Industries	20.9	0.0	0.0	20.9
2006	Furniture and Fixture Industries	703.0	0.1	0.0	703.1
2006	Paper and Allied Products Industries	834.5	0.0	0.0	834.5
2006	Printing, Publishing and Allied Ind.	2,475.6	0.0	0.0	2,475.6
2006	Primary Metal Industries	420.1	0.0	0.0	420.1
2006	Fabricated Metal Products Ind. (Except Machinery and Trans. Equipment Ind.)	687.1	21.0	0.0	708.1
2006	Machinery Industries (Except Electrical Machinery)	11.1	0.0	0.0	11.1
2006	Transportation Equipment Industries	105.5	0.0	0.0	105.5
2006	Electrical and Electronic Products Ind.	64.0	0.0	0.0	64.0
2006	Non-metallic Mineral Products Industries	1,481.6	0.0	0.0	1,481.6
2006	Refined Petroleum and Coal Products Ind.	1,471.4	0.0	0.0	1,471.4
2006	Chemical and Chemical Products Ind.	816.0	0.0	0.0	816.0
2006	Other Manufacturing Industries	644.3	0.0	0.0	644.3
2006	Service Ind. Incidental to Construction	19.3	0.0	0.0	19.3
2006	Storage and Warehousing Industries	3.9	0.0	0.0	3.9
2006	Other Utility Industries	377.5	0.0	0.0	377.5
2006	Petroleum Products Industries, Wholesale	97.6	0.0	0.0	97.6
2006	Metals, Hardware, Plumbing, Heating and Building Materials Industries, Wholesale	0.5	0.0	0.0	0.5
2006	Real Estate Operating Ind. (Except Developers)	7.9	0.0	0.0	7.9
2006	Business Service Industries	20.3	0.0	0.0	20.3
2006	Local Government Service Industries	338.1	21,420.9	0.0	21,759.0
2006	Educational Service Industries	86.6	0.0	0.0	86.6
2006	Health and Social Service Industries	0.0	0.0	0.0	0.0
2006	Other Service Industries	157.8	0.0	0.0	157.8
2007	Mining Industries	0.9	0.0	0.0	0.9
2007	Food Industries	976.6	0.0	0.0	976.6
2007	Beverage Industries	186.2	0.0	0.0	186.2
2007	Rubber Products Industries	1.6	0.0	0.0	1.6
2007	Plastic Products Industries	1,382.6	0.0	0.0	1,382.6
2007	Wood Industries	28.5	0.0	0.0	28.5
2007	Furniture and Fixture Industries	640.7	0.2	0.0	640.9
2007	Paper and Allied Products Industries	825.9	0.0	0.0	825.9
2007	Printing, Publishing and Allied Ind.	2,850.3	0.0	0.0	2,850.3
2007	Primary Metal Industries	441.1	0.0	0.0	441.1
2007	Fabricated Metal Products Ind. (Except Machinery and Trans. Equipment Ind.)	459.4	19.0	0.0	478.4
2007	Machinery Industries (Except Electrical Machinery)	45.8	0.0	0.0	45.8
2007	Transportation Equipment Industries	56.6	0.0	0.0	56.6
2007	Electrical and Electronic Products Ind.	59.0	0.0	0.0	59.0
2007	Non-metallic Mineral Products Industries	1,235.0	0.0	0.0	1,235.0
2007	Refined Petroleum and Coal Products Ind.	1,115.9	0.0	0.0	1,115.9

Report Year	Sector	Total Air Release	Total Water Release	Total Land Release	Total Releases
2007	Chemical and Chemical Products Ind.	796.0	0.0	0.0	779.2
2007	Other Manufacturing Industries	532.7	0.0	0.0	526.7
2007	Storage and Warehousing Industries	0.0	0.0	0.0	0.3
2007	Other Utility Industries	404.0	0.0	0.0	391.8
2007	Petroleum Products Industries, Wholesale	111.0	0.0	0.0	111.3
2007	Motor Vehicle, Parts and Accessories Industries, Wholesale	0.0	0.0	0.0	0.0
2007	Metals, Hardware, Plumbing, Heating and Building Materials Industries, Wholesale	6.3	0.0	0.0	6.4
2007	Other Products and Industries, Wholesale	0.0	0.0	0.0	0.0
2007	Real Estate Operating Ind. (Except Developers)	7.2	0.0	0.0	6.6
2007	Business Service Industries	22.5	0.0	0.0	10.4
2007	Local Government Service Industries	302.8	22,254.4	0.0	22,551.9
2007	Educational Service Industries	92.7	0.0	0.0	91.5
2007	Other Service Industries	210.3	0.0	0.0	210.1

Appendix B-3: Releases to Land, Air and Water by Facility in Tonnes (2006-2007)

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2006	O-I Canada Corp.	Plant #30 Toronto	777 Kipling Avenue	300	809.814	0.000	0.000
2006	CROMPTON COMPANY/CIE	West Hill	10 Chemical Crt.	78	793.450	0.000	0.000
2006	ALCAN Packaging	Arrow Road	130 Arrow Road	170	729.541	0.000	0.000
2006	Hymopack Ltd.	Hymopack Ltd.	41 Medulla Avenue	180	692.747	0.000	0.000
2006	Owens Corning Insulating Systems Canada LP	Toronto Plant	3450 McNicoll Ave.	165	533.915	0.000	0.000
2006	QUEBECOR WORLD	Quebecor World Islington	2250 Islington Avenue	400	480.597	0.000	0.000
2006	Atlantic Packaging Products Ltd.	Gran Packaging	255 Brimley Rd	50	366.396	0.000	0.000
2006	INDALLOY	N/A	7 ALLOY CRT	70	345.741	0.000	0.000
2006	Mundet Canada	Scarborough Plant	210 Midwest Road	51	338.836	0.000	0.000
2006	THE INTERNATIONAL GROUP INC	Agincourt Plant	50 Salome Drive	180	300.561	0.000	0.000
2006	JACOBS & THOMPSON	JACOBS & THOMPSON INC.	85-89 KENHAR DR	124	294.267	0.000	0.000
2006	CROWN METAL PACKAGING CANADA LP	CROWN METAL PACKAGING CANADA LP - PLT. 245	21 Fenmar Drive	140	293.276	0.000	0.000
2006	Allied-Halo Industries Inc	Allied-Halo	341-345 NANTUCKET BLVD	48	285.864	0.000	0.000
2006	Fleetwood Fine Furniture LP	N/A	75 BROWNS LINE	198	283.077	0.000	0.000
2006	ENWAVE DISTRICT ENERGY	Walton Street Steam Plant	95 Walton Street	14	258.800	0.000	0.000
2006	CITY OF TORONTO	Highland Creek Treatment Plant	51 Beechgrove Drive	58	253.158	4,765.634	0.000
2006	Blue Mountain Wallcoverings	Blue Mountain Wallcoverings	15 Akron Road	100	215.268	0.000	0.000
2006	Redpath Sugar Ltd (former Tate & Lyle Canada)	Toronto Refinery	95 Queens Quay East	280	214.612	0.000	0.000
2006	CANROOF	CRC Toronto	560 Commissioners Street	106	200.005	0.000	0.000
2006	VULCAN CONTAINERS	STEEL PAILS AND METAL DECORATING LTD	15 Bethridge Road	50	196.080	0.000	0.000
2006	Weston Bakeries Limited	Weston Bakeries Toronto	462 Eastern Ave	129	190.740	0.000	0.000
2006	Wallcrown Limited	Wallcrown	88 Ronson Drive	20	186.983	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2006	KNOLL NORTH AMERICA	Main Plant	1000 Arrow Road	1160	163.023	0.000	0.000
2006	GLOBAL UPHOLSTERY	GLOBAL UPHOLSTERY	560 Supertest Road	1500	154.760	0.000	0.000
2006	CASTROL CANADA	CASTROL CANADA - TORONTO, ONTARIO	3660 LAKE SHORE BLVD W	60	139.582	0.000	0.000
2006	Irving Tissue	Weston Site	1551 Weston Rd	440	130.460	0.000	0.000
2006	COLWELL/CANADA CORP.	COLWELL/CANADA CORP.	30 Tempo Avenue	41	128.344	0.000	0.000
2006	Chemtura Canada Co./Cie	Upton Road	36 Upton Road	9	126.031	0.000	0.000
2006	MIROLIN INDUSTRIES	Mirolin	200 NORSEMAN STREET	300	122.536	0.000	0.000
2006	KRAFT CANADA	Lakeshore Bakery	2150 Lake Shore Blvd. West	1200	120.419	0.000	0.000
2006	ENWAVE DISTRICT ENERGY	Pearl Street Steam Plant	120 Pearl Street	13	118.700	0.000	0.000
2006	CANADA BREAD	Canada Bread Fraser	2 FRASER Avenue	160	118.169	0.000	0.000
2006	Molson Canada	Toronto Brewery	1 Carlingview Drive	800	117.232	0.000	0.000
2006	UNIVERSAL DRUM RECONDITIONING	UNIVERSAL DRUM (TORONTO) - 110 GLEN SCARLETT RD.	110 Glen Scarlett Road	38	105.435	0.000	0.000
2006	Dextran Products Limited	DEXTRAN PRODUCTS LIMITED	421 Comstock Road	25	98.500	0.000	0.000
2006	St. Joseph Printing	ST. JOSEPH THORN PRESS	135 Railside Road	95	95.843	0.000	0.000
2006	APOTEX INC	150 SIGNET MANUFACTURING SITE	150 Signet Drive	1026	95.600	0.000	0.000
2006	Amvic Building Systems	McNicoll	501 McNicoll Avenue	34	94.688	0.000	0.000
2006	Independent Mirror Industries	N/A	250 Brockport Drive	90	93.978	0.000	0.000
2006	CASCADES CANADA Inc.	Cascades Boxboard Group Toronto Mill	495 COMMISSIONERS ST.	160	93.383	0.000	0.000
2006	FPC Flexible Packaging Corp	FPC FLEXIBLE PACKAGING CORP	1891 Eglinton Ave. E.	120	93.337	0.000	0.000
2006	VACUUM METALLIZING LIMITED	VACUUM METALLIZING LIMITED	30 DOVEDALE CRT	50	90.670	0.000	0.000
2006	CKF Inc.	Rexdale plant	30 Iron St.	160	88.000	0.000	0.000
2006	TALMOLDER	TALMOLDER INC.	325 LIMESTONE CRES	80	87.682	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2006	Dow Chemical Canada Inc.	Dow Chemical Canada Inc. - Weston	122 Arrow Road	28	86.300	0.000	0.000
2006	CITY OF TORONTO	Ashbridges Bay Treatment Plant	9 Leslie Street	168	84.968	13,679.710	0.000
2006	York University	Keele Campus	4700 KEELE Street	8400	84.100	0.000	0.000
2006	Atlantic Packaging Products Ltd.	111 Progress	111 Progress Ave	500	71.840	0.000	0.000
2006	BECKER INDUSTRIAL COATINGS	BECKER INDUSTRIAL COATINGS	30 BETHRIDGE Road	19	71.261	0.000	0.000
2006	NATIONAL SILICATES PARTNERSHIP	Toronto	429 Kipling Ave	23	71.220	0.000	0.000
2006	Cognis Oleochemicals Canada Limited	Toronto Plant	425. Kipling Avenue	75	67.103	0.000	0.000
2006	D.A. STUART	D.A. STUART INC.	43 Upton Road	48	66.367	0.000	0.000
2006	D. CRUPI & SONS	PASSMORE PLANT	85 PASSMORE Avenue	4	61.523	0.000	0.000
2006	BRAZILIAN CANADIAN COFFEE	BRAZILIAN CANADIAN COFFEE CO. LTD.	1260 MARTIN GROVE Road	40	60.660	0.000	0.000
2006	ATLAS ROOFING	ATLAS ROOFING CORP	55 Akron Road	35	59.900	0.000	0.000
2006	VALSPAR INCORPORATED	Toronto Plant	645 Coronation Drive	86	57.320	0.000	0.000
2006	Metro Label Company Ltd.	Metro Label Company Ltd.	999 Progress Avenue	160	56.340	0.000	0.000
2006	Campbell Company of Canada - Toronto	PLANT 051 - Toronto	60 Birmingham Street	675	55.089	0.000	0.000
2006	Chrysler Canada Corporation	Etobicoke Casting Plant	15 BROWNS LINE	400	54.230	0.000	0.000
2006	G & K Services Canada Inc	G & K Services Canada Inc	940 Warden Avenue	160	52.373	0.000	0.000
2006	Sanofi Pasteur Limited	Connaught Campus	1755 Steeles Avenue West	1000	49.400	0.000	0.000
2006	ANTI FRICTION ENTERPRISES	ANTI FRICTION ENTERPRISES LTD. PLANT 1	402 ATTWELL DRIVE	14	48.475	0.000	0.000
2006	Canada Bread	Rakely	35 Rakely Crt.	210	48.258	0.000	0.000
2006	Imperial Oil	FINCH DISTRIBUTION TERMINAL	1150 Finch Ave W.	11	47.043	0.000	0.000
2006	SICO	SICO #4 PRILCO	120 TWENTY FOURTH ST	44	46.208	0.000	0.000
2006	PROFILE INDUSTRIES	PROFILE INDUSTRIES	201 GARYRAY Drive	280	45.400	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
		INC.					
2006	RPM Canada Company, Tremco Canada Division	TORONTO	220 Wicksteed Ave.	235	40.361	0.000	0.000
2006	CANADA BREAD	Central Bakery	130 CAWTHRA Avenue	132	38.809	0.000	0.000
2006	L&M Precision Products Inc.	L&M Precision Products Inc.	140-150 MILVAN DR	118	37.886	0.000	0.000
2006	Bombardier inc.	Toronto Site	123 Garratt Blvd.	4000	36.818	0.000	0.000
2006	Sonnenberg Industries	Craftwood	191 Finchdene Square	136	36.702	0.000	0.000
2006	CORETEC	Ellesmere Facility	2020 Ellesmere Road	305	35.983	0.000	0.000
2006	APOTEX ETOBICOKE	APOTEX ETOBICOKE	55 Steinway Blvd.	907	32.910	0.000	0.000
2006	SHOREWOOD OF CANADA	SHOREWOOD PACKAGING OF CANADA	2220 Midland Ave.	398	32.307	0.000	0.000
2006	West Star Printing Limited	N/A	10 NORTH QUEEN ST	85	31.470	0.000	0.000
2006	BLANCO CANADA	Jutland Road Plant	37 Jutland Road	70	31.316	0.000	0.000
2006	Genpharm ULC	Genpharm ULC - 37 Advance Road Location	37 Advance Road	95	31.039	0.000	0.000
2006	Gazzola Paving Ltd	Gazzola Paving	345 Attwell Dr	11	30.202	0.000	0.000
2006	FOAMCO INDUSTRIES CORPORATION	FOAMCO INDUSTRIES CORPORATION	198 FAIRBANK AVENUE	70	29.863	0.000	0.000
2006	UNILEVER CANADA	Rexdale Plant	195 Belfield Road	165	28.384	0.000	0.000
2006	SHELL CANADA PRODUCTS	Keele Street Terminal	3975 Keele Street	7	26.841	0.000	0.000
2006	Solectron Invotronics	C-MAC INVOTRONICS INC.	365 Passmore Avenue	463	26.659	0.000	0.000
2006	COLLINS & AIKMAN AUTOMOTIVE CANADA COMPANY	Scarborough Plant	165 Milner Avenue	410	25.714	0.000	0.000
2006	Canada Bread	Toronto Bagel	680 STEEPROCK Drive	110	24.233	0.000	0.000
2006	Celliance Corporation	Celliance Toronto	55 GLEN SCARLETT ROAD	60	23.849	0.000	0.000
2006	Precisioneering Ltd	Precisioneering Ltd	303 Nantucket Blvd.	40	23.804	0.000	0.000
2006	SUN MEDIA	The Toronto Sun	333 King Street East	849	23.364	0.000	0.000
2006	TEKNION CANADA	TEKWOOD - A DIVISION OF TEKNION CANADA LIMITED - 2	607 Canarctic Drive	55	23.074	0.000	0.000
2006	SOLO CUP CANADA INC	SOLO CUP CANADA INC.-	2121 Markham Road	390	22.967	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
		SCARBOROUGH					
2006	SUNCOR ENERGY PRODUCTS INC.	Metro Depot	1138 Finch Avenue West	12	22.648	0.000	0.000
2006	Alcoa Ltd	Alcoa Rexdale Packaging	35 City View Drive	165	22.316	0.000	0.000
2006	grafikom	grafikommil	180 Bond Avenue	50	21.883	0.000	0.000
2006	VAN-ROB INC.	NORTH YORK	114 CLAYSON Road	395	21.530	0.000	0.000
2006	LEDA FURNITURE	Plant	350 Clayson Rd.	74	20.850	0.000	0.000
2006	KRAFT CANADA	East York Bakery	5 Bermondsey Road	590	20.208	0.000	0.000
2006	Tower Automotive	Tower Automotive operating as Algoods	158 Sterling Road	150	19.677	0.000	0.000
2006	Durapaint Industries Ltd	Durapaint	247 Finchdene Square	60	19.270	0.000	0.000
2006	FERMAR ASPHALT	Albion Road Plant	1921 Albion Road	11	18.982	0.000	0.000
2006	CELESTICA INTERNATIONAL	CELESTICA TORONTO SITE	844 Don Mills Road	3109	18.582	0.000	0.000
2006	TRANSCONTINENTAL PRINTING	TRANSCONTINENTAL O'KEEFE TORONTO	20-24 PLASTICS AVE	50	18.403	0.000	0.000
2006	Nitta Gelatin Canada, Inc.	Gelatin	60 Paton rd	44	18.290	0.000	0.000
2006	Formglas Inc.	Formglas Inc.	2 Champagne Drive	250	18.153	0.000	0.000
2006	Bowne of Canada	BOWNE OF CANADA	60-74 GERVAIS DR	285	16.897	0.000	0.000
2006	THE FOAM & FIBRE COMPANY	NUGGET AVE	235 NUGGET Avenue	10	16.500	0.000	0.000
2006	CORUS L.P.	CCD	3605 WESTON ROAD	80	16.036	0.000	0.000
2006	Point One Graphics	N/A	14 Vansco Road	84	14.548	0.000	0.000
2006	TRANSCONTINENTAL PRINTING	TRANSCONTINENTAL YORKVILLE-O'KEEFE	8 Tidemore Avenue	250	14.311	0.000	0.000
2006	Samuel Strapping Systems	Scarborough Location	743 Warden Avenue	120	13.952	0.000	0.000
2006	GUARDIAN INDUSTRIES	Guardian Rexdale	355-361 ATTWELL DR	80	13.877	0.000	0.000
2006	CCL Industries Inc.	CCL Label Etobicoke	35 McLachlan Drive	160	12.899	0.000	0.000
2006	Viva Magnetics (Canada) Limited	Finch Avenue facility	5373 Finch Avenue East	211	12.895	0.000	0.000
2006	SHAWCOR LTD	DSG-Canusa	25 BETHRIDGE Road	111	12.801	0.000	0.000
2006	Viva Magnetics (Canada) Limited	Neilson Road facility	1663 Neilson Road	346	12.694	0.000	0.000
2006	GLOBAL CONTRACT	GLOBAL CONTRACT INC.	565 Petrolia Road	423	12.463	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2006	STANLEY MANUFACTURING COMPANY INC.	Stanley Plant	230 Bartley Drive	36	11.873	0.000	0.000
2006	VAN-ROB INC.	SCARBOROUGH	1001 ELLESMERE Road	405	11.690	0.000	0.000
2006	LINCOLN ELECTRIC OF CANADA	LINCOLN ELECTRIC COMPANY OF CANADA	179 WICKSTEED AVE	240	11.119	0.000	0.000
2006	NORAMPAC	Etobicoke Division	450 Evans Ave.	170	10.207	0.000	0.000
2006	Unicell Ltd.	Unicell Ltd.	50 Industrial Street	80	9.282	0.000	0.000
2006	HELMITIN	Toronto Plant	99 Shorncliffe Road	36	8.855	0.000	0.000
2006	Trench Limited	Trench Limited CPD	71 Maybrook Drive	330	8.470	0.000	0.000
2006	EMI RFI SHIELD PLATING	EMIRFI SHIELD PLATING INC.	119-123 MANVILLE RD	75	8.247	20.952	0.000
2006	Multy Industries Inc.	Eco-Trend Ind., Fenmar	400 Fenmar Drive	100	8.170	0.000	0.000
2006	SI Group-Canada, Inc.	Manufacturing Plant	309 Comstock Road	39	7.870	0.000	0.000
2006	100 WYNFORD REIT	BELL DATA CENTRE 100 WYNFORD DRIVE	100 WYNFORD Drive	5	7.865	0.000	0.000
2006	Canadian Custom Packaging Company	Canadian Custom Packaging Company	333 Rimrock Road	66	7.666	0.000	0.000
2006	Pliant Corp. of Canada Ltd.	Toronto Plant	225 BIRMINGHAM STREET	87	7.262	0.000	0.000
2006	Webcom	Webcom Limited	3480 PHARMACY AVE	260	7.194	0.000	0.000
2006	ROHM AND HAAS CANADA LP	WEST HILL PLANT	2 Manse Road	133	7.121	0.000	0.000
2006	Protech Chemicals Ltd	Head office	150 Klondike Drive	120	7.000	0.000	0.000
2006	Cadbury Adams Canada Inc.	Bertrand	40 Bertrand Avenue	400	6.359	0.000	0.000
2006	Club Coffee L.P.	Rexdale Factory	65 Carrier Drive	120	5.241	0.000	0.000
2006	FOAMEX CANADA	Foamex Toronto	415 Evans Avenue	80	4.928	0.000	0.000
2006	CINRAM INTERNATIONAL LIMITED	Cinarm Audio Center	2255 MARKHAM RD	420	4.709	0.000	0.000
2006	Metal Koting	Continuous Colour Coat Ltd.	1430 Martin Grove Rd	143	4.479	0.000	0.000
2006	Deco Automotive	DECO AUTOMOTIVE - REXDALE	225 Claireville Drive	503	4.279	0.000	0.000
2006	Primo Pasta Inc.	Huxley Facility	56 Huxley Road	123	4.147	0.000	0.000
2006	CELANESE CANADA	Weston Terminal	92 Kenhar Drive	2	3.925	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2006	Cosmetica Laboratories Inc.	Cosmetica Laboratories Inc.	1960 Eglinton Ave East	382	3.720	0.000	0.000
2006	INGOT METAL	INGOT METAL COMPANY LIMITED	111 FENMAR DRIVE	42	3.706	0.000	0.000
2006	IBIS PRODUCTS	IBIS PRODUCTS LTD.	17 MUNHAM GT	30	3.653	0.000	0.000
2006	PARMALAT DAIRY & BAKERY INC.	Etobicoke	25 RAKELY CRT	239	3.584	0.000	0.000
2006	Steve's Castings Ltd.	Steve's Castings Ltd.	50-192 SHORTING RD	8	3.130	0.000	0.000
2006	INDUSTRIAL COATINGS	INDUSTRIAL COATINGS CO.	800 Garyray Drive	15	3.094	0.000	0.000
2006	Protech Chemicals (Toronto Branch)	Toronto branch	150 Klondike drive	40	3.000	0.000	0.000
2006	Canada Building Materials	Scarborough, Plant No. 62	65 MAYBROOK Drive	28	2.905	0.000	0.000
2006	QUALITY MEAT PACKERS LTD	QUALITY MEAT PACKERS LTD.	2 TECUMSETH Street	660	2.772	0.000	0.000
2006	Innocon Inc.	Commissioner RMC Plant	535 COMMISSIONERS ST	35	2.752	0.000	0.000
2006	OXFORD PROPETIES GROUP	WATERPARK PLACE - 20 BAY STREET	20 Bay Street	2406	2.737	0.000	0.000
2006	ARVIN MERITOR	ArvinMeritor Ride Control Products	3560 LAKE SHORE BLVD W	480	2.696	0.000	0.000
2006	Innocon Inc.	Wilson Avenue Facility	949 WILSON Avenue	35	2.570	0.000	0.000
2006	Women's College Health Research	Health Research Facility	790 Bay Street	12	2.540	0.000	0.000
2006	BASF Canada	TORONTO SITE	10 Constellation Crt	55	2.440	0.000	0.000
2006	DOMINION COLOUR	New Toronto Plant	199 NEW TORONTO STREET	50	2.387	0.000	0.000
2006	TEMPO AEROSPACE	TEMPO AEROSPACE INC.	205 Fenmar Drive	16	2.379	0.000	0.000
2006	ABCgroup Inc.	INTERIOR SYSTEMS	10 Disco Road	304	2.311	0.000	0.000
2006	OXFORD PROPERTIES GROUP	315 FRONT ST	315 Front Street W	1945	2.246	0.000	0.000
2006	Korex Don Valley ULC	Don Valley Plant	1 SUNLIGHT PARK RD	230	2.216	0.000	0.000
2006	Henry Company Canada Inc	Henry Company Canada Inc Scarborough	15 WALLSEND DR.	68	2.114	0.000	0.000
2006	FLEXTILE	FLEXTILE LTD.	121 THIRTIETH ST	65	2.005	0.000	0.000
2006	GENERAL PAINT	IDEAL PAINT MANUFACTURING PLANT - REXDALE	172 Belfield Rd.	13	1.968	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2006	Sensient Flavors Canada Inc.	Rexdale Facility	110 Vulcan Street	57	1.920	0.000	0.000
2006	UNIVAR CANADA LIMITED	Downsview	777 Supertest Road	23	1.838	0.000	0.000
2006	Innocon Inc.	Lakeshore RMC Plant	450 LAKE SHORE BLVD W	12	1.764	0.000	0.000
2006	777 Bay Street Associates, LP	777 Bay Street	777 Bay Street	3400	1.697	0.000	0.000
2006	Canada Building Materials	Bathurst, Plant No. 08	24 BATHURST ST	35	1.658	0.000	0.000
2006	Oxford Properties Group	120 Adelaide Street West	120 Adelaide Street West	2000	1.541	0.000	0.000
2006	Sanmina-SCI Systems (Canada) Inc.	Sanmina	330 Progress Avenue	800	1.455	0.000	0.000
2006	Dufferin Concrete	Dufferin Concrete, Etobicoke Plant	1185 MARTIN GROVE RD	30	1.450	0.000	0.000
2006	OXFORD PROPERTIES GROUP	1 Adelaide Street East, Financial Place	1 ADELAIDE Street East	2950	1.415	0.000	0.000
2006	OXFORD PROPERTIES GROUP	200 Wellington St W, Metrocentre - AT&T Tower	200 Wellington Street West	1730	1.401	0.000	0.000
2006	Oxford Properties Group	130 Adelaide Street West	130 Adelaide Street West	2000	1.399	0.000	0.000
2006	OXFORD PROPERTIES GROUP	325 Front Street, RBC Data Centre	325 Front Street West	1320	1.338	0.000	0.000
2006	Advanced Car Specialties Ltd.	ADVANCED CAR SPECIALTIES	1865 Birchmount Road	105	1.270	0.000	0.000
2006	OXFORD PROPERTIES GROUP	200 Bay Street	200 BAY Street	7340	1.200	0.000	0.000
2006	Dufferin Concrete	DUFFERIN CONCRETE, SCARBOROUGH PLANT	1940 McCowan Road	20	1.170	0.000	0.000
2006	MARK IV INDUSTRIES	Dayco Canada Corp	46 NORELCO DRIVE	125	1.077	0.000	0.000
2006	BATTENFELD GREASE CANADA	BATTENFELD GREASE CANADA	68 TITAN Road	30	1.042	0.000	0.000
2006	OXFORD PROPERTIES GROUP	10 Bay Street, Waterpark Place	10 Bay Street	1604	0.930	0.000	0.000
2006	OLYMPIC COATERS	OLYMPIC COATERS INC.	354 Humberline Dr	40	0.889	0.000	0.000
2006	OXFORD PROPERTIES GROUP	123 Front Street West, Citibank Place	123 Front Street West	1630	0.881	0.000	0.000
2006	Canada Building Materials	Leaside, Plant No.11	55 INDUSTRIAL Street	19	0.806	0.000	0.000
2006	City View Platers Inc.	City View Platers Inc.	121 City View Drive	20	0.791	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2006	INNOCON INC.	ALBION RMC PLANT	1921 Albion Road	20	0.765	0.000	0.000
2006	AUTOTEK ELECTROPLATING	AUTOTEK ELECTROPLATING	20 Huddersfield Rd.	30	0.757	0.000	0.000
2006	Dufferin Concrete	DUFFERIN CONCRETE, TORONTO PLANT	650 Commissioners Street	25	0.740	0.000	0.000
2006	ACADIAN BARREL FINISHING	ACADIAN BARREL FINISHING	21 Meteor Drive	25	0.734	0.000	0.000
2006	KRAFT CANADA	Scarborough Plant	1440 Birchmount Rd.	85	0.712	0.000	0.000
2006	OXFORD PROPERTIES GROUP	225 King Street West, Metrocentre Sunlife Tower	225 King Street West	1730	0.696	0.000	0.000
2006	Teskey Concrete Company Ltd.	Teskey Concrete Company Ltd.	20 Murray Rd.	52	0.646	0.000	0.000
2006	CBM Ready Mix	Portable Plant 56	650 Commissioners St	2	0.609	0.000	0.000
2006	OXFORD PROPERTIES GROUP	1 University Avenue	1 University Avenue	1295	0.605	0.000	0.000
2006	Canada Building Materials	Rexdale Plant	91 Baywood Rd	24	0.602	0.000	0.000
2006	OXFORD PROPERTIES GROUP	111 Richmond St.	111 Richmond Street West	780	0.581	0.000	0.000
2006	Bilrite Industries	BILRITE INDUSTRIES	170 NORTH QUEEN ST	150	0.579	0.000	0.000
2006	FTG Corporation	FTG Circuits	250 Finchdene Square	199	0.560	0.000	0.000
2006	Oxford Properties Group	85 RICHMOND ST E	85 RICHMOND ST E	500	0.549	0.000	0.000
2006	APCO INDUSTRIES	Plant and Distribution Centre	10 Industrial Street	33	0.536	0.000	0.000
2006	PARKWAY PLACE HOLDINGS	243 CONSUMERS RD.	243 CONSUMERS Road	1285	0.526	0.000	0.000
2006	PARKWAY PLACE HOLDINGS	251 CONSUMERS RD.	251 CONSUMERS Road	920	0.523	0.000	0.000
2006	Bunge Canada	BUNGE CANADA - TORONTO PLANT	30 WESTON Road	72	0.516	0.000	0.000
2006	JOSEPH ROBERTSON FOUNDRIES	JOSEPH ROBERTSON FOUNDRIES LIMITED	24 Milford Avenue	29	0.463	0.000	0.000
2006	D. CRUPI & SONS	Brimley Asphalt Plant	477 BRIMLEY Road	3	0.454	0.000	0.000
2006	D. CRUPI & SONS	Bethridge	176 Bethridge Road	3	0.454	0.000	0.000
2006	AEP CANADA	West Hill Resinite	595 Coronation Drive	82	0.445	0.000	0.000
2006	BLP Bronze International	BLP Bronze - Toronto	44-52 PRINCE	75	0.443	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
			ANDREW PL				
2006	D. CRUPI & SONS	BRIMLEY CRUSHING PLANT	477 BRIMLEY Road	3	0.434	0.000	0.000
2006	ACTIVE METAL FINISHING	ACTIVE METAL FINISHING	43 ADVANCE Road	25	0.424	0.000	0.000
2006	Koch Heat Transfer Canada LP	Koch Heat Transfer Canada LP	4750 Sheppard Ave. East	70	0.386	0.000	0.000
2006	HALLTECH	HALLTECH INC.	465 Coronation Dr.	69	0.376	0.000	0.000
2006	KIK Operating Partnership d/b/a KIK Canada	Plant #2	2000 KIPLING Avenue	364	0.363	0.000	0.000
2006	DeMet's Candy Company	Scarborough	1500 Birchmount Road	217	0.362	0.000	0.000
2006	ABCgroup Inc.	EXTERIOR SYSTEMS	220 Brockport Drive	295	0.239	0.000	0.000
2006	STARPLEX SCIENTIFIC	STARPLEX SCIENTIFIC INC.	50 STEINWAY Boulevard	120	0.232	0.000	0.000
2006	DOVERCOURT ELECTROPLATING	DOVERCOURT ELECTROPLATING CO. LTD.	304 Bridgeland Avenue	12	0.227	0.000	0.000
2006	Nazdar Company	Nazdar Canada	925 Roselawn Ave.	15	0.199	0.000	0.000
2006	Metaplast Circuits Limited	Metaplast - Scarborough	180 Hymus Road	55	0.189	0.000	0.000
2006	D. Crupi & Sons Limited	Bethridge Crushing	176 Bethridge Road	3	0.149	0.000	0.000
2006	PROGRESSIVE ANODIZERS INC.	PROGRESSIVE	41 Crockford Blvd	64	0.144	0.000	0.000
2006	The Canada Metal Company Limited	Toronto Oxide Plant	721 Eastern Avenue	10	0.135	0.000	0.000
2006	Brimac Anodizing (1985) Limited	BRIMAC ANODIZING (1985) LIMITED	542 Kipling Avenue	30	0.115	0.000	0.000
2006	CORETEC	Lawrence Facility	6530 Lawrence Avenue East	25	0.115	0.000	0.000
2006	ALUMICOR	ALUMICOR	33 Racine Road	110	0.100	0.000	0.000
2006	HUNNISETT CHEMICALS	Chemspec	200 Wicksteed Avenue	6	0.093	0.000	0.000
2006	LANDER CANADA	Scarborough Facility	275 Finchdene Square	120	0.075	0.000	0.000
2006	A.T. DESIGNS INSIGNIA	A.T. DESIGNS INSIGNIA	70 PRODUCTION DR.	70	0.059	0.000	0.000
2006	Henkel Canada Corporation	Henkel Surface Technologies	165 Rexdale Blvd	28	0.058	0.000	0.000
2006	STRATAFLEX CANADA	STRATAFLEX CANADA CORPORATION	11 DOHME Avenue	160	0.052	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2006	S&C ELECTRIC CANADA LTD.	S&C ELECTRIC CANADA LTD.	90 Belfield Road	250	0.041	0.000	0.000
2006	Triple M Metal LP	Scarborough	80 Sinnott Road	37	0.038	0.000	0.000
2006	NESTLE CANADA INC.	STERLING ROAD FACTORY	72 STERLING Road	437	0.035	0.000	0.000
2006	HANDY & HARMAN OF CANADA	Rexdale	290 Carlingview Drive	56	0.015	0.000	0.000
2006	HONEYWELL	Scarborough Facility	35 Dynamic Drive	400	0.010	0.000	0.000
2006	Leader Plating on Plastic Ltd	Leader Plating on Plastic Ltd	2 Jody Ave	65	0.007	0.000	0.000
2006	KIK Operating Partnership d/b/a KIK Canada	Plant #1	13 Bethridge Road	333	0.006	0.000	0.000
2006	STACKPOLE LTD	Stackpole Limited - Pump Components Division	550 Evans Avenue	189	0.005	0.000	0.000
2006	WOOD WYANT CANADA INC.	WYANT CHEMICALS	440 Passmore Avenue	4	0.005	0.000	0.000
2006	Arts Metal Finish Ltd.	N/A	555 Canarctic Drive	20	0.004	0.000	0.000
2006	ARDAVEN PLATERS	ARDAVEN PLATERS	11 Carson Street	25	0.002	0.000	0.000
2006	Roto-Form	Roto-Form	175 Claireville Drive	207	0.002	0.000	0.000
2006	KOBAY TOOL & STAMPING INC.	KOBAY TOOL & STAMPING INC.	125 NASHDENE ROAD, UNIT 6	120	0.002	0.000	0.000
2006	Ergotech a div of TK Canada Ltd	Ergotech	851 MIDDLEFIELD ROAD	53	0.001	0.000	0.000
2006	VITAFOAM PRODUCTS CANADA LTD	Toronto	150 Toro Road,	120	0.001	0.000	0.000
2006	TEKNION FURNITURE SYSTEMS	Alness Box Plant	1250 ALNESS Street	125	0.001	0.058	0.000
2006	Teknion Furniture Systems	Flint Panel Plant	1150 Flint Road	320	0.001	0.000	0.000
2006	SUN POLISHING AND PLATING CO LTD	SUN POLISHING AND PLATING CO. LTD.	30 NASHVILLE Avenue	22	0.001	0.000	0.000
2006	Tyco Safety Products	Tyco Safety Products - Bridgeland	95 BRIDGELAND AVENUE	758	0.0004	0.000	0.000
2006	SUPERFINISH	SUPERFINISH CO. LTD.	1203 LAWRENCE Avenue West	20	0.00002	0.000	0.000
2006	John E. Goudey Mfg Limited	John E. Goudey Mfg Limited	21 PRIMROSE AVE	16	0.000	0.000	0.000
2006	Rieger Flexo and Gravure	RIEGER FLEXO AND GRAVURE	84 MARTIN ROSS AVE.	14	0.000	0.000	0.000

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2006	Natrel Inc.	Don Mills	1275 Lawrence Ave. East	225	0.000	0.000	0.000
2006	Brandon Forest Products Ltd.	Brandon Forest Products Ltd.	3447 KENNEDY RD	15	0.000	0.000	0.000
2006	M. Stanton Electroplating Ltd.	M. Stanton Electroplating Ltd.	1120 Bellamy Rd N.	45	0.000	0.007	0.000
2006	SELECTONE PAINTS	SELECTONE PAINTS LIMITED	39 GAIL GRV	25	0.000	0.000	0.000
2006	BRENNTAG CANADA	TITAN ROAD (OS52)	60 TITAN ROAD	24	0.000	0.000	0.000
2006	CITY OF TORONTO	Humber Treatment Plant	130 The Queensway	58	0.000	2,636.142	0.000
2006	TORCAD	TORCAD LIMITED	275 NORSEMAN STREET	61	0.000	0.000	0.000
2006	ACADIAN PLATERS	ACADIAN PLATERS	315 Rexdale Blvd.,	30	0.000	0.000	0.000
2006	A.G.SIMPSON AUTOMOTIVE	Scarborough Plant	675 Progress Avenue	220	0.000	0.000	0.000
2006	ISP CANADA Corp.	ISP CANADA Corp. (PRE2002 LEASIDE)	34 Industrial St.	12	0.000	0.000	0.000
2006	CITY OF TORONTO	R.L. Clark Filtration Plant	45 TWENTY THIRD ST	29	0.000	0.000	0.000
2006	CITY OF TORONTO	F.J. Horgan Filtration Plant	201 Copperfield Road	30	0.000	0.000	0.000
2006	CITY OF TORONTO	R.C. Harris Filtration Plant	2701 Queen Street East	34	0.000	0.000	0.000
2006	St. Lawrence Chemical Inc.	Rexdale	35 Vulcan Street	37	0.000	0.000	0.000
2006	Kilian Canada ULC	KILIAN MANUFACTURING CORP.	75 TORLAKE CRES	100	0.000	0.000	0.000
2006	ASBESTOS BUILDING SUPPLY	ABSL	266 Royal York Rd.	16	0.000	0.000	0.000
2006	COCA-COLA BOTTLING CO	WESTON Plant	24 Fenmar Drive	109	0.000	0.000	0.000
2006	Monarch Fabricating and Die Casters Ltd.	MONARCH FABRICATING AND DIE CASTERS LTD.	45 Colville Road	22	0.000	0.000	0.000
2006	Deluxe Toronto Ltd.	350 Evans	380 Adelaide Street West	350	0.000	0.000	0.000
2006	IPEX	Hamilton Kent	77 Carlingview Drive	200	0.000	0.000	0.000
2006	ABCgroup Inc.	MSB PLASTICS	23 Disco Road	290	0.000	0.000	0.000
2006	HOUGHTON CANADA	Toronto Plant	100 Symes Rd.	55	0.000	0.000	0.000
2006	Shawflex, a Division of ShawCor Ltd.	Rexdale	25 Bethridge Road	88	0.000	0.000	0.000
2006	Sterigenics CANADA	Sterigenics Canada Toronto	757 Pharmacy Avenue	14	0.000	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
		Facility					
2006	Newalta Industrial Services Inc.	Toronto Branch	55 Vulcan St.	35	0.000	0.000	0.000
2006	PURE METAL GALVANIZING	REXDALE	369 Attwell Drive	27	0.000	0.000	0.000
2006	Holly's Anodizing Service Ltd.	Holly's Anodizing Service	55 Milvan Dr.	15	0.000	0.000	0.000
2006	FOUR STAR PLATING INDUSTRIES	FOUR STAR PLATING INDUSTRIES - WESTON	1160-1162 BARMAC DR	55	0.000	0.000	0.000
2006	KAWNEER CANADA	Kawneer-Scarborough	1051 Ellesmere Road	270	0.000	0.000	0.000
2006	Signal Inc	N/A	12 CARLAW AVENUE	10	0.000	0.000	0.000
2006	CITY OF TORONTO	North Toronto Treatment Plant	21 Redway Road	12	0.000	339.426	0.000
2006	CHEMQUE INC.	REXDALE FACILITY	266 Humberline Drive	83	0.000	0.000	0.000
2006	CITY OF TORONTO	Island Filtration Plant	446 Lakeshore Ave., Centre Island	23	0.000	0.000	0.000
2006	RCP Inc	FACTORY	28 VANLEY CRES	50	0.000	0.000	0.000
2006	University Health Network	Toronto General Hospital	610 University Ave.	5700	0.000	0.000	0.000
2006	University Health Network	Toronto Western Hospital	399 Bathurst Street	2100	0.000	0.000	0.000
2006	University Health Network	Princess Margaret Hospital	610 University Ave.	1900	0.000	0.000	0.000
2006	GAY LEA FOODS COOPERATIVE	Longlife	180 Ormont Drive	100	0.000	0.000	0.000
2006	KDS GRAPHICS	KDS GRAPHICS LIMITED	140 MIDWEST Road	11	0.000	0.000	0.000
2006	NUCAP INDUSTRIES	NUCAP INDUSTRIES INC.	3370 Pharmacy Ave.	174	0.000	0.000	0.000
2006	CIRCUIT CENTER	Circuit Center	175 Midwest Road	110	0.000	0.000	0.000
2006	MACFARLANE NAMEPLATE & ANODIZING	MACFARLANE NAMEPLATE & ANODIZING - TORONTO	185 Carlingview Dr., Unit 7	23	0.000	0.000	0.000
2006	LAZER-TECH	LAZER-TECH - SCARBOROUGH	33 Melford Drive	70	0.000	0.000	0.000
2006	CLARIANT CANADA INC., MASTERBATCHES DIVISION	Toronto Division	2 LONE OAK CRT	75	0.000	0.000	0.000
2006	DIGITAL SPECIALTY CHEMICALS	DIGITAL SPECIALTY CHEMICALS LTD.	470 CORONATION Drive	35	0.000	0.000	0.000
2006	Imperial Electroplating Inc.	Imperial Electroplating Inc.	54 Bartor Road	7	0.000	0.000	0.000
2006	Masco Metal Finishing	NA	106 Rivalda Rd	30	0.000	0.000	0.000

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2006	Polyson Polyethylene Products (1986) Ltd.	Polyson Polyethylene Products (1986) Ltd.	151 Tiffield Road	35	0.000	0.000	0.000
2006	Novelis Foil Products	Toronto	191 Evans Avenue	180	0.000	0.000	0.000
2006	Visioneering Corporation	Visioneering Corporation	35 Oak Street	220	0.000	0.000	0.000
2006	Carbone of America (LCL) Ltd.	Carbon Brush Division - Toronto	496 EVANS AVE	103	0.000	0.000	0.000
2006	Ferraz Shawmut Canada Inc	Ferraz Shawmut Canada Inc	88 Horner Ave	106	0.000	0.000	0.000
2007	ALCAN Packaging	Arrow Road	130 Arrow Road	170	896.403	0.000	0.000
2007	Hymopack Ltd.	Hymopack Ltd.	41 Medulla Avenue	160	727.041	0.000	0.000
2007	O-I Canada Corp.	Plant #30 Toronto	777 Kipling Avenue	400	726.714	0.000	0.000
2007	QUEBECOR WORLD	Quebecor World Islington	2250 Islington Avenue	400	682.794	0.000	0.000
2007	CROMPTON COMPANY/CIE	West Hill	10 Chemical Ct.	78	664.690	0.000	0.000
2007	Indalex	indalloy	7 ALLOY CRT	70	414.151	0.000	0.000
2007	Owens Corning Insulating Systems Canada LP	Toronto Plant	3450 McNicoll Ave.	165	375.179	0.000	0.000
2007	Mundet Canada	Scarborough Plant	210 Midwest Road	52	347.481	0.000	0.000
2007	CROWN METAL PACKAGING CANADA LP	CROWN METAL PACKAGING CANADA LP - PLT. 245	21 Fenmar Drive	140	306.449	0.000	0.000
2007	Fleetwood Fine Furniture LP	N/A	75 BROWNS LINE	198	284.173	0.000	0.000
2007	Allied Halo Industries Inc	Allied-Halo	341-345 NANTUCKET BLVD	71	276.197	0.000	0.000
2007	ENWAVE DISTRICT ENERGY	Walton Street Steam Plant	95 Walton Street	14	272.300	0.000	0.000
2007	THE INTERNATIONAL GROUP INC	Agincourt Plant	50 Salome Drive	180	270.553	0.000	0.000
2007	Atlantic Packaging Products Ltd.	Gran Packaging	255 Brimley Rd	50	256.380	0.000	0.000
2007	CITY OF TORONTO	Highland Creek Treatment Plant	51 Beechgrove Drive	55	222.287	4,844.496	0.000
2007	Weston Bakeries Limited	Weston Bakeries Toronto	462 Eastern Ave	125	203.559	0.000	0.000
2007	UNIVERSAL DRUM RECONDITIONING	UNIVERSAL DRUM (TORONTO) - 110 GLEN SCARLETT RD.	110 Glen Scarlett Road	38	197.231	0.000	0.000
2007	Redpath Sugar Ltd (former Tate & Lyle Canada)	Toronto Refinery	95 Queens Quay East	280	196.362	0.000	0.000

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2007	Molson Canada	Toronto Brewery	1 Carlingview Drive	800	186.155	0.000	0.000
2007	Blue Mountain Wallcoverings	Blue Mountain Wallcoverings	15 Akron Road	68	172.380	0.000	0.000
2007	Wallcrown Limited	Wallcrown	88 Ronson Drive	15	172.342	0.000	0.000
2007	COLWELL/CANADA CORP.	COLWELL/CANADA CORP.	30 Tempo Avenue	44	149.500	0.000	0.000
2007	JACOBS & THOMPSON	JACOBS & THOMPSON INC.	85-89 KENHAR DR	119	148.045	0.000	0.000
2007	KNOLL NORTH AMERICA	Main Plant	1000 Arrow Road	1180	147.455	0.000	0.000
2007	St. Joseph Printing	ST. JOSEPH THORN PRESS	135 RAILSIDE ROAD	95	144.447	0.000	0.000
2007	Dextran Products Limited	DEXTRAN PRODUCTS LIMITED	421 Comstock Road	25	144.190	0.000	0.000
2007	Irving Tissue	Weston Site	1551 Weston Rd	400	137.070	0.000	0.000
2007	ENWAVE DISTRICT ENERGY	Pearl Street Steam Plant	120 Pearl Street	13	131.700	0.000	0.000
2007	KRAFT CANADA	Lakeshore Bakery	2150 Lake Shore Blvd. West	1200	129.430	0.000	0.000
2007	Chemtura Canada Co./Cie	Upton Road	36 Upton Road	9	127.443	0.000	0.000
2007	GLOBAL UPHOLSTERY	GLOBAL UPHOLSTERY	560 Supertest Road	1400	127.210	0.000	0.000
2007	CANADA BREAD	Canada Bread Fraser	2 FRASER Avenue	145	126.644	0.000	0.000
2007	Amvic Building Systems	McNicoll	501 McNicoll Avenue	34	119.170	0.000	0.000
2007	MIROLIN INDUSTRIES	Mirolin	200 NORSEMAN STREET	300	107.294	0.000	0.000
2007	APOTEX INC	150 SIGNET MANUFACTURING SITE	150 Signet Drive	1112	106.944	0.000	0.000
2007	Dow Chemical Canada Inc.	Dow Chemical Canada Inc. - Weston	122 Arrow Road	28	96.930	0.000	0.000
2007	CANROOF	CRC Toronto	560 Commissioners Street	103	94.891	0.000	0.000
2007	FPC Flexible Packaging Corp	FPC FLEXIBLE PACKAGING CORP	1891 Eglinton Ave. E.	120	91.719	0.000	0.000
2007	York University	Keele Campus	4700 KEELE Street	8400	90.200	0.000	0.000
2007	Independent Mirror Industries	N/A	250 Brockport Drive	70	87.010	0.000	0.000
2007	Atlantic Packaging Products Ltd.	111 Progress	111 Progress Ave	457	85.780	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2007	CKF Inc.	Rexdale plant	30 Iron St.	160	83.600	0.000	0.000
2007	CITY OF TORONTO	Ashbridges Bay Treatment Plant	9 Leslie Street	163	80.524	14,525.453	0.000
2007	CASCADES CANADA Inc.	Cascades Boxboard Group Toronto Mill	495 COMMISSIONERS ST.	151	80.296	0.000	0.000
2007	NATIONAL SILICATES PARTNERSHIP	Toronto	429 Kipling Ave	23	72.518	0.000	0.000
2007	VACUUM METALLIZING LIMITED	VACUUM METALLIZING LIMITED	30 DOVEDALE CRT	30	72.506	0.000	0.000
2007	BRAZILIAN CANADIAN COFFEE	BRAZILIAN CANADIAN COFFEE CO. LTD.	1260 MARTIN GROVE Road	40	71.683	0.000	0.000
2007	New Forest Paper Mills LP	New Forest Paper Mills LP	333 Progress Avenue	94	70.730	0.000	0.000
2007	Cognis Oleochemicals Canada Limited	Toronto Plant	425. Kipling Avenue	75	66.970	0.000	0.000
2007	Metro Label Company Ltd.	Metro Label Company Ltd.	999 Progress Avenue	160	61.223	0.000	0.000
2007	Imperial Oil	FINCH DISTRIBUTION TERMINAL	1150 Finch Ave W.	11	60.275	0.000	0.000
2007	TALMOLDER	TALMOLDER INC.	325 LIMESTONE CRES	72	56.103	0.000	0.000
2007	VALSPAR INCORPORATED	Toronto Plant	645 Coronation Drive	90	55.597	0.000	0.000
2007	D.A. STUART	D.A. STUART INC.	43 Upton Road	43	54.671	0.000	0.000
2007	Campbell Company of Canada - Toronto	PLANT 051 - Toronto	60 Birmingham Street	656	51.187	0.000	0.000
2007	BECKER INDUSTRIAL COATINGS	BECKER INDUSTRIAL COATINGS	30 BETHRIDGE Road	19	50.416	0.000	0.000
2007	APOTEX ETOBICOKE	APOTEX ETOBICOKE	55 Steinway Blvd.	1030	48.430	0.000	0.000
2007	LINCOLN ELECTRIC OF CANADA	LINCOLN ELECTRIC COMPANY OF CANADA	179 WICKSTEED AVE	240	45.839	0.000	0.000
2007	SICO	SICO #4 PRILCO	120 TWENTY FOURTH ST	44	45.134	0.000	0.000
2007	PROFILE INDUSTRIES	PROFILE INDUSTRIES INC.	201 GARYRAY Drive	273	45.000	0.000	0.000
2007	Atlas Roofing Corporation	Atlas Roofing Corporation	55 Akron Road	583	42.700	0.000	0.000
2007	Canada Bread	Rakely	35 Rakely Crt.	210	42.356	0.000	0.000
2007	CANADA BREAD	Central Bakery	130 CAWTHRA Avenue	150	41.140	0.000	0.000

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2007	Sanofi Pasteur Limited	Connaught Campus	1755 Steeles Avenue West	1200	38.600	0.000	0.000
2007	L&M Precision Products Inc.	L&M Precision Products Inc.	140-150 MILVAN DR	107	38.163	0.000	0.000
2007	BLANCO CANADA	Jutland Road Plant	37 Jutland Road	62	34.145	0.000	0.000
2007	CORETEC	Ellesmere Facility	2020 Ellesmere Road	293	34.058	0.000	0.000
2007	Bombardier inc.	Toronto Site	123 Garratt Blvd.	4185	32.338	0.000	0.000
2007	West Star Printing Limited	N/A	10 NORTH QUEEN ST	85	32.170	0.000	0.000
2007	Sonnenberg Industries	Craftwood	191 Finchdene Square	118	32.053	0.000	0.000
2007	RPM Canada Company, Tremco Canada Division	TORONTO	220 Wicksteed Ave.	235	31.724	0.000	0.000
2007	grafikom	grafikommil	180 Bond Avenue	50	31.305	0.000	0.000
2007	UNILEVER CANADA	Rexdale Plant	195 Belfield Road	160	28.896	0.000	0.000
2007	LEDA FURNITURE	Plant	350 Clayson Rd.	54	28.500	0.000	0.000
2007	Point One Graphics	N/A	14 Vansco Road	84	28.303	0.000	0.000
2007	Gazzola Paving Ltd	Gazzola Paving	345 Attwell Dr	11	26.962	0.000	0.000
2007	Chrysler Canada Corporation	Etobicoke Casting Plant	15 BROWNS LINE	400	26.957	0.000	0.000
2007	Canada Bread	Toronto Bagel	680 STEEPROCK Drive	110	26.758	0.000	0.000
2007	SHOREWOOD OF CANADA	SHOREWOOD PACKAGING OF CANADA	2220 Midland Ave.	398	26.265	0.000	0.000
2007	SHELL CANADA PRODUCTS	Keele Street Terminal	3975 Keele Street	7	26.040	0.000	0.000
2007	Precisioneering Ltd	Precisioneering Ltd	303 Nantucket Blvd.	45	25.540	0.000	0.000
2007	FERMAR ASPHALT	Albion Road Plant	1921 Albion Road	11	23.321	0.000	0.000
2007	SUNCOR ENERGY PRODUCTS INC.	Metro Depot	1138 Finch Avenue West	12	23.075	0.000	0.000
2007	Genpharm ULC	Genpharm ULC - 37 Advance Road Location	37 Advance Road	95	21.854	0.000	0.000
2007	Bowne of Canada	BOWNE OF CANADA	60-74 GERVAIS DR	290	21.394	0.000	0.000
2007	VAN-ROB INC.	SCARBOROUGH	1001 ELLESMERE Road	405	21.013	0.000	0.000
2007	SUN MEDIA	The Toronto Sun	333 King Street East	849	20.830	0.000	0.000
2007	KRAFT CANADA	East York Bakery	5 Bermondsey Road	590	19.954	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2007	ANTI FRICTION ENTERPRISES	ANTI FRICTION ENTERPRISES LTD. PLANT 1	402 ATTWELL DRIVE	5	19.800	0.000	0.000
2007	Alcoa Ltd	Alcoa Rexdale Packaging	35 City View Drive	110	19.580	0.000	0.000
2007	SOLO CUP CANADA INC	SOLO CUP CANADA INC.- SCARBOROUGH	2121 Markham Road	400	19.077	0.000	0.000
2007	Nitta Gelatin Canada, Inc.	Gelatin	60 Paton rd	44	18.120	0.000	0.000
2007	Trench Limited	Trench Limited CPD	71 Maybrook Drive	330	17.762	0.000	0.000
2007	GUARDIAN INDUSTRIES	Guardian Rexdale	355-361 ATTWELL DR	80	16.697	0.000	0.000
2007	Formglas Inc.	Formglas Inc.	2 Champagne Drive	275	16.030	0.000	0.000
2007	TEKNION CANADA	TEKWOOD - A DIVISION OF TEKNION CANADA LIMITED - 2	607 Canarctic Drive	79	15.606	0.000	0.000
2007	Quebecor Media	Wide Web Printing	2250 Islington Avenue	146	15.033	0.000	0.000
2007	Spec Furniture Inc.	City View Drive	165 City View Drive	95	14.738	0.000	0.000
2007	Viva Magnetics (Canada) Limited	Neilson Road facility	1663 Neilson Road	309	14.609	0.000	0.000
2007	GLOBAL CONTRACT	GLOBAL CONTRACT INC.	565 Petrolia Road	414	13.520	0.000	0.000
2007	Viva Magnetics (Canada) Limited	Finch Avenue facility	5373 Finch Avenue East	310	13.489	0.000	0.000
2007	TRANSCONTINENTAL PRINTING	TRANSCONTINENTAL YORKVILLE-O'KEEFE	8 Tidemore Avenue	250	13.310	0.000	0.000
2007	G & K Services Canada Inc	G & K Services Canada Inc	940 Warden Avenue	160	13.046	0.000	0.000
2007	CORUS L.P.	CCD	3605 WESTON ROAD	70	12.941	0.000	0.000
2007	SHAWCOR LTD	DSG-Canusa	25 BETHRIDGE Road	100	12.839	0.000	0.000
2007	STANLEY MANUFACTURING COMPANY INC.	Stanley Plant	230 Bartley Drive	35	11.873	0.000	0.000
2007	THE FOAM & FIBRE COMPANY	NUGGET AVE	235 NUGGET Avenue	8	11.152	0.000	0.000
2007	EMI RFI SHIELD PLATING	EMIRFI SHIELD PLATING INC.	119-123 MANVILLE RD	75	10.612	18.972	0.000
2007	NORAMPAC	Etobicoke Division	450 Evans Ave.	170	10.447	0.000	0.000
2007	Protech Chemicals (Toronto Branch)	Toronto branch	150 Klondike drive	40	10.300	0.000	0.000
2007	Solectron Invotronics	C-MAC INVOTRONICS INC.	365 Passmore Avenue	463	10.081	0.000	0.000
2007	De Luxe Produits de Papier Inc	Division Toronto	120 NUGGET AVENUE	56	9.680	0.000	0.000

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2007	ROHM AND HAAS CANADA LP	WEST HILL PLANT	2 Manse Road	113	9.232	0.000	0.000
2007	VAN-ROB INC.	NORTH YORK	114 CLAYSON Road	395	8.824	0.000	0.000
2007	HELMITIN	Toronto Plant	99 Shorncliffe Road	36	8.051	0.000	0.000
2007	GENERAL PAINT	IDEAL PAINT MANUFACTURING PLANT - REXDALE	172 Belfield Rd.	13	7.548	0.000	0.000
2007	Unicell Ltd.	Unicell Ltd.	50 Industrial Street	66	7.503	0.000	0.000
2007	Protech Chemicals Ltd	Head office	150 Klondike Drive	110	7.300	0.000	0.000
2007	100 WYNFORD REIT	BELL DATA CENTRE 100 WYNFORD DRIVE	100 WYNFORD Drive	5	6.934	0.000	0.000
2007	Triple M Metal LP	Scarborough	80 Sinnott Road	37	6.252	0.000	0.000
2007	FOAMCO INDUSTRIES CORPORATION	FOAMCO INDUSTRIES CORPORATION	198 FAIRBANK AVENUE	60	5.943	0.000	0.000
2007	Cadbury Adams Canada Inc.	Bertrand	40 Bertrand Avenue	400	5.925	0.000	0.000
2007	CELESTICA INTERNATIONAL	CELESTICA TORONTO SITE	844 Don Mills Road	2800	5.605	0.000	0.000
2007	Club Coffee L.P.	Rexdale Factory	65 Carrier Drive	102	4.806	0.000	0.000
2007	SI Group-Canada, Inc.	Manufacturing Plant	309 Comstock Road	39	4.618	0.000	0.000
2007	Metal Koting	Continuous Colour Coat Ltd.	1430 Martin Grove Rd	143	4.365	0.000	0.000
2007	Webcom	Webcom Limited	3480 PHARMACY AVE	200	4.244	0.000	0.000
2007	Primo Pasta Inc.	Huxley Facility	56 Huxley Road	123	4.204	0.000	0.000
2007	CINRAM INTERNATIONAL LIMITED	Cinarm Audio Center	2255 MARKHAM RD	346	3.812	0.000	0.000
2007	INGOT METAL	INGOT METAL COMPANY LIMITED	111 FENMAR DRIVE	36	3.689	0.000	0.000
2007	Deco Automotive	DECO AUTOMOTIVE - REXDALE	225 Claireville Drive	503	3.682	0.000	0.000
2007	IBIS PRODUCTS	IBIS PRODUCTS LTD.	17 MUNHAM GT	30	3.586	0.000	0.000
2007	PARKWAY PLACE HOLDINGS	245 CONSUMERS RD.	245 CONSUMERS Road	870	3.410	0.000	0.000
2007	Steve's Castings Ltd.	Steve's Castings Ltd.	50-192 SHORTING RD	8	3.130	0.000	0.000
2007	ARVIN MERITOR	ArvinMeritor Ride Control Products	3560 LAKE SHORE BLVD W	500	2.949	0.000	0.000

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2007	OXFORD PROPETIES GROUP	WATERPARK PLACE - 20 BAY STREET	20 Bay Street	2406	2.737	0.000	0.000
2007	Innocon Inc.	Wilson Avenue Facility	949 WILSON Avenue	35	2.579	0.000	0.000
2007	Women's College Health Research	Health Research Facility	790 Bay Street	12	2.540	0.000	0.000
2007	INDUSTRIAL COATINGS	INDUSTRIAL COATINGS CO.	800 Garyray Drive	15	2.382	0.000	0.000
2007	Canada Building Materials	Bathurst, Plant No. 08	24 BATHURST ST	40	2.313	0.000	0.000
2007	Canada Building Materials	Scarborough, Plant No. 62	65 MAYBROOK Drive	22	2.298	0.000	0.000
2007	Innocon Inc.	Commissioner RMC Plant	535 COMMISSIONERS ST	35	2.292	0.000	0.000
2007	DOMINION COLOUR	New Toronto Plant	199 NEW TORONTO STREET	52	2.286	0.000	0.000
2007	OXFORD PROPERTIES GROUP	315 FRONT ST	315 Front Street W	1945	2.275	0.000	0.000
2007	Korex Don Valley ULC	Don Valley Plant	1 SUNLIGHT PARK RD	226	2.167	0.000	0.000
2007	LANDER CANADA	Scarborough Facility	275 Finchdene Square	120	2.157	0.000	0.000
2007	TEMPO AEROSPACE	TEMPO AEROSPACE INC.	205 Fenmar Drive	16	2.048	0.000	0.000
2007	Ontario Redimix Ltd.	Toronto Plant	57 Wade Ave.	20	1.970	0.000	0.000
2007	NESTLE CANADA INC.	STERLING ROAD FACTORY	72 STERLING Road	459	1.842	0.000	0.000
2007	D. CRUPI & SONS	PASSMORE PLANT	85 PASSMORE Avenue	4	1.750	0.000	0.000
2007	DIGITAL SPECIALTY CHEMICALS	DIGITAL SPECIALTY CHEMICALS LTD.	470 CORONATION Drive	35	1.709	0.000	0.000
2007	Sensient Flavors Canada Inc.	Rexdale Facility	110 Vulcan Street	57	1.700	0.000	0.000
2007	BATTENFELD GREASE CANADA	BATTENFELD GREASE CANADA	68 TITAN Road	32	1.648	0.000	0.000
2007	FLEXTILE	FLEXTILE LTD.	121 THIRTIETH ST	55	1.575	0.000	0.000
2007	Sanmina-SCI Systems (Canada) Inc.	Sanmina	330 Progress Avenue	700	1.571	0.000	0.000
2007	OXFORD PROPERTIES GROUP	325 Front Street, RBC Data Centre	325 Front Street West	1320	1.558	0.000	0.000
2007	Oxford Properties Group	120 Adelaide Street West	120 Adelaide Street West	2000	1.548	0.000	0.000
2007	Henry Company Canada Inc	Henry Company Canada Inc Scarborough	15 WALLSEND DR.	68	1.525	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2007	OXFORD PROPERTIES GROUP	200 Bay Street	200 BAY Street	7340	1.521	0.000	0.000
2007	Innocon Inc.	Lakeshore RMC Plant	450 LAKE SHORE BLVD W	12	1.500	0.000	0.000
2007	Canada Building Materials	Leaside, Plant No.11	55 INDUSTRIAL Street	20	1.462	0.000	0.000
2007	OXFORD PROPERTIES GROUP	1 Adelaide Street East, Financial Place	1 ADELAIDE Street East	2950	1.416	0.000	0.000
2007	OXFORD PROPERTIES GROUP	200 Wellington St W, Metrocentre - AT&T Tower	200 Wellington Street West	1730	1.406	0.000	0.000
2007	Oxford Properties Group	130 Adelaide Street West	130 Adelaide Street West	2000	1.391	0.000	0.000
2007	BASF Canada	TORONTO SITE	10 Constellation Crt	34	1.324	0.000	0.000
2007	Dufferin Concrete	Dufferin Concrete, Etobicoke Plant	1185 MARTIN GROVE RD	30	1.260	0.000	0.000
2007	Advanced Car Specialties Ltd.	ADVANCED CAR SPECIALTIES	1865 Birchmount Road	180	1.140	0.000	0.000
2007	Dufferin Concrete	DUFFERIN CONCRETE, SCARBOROUGH PLANT	1940 McCowan Road	20	1.120	0.000	0.000
2007	UNIVAR CANADA LIMITED	Downsview	777 Supertest Road	23	0.977	0.000	0.000
2007	Teskey Concrete Company Ltd.	Teskey Concrete Company Ltd.	20 Murray Rd.	52	0.932	0.000	0.000
2007	FTG Corporation	FTG Circuits	250 Finchdene Square	199	0.930	0.000	0.000
2007	D. CRUPI & SONS	BRIMLEY CRUSHING PLANT	477 BRIMLEY Road	4	0.914	0.000	0.000
2007	OXFORD PROPERTIES GROUP	10 Bay Street, Waterpark Place	10 Bay Street	1604	0.910	0.000	0.000
2007	Ontario Redimix Ltd.	Etobicoke Plant	21 Goodmark Place	50	0.910	0.000	0.000
2007	OXFORD PROPERTIES GROUP	123 Front Street West, Citibank Place	123 Front Street West	1630	0.902	0.000	0.000
2007	Multy Industries Inc.	Eco-Trend Ind., Fenmar	400 Fenmar Drive	56	0.900	0.000	0.000
2007	City View Platers Inc.	City View Platers Inc.	121 City View Drive	20	0.884	0.000	0.000
2007	Dufferin Concrete	DUFFERIN CONCRETE, TORONTO PLANT	650 Commissioners Street	25	0.840	0.000	0.000
2007	QUALITY MEAT PACKERS LTD	QUALITY MEAT PACKERS LTD.	2 TECUMSETH Street	660	0.834	0.000	0.000

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2007	OLYMPIC COATERS	OLYMPIC COATERS INC.	354 Humberline Dr	40	0.798	0.000	0.000
2007	D. CRUPI & SONS	Bethridge	176 Bethridge Road	4	0.750	0.000	0.000
2007	Biltrite Industries	BILTRITE INDUSTRIES	170 NORTH QUEEN ST	150	0.701	0.000	0.000
2007	OXFORD PROPERTIES GROUP	225 King Street West, Metrocentre Sunlife Tower	225 King Street West	1730	0.692	0.000	0.000
2007	KRAFT CANADA	Scarborough Plant	1440 Birchmount Rd.	85	0.684	0.000	0.000
2007	AUTOTEK ELECTROPLATING	AUTOTEK ELECTROPLATING	20 Huddersfield Rd.	30	0.631	0.000	0.000
2007	OXFORD PROPERTIES GROUP	1 University Avenue	1 University Avenue	1295	0.607	0.000	0.000
2007	APCO INDUSTRIES	Plant and Distribution Centre	10 Industrial Street	33	0.594	0.000	0.000
2007	OXFORD PROPERTIES GROUP	111 Richmond St.	111 Richmond Street West	780	0.574	0.000	0.000
2007	Oxford Properties Group	85 RICHMOND ST E	85 RICHMOND ST E	500	0.550	0.000	0.000
2007	Bunge Canada	BUNGE CANADA - TORONTO PLANT	30 WESTON Road	55	0.544	0.000	0.000
2007	PARKWAY PLACE HOLDINGS	243 CONSUMERS RD.	243 CONSUMERS Road	1285	0.526	0.000	0.000
2007	PARKWAY PLACE HOLDINGS	251 CONSUMERS RD.	251 CONSUMERS Road	920	0.523	0.000	0.000
2007	STARPLEX SCIENTIFIC	STARPLEX SCIENTIFIC INC.	50 STEINWAY Boulevard	120	0.468	0.000	0.000
2007	AEP CANADA	West Hill Resinite	595 Coronation Drive	82	0.453	0.000	0.000
2007	STRATAFLEX CANADA	STRATAFLEX CANADA CORPORATION	11 DOHME Avenue	159	0.431	0.000	0.000
2007	ACTIVE METAL FINISHING	ACTIVE METAL FINISHING	43 ADVANCE Road	25	0.395	0.000	0.000
2007	KIK Operating Partnership d/b/a KIK Canada	Plant #2	2000 KIPLING Avenue	325	0.341	0.000	0.000
2007	Koch Heat Transfer Canada LP	Koch Heat Transfer Canada LP	4750 Sheppard Ave. East	70	0.326	0.000	0.000
2007	Rogers Centre	Rogers Centre	1 BLUE JAYS WAY	200	0.305	0.000	0.000
2007	DOVERCOURT ELECTROPLATING	DOVERCOURT ELECTROPLATING CO. LTD.	304 Bridgeland Avenue	12	0.268	0.000	0.000
2007	CASTROL CANADA	CASTROL CANADA -	3660 LAKE SHORE	60	0.242	0.000	0.000

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		TORONTO, ONTARIO	BLVD W				
2007	HALLTECH	HALLTECH INC.	465 Coronation Dr.	69	0.229	0.000	0.000
2007	D. CRUPI & SONS	Brimley Asphalt Plant	477 BRIMLEY Road	4	0.191	0.000	0.000
2007	ABCgroup Inc.	EXTERIOR SYSTEMS	220 Brockport Drive	295	0.179	0.000	0.000
2007	PROGRESSIVE ANODIZERS INC.	PROGRESSIVE	41 Crockford Blvd	64	0.108	0.000	0.000
2007	METAPLAST CIRCUITS	METAPLAST CIRCUITS - SCARBOROUGH	180 Hymus Road	66	0.105	0.000	0.000
2007	Brimac Anodizing (1985) Limited	BRIMAC ANODIZING (1985) LIMITED	542 Kipling Avenue	30	0.102	0.000	0.000
2007	Tectrol Inc	Tectrol Inc	39 KODIAK CRES	400	0.100	0.000	0.000
2007	ALUMICOR	ALUMICOR	33 Racine Road	110	0.100	0.000	0.000
2007	Henkel Canada Corporation	Henkel Surface Technologies	165 Rexdale Blvd	25	0.058	0.000	0.000
2007	A.T. DESIGNS INSIGNIA	A.T. DESIGNS INSIGNIA	70 PRODUCTION DR.	70	0.054	0.000	0.000
2007	JOSEPH ROBERTSON FOUNDRIES	JOSEPH ROBERTSON FOUNDRIES LIMITED	24 Milford Avenue	22	0.043	0.000	0.000
2007	John E. Goudey Mfg Limited	John E. Goudey Mfg Limited	21 PRIMROSE AVE	14	0.041	0.000	0.000
2007	ABCgroup Inc.	INTERIOR SYSTEMS	10 Disco Road	225	0.041	0.000	0.000
2007	HUNNISETT CHEMICALS	Chemspec	200 Wicksteed Avenue	6	0.039	0.000	0.000
2007	D. Crupi & Sons Limited	Bethridge Crushing	176 Bethridge Road	4	0.034	0.000	0.000
2007	HANDY & HARMAN OF CANADA	Rexdale	290 Carlingview Drive	56	0.015	0.000	0.000
2007	HONEYWELL	Scarborough Facility	35 Dynamic Drive	400	0.014	0.000	0.000
2007	KIK Operating Partnership d/b/a KIK Canada	Plant #1	13 Bethridge Road	272	0.006	0.000	0.000
2007	Leader Plating on Plastic Ltd	Leader Plating on Plastic Ltd	2 Jody Ave	65	0.005	0.000	0.000
2007	S&C ELECTRIC CANADA LTD.	S&C ELECTRIC CANADA LTD.	90 Belfield Road	250	0.005	0.000	0.000
2007	WOOD WYANT CANADA INC.	WYANT CHEMICALS	440 Passmore Avenue	4	0.005	0.000	0.000
2007	Samuel Strapping Systems	Scarborough Location	743 Warden Avenue	50	0.004	0.000	0.000
2007	ABCgroup Inc.	MSB PLASTICS	23 Disco Road	290	0.004	0.000	0.000
2007	Teknion Furniture Systems	Flint Panel Plant	1150 Flint Road	320	0.004	0.000	0.000

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2007	Arts Metal Finish Ltd.	N/A	555 Canarctic Drive	20	0.004	0.000	0.000
2007	Roto-Form	Roto-Form	175 Claireville Drive	207	0.003	0.000	0.000
2007	ARDAVEN PLATERS	ARDAVEN PLATERS	11 Carson Street	25	0.002	0.000	0.000
2007	KOBAY TOOL & STAMPING INC.	KOBAY TOOL & STAMPING INC.	125 NASHDENE ROAD, UNIT 6	210	0.002	0.000	0.000
2007	VITAFOAM PRODUCTS CANADA LTD	Toronto	150 Toro Road,	70	0.001	0.000	0.000
2007	TEKNION FURNITURE SYSTEMS	Alness Box Plant	1250 ALNESS Street	125	0.001	0.197	0.000
2007	SUN POLISHING AND PLATING CO LTD	SUN POLISHING AND PLATING CO. LTD.	30 NASHVILLE Avenue	22	0.001	0.000	0.000
2007	Tyco Safety Products	Tyco Safety Products - Bridgeland	95 BRIDGELAND AVENUE	758	0.0001	0.000	0.000
2007	SUPERFINISH	SUPERFINISH CO. LTD.	1203 LAWRENCE Avenue West	16	0.00001	0.000	0.000
2007	MARK IV INDUSTRIES	Dayco Canada Corp	46 NORELCO DRIVE	125	0.000	0.000	0.000
2007	National Rubber Technologies Corp.	Symington Plant	394 Symington Ave.	50	0.000	0.000	0.000
2007	National Rubber Technologies Corp.	Cawthra Plant	35 CAWTHRA AVENUE	150	0.000	0.000	0.000
2007	Natrel Inc.	Don Mills	1275 Lawrence Ave. East	376	0.000	0.000	0.000
2007	CELANESE CANADA	Weston Terminal	92 Kenhar Drive	2	0.000	0.000	0.000
2007	M. Stanton Electroplating Ltd.	M. Stanton Electroplating Ltd.	1120 Bellamy Rd N.	40	0.000	0.008	0.000
2007	SELECTONE PAINTS	SELECTONE PAINTS LIMITED	39 GAIL GRV	16	0.000	0.000	0.000
2007	BRENTAG CANADA	TITAN ROAD (OS52)	60 TITAN ROAD	13	0.000	0.000	0.000
2007	CITY OF TORONTO	Humber Treatment Plant	130 The Queensway	57	0.000	2,583.168	0.000
2007	TORCAD	TORCAD LIMITED	275 NORSEMAN STREET	61	0.000	0.000	0.000
2007	ACADIAN PLATERS	ACADIAN PLATERS	315 Rexdale Blvd.,	25	0.000	0.000	0.000
2007	ACADIAN BARREL FINISHING	ACADIAN BARREL FINISHING	21 Meteor Drive	10	0.000	0.000	0.000
2007	ISP CANADA Corp.	ISP CANADA Corp. (PRE2002 LEASIDE)	34 Industrial St.	14	0.000	0.000	0.000

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2007	CITY OF TORONTO	R.L. Clark Filtration Plant	45 TWENTY THIRD ST	29	0.000	0.000	0.000
2007	CITY OF TORONTO	F.J. Horgan Filtration Plant	201 Copperfield Road	30	0.000	0.000	0.000
2007	CITY OF TORONTO	R.C. Harris Filtration Plant	2701 Queen Street East	34	0.000	0.000	0.000
2007	BRENTAG CANADA	REXDALE (OS72)	35 Vulcan Street	63	0.000	0.000	0.000
2007	Kilian Canada ULC	KILIAN MANUFACTURING CORP.	75 TORLAKE CRES	100	0.000	0.000	0.000
2007	ASBESTOS BUILDING SUPPLY	ABSL	266 Royal York Rd.	16	0.000	0.000	0.000
2007	PARMALAT DAIRY & BAKERY INC.	Etobicoke	25 RAKELY CRT	190	0.000	0.000	0.000
2007	COCA-COLA BOTTLING CO	WESTON Plant	24 Fenmar Drive	150	0.000	0.000	0.000
2007	J&K Die Casting Limited	J&K Die Casting Limited	18 GOLDEN GATE CRT	42	0.000	0.000	0.000
2007	Monarch Fabricating and Die Casters Ltd.	MONARCH FABRICATING AND DIE CASTERS LTD.	45 Colville Road	20	0.000	0.000	0.000
2007	National Rubber Technologies Corp.	Tire Recycling Plant	99 Commissioners St.	12	0.000	0.000	0.000
2007	Deluxe Toronto Ltd.	350 Evans	380 Adelaide Street West	350	0.000	0.000	0.000
2007	IPEX	Hamilton Kent	77 Carlingview Drive	160	0.000	0.000	0.000
2007	HOUGHTON CANADA	Toronto Plant	100 Symes Rd.	55	0.000	0.000	0.000
2007	Shawflex, a Division of ShawCor Ltd.	Rexdale	25 Bethridge Road	88	0.000	0.000	0.000
2007	Sterigenics Canada	Sterigenics Toronto Facility	757 Pharmacy Avenue	14	0.000	0.000	0.000
2007	Newalta Industrial Services Inc.	Toronto Branch	55 Vulcan St.	35	0.000	0.000	0.000
2007	PURE METAL GALVANIZING	REXDALE	369 Attwell Drive	27	0.000	0.000	0.000
2007	Holly's Anodizing Service Ltd.	Holly's Anodizing Service	55 Milvan Dr.	15	0.000	0.000	0.000
2007	FOUR STAR PLATING INDUSTRIES	FOUR STAR PLATING INDUSTRIES - WESTON	1160-1162 BARMAC DR	45	0.000	0.000	0.000
2007	KAWNEER CANADA	Kawneer-Scarborough	1051 Ellesmere Road	290	0.000	0.000	0.000
2007	Signal Inc	N/A	12 CARLAW AVENUE	10	0.000	0.000	0.000
2007	CITY OF TORONTO	North Toronto Treatment Plant	21 Redway Road	12	0.000	301.298	0.000
2007	CHEMQUE INC.	REXDALE FACILITY	266 Humberline Drive	90	0.000	0.000	0.000
2007	CITY OF TORONTO	Island Filtration Plant	446 Lakeshore Ave., Centre Island	23	0.000	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
2007	RCP Inc	FACTORY	28 VANLEY CRES	50	0.000	0.000	0.000
2007	GAY LEA FOODS COOPERATIVE	Longlife	180 Ormont Drive	100	0.000	0.000	0.000
2007	KDS GRAPHICS	KDS GRAPHICS LIMITED	140 MIDWEST Road	10	0.000	0.000	0.000
2007	NUCAP INDUSTRIES	NUCAP INDUSTRIES INC.	3370 Pharmacy Ave.	156	0.000	0.000	0.000
2007	CIRCUIT CENTER	Circuit Center	175 Midwest Road	70	0.000	0.000	0.000
2007	MACFARLANE NAMEPLATE & ANODIZING	MACFARLANE NAMEPLATE & ANODIZING - TORONTO	185 Carlingview Dr., Unit 7	23	0.000	0.000	0.000
2007	LAZER-TECH	LAZER-TECH - SCARBOROUGH	33 Melford Drive	58	0.000	0.000	0.000
2007	CLARIANT CANADA INC., MASTERBATCHES DIVISION	Toronto Division	2 LONE OAK CRT	63	0.000	0.000	0.000
2007	Imperial Electroplating Inc.	Imperial Electroplating Inc.	54 Bartor Road	7	0.000	0.000	0.000
2007	Masco Metal Finishing	NA	106 Rivalda Rd	30	0.000	0.000	0.000
2007	Polyson Polyethylene Products (1986) Ltd.	Polyson Polyethylene Products (1986) Ltd.	151 Tiffield Road	30	0.000	0.000	0.000
2007	Novelis Foil Products	Toronto	191 Evans Avenue	160	0.000	0.000	0.000
2007	Visioneering Corporation	Visioneering Corporation	35 Oak Street	220	0.000	0.000	0.000
2007	Carbone of America (LCL) Ltd.	Carbon Brush Division - Toronto	496 EVANS AVE	103	0.000	0.000	0.000
2007	Sterling Marking Products Inc.	Canada Stamp	4 William Morgan Dr.	20	0.000	0.000	0.000
2007	Gay Lea Foods Cooperative Limited	Clayson	100 Clayson Road	92	0.000	0.000	0.000
2007	CITY OF TORONTO	DISCO TRANSFER STATION	120 DISCO Road	29	0.000	0.000	0.000
2007	CITY OF TORONTO	BERING YARD	320 BERING Avenue	10	0.000	0.000	0.000
2007	CITY OF TORONTO	DISCO YARD	150 DISCO Road	20	0.000	0.000	0.000
2007	CITY OF TORONTO	INGRAM TRANSFER STATION	50 INGRAM Drive	32	0.000	0.000	0.000
2007	CITY OF TORONTO	FINCH YARD	1026 FINCH Avenue West	25	0.000	0.000	0.000
2007	CITY OF TORONTO	DUFFERIN TRANSFER STATION	35 VANLEY CRES	70	0.000	0.000	0.000
2007	CITY OF TORONTO	BERMONDSEY TRANSFER	188 BERMONDSEY	31	0.000	0.000	0.000

Report Year	Company Name	Facility Name	Address	No. of Employees	Total Air Release	Total Water Release	Total Land Release
		STATION	Road				
2007	CITY OF TORONTO	VICTORIA PARK TRANSFER STATION	3350 VICTORIA PARK AVE	25	0.000	0.000	0.000
2007	CITY OF TORONTO	SCARBOROUGH TRANSFER STATION	1 Transfer Place	30	0.000	0.000	0.000
2007	CITY OF TORONTO	COMMISSIONERS STREET TRANSFER STATION	400 COMMISSIONERS Street	52	0.000	0.000	0.000
2007	CITY OF TORONTO	1116 KING STREET WEST	1116 KING Street West	20	0.000	0.000	0.000
2007	CITY OF TORONTO	EASTERN AND BOOTH BLOCKS	433 EASTERN Avenue	40	0.000	0.000	0.000
2007	CITY OF TORONTO	843 EASTERN AVENUE	843 EASTERN Avenue	64	0.000	0.000	0.000
2007	Give and Go Prepared Foods Corp	Humber	300 Humber College Blvd	100	0.000	0.000	0.000
2007	ABCgroup Inc.	Humberline Packaging Group	310 Humberline Drive	40	0.000	0.000	0.000
2007	CORETEC	Sheppard Facility	8150 Sheppard Avenue East	127	0.000	0.000	0.000
2007	Give and Go Prepared Foods Corp	Finch	6650 Finch Avenue West	300	0.000	0.000	0.000

Appendix B-4: Community Emissions By Ward in Tonnes (2006-2007)

Report Year	Ward Number	Ward	Count	Total Air Release	Total Water Release	Total Land Release	Total Releases
2006	01	Etobicoke North (1)	11	64.7	0.0	0.0	61.6
2006	02	Etobicoke North (2)	41	1495.6	0.0	0.0	1489.8
2006	03	Etobicoke Centre (3)	3	51.8	0.0	0.0	51.8
2006	05	Etobicoke-Lakeshore (5)	15	1762.8	2636.1	0.0	4324.8
2006	06	Etobicoke-Lakeshore (6)	25	1141.7	0.0	0.0	1093.9
2006	07	York West (7)	29	2186.0	0.0	0.0	2083.2
2006	08	York West (8)	18	510.5	0.1	0.0	493.0
2006	09	York Centre (9)	3	40.0	0.0	0.0	37.9
2006	10	York Centre (10)	1	49.4	0.0	0.0	47.2
2006	11	York South-Weston (11)	7	299.1	0.0	0.0	293.4
2006	12	York South-Weston (12)	3	0.5	0.0	0.0	1.3
2006	14	Parkdale-High Park (14)	1	118.2	0.0	0.0	118.2
2006	15	Eglinton-Lawrence (15)	5	30.3	0.0	0.0	30.4
2006	17	Davenport (17)	1	0.0	0.0	0.0	2.2
2006	18	Davenport (18)	3	38.0	0.0	0.0	30.3
2006	19	Trinity-Spadina (19)	2	4.4	0.0	0.0	3.3
2006	20	Trinity-Spadina (20)	11	127.0	0.0	0.0	119.6
2006	24	Willowdale (24)	2	223.0	0.0	0.0	223.0
2006	25	Don Valley West (25)	1	0.4	0.0	0.0	0.4
2006	26	Don Valley West (26)	10	105.5	0.0	0.0	105.0
2006	27	Toronto Centre-Rosedale (27)	3	263.0	0.0	0.0	254.7
2006	28	Toronto Centre-Rosedale (28)	12	248.9	0.0	0.0	242.9
2006	29	Toronto-Danforth (29)	1	0.0	339.4	0.0	339.4
2006	30	Toronto-Danforth (30)	9	490.6	0.0	0.0	463.5
2006	31	Beaches-East York (31)	2	20.3	0.0	0.0	19.7
2006	32	Beaches-East York (32)	1	85.0	13679.7	0.0	13763.8
2006	33	Don Valley East (33)	2	1.0	0.0	0.0	1.0
2006	34	Don Valley East (34)	4	129.6	0.0	0.0	129.5
2006	35	Scarborough Southwest (35)	12	415.4	21.0	0.0	438.4
2006	36	Scarborough Southwest (36)	2	366.4	0.0	0.0	366.4
2006	37	Scarborough Centre (37)	17	833.1	0.0	0.0	831.2
2006	38	Scarborough Centre (38)	4	36.0	0.0	0.0	36.1
2006	39	Scarborough-Agincourt (39)	3	7.2	0.0	0.0	7.2
2006	40	Scarborough-Agincourt (40)	1	1.3	0.0	0.0	0.0
2006	41	Scarborough-Rouge River (41)	17	1058.8	0.0	0.0	914.4
2006	42	Scarborough-Rouge River (42)	10	179.0	0.0	0.0	178.4
2006	44	Scarborough East (44)	10	1114.1	4765.6	0.0	5862.7
2007	01	Etobicoke North (1)	13	83.0	0.0	0.0	79.8
2007	02	Etobicoke North (2)	43	1520.5	0.0	0.0	1516.2
2007	03	Etobicoke Centre (3)	3	42.4	0.0	0.0	42.4
2007	05	Etobicoke-Lakeshore (5)	15	1688.3	2583.2	0.0	4204.9
2007	06	Etobicoke-Lakeshore (6)	21	909.1	0.0	0.0	860.4
2007	07	York West (7)	30	2280.6	0.0	0.0	2159.4
2007	08	York West (8)	19	455.9	0.2	0.0	437.6
2007	09	York Centre (9)	3	35.8	0.0	0.0	35.2
2007	10	York Centre (10)	1	38.6	0.0	0.0	38.6
2007	11	York South-Weston (11)	7	376.0	0.0	0.0	372.0
2007	12	York South-Weston (12)	4	0.0	0.0	0.0	0.8
2007	14	Parkdale-High Park (14)	2	126.6	0.0	0.0	126.6
2007	15	Eglinton-Lawrence (15)	4	6.2	0.0	0.0	6.3

Report Year	Ward Number	Ward	Count	Total Air Release	Total Water Release	Total Land Release	Total Releases
2007	17	Davenport (17)	2	0.0	0.0	0.0	2.1
2007	18	Davenport (18)	3	21.9	0.0	0.0	20.0
2007	19	Trinity-Spadina (19)	2	3.1	0.0	0.0	2.1
2007	20	Trinity-Spadina (20)	9	140.3	0.0	0.0	132.3
2007	24	Willowdale (24)	3	268.7	0.0	0.0	268.7
2007	26	Don Valley West (26)	11	121.1	0.0	0.0	120.5
2007	27	Toronto Centre-Rosedale (27)	2	274.8	0.0	0.0	266.7
2007	28	Toronto Centre-Rosedale (28)	12	228.4	0.0	0.0	222.1
2007	29	Toronto-Danforth (29)	1	0.0	301.3	0.0	301.3
2007	30	Toronto-Danforth (30)	10	384.0	0.0	0.0	370.0
2007	31	Beaches-East York (31)	2	20.4	0.0	0.0	19.8
2007	32	Beaches-East York (32)	2	80.5	14525.5	0.0	14605.2
2007	33	Don Valley East (33)	3	4.5	0.0	0.0	1.2
2007	34	Don Valley East (34)	5	187.6	0.0	0.0	187.5
2007	35	Scarborough Southwest (35)	12	440.7	19.0	0.0	461.7
2007	36	Scarborough Southwest (36)	2	256.4	0.0	0.0	256.4
2007	37	Scarborough Centre (37)	17	877.9	0.0	0.0	873.6
2007	38	Scarborough Centre (38)	3	34.1	0.0	0.0	34.1
2007	39	Scarborough-Agincourt (39)	2	4.2	0.0	0.0	4.2
2007	40	Scarborough-Agincourt (40)	1	1.1	0.0	0.0	0.0
2007	41	Scarborough-Rouge River (41)	18	789.0	0.0	0.0	676.9
2007	42	Scarborough-Rouge River (42)	9	133.9	0.0	0.0	133.8
2007	44	Scarborough East (44)	9	955.7	4844.5	0.0	5785.3

Appendix B-5: Facilities Reporting, Published and Shown With Emissions by NPRI (2005-2007)

	2005	2006	2007
Facilities Published As Reporting	333	302	305
Facilities With No Published Emissions	58	36	51
Facilities With Published Total Emission Values	275	266	254
Facilities With Published Emissions To Land Values	5	1	1
Facilities With Published Emissions To Water Values	7	7	7
Facilities With Published Emissions To Total Values	265	248	234

Data is “reported” to NPRI in compliance with their requirements. But not everything that is reported is “published”. For example, several Toronto government facilities report emissions to NPRI but such emissions are not published by NPRI, nor are the facilities identified as reporting facilities. A further issue is that many Toronto community facilities are identified as a reporting facility but no emissions are identified as being produced by them.

In this report, and in conformity with the previous report, terminology follows NPRI’s practice and reference is made to Reporting Facilities and not to specific sub-sets to specific media (air, land, or water) facilities.

Appendix C: Links to previous report

“National Pollutant Release Inventory: Toronto's 2005 Annual Report
Staff Report from Deputy City Manager Richard Butts”

(<http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-9217.pdf>)

Map 1 (<http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-9212.pdf>)

Map 2 (<http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-9213.pdf>)

Map 3 (<http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-9214.pdf>)

Map 4 (<http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-9215.pdf>)

Map 5 (<http://www.toronto.ca/legdocs/mmis/2008/pe/bgrd/backgroundfile-9216.pdf>)

Appendix D: Spatial distribution of releases in Toronto reported to NPRI in 2007

- Map 1: City Community Releases to Water by Sewershed Via The City Government's Four Wastewater Treatment Plants, , 2007
- Map 2: Releases to Air, Water & Land by Ward in Toronto, 2007 (no wastewater treatment plants)
- Map 3: Releases to Air of Reported "Substances" and "CACs" by Ward in Toronto, 2007
- Map 4: Releases to Air, Water & Land Standardized By Ward Area in Toronto, 2007 (no wastewater treatment plants)
- Map 5: Releases to Air From 305 Reporting Facilities in Toronto, 2007
- Map 6: Releases to Air From Reporting Facilities in Four Close-Ups in Toronto, 2007
- Map 7: Releases for Toronto Public Health's Identified 25 Toxic Substances By Location of Point Source in Toronto, 2007
- Map 8: Releases for Toronto Public Health's Identified 25 Toxic Substances by Tonnes of Each Release in Toronto, 2007