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## ENVIRONMENT DIRECTORATE JOINT MEETING OF THE CHEMICALS COMMITTEE AND THE WORKING PARTY ON CHEMICALS, PESTICIDES AND BIOTECHNOLOGY

## GLOBAL POLLUTANT RELEASE AND TRANSFER REGISTER, PROPOSAL FOR A HARMONISED LIST OF POLLUTANTS

Series on Pollutant Release and Transfer Registers No. 16

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# OECD Environment, Health and Safety Publications Series on Pollutant Release and Transfer Registers

No. 16

Global Pollutant Release and Transfer Register, Proposal for a Harmonised List of Pollutants



Environment Directorate
ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT
Paris 2014

#### **Publications on Pollutant Release and Transfer Registers**

Pollutant Release and Transfer Registers (PRTRs): A Tool for Environmental Policy and Sustainable Development. Guidance Manual for Governments (OECD/GD(96)32) (1996).

#### PRTR Series

- No. 1: Proceedings of the OECD International Conference on Pollutant Release and Transfer Registers (PRTRs). PRTRs: National and Global Responsibility. Tokyo, 9-11 September 1998. Part 1 (1999).
- No. 2: Proceedings of the OECD International Conference on Pollutant Release and Transfer Registers (PRTRs). PRTRs: National and Global Responsibility. Tokyo, 9-11 September 1998. Part 2 (1999).
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#### **FOREWORD**

In 2009, the 12th meeting of the OECD Task Force on Pollutant Release and Transfer Registers (PRTRs) noted that while there are about 1 200 chemicals in the PRTR Data Centre, only 14 of them are common to all PRTRs. It was recognized that the problem is to some extent related to the use of incorrect CAS numbers, different names for the same substance, etc. The Task Force agreed to eliminate mistakes and regroup (e.g. aggregate) the existing chemicals in order to produce a more harmonised list of chemicals than is available at present and thereby improve the comparability of PRTR data on a global scale. The work was done in three phases: the first phase focused on corrections, the second phase on aggregations, and the third phase on enhancements. Switzerland and the United States have the project and Spain provided financial assistance.

This report outlines the results of this work. It identifies all chemicals covered by five PRTRs and the Kiev Protocol, categorizes these chemicals into general pollutant classes, proposes unique identifiers for pollutants, and identifies common substances across different national/regional PRTRs. The chemical lists developed in this work could form the basis for the future development of guidance or recommendations for core elements of PRTRs. The first version of the document was reviewed and approved by the Task Force on PRTRs in October 2011. The Joint Meeting declassified the document in March 2012.

This document was revised in 2014 to include enhancements to this list of chemicals, such as the integration of chemicals covered under the Kiev Protocol, the addition of chemical-specific threshold information, and the addition of reporting data (e.g. numbers of reporting facilities). The revised document was reviewed and approved by the Task Force on PRTRs in March 2014. The Joint Meeting declassified the document in September 2014.

This document is published under the responsibility of the Joint Meeting of the Chemicals Committee and the Working Party on Chemicals, Pesticides and Biotechnology of the OECD.

#### **EXECUTIVE SUMMARY**

The primary reason for the Organisation for Economic Co-operation and Development (OECD) to propose a common list of pollutants was to increase the comparability of the existing data derived from various PRTR systems. Moreover, comparability is enhanced if newly established systems use the same pollutants and definitions as existing systems.

In 2010, preliminary results with respect to a proposal for a harmonised list of pollutants were presented (Boyce, 2010). A first integrated list with 1 184 uniquely named pollutants was developed using the chemical substance lists from five different PRTR systems: Australia, Canada, European Union, Japan and the U.S.

This preliminary list was then refined to produce the "Long Chemical List." Revisions made included combining duplicate entries, separating similar entries that correspond to different chemicals, and making corrections to erroneous entries. In addition, chemicals covered under the Kiev Protocol on Pollutant Release and Transfer Registers were integrated into the list. The revised Long Chemical List included 1086 chemicals covered by each of the five PRTRs. Following discussions with the representatives of the PRTR systems involved, the Long Chemical List was divided into 13 general pollutant classes (Table 1).

Table 1: Distribution of Long List Chemicals across Classes

Class	<u>Chemicals</u>	
Class	Count	Percent
1. Persistent Organic Pollutants (POPs)	42	4%
2. Metals*	76	7%
3. Inorganic substances	26	2%
4. Chlorinated and brominated organic substances	95	9%
5. Ozone depleting substances	42	4%
6. Greenhouse gases (GHGs)	6	1%
7. Other gases	27	2%
8. Polycyclic aromatic hydrocarbons (PAHs)	40	4%
9. Other organic substances	356	33%
10. Active substances of plant protection products or biocidal products	261	24%
11. Colors and dyes	20	2%
12. Active pharmaceutical ingredient (API)	8	1%
13. Non-grouped organic substances	87	8%
Total	1 086	100%

<sup>\*</sup>Note that the term 'heavy metals' used in the E-PRTR system is replaced with the term 'metals' to comply with the IUPAC interpretation.

The next step in the project was to define a common list of pollutants (a "Short Chemical List") that includes chemicals that most countries would agree represents the most toxic or environmentally-relevant chemicals in commerce. This Short Chemical List would serve as a tool for consideration in the development of new PRTRs and the enhancement of existing PRTRs.

Three options for developing the common list of pollutants (Short Chemical List) were considered (Table 2):

- **Option 1:** Include chemicals covered by four or more of the five PRTRs, all Persistent Organic Pollutants (POPs), and all Greenhouse Gases (GHGs).
- **Option 2:** Include chemicals covered by three or more of the five PRTRs, all Persistent Organic Pollutants (POPs), and all Greenhouse Gases (GHGs).
- Option 3: Include chemicals covered by four or more of the five PRTRs, all Persistent Organic Pollutants (POPs), all Greenhouse Gases (GHGs), and all chemicals covered under the Kiev Protocol.

Table 2. Total Number of Pollutants Present on the Short Chemical List

			Number of Entries			
	Class	Chemicals in at least 4 PRTR Systems + POPs + GHGs (Option 1)	Chemicals in at least 3 PRTR Systems + POPs + GHGs (Option 2)	Chemicals in at least 4 PRTR Systems + POPs + GHGs + Kiev Protocol (Option 3)		
1.	Persistent Organic Pollutants (POPs)	24	24	24		
2.	Metals	13	16	13		
3.	Inorganic substances	3	7	8		
4.	Chlorinated and brominated organic substances	11	22	17		
5.	Ozone depleting substances	3	3	3		
6.	Greenhouse gases (GHGs)	6	6	6		
7.	Other gases	3	10	7		
8.	Polycyclic aromatic hydrocarbons (PAHs)	2	8	3		
9.	Other organic substances	29	76	35		
10.	Active substances of plant protection products or biocidal products	-	5	10		
11.	Colors and dyes	=	=	=		
12.	Active pharmaceutical ingredient (API)	<del></del>	<del></del>	-		
13.	Non-grouped organic substances	<u>-</u>	<u>-</u>	<u>-</u>		
Tota	al	94	177	126		

Following review by the Task Force on PRTRs, the Short Chemical List was finalized as the 126 chemicals selected under Option 3.

Two tasks were then undertaken to enhance these Long and Short Chemical Lists with contextual information that may be of use for applying the lists to develop and enhance of PRTRs:

- 1. **Addition of chemical-specific thresholds:** documenting reporting thresholds associated with each pollutant established under each PRTR system; and
- 2. **Addition of reporting data:** appending measures of how frequently each chemical is reported to each PRTR.

The enhanced Long and Short Chemical Lists are presented in Annexes 2 and 3.

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#### **ABBREVIATIONS**

API Active Pharmaceutical Ingredient

BTEX Benzene, Toluene, Ethylbenzene and Xylene

CAC Criteria Air Contaminants

CAS Number Chemical Abstracts Service number

CEPA Canadian Environmental Protection Act

CFC Chlorofluorocarbon

DDT Dichlorodiphenyltrichloroethane

EEA European Environmental Agency

EPCRA Emergency Planning and Community Right-to-know Act

E-PRTR European Pollutant Release and Transfer Register

GHG Greenhouse Gas

HCB Hexachlorobenzene

HCFC Hydrochlorofluorocarbon

HFC Hydrofluorocarbon

MOE Ministry of the Environment

NIES National Institute for Environmental Studies

NIP National Implementation Plan

NPI National Pollutant Inventory

NPRI National Pollutant Release Inventory

OAR Office of Air and Radiation

OECD Organisation for Economic Co-Operation and Development

PAH Polycyclic Aromatic Hydrocarbon

PCB Polychlorinated Biphenyls

PCDD Polychlorinated Dibenzodioxin

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PCDF Polychlorinated Dibenzofuran

PFC Perfluorocarbon

POP Persistent Organic Pollutant

PRTR Pollutant Release and Transfer Register

TCDD 2,3,7,8-Tetrachlorodibenzo-P-Dioxin

TEF Toxic Equivalency Factor

TEQ Toxic Equivalent

TFPRTR Task Force on Pollutant Release and Transfer Registers

TRI Toxics Release Inventory (The U.S.)

TSMP Toxic Substances Management Policy

U.S. EPA United States Environmental Protection Agency

UNECE United Nations Economic Commission for Europe

UNEP United Nations Environment Programme

UNFCCC United Nations Framework Convention on Climate Change

VOC Volatile Organic Compound

WHO World Health Organization

IUPAC International Union of Pure and Applied Chemistry

PBT Persistent, Bio-Accumulative and Toxic

#### 1. BACKGROUND AND OBJECTIVES

Pollutant Release and Transfer Register (PRTR) systems have been established throughout the world to track releases and transfers of potentially harmful chemicals. Most of the PRTR systems established to date were designed to meet the needs of a specific country or region, with less attention being given to the comparability of the data among different PRTRs. Consequently, many PRTRs have differing requirements in terms of covered chemicals. Their respective differences confound integration of data across programs and hamper comparative analyses and aggregation of the valuable information PRTRs contain.

As a result of the recent and ever increasing emphasis on sustainable development as a global priority, there is a growing need to evaluate progress at the global level, not just at the country-specific, regional or continental levels. PRTRs are demonstrably practical and powerful pollution prevention tools that can be used to meet this need, however, combining and comparing PRTR data and information for use in global scale analysis remains a challenge. The OECD Task Force on Pollutant Release and Transfer Registers (TFPRTR) is currently undertaking an effort to address the growing need for data to be more comparable across PRTR systems. The primary reason for the Organisation for Economic Co-operation and Development (OECD) to propose a common list of pollutants was to increase the comparability of the existing data derived from various PRTR systems. Moreover, comparability is enhanced, if newly established systems use the same pollutants and definitions as existing systems.

The aim of the project was to evaluate the chemicals covered by five existing PRTRs<sup>1</sup>. The first step was to create list of chemicals covered by any of the five existing PRTRs and those chemicals recommended in the UNECE Kiev Protocol on PRTRs<sup>2</sup> (the "Long Chemical List"). The next step in the project was to define a common list of pollutants (the "Short Chemical List") meant to include chemicals that most countries would agree represent the most toxic or environmentally-relevant chemicals in commerce and, therefore, may be considered to be included in any PRTR system.

The Long and Short Chemical Lists are meant to serve as tools for consideration in the development of new PRTRs and enhancement of existing PRTRs, such that new and updated PRTRs can be designed to collect data comparable to the scope of and information collected by existing PRTR systems.

The outlines methods used and results from the comparison of chemical coverage across PRTRs and the development of the Long and Short Chemical Lists.

<sup>&</sup>lt;sup>1</sup> Australia's NPI (National Pollutant Inventory), Canada's NPRI (National Pollutant Release Inventory), EU's E-PRTR (European Pollutant Release and Transfer Register), Japan's PRTR (Pollutant Release and Transfer Register) and US's TRI (Toxics Release Inventory)

<sup>&</sup>lt;sup>2</sup> Chemicals in the Kiev Protocol were added to the Long Chemical List when this document was revised in *[date to be confirmed]*. The UNECE Kiev Protocol on Pollutant Release and Transfer Registers is the first legally binding international instrument on pollutant release and transfer registers. Its objective is "to enhance public access to information through the establishment of coherent, nationwide pollutant release and transfer registers (PRTRs)." The Protocol became international law binding its Parties on 8 October 2009. For more information go to *www.unece.org/env/pp/prtr.html*.

#### 2. CONSIDERED PRTR PROGRAMS

The following PRTR programs were considered for a proposal for a harmonised list of pollutants:

- Australia's National Pollutant Inventory (NPI);
- Canada's National Pollutant Release Inventory (NPRI);
- The European Pollutant Release and Transfer Register (E-PRTR);
- Japan's Pollutant Release and Transfer Register (PRTR); and
- The U.S.'s Toxics Release Inventory (TRI) Program.

Chemicals recommended in the UNECE Kiev Protocol on PRTRs were also considered for the harmonised list.

The substance lists and reporting thresholds for each considered PRTR programs are described in the following sections.

Note that, in some countries, complementary mechanisms are used to track and report on pollutants and substances of concern (e.g. Persistent Organic Pollutants (POPs), Greenhouse Gases (GHGs)). The existence of separate systems for tracking certain pollutants may account for some differences in the chemicals covered by each PRTR.

#### 2.1 Australian National Pollutant Inventory (NPI)

The National Pollutant Inventory (NPI) is a public Internet database of air, land and water emissions of 93 substances and transfers of NPI substances in waste, from industrial facilities; and emissions of diffuse sources. The objectives of the NPI are to (Australian Government, 2012):

- Help industry and government with environmental planning and management;
- Give the community up-to-date information about substance emissions and transfers from industrial facilities; and
- Promote waste minimization, cleaner production, and energy and resource efficiency.

Each year Australian industrial facilities who trip defined thresholds for the 93 NPI substances, must estimate and report their emissions and transfers of NPI substances in waste, to their state or territory environment agency. The state and territory environment agencies review all NPI reports for completeness and forward the data to the Australian Government (Australian Government, 2012). The data is then displayed on the NPI website (Australian Government, 2013a).

In the development of the proposal for a harmonised list of pollutants, the 93 NPI substances were used. These substances are included in the Harmonised List of Pollutants (Long Chemical List) in Annex 2 of this report.

The NPI has six different threshold categories with each of the 93 NPI substances listed in one or more of these categories (Table 3).

Table 3. National Pollutant Inventory (NPI) Threshold Categories

Category	Threshold Category Descriptions		
	Based on Substance Usage		
	Category 1 contains a broad range of substances that are typically used for production. Most of the NPI		
1	substances fall into this category.		
1	The threshold for this category is the 'use' of 10 tons or more per year of a Category 1 substance. For		
	NPI purposes 'use' is defined as the handling, manufacture, import, processing, coincidental		
	production, or other use of a substance.		
	Based on Substance Usage		
	Category 1a is the use of 25 tons or more per year of Total VOC.		
1a	For the purpose of NPI reporting, Total VOC are defined as:		
	any chemical compound based on carbon chains or rings with a vapour pressure greater than 0.01 kPa		
	at 293.15 K (i.e. 20 °C), that participate in atmospheric photochemical reactions.		
	Based on Substance Usage		
1b	Category 1b contains only mercury and compounds. Due to the high toxicity of mercury and exposure		
	potential, it has a lower threshold than Category 1 substances. The threshold for mercury and compounds is the use of 5 kg or more in the reporting year.		
	Based on Fuel Combusted		
	This category contains a group of substances that are common products of combustion or other thermal		
2a	processes. The NPI reporting thresholds for this category are:		
24	- burning of 400 tons or more of fuel and/or waste in the reporting year, or		
	- burning of 1 ton or more of fuel and/or waste in an hour at any time during the reporting year.		
-	Based on Fuel Combusted		
	This category also contains substances that are common products of combustion or other thermal		
	processes and includes all Category 2a substances. It also includes metals and compounds emitted		
	when fuels (especially coal and oil) are burnt. The NPI thresholds for this category of substances are:		
2b	- burning 2'000 tons and/or more of fuel or waste in the reporting year		
	- consuming 60'000 megawatt hours or more of electrical energy for other than lighting or motive		
	purposes in the reporting year, or		
	- having maximum potential power consumption of 20 megawatts or more for other than lighting		
	or motive purposes in the reporting year.		
	Based on Substance Usage, Including Transfers		
	The threshold for Category 3 is based on the actual amount of Total Nitrogen and/or Total Phosphorus:		
	- emitted to water (excluding groundwater);		
3	<ul> <li>transferred to a mandatory reporting transfer destination; or</li> <li>emitted to water and transferred to a mandatory reporting transfer destination.</li> </ul>		
3	Emissions and transfers to mandatory destinations of both Total Nitrogen and Total Phosphorus have		
	to be reported, if any of the above are at, or above:		
	- 15 tons per year for Total Nitrogen, and/or		
	- 3 tons per year for Total Phosphorus.		
	F - J - J - T - T - T - T - T - T - T - T		

#### Source:

Australian Government. Department of Sustainability, Environment, Water, Population and Communities (2012), *National Pollutant Inventory Guide, Version 5.3*, Australian Government, Canberra,

www.npi.gov.au/sites/www.npi.gov.au/files/resources/2e4b4a22-ae4f-4254-55a2-e0098b016897/files/npiguide.pdf.

With respect to POPs according to the Stockholm Convention, the Australian Government has developed a National Implementation Plan (NIP), which outlines the actions that Australia has taken to date in reducing the presence of POPs; and will take in the future to meet its obligations under the Convention (Australian Government, 2011a). The NIP also sets out the roles and responsibilities of the Australian government and ministerial councils in the management of chemicals in Australia.

With respect to GHGs according to the United Nations Framework Convention on Climate Change (UNFCCC), greenhouse gas emissions are reported to the National Greenhouse Gas Inventory, which provides estimates of Australian greenhouse gas emissions based on the latest available data and the accounting rules that apply for the Kyoto Protocol (Australian Government, 2013b).

#### 2.2 Canadian National Pollutant Release Inventory (NPRI)

The National Pollutant Release Inventory (NPRI) is Canada's legislated, publicly accessible inventory of pollutant releases, disposals and recycling. Sections 46–50 of the *Canadian Environmental Protection Act, 1999* (CEPA 1999) contain information-gathering provisions that allow the Minister of the Environment to require reporting of information on substances. The provisions also require the Minister to establish and publish a national inventory of releases and transfers of pollutants.

These provisions under CEPA 1999 form the primary legislative basis for the NPRI. The NPRI reporting requirements are published annually in the *Canada Gazette* (Environment Canada, 2013a).

NPRI information is a major starting point for identifying and monitoring sources of pollution in Canada, and in developing indicators for the quality of air, land and water. The NPRI helps determine if regulatory or other action is necessary to ensure reductions, and if so, the form that action should take. The NPRI provides Canadians with annual information on industrial, institutional, commercial and other releases and transfers in their communities (Environment Canada, 2012a). The NPRI is made accessible on the Internet (Environment Canada, 2013b).

In the development of the proposal for a harmonised list of pollutants, the substance list from 2010 was used (Government of Canada, 2010). These substances are included in the Harmonised List of Pollutants (Long Chemical List) in Annex 2 of this report.

For 2010, 346 substances or substance groups were listed on the (NPRI) grouped into five different parts (see Table 4).

Table 4. Parts of National Pollutant Release Inventory (NPRI) Substance List 2010

Part	Substances	
1	Lists 231 substances and groups of substances and is divided into Groups 1 through 4, based on thresholds and information to be reported	
2	Lists 29 individual polycyclic aromatic hydrocarbons (PAHs)	
3	Lists 7 dioxins, 10 furans and hexachlorobenzene (HCB)	
4	Lists 7 criteria air contaminants (CACs)	
5	Lists 75 selected volatile organic compounds (VOCs) and groups of VOCs with additional reporting requirements (speciated VOCs)	

Source:

Environment Canada (2012a), Guide for Reporting to the National Pollutant Release Inventory (NPRI) 2012 and 2013: Canadian Environmental Protection Act, 1999 (CEPA 1999), Environment Canada, Gatineau, www.ec.gc.ca/inrp-npri/AFC98B81-A734-4E91-BD16-C5998F0DDE6B/2012-2013 NPRI Guide.pdf.

Due to certain substances being listed within Parts 1-4 as well as in Part 5, there are more than 346 substance entries ((Government of Canada, 2010), Table 4). The Threshold Category Descriptions for the different parts of the inventory are summarized in Table 5.

**Table 5. Threshold Category Descriptions** 

Part	Threshold Category Descriptions	
1A	A report is required for one or more substances if they were manufactured, processed or otherwise used (MPO) at a facility at a concentration ≥1% by weight (except for by-products and mine tailings) and in a	
1B	quantity of 10 tons or more, and employees worked 20'000 hours or more at a facility.  A report is required for substances if they were manufactured, processed or otherwise used at a facility in quantities equal to or exceeding quantity and concentration thresholds, and employees worked 20'000 hours or more at a facility. The concentration threshold is not applicable for by-products or tailings/waste rock.	
2	A report is required for substances if polycyclic aromatic hydrocarbons (PAHs) were incidentally manufactured or present in mine tailings, and released, disposed or transferred from a facility in a combined quantity of 50 kilograms or more, and employees worked 20'000 hours or more at a facility. Wood preservation facilities using creosote must report regardless of the reporting threshold for PAHs and regardless of the number of hours worked by employees.	
3	A report is required for substances if a facility was engaged in specific activities.	
4	All facilities are required to consider Criteria Air Contaminants (CACs) released from stationary combustion equipment regardless of the number of employees at the facility. Additionally, facilities with greater than 20'000 employee hours must also consider all other sources of CACs at the facility.	
5	A report is required for any of the 75 listed Volatile Organic Compounds (VOCs) (including individual substances, isomer groups and other groups and mixtures) if they were released to air in a quantity of 1 ton or greater and the 10 tons air release threshold for VOCs (under Part 4) was met.	

#### Source

Environment Canada (2012a), Guide for Reporting to the National Pollutant Release Inventory (NPRI) 2012 and 2013: Canadian Environmental Protection Act, 1999 (CEPA 1999), Environment Canada, Gatineau, www.ec.gc.ca/inrp-npri/AFC98B81-A734-4E91-BD16-C5998F0DDE6B/2012-2013 NPRI Guide.pdf.

With respect to POPs, the Government of Canada is leading the way in emission reductions on the domestic front. Under the Toxic Substances Management Policy (TSMP), toxic substances that are determined to be persistent, bioaccumulative and resulting primarily from human activity are known as Track 1 substances, and targeted for virtual elimination from the environment. The twelve substances subject to the draft POPs Convention are being managed under the TSMP (Environment Canada, 2000).

Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI (Environment Canada, 2013c).

#### 2.3 European Pollutant Release and Transfer Register (E-PRTR)

The European Pollutant Release and Transfer Register (E-PRTR) is the new Europe-wide register that provides easily accessible key environmental data from industrial facilities in European Union Member States (EU27) and in Iceland, Liechtenstein, Norway, Serbia and Switzerland (EEA, 2013).

The EU27 is composed of the following 27 sovereign Member States: Austria, Belgium, Bulgaria, Cyprus<sup>3, 4</sup>, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland,

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<sup>&#</sup>x27; Footnote by Turkey

The information in this document with reference to « Cyprus » relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognizes the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is

Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, and the United Kingdom.

The E-PRTR system is a representation of harmonised requirements for a total of 32 countries, among them 24 OECD member states.

Regulation (EC) No 166/2006 of the European Parliament and of the Council (European Commission, 2006a) concerning the establishment of a European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC"1 (the 'E-PRTR Regulation') was adopted on 18<sup>th</sup> January 2006. The E-PRTR Regulation aims to enhance public access to environmental information through the establishment of a coherent and integrated E-PRTR, thereby finally also contributing to the prevention and reduction of pollution, delivering data for policy makers and facilitating public participation in environmental decision making. The Regulation establishes an integrated pollutant release and transfer register at Community level in the form of a publicly accessible electronic database and lays down rules for its functioning, in order to implement the UN-ECE Protocol on Pollutant Release and Transfer Registers and facilitate public participation in environmental decision making, as well as contributing to the prevention and reduction of pollution of the environment (European Commission, 2006a).

Annex II of the E-PRTR Regulation lists the 91 pollutants that are relevant for reporting under the E-PRTR. The pollutants are specified by a consecutive number, the CAS number, where available, and the name of the pollutant (European Commission, 2006a). These pollutants are included in the Harmonised List of Pollutants (Long Chemical List) in Annex 2 of this report.

The register currently contains annual data reported by some 65 economic activities within the following 9 industrial sectors (EEA, 2013):

- Energy;
- Production and processing of metals;
- Mineral industry;
- Chemical industry;
- Waste and waste water management;
- Paper and wood production and processing;
- Intensive livestock production and aquaculture;
- Animal and vegetable products from the food and beverage sector; and
- Other activities.

found within the context of the United Nations, Turkey shall preserve its position concerning the "Cyprus issue".

The Republic of Cyprus is recognised by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the Government of the Republic of Cyprus.

<sup>&</sup>lt;sup>4</sup> Footnote by all the European Union Member States of the OECD and the European Union

Data is provided in the register for 91 pollutants falling under the following 7 groups (EEA, 2013):

- Greenhouse gases;
- Other gases;
- Heavy metals;
- Pesticides:
- Chlorinated organic substances;
- Other organic substances; and
- Inorganic substances.

A facility has to report data under E-PRTR if it fulfils the following criteria (European Commission, 2006a):

- The facility falls under at least one of the 65 E-PRTR economic activities listed in Annex I of the E-PRTR Regulation and exceeds at least one of the E-PRTR capacity thresholds; and
- The facility transfers waste off-site which exceed specific thresholds set out in Article 5 of the Regulation; or
- The facility releases pollutants which exceed specific thresholds specified for each media air, water and land in Annex II of the E-PRTR Regulation.

The data to be reported annually by each facility for which the applicable thresholds are exceeded are the following (European Commission, 2006a):

- Releases to air, water and land of any of the 91 E-PRTR pollutants.
- Off-site transfers of any of the 91 E-PRTR pollutants in waste water destined for waste-water treatment outside the facility.
- Off-site transfers of waste (reported as tonnes per year) for recovery or disposal. For transboundary
  movements of hazardous waste outside the reporting country, details of the waste receivers have to
  be provided.
- The reported releases include any introduction of any of the listed pollutants into the environment as a result of any human activity, whether deliberate, accidental, routine or non-routine, at the site of the facility.

The first 12 POPs listed in annexes to the Stockholm Convention on Persistent Organic Pollutants (UNEP, 2010) were aldrin, chlordane, dieldrin, endrin, heptachlor, hexachlorobenzene (HCB), mirex, toxaphene, polychlorinated biphenyls (PCB), DDT, dioxins and furans. These substances are included in the E-PRTR. Some of the new POPs are also already included. The inclusion of the remaining new POPs is currently being discussed (European Commission, personal communication).

The UNFCCC GHGs are also included in the E-PRTR.

#### 2.4 Japanese Pollutant Release and Transfer Register (PRTR)

The characteristics of the Japanese PRTR system is to promote voluntary improvement of the management of chemical substances by business operators and to prevent any impediments to the preservation of the environment by taking measures for the confirmation of release amounts, etc. of specific chemical substances in the environment by business operators. The PRTR information plaza provides PRTR-related information, from an overview of the PRTR system to the results of data collected (Government of Japan, n.d.a).

The PRTR is a system that (i) requires businesses handling chemical substances potentially hazardous to the environment to estimate the amounts of chemical substances released and transferred in waste, and to report the data to their local governments, and (ii) the national government then compiles data submitted and makes the results public. The PRTR aims to establish a common background for risk communication among the government, the business operators and the public by providing data about releases of chemical substances to the environment. These data also help the business operators to manage their releases. In consequence, it can contribute to the reduction of environmental risks from chemical substances (Government of Japan, n.d.a).

Chemical substances that are subject to the PRTR are called Class I Designated Chemical Substances (Government of Japan, 2006). Class II Designated Chemical Substances are not subject to the PRTR system (Government of Japan, 2006).

Class I Designated Chemical Substances are those that come under any of the following conditions of hazard and are recognized as being persistent in the environment (Government of Japan, n.d.a).

- Chemical substances that may be hazardous to human health and/or may adversely affect the ecosystem,
- Chemical substances that may easily form hazardous chemical substances through a naturally-occurring chemical transformation,
- Chemical substances that deplete the ozone layer.

Class II Designated Chemical Substances are those that come under any of the following conditions of hazard and are expected to occur less frequently in the environment (Government of Japan, n.d.a).

- Chemical substances that may be hazardous to human health and/or may adversely affect the ecosystem,
- Chemical substances that may easily form hazardous chemical substances through naturally-occurring chemical transformation.
- Chemical substances that deplete the ozone layer.

The list of Class I substances was expanded from 354 to 462 substances in 2008 (applied for reporting in Japanese Fiscal Year 2010). The list of 462 Class I Designated substances are presented in Annex 1 and is included in the Harmonised List of Pollutants (Long Chemical List) in Annex 2 of this report (Government of Japan, 2010).

The following reporting thresholds are applied (Government of Japan, n.d.a):

- i. by business
  - type of business: 24 industries
- size of business operators: business operators with 21 or more regular employees
- ii. by facilities
  - Annual amount handled, etc.: facilities with an annual amount of 1 ton or more (5 tons or more for the initial 2 years), but 0.5 tons or more for Specific Class 1 Designated Chemical Substances; or
  - A business operator that has a facility meeting the specific requirements
    - o Relevant facilities under the Mine Safety Law
    - Sewage disposal facilities
    - o Domestic waste disposal facilities/Industrial waste disposal facilities
    - o Specific facilities under the Act on Special Measures against Dioxins

In 1974, the Environment Agency, the former Ministry of the Environment (MOE), of Japan introduced a "System of Investigation of Chemical Substances in the Environment". Since then, a systematic environmental survey and monitoring of chemicals, including POPs, have been carried out (Government of Japan, 2005).

Japan has the program to mandate entities that emit considerably large amounts of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government has publicized the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops a national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol (NIES, 2013).

#### 2.5 U.S. Toxics Release Inventory (TRI)

Reporting to the Toxics Release Inventory (TRI) is required by Section 313 of the Emergency Planning and Community Right to Know Act (EPCRA, or Title III of the Superfund Amendments and Reauthorization Act of 1986), Public Law 99 499. Reporting is required to provide the public with information on the releases and other waste management of EPCRA Section 313 chemicals in their communities and to provide EPA with release and other waste management information to assist the Agency in determining the need for future regulations. Facilities must report the quantities of routine and accidental releases, and releases resulting from catastrophic or other one-time events of EPCRA Section 313 chemicals, as well as the maximum amount of the EPCRA Section 313 chemical on-site during the calendar year and the amount contained in wastes managed on-site or transferred off-site (U.S. EPA, 2013a).

The current TRI toxic chemical list contains 593 individually listed chemicals and 30 chemical categories (including 3 delimited categories containing 62 chemicals ((U.S. EPA, 2013b)). If the members of the three delimited categories are counted as separate chemicals then the total number of chemicals and chemical categories is 682 (i.e. 593 + 27 + 62) (U.S. EPA 2013b).

On November 26, 2010, EPA finalized a rule (U.S. EPA 2013c) to provide communities with additional information about toxic chemicals being released to the environment. The rule, which will be

effective on November 30, 2010, adds 16 chemicals to the TRI list of reportable chemicals (U.S. EPA 2013c).

Section 313 of EPCRA requires that reports be filed by owners and operators of facilities that meet all of the following criteria (U.S. EPA, 2013a):

- The facility has 10 or more full-time employee equivalents (i.e., a total of 20,000 hours or greater; see 40 CFR 372.3); and
- The facility is included in a North American Industry Classification System (NAICS) code.

The facility manufactures (defined to include importing), processes, or otherwise uses any EPCRA Section 313 chemical in quantities greater than the established threshold in the course of a calendar year.

The term "manufacture" means to produce, prepare, compound, or import an EPCRA Section 313 chemical. The term "manufacture" also includes coincidental production of an EPCRA Section 313 chemical (e.g., as a by-product or impurity) as a result of the manufacture, processing, otherwise use or disposal of another chemical or mixture of chemicals. In the case of coincidental production of an impurity (i.e., an EPCRA Section 313 chemical that remains in the product that is distributed in commerce), the *de minimis* exemption as discussed below applies (U.S. EPA, 2013a).

The term "process" means the preparation of a listed EPCRA Section 313 chemical, after its manufacture, for distribution in commerce. Processing is usually the incorporation of an EPCRA Section 313 chemical into a product (U.S. EPA, 2013a).

The term "otherwise use" means any use of an EPCRA Section 313 chemical, including an EPCRA Section 313 chemical contained in a mixture or other trade name product or waste, that is not covered by the terms manufacture or process (U.S. EPA, 2013a).

EPCRA Section 313 reporting is required if threshold quantities are exceeded. Separate thresholds apply to the amount of the EPCRA Section 313 chemical that is manufactured, processed or otherwise used (U.S. EPA, 2013a):

- A report has to be submitted for any EPCRA Section 313 chemical that is not listed as a PBT chemical and which is manufactured or processed at a facility in excess of 25 000 pounds per toxic chemical or category over the calendar year.
- A report has to be submitted for any EPCRA Section 313 chemical which is not listed as a PBT chemical and that is otherwise used at a facility in excess of 10 000 pounds per toxic chemical or category over the calendar year.
- A report has to be submitted for any EPCRA Section 313 chemical that is listed as a PBT chemical and which is manufactured, processed or otherwise used at a facility above the designated threshold (see Table 4) for that chemical.

All releases and other waste management quantities greater than 0.1 pounds of a PBT chemical (except the dioxin and dioxin-like compounds chemical category) should be reported. For the dioxin and dioxin-like compounds chemical category, which has a reporting threshold of 0.1 g, facilities need only report all release and other waste management quantities greater than 100 µg (U.S. EPA, 2013a).

The *de minimis* exemption allows facilities to disregard certain minimal concentrations of non-PBT chemicals in mixtures or other trade name products when making threshold determinations and release and other waste management calculations. The *de minimis* exemption does not apply to the manufacture of an EPCRA Section 313 chemical except if that EPCRA Section 313 chemical is manufactured as an impurity and remains in the product distributed in commerce, or if the EPCRA Section 313 chemical is imported below the appropriate *de minimis* level. The *de minimis* exemption does not apply to a by-product manufactured coincidentally as a result of manufacturing, processing, otherwise use, or any waste management activities. The *de minimis* exemption does not apply to any PBT chemical (except lead when it is contained in stainless steel, brass or bronze alloy) or PBT chemical category as presented in Table 6 (U.S. EPA, 2013a).

Table 6. Reporting threshold for PBT chemicals under the Toxics Release Inventory (TRI) Program

Chemical or chemical category name	CAS number or chemical category code	Threshold (pounds, unless noted otherwise)
Aldrin	309-00-2	100
Benzo[g,h,i]perylene	191-24-2	10
Chlordane	57-74-9	10
Dioxin and dioxin-like compounds category (manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds category if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical)	N150	0.1 gram
Heptachlor	76-44-8	10
Hexachlorobenzene	118-74-1	10
Isodrin	465-73-6	10
Lead (this lower threshold does not apply to lead when it is contained in stainless steel, brass or bronze alloy)	7439-92-1	100
Lead compounds	N420	100
Mercury	7439-97-6	10
Mercury compounds	N458	10
Methoxychlor	72-43-5	100
Octachlorostyrene	29082-74-4	10
Pendimethalin	40487-42-1	100
Pentachlorobenzene	608-93-5	10
Polychlorinated biphenyls (PCBs)	1336-36-3	10
Polycyclic aromatic compounds category (PACs)	N590	100
Tetrabromobisphenol A	79-94-7	100
Toxaphene	8001-35-2	10
Trifluralin	1582-09-8	100

Note:

The respective de minimis percent limits for the non-PBT chemicals are summarized.

Some of the first 12 POPs listed in annexes to the Stockholm Convention on Persistent Organic Pollutants (UNEP, 2010) are included in the TRI. The United States has taken strong domestic action to reduce emissions of POPs. For example, none of the original POPs pesticides listed in the Stockholm Convention is registered for sale and distribution in the United States today and in 1978, Congress prohibited the manufacture of PCBs and severely restricted the use of remaining PCB stocks. In addition, since 1987, EPA and the states have effectively reduced environmental releases of dioxins and furans to

U.S. EPA (2013a), Toxic Chemical Release Inventory Reporting Forms and Instructions Revised 2012 Version, EPA 260-R-13-001, U.S. EPA, Washington, www.epa.gov/tri/reporting materials/rfi/ry2012rfi.pdf.

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land, air, and water from U.S. sources. These regulatory actions, along with voluntary efforts by U.S. industry, resulted in a greater than 85% decline in total dioxin and furan releases after 1987 from known industrial sources (U.S. EPA, 2012).

With respect to GHGs, the U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which require reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information are made available to the public (U.S. EPA 2013d).

#### 3. PREPARATION OF A HARMONISED LIST OF POLLUTANTS (LONG CHEMICAL LIST)

#### 3.1 Preliminary harmonised list of pollutants

During the OECD Task Force Meeting of 19 - 21 May 2010, preliminary results with respect to the proposal for a harmonised list of chemicals were presented (Boyce, 2010). Using the chemical substance lists from five different PRTRs - Australia, Canada, European Union, Japan and the U.S. - a first integrated list with 1 184 uniquely named chemicals was compiled. This Long Chemical List included 821 chemicals with unique CAS numbers and 41 chemicals for which CAS numbers could not be identified. Of the chemicals with CAS numbers, 13 were found to be covered by five of the PRTRs and 21 were covered by four of the PRTRs.

#### 3.2 Review of the harmonised list of pollutants

Several challenges were encountered when comparing chemical coverage among PRTRs (Table 7; Section 6).

Table 7: Challenges Encountered when of Comparing Chemical Coverage among PRTRs

Challenge	Example
CAS numbers with different formats in different	• 000079-06-1 Acrylamide
PRTR systems	• 79-06-1 Acrylamide
A single CAS number representing different	• 79-10-7 Acrylic acid
chemicals in different PRTR systems	• 79-10-7 Acrylic acid (and its salts)
No CAS number, but nearly identical chemical	Cadmium & compounds
name in different PRTR systems	<ul> <li>Cadmium (and its compounds)</li> </ul>
Similar chemical names representing different chemicals in different PRTR systems	Cyanides (as total CN)
	<ul> <li>Inorganic cyanide compounds (except complex salts and</li> </ul>
Chemicals in different i KTK systems	cyanates)

Source:

Boyce, B. (2010), Comparability of Pollutants in Global PRTR, paper presented at OECD Task Force Meeting, Paris, 19 - 21 May.

To address these challenges, a detailed review of covered chemicals was performed. The harmonised list was discussed with the five different PRTRs prior to finalization. The entries on the list were checked and many suggestions for corrections and improvements were made (see Section 6). Chemicals deemed to be covered consistently across PRTRs were combined. Chemical records found to represent different chemicals across PRTRs were separated. If chemical coverage was similar, but not identical, across PRTRs, chemical records were combined and differences among PRTRs were noted.

Moreover, inputs for further entries to be implemented in the 2011 versions of the PRTR system (Japan, the U.S.) or suggestions for future entries (E-PRTR) were made. For example, nine new POPs were added to the Long Chemical List.

The Long Chemical List was then further reviewed through comparison to resources such as: environmental regulations and statutes, published guidance documents for PRTR filers, and other

published and unpublished PRTR specific materials. Any remaining oddities identified in the Long and Short Chemical Lists (e.g. duplicate CAS numbers) were resolved, for example:

- Incorrect CAS numbers were revised,
- Duplicate entries (same chemical) were consolidated,
- A record was added to the Long Chemical List for "Chlorotrifluoroethane; HCFC-133," covered by Japan's PRTR; and
- Unique record identifiers (IDs) were assigned to pollutants if a CAS number is not available or is inappropriate (e.g. halons). These IDs are stored in the CAS ID field and are now formatted consistently; all use "LCL-#" (referring to Long Chemical List).

#### 3.3 Categorization of pollutants

Chemicals on the Long Chemical List were placed into the thirteen classes based on their chemical properties, potential environmental impacts, and industrial applications (Table 8). The two largest classes, other organic substances and active substances of plant protection products or biocidal products, contained over half (617) of the chemicals on the Long Chemical List.

Table 8: Distribution of Long List Chemicals across Classes

Class	Chemicals	
Class	Count	Percent
1. Persistent Organic Pollutants (POPs)	42	4%
2. Metals*	76	7%
3. Inorganic substances	26	2%
4. Chlorinated and brominated organic substances	95	9%
5. Ozone depleting substances	42	4%
6. Greenhouse gases (GHGs)	6	1%
7. Other gases	27	2%
8. Polycyclic aromatic hydrocarbons (PAHs)	40	4%
9. Other organic substances	356	33%
10. Active substances of plant protection products or biocidal products	261	24%
11. Colors and dyes	20	2%
12. Active pharmaceutical ingredient (API)	8	1%
13. Non-grouped organic substances	87	8%
Total	1 086	100%

<sup>\*</sup>Note that the term 'heavy metals' used in the E-PRTR system is replaced with the term 'metals' to comply with the IUPAC interpretation.

Chemicals within each of these thirteen classes were then subdivided into pollutant groups with similar characteristics. For example, the metal class was subdivided into 27 pollutant groups including the copper and its compounds. As a group, copper and its compounds contain the following chemicals:

- Copper;
- Copper Compounds;

- Copper and its compounds / Copper and compounds (as Cu) / (Japanese PRTR: copper salts (water-soluble, except complex salts)); and
- Bis(8-quinolinolato)copper (USA: included as "copper compound").

The full list of chemicals within each class and group is included in the Long Chemical List in Annex 2.

#### 3.4 Revised harmonised list of pollutants

Following review, the Long Chemical List was revised to include 1 086 unique entries (for the full list, see Annex 2). About 38% (414) chemicals were covered by two or more PRTRs (Table 9). Of the remaining 672 chemicals, 663 were covered by one PRTR system and nine were covered by no PRTR systems. The nine chemicals not covered by any PRTR systems were included in the Long Chemical List due to categorization of pollutants mentioned above. For example, *o*-chloroaniline is not covered by any of the five PRTRs; it is included to complete the chloroanilines category.

Chemicals Coverage Count Per cent 9 Chemicals Covered by 0 PRTRs 1% Chemicals Covered by 1 PRTR 663 61% Chemicals Covered by 2 PRTRs 254 23% 103 Chemicals Covered by 3 PRTRs 9% Chemicals Covered by 4 PRTRs 38 3% Chemicals Covered by 5 PRTRs 19 2% All Chemicals (Total) 1 086 100%

Table 9: PRTR Coverage of Reporting Sectors in the Long Reporting Sector List

Notes:

#### 3.5 Integration of chemicals covered under the Kiev Protocol

The Kiev Protocol on Pollutant Release and Transfer Registers is the first legally binding international instrument on pollutant release and transfer registers. Its objective is "to enhance public access to information through the establishment of coherent, nationwide pollutant release and transfer registers (PRTRs)." The Protocol became international law binding its Parties on 8 October 2009 (UNECE 2013).

To compare chemical coverage between PRTRs meeting Kiev Protocol specifications and the 5 PRTRs reviewed, chemicals covered under the Kiev Protocol were noted in the Long Chemical List. A chemical was marked as covered by the Kiev Protocol if its name and CAS number (as available) listed in the Long Chemical List matched the name and CAS number for a chemical listed in Annex II to the Kiev Protocol (UNECE, 2008).

The EU's E-PRTR meets the requirements of the Kiev Protocol, so all chemicals covered by the Kiev Protocol are also covered by the E-PRTR. Therefore, no new chemicals were added to the Long Chemical List; however, eighty-six chemicals were marked as covered under the Kiev Protocol. These chemicals correspond to all but five chemicals covered by the EU's E-PRTR.

<sup>1.</sup> The count of chemicals is cumulative. That is, chemicals covered by more than four PRTRs total 57 (= 38 covered by 4 PRTRs + 19 covered by 5 PRTRs).

<sup>2.</sup> A chemical is considered to be covered by a PRTR if it is explicitly covered under a PRTR, a substance included as a compound entry in the respective PRTR, or a substances regulated in complementary programs to the respective PRTR.

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Table 10. Number of Long List Chemicals Covered by the Kiev Protocol

	Class	Count of Chemicals
1.	Persistent Organic Pollutants (POPs)	14
2.	Metals	8
3.	Inorganic substances	8
4.	Chlorinated and brominated organic substances	15
5.	Ozone depleting substances	3
6.	Greenhouse gases (GHGs)	6
7.	Other gases	7
8.	Polycyclic aromatic hydrocarbons (PAHs)	3
9.	Other organic substances	12
10.	Active substances of plant protection products or biocidal products	10
11.	Colors and dyes	<del>-</del>
12.	Active pharmaceutical ingredient (API)	- -
13.	Non-grouped organic substances	-
Tota	ıl	86

#### 4. PREPARATION OF A COMMON LIST OF POLLUTANTS (SHORT CHEMICAL LIST)

Based on the harmonised list of pollutants (Long Chemical List) as presented in Annex 2 of this report, a common list of pollutants (Short Chemical List) was developed (see Annex 3 of this report). The Short Chemical List is meant to be comprised of chemicals that most countries would agree represent the most toxic or environmentally relevant chemicals in commerce and, therefore, may be considered to be included in any PRTR system.

Three options were considered for selecting chemicals from the Long Chemical List to be included in the Short Chemical List (Table 11):

#### **Option 1:** 94 chemicals, including:

- Chemicals covered by four or more of the five PRTRs,
- All Persistent Organic Pollutants (POPs), and
- All Greenhouse Gases (GHGs).

#### Option 2: 177 chemicals, including:

- Chemicals covered by three or more of the five PRTRs,
- All Persistent Organic Pollutants (POPs), and
- All Greenhouse Gases (GHGs).

#### **Option 3:** 126 chemicals, including:

- Chemicals covered by four or more of the five PRTRs,
- All Persistent Organic Pollutants (POPs), and
- All Greenhouse Gases (GHGs), and
- All Chemicals covered under the Kiev Protocol.

Pollutants covered by multiple PRTR systems were considered for inclusion in the Short Chemical List due to the comparability of coverage for these chemicals across existing PRTRs. Persistent Organic Pollutants (POPs), Greenhouse Gases (GHGs), and chemicals covered under the Kiev Protocol were

considered for inclusion in the Short Chemical List due to their environmental relevance and inclusion in international environmental agreements.<sup>5</sup>

Table 11. Total Number of Pollutants Present on the Short Chemical List

		Number of Entries		
	Class	Chemicals in at least 4 PRTR Systems + POPs + GHGs (Option 1)	Chemicals in at least 3 PRTR Systems + POPs + GHGs (Option 2)	Chemicals in at least 4 PRTR Systems + POPs + GHGs + Kiev Protocol (Option 3)
1.	Persistent Organic Pollutants (POPs)	24	24	24
2.	Metals	13	16	13
3.	Inorganic substances	3	7	8
4.	Chlorinated and brominated organic substances	11	22	17
5.	Ozone depleting substances	3	3	3
6.	Greenhouse gases (GHGs)	6	6	6
7.	Other gases	3	10	7
8.	Polycyclic aromatic hydrocarbons (PAHs)	2	8	3
9.	Other organic substances	29	76	35
10.	Active substances of plant protection products or biocidal products	-	5	10
11.	Colors and dyes	-	-	-
12.	Active pharmaceutical ingredient (API)	=	=	-
13.	Non-grouped organic substances	=	=	-
Total		94	177	126

Following review by the Task Force on PRTRs, the Short Chemical List was finalized as the 126 chemicals selected under Option 3. Chemicals included on the Short Chemical List represent those chemicals that are covered by at least four of the five PRTRs or that are covered under international environmental agreements related to emission inventories and PRTRs (e.g. POPs, GHGs, and Kiev Protocol).

All chemicals were individually listed on the Short Chemical List, except the following:

- Certain POPs;
- Metals (only group categories listed);
- Inorganic cyanide compounds (as CN);
- Fluorides (as total F);
- Phosphorus (total);
- PM10 Particulate matter;

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<sup>&</sup>lt;sup>5</sup> POPs are only partially or even not listed in some of the PRTR systems assessed during this study. However, they are subject to complementary programs. GHGs are only listed in the E-PRTR; but they are also subject to complementary programs in other countries.

- Chlorides (as total Cl);
- Total nitrogen;
- Brominated diphenylethers (PBDE);
- Halogenated organic compounds (as AOX);
- HCFCs, CFCs and Halons;
- HFCs and PFCs;
- Chlorine and inorganic compounds (as HCl);
- Fluorine and inorganic compounds (as HF);
- Polycyclic aromatic hydrocarbons (PAHs);
- Organotin compounds (as total Sn);
- Tributyltin and compounds;
- Triphenyltin and compounds;
- Phenols (as total C);
- Nonylphenol and Nonylphenol ethoxylates (NP/NPEs);
- Non-methane volatile organic compounds (NMVOC); and
- Total organic carbon (TOC).

The Short Chemical List is not meant to be guidance; the Short Chemical List should serve as a valuable tool for consideration in the development of new PRTRs and the enhancement of existing PRTRs.

#### 5. ENHANCEMENT OF THE LONG AND SHORT CHEMICAL LISTS

The following tasks were conducted to enhance the Long and Short Chemical Lists that characterize chemical coverage across the five PRTR systems:<sup>6</sup>

- 1. **Addition of chemical-specific thresholds:** documenting reporting thresholds associated with each pollutant established under each PRTR system; and
- 2. **Addition of reporting data:** appending measures of how frequently each chemical is reported to each PRTR.

#### 5.1 Addition of chemical-specific thresholds

Chemical-specific reporting thresholds define which chemicals must be reported by PRTR subject facilities. These thresholds vary across chemicals within a PRTR and across PRTRs for a given chemical (Table 12).

Chemical-specific thresholds were added to the Long Chemical List to inform the development of new PRTRs and the enhancement of existing PRTRs.<sup>7</sup> This information may be of value for setting thresholds and deciding what chemicals will be covered by a PRTR.

Chemical-specific reporting thresholds were identified through review of regulations and statutes, published guidance documents for PRTR filers, and other published and unpublished PRTR specific materials. These thresholds were then listed for each PRTR and chemical in the Long and Short Chemical Lists (see Annexes 2 and 3).

• Exemptions for equipment (e.g. structural components of a facility),

• Employee thresholds that apply to all chemicals within a PRTR.

<sup>&</sup>lt;sup>6</sup> These tasks were added to develop the second version of this document in [date to be confirmed].

<sup>&</sup>lt;sup>7</sup> Note that non-chemical specific regulations that limit the facilities that are required to report to PRTRs were identified, but not included in the Long Reporting Sector List. These regulations include:

<sup>•</sup> Exemptions based on type of facility (e.g. stationary, mobile),

<sup>•</sup> Sector-specific thresholds,

<sup>•</sup> Exemptions for items produced by the facility (e.g. articles),

<sup>•</sup> Activity exemptions (e.g. research and development within a production facility),

<sup>•</sup> Hazardous waste transfer thresholds, and

Table 12. Chemical-specific Thresholds Employed by PRTRs

PRTR /Kiev Protocol	Chemical-Specific Thresholds		
Australia –	The thresholds that apply to a chemical vary by chemical category:		
NPI	• Usage: If the handling, manufacture, import, processing, coincidental production or other use of a Category 1, 1a, or 1b chemical exceeds the usage threshold, a covered facility must report the chemical.		
	• Fuel combusted: If the amount of fuel and/or waste burnt during the reporting year exceeds the annual combustion threshold, or if the amount of fuel and/or waste burnt in any hour during the reporting year exceeds the hourly combustion threshold for Category 2a or 2b, then a covered facility must report all substances listed under the Category.		
	• <b>Energy use:</b> If a covered facility uses electricity in excess of the energy use threshold for purposes other than lighting or motive purposes, it must report any emissions of all substances listed under Category 2b.		
	• <b>Power rating:</b> If a covered facility has a power rating in excess of the power rating threshold for purposes other than lighting or motive purposes, it must report any emissions of all substances listed under Category 2b.		
	• Emissions/transfers: If a covered facility emits or transfers at least one Category 3 chemical in excess of the emissions/transfers threshold for that chemical, the facility is required to report emission and transfers for all Category 3 chemicals. Emissions and transfers that count toward this threshold include the amount of the chemical emitted to water (excluding groundwater); transferred to a mandatory reporting transfer destination; and emitted to water and transferred to a mandatory reporting transfer destination.		
Canada –	The thresholds that apply to a chemical vary by chemical category:		
NPRI	Manufacture, process, or otherwise use: If the quantity of a Part 1A or 1B chemical manufactured, processed, or otherwise used exceeds the threshold for that chemical, all releases, disposals, and transfers for recycling of that chemical must be reported.		
	• Concentration: For Part 1A and 1B chemicals, quantities manufactured, processed, or otherwise used only need to be counted towards their thresholds if they exist in concentrations above their concentration thresholds. This threshold does not apply (chemical quantities must be counted toward the manufacture, process, or otherwise use thresholds regardless of concentration) for chemical quantities contained in tailings, contained in waste rock or that were incidentally manufactured as byproducts.		
	• Release, disposal, or transfer for recycling: The threshold for Part 2 substances is based on the total quantity of Part 2 substances released, disposed of, or transferred for recycling as a		
	result of incidental manufacture or from the generation of tailings. If a covered facility exceeds this threshold then all individual Part 2 substances must be reported.		
	• Activity: Part 3 chemicals must be reported if a covered facility engages in one of a specified list of covered activities. For some of these activities, facilities must report regardless of the employee threshold (see Annex 4).		
	• Air release: Part 4 chemicals must be reported if the quantity of that chemical released to air exceeds the air release threshold. Part 5 substances must be reported if both the quantity of that substance released to air exceeds the air release threshold and the sum of all Part 4 chemicals released to air exceeds 10 tons.		

PRTR /Kiev	Chemical-Specific Thresholds
Protocol	
EU –	• Air releases: Covered facilities must report air releases for a chemical if the quantity of that
E-PRTR	chemical released to air exceeds its air release threshold.
	<ul> <li>Water releases: Covered facilities must report water releases for a chemical if the quantity of that chemical discharged exceeds its water release threshold. In addition, covered facilities must report transfers destined for waste-water treatment if the quantity of the chemical transferred for waste-water treatment exceeds its water release threshold.</li> </ul>
	<ul> <li>Land releases: Covered facilities must report land releases for a chemical if the quantity of that chemical released to land exceeds its land release threshold.</li> </ul>
	Note: Covered facilities must report waste transfers of hazardous waste if the amount of hazardous waste transferred off site exceeds 2 tons. In addition, covered facilities must report waste transfers of other waste if the amount of other waste transferred off site exceeds 2 000 tons. E-PRTR waste transfer the ball to the latest that the state of the st
	thresholds are not included in the Long and Short Chemical Lists; these thresholds are not chemical-specific.
Kiev Protocol	The Kiev Protocol recommends that national-level PRTRs be designed such that the chemical reporting thresholds be based either on 1) quantities of the chemical released and transferred by media; or 2) quantities of the chemical manufactured, processed, or used.
	1. For PRTRs with chemical reporting thresholds based on quantities of the chemical released and transferred by media, the following reporting thresholds are recommended:
	• <b>Air releases:</b> Covered facilities must report air releases for a chemical if the quantity of that chemical released to air exceeds its air release threshold.
	<ul> <li>Water releases: Covered facilities must report water releases for a chemical if the quantity of that chemical discharged exceeds its water release threshold. In addition, covered facilities must report transfers of a chemical destined for waste-water treatment if the quantity of the chemical transferred for waste-water treatment exceeds its water release threshold.</li> </ul>
	<ul> <li>Land releases: Covered facilities must report land releases for a chemical if the quantity of that chemical released to land exceeds its land release threshold.</li> </ul>
	• Off-site transfers: PRTRs may elect to use one of two options available for off-site waste
	transfers thresholds:
	o Threshold for off-site transfers of pollutants: Covered facilities must report off-site
	transfers for a chemical if the quantity of the chemical transferred off-site exceeds its off-site transfer threshold. This threshold is included in the Long and Short Chemical
	Lists in (Annexes 2 and 3).
	o Thresholds for off-site transfers of hazardous waste and other waste: Covered facilities must report waste transfers of hazardous waste if the amount of hazardous waste transferred off site exceeds 2 tons. In addition, covered facilities must report waste transfers of other waste if the amount of other waste transferred off site exceeds 2 000 tons. These thresholds are not included in the Long and Short Chemical Lists in (Annexes 2 and 3); they are not chemical-specific.
	2. For PRTRs with chemical reporting thresholds based on quantities manufactured, processed, or used:
	<ul> <li>Manufacture, process, or use: Covered facilities must report all releases and transfers for a chemical if the quantity of the chemical manufactured, processed, or used exceeds the manufacture, process, or use threshold for the chemical.</li> </ul>
Japan – PRTR	• Usage: Covered facilities must report all releases and transfers of a given chemical if the sum of the quantity manufactured, the quantity used and other quantities of that chemical exceeds the usage threshold.
	• Concentration thresholds: Chemicals in materials at levels below the concentration thresholds are not counted towards the usage threshold.
	Note: If a facility meets specific requirements (e.g., covered under the Mine Safety Law, sewage disposal facilities, domestic waste disposal facilities, industrial waste disposal facilities, specific facilities under the Act on Special Measures against Dioxins), then all covered chemicals must be reported regardless of their quantity or concentration.

PRTR /Kiev Protocol	Chemical-Specific Thresholds
US –	• Manufacture, process, or otherwise use thresholds: Covered facilities must report a
TRI	chemical if they manufacture the chemical in quantities above the manufacturing threshold for the chemical, process the chemical in quantities above the processing threshold for the chemical, or otherwise use the chemical in quantities above the otherwise use threshold for the chemical.
	<ul> <li>Concentration Thresholds: The de minimis exemption allows facilities to disregard certain minimal concentrations of chemicals in mixtures when making threshold determinations and release and other waste management calculations. If a non-PBT chemical in a mixture is below the appropriate de minimis level, all releases and other waste management activities associated with the chemical in that mixture are exempt from TRI reporting.</li> </ul>

#### Sources:

Australian Government. Department of Sustainability, Environment, Water, Population and Communities (2013c), *National Pollutant Inventory: Substance list and thresholds, http://www.npi.gov.au/substances/substance-list-and-thresholds* accessed 21 October 2013.

Environment Canada (2013d). National Pollutant Release Inventory (NPRI) Substance List, www.ec.gc.ca/inrp-npri/default.asp?lang=En&n=E2BFC2DB-1accessed 21 October 2013.

European Commission (2006a), Guidance Document for the Implementation of the European PRTR, http://prtr.ec.europa.eu/docs/EN E-PRTR fin.pdf.

Government of Japan. Ministry of the Environment (2004), Manual for PRTR Release Estimation Methods. www.env.go.jp/en/chemi/prtr/manual/ accessed 6 August 2012.

UNECE (United Nations Economic Commission for Europe) (2008), Guidance on Implementation of the Protocol on Pollutant Release and Transfer Registers, www.unece.org/fileadmin/DAM/env/pp/prtr/guidance/PRTR\_May\_2008\_for\_CD.pdf accessed 15 August 2012.

U.S. EPA (2013a), Toxic Chemical Release Inventory Reporting Forms and Instructions Revised 2012 Version, EPA 260-R-13-001, U.S. EPA, Washington, www.epa.gov/tri/reporting\_materials/rfi/ry2012rfi.pdf.

In addition to the variation in types of thresholds across PRTRs and chemicals, the values at which thresholds were set vary considerably across PRTRs. For example, air release thresholds for chemicals on the long list vary between 0.001 kg and 100 000 000 kg across chemicals and PRTRs. Similarly, manufacture, process and use thresholds vary between 0.0001 and 25 000 kg across chemicals and PRTRs. It is interesting to note that reporting thresholds are consistently low across multiple PRTRs for a handful of chemicals. For example, mercury compounds have low manufacture, process, and use thresholds under Australia's NPI, Canada's NPRI, the Kiev Protocol, and the United State's TRI.

#### 5.2 Addition of reporting data

To increase the analytical value of the Long and Short Chemical Lists, chemical coverage across PRTRs was augmented with information about actual reporting for each chemical. This information can be used to measure the prevalence of each chemical in the reviewed PRTRs. In addition, countries considering which chemicals to cover under a new PRTR might use this information to predict reporting volumes for chemicals. For example, a country might expect more reports for a chemical that is covered by 4 PRTR systems and has high reporting in each system than for a chemical that is covered by 5 PRTR systems and has low reporting in each system. However, the variability in industrial use of chemicals across countries should also be considered when predicting reporting for new PRTRs.

The number of facilities reporting the chemical for 2010 (2010/2011 for Australia NPI) was compiled for each chemical covered by each PRTR in the Long and Short Chemical Lists. Note that reported quantities of releases, transfers, and waste management were not considered; different chemicals have different impacts on environmental and human health, so a small release of a high toxicity chemical may be of more concern than a large release of a lower toxicity chemical.

To allow for comparison across PRTRs, the number of facilities reporting each chemical was converted into a reporting score. Within each PRTR, covered chemicals were assigned a score ranging from 0 to 3:

- **0** (not reported): No facilities reported the chemical.
- 1 (low reporting): The chemical was in the bottom quartile.
- 2 (medium reporting): The chemical was above the bottom quartile and below the top decile.
- 3 (high reporting): The chemical was in the top decile.

The number of facilities reporting each chemical ranged from 0 to 22 297 facilities across chemicals and PRTRs (Table 13). The distributions of facilities reporting across chemicals indicate that, in general, chemicals on the Short Chemical List were reported more frequently than the full set of chemicals on the Long Chemical List (Table 14). However, some chemicals with very high reporting under Australia's NPI and Canada's NPRI are absent from the Short Chemical List (e.g. particulate matter, nitrogen oxides, total volatile organic compounds, and carbon monoxide) and some chemicals in the Short Chemical List were not reported to any PRTR (e.g. mirex, alpha-hexachlorocyclohexane, and chlordecone).

Table 13. Distribution of Number of Reporters across Chemicals Covered by PRTRs

		Distribution of # Facilities Reporting a Chemical								
PRTR	Across Long Chemical List				Across Short Chemical List					
IKIK	Min.	1 <sup>st</sup> Quartile	Median	3 <sup>rd</sup> Quartile	Max.	Min.	1 <sup>st</sup> Quartile	Median	3 <sup>rd</sup> Quartile	Max.
Australia – NPI	0	15	143	687	3 084	0	8	130	687	1 223
Canada – NPRI	0	1	8	62	3 861	0	12	41	245	702
EU – E-PRTR	0	10	68	456	5 798	0	10	97	436	5 798
Japan – PRTR*	0	3	12	67	22 297	1	112	551	3 276	22 297
U.S. – TRI	0	0	3	23	3 917	0	46	124	654	3 778
NT .		•		•	•				•	

Note:

Australian Government: Department of Sustainability, Environment, Water, Population, and Communities. (n.d.), National Pollutant Inventory Search by Form. www.npi.gov.au/npidata/action/load/advance-search accessed 13 August 2012. Environment Canada (2012b), National Pollutant Release Inventory (NPRI) Downloadable Datasets: 2010 Microsoft Access Format (March 27, 2012 version), www.ec.gc.ca/inrp-npri/default.asp?lang=en&n=0EC58C98-, accessed 13 August 2012.

EEA (European Environmental Agency) (2012). European Pollutant Release and Transfer Register (E-PRTR) - Microsoft Access database and text format: eprtr\_v4.1\_mdb.zip, www.eea.europa.eu/data-and-maps/data/member-states-reporting-art-7-under-the-european-pollutant-release-and-transfer-register-e-prtr-regulation-5 accessed 14 August 12.

Government of Japan: Ministry of the Environment, Environmental Health Department, Environmental Health and Safety Division (n.d.b), *PRTR Data Page: Compiled Data Page. www2.env.go.jp/chemi/prtr/prtrinfo/contents/e-table.jsp*, accessed 13 August 2012.

U.S. EPA (2011). TRI.NET (December 12, 2011 version). www.epa.gov/tri/tridotnet/index.html accessed 13 August 12.

<sup>\*</sup> The upper end of the distributions for Japan's PRTR show considerably higher counts of facilities than the other PRTRs included in this table. This pattern appears to be driven by the fuel retail industry. For example, 15 050 of the 22 297 facilities that reported ethylbenzene to Japan's PRTR were in the fuel retail industry. This sector is not covered by the other four PRTRs. Sources:

Table 14: Variation in Reporting Scores among Long and Short List Chemicals

Highest Reporting Score	Long List C	hemicals	Short List Chemicals		
across All PRTRs	Count	Percent	Count	Percent	
High Reporting	125	12%	41	44%	
Medium Reporting	713	66%	39	41%	
Low Reporting	64	6%	4	4%	
Not Reported	184	17%	10	11%	
Total	1 086	100%	94	100%	

#### 6. NOTES ON GROUPING OF POLLUTANTS

In the course of comparing chemicals coverage among PRTRs to create the Long and Short Chemical Lists, the following chemical definitions were found to vary considerably across PRTRs. These chemicals were discussed with the representatives of the PRTR systems and resolutions for harmonised entries are presented.

#### 6.1 Polychlorinated dioxins and furans

The considered PRTR systems define polychlorinated dioxins and furans as follows:

- Australia: Polychlorinated dioxins and furans (TEQ)
- Canada: Canada recommends that polychlorinated dioxins and furans be reported in units of mass, (e.g. "grams") for each specific congener. This allows the flexibility to convert the congener quantity details in both I-TEQ and World Health Organization (WHO) TEQ as required.
- E-PRTR: The E-PRTR indicates polychlorinated dioxins and furans as TEQ. It is proposed by the European Commission to who is reporting as individual congeners to also report in TEQ.
- Japan: Based on the study by WHO, dioxins are defined to include PCDDs, PCDFs and co-planar PCBs in the Law Concerning Special Measures against Dioxins. The same definition is used in the Japanese PRTR system.
- The U.S.: Dioxin and Dioxin-Like Compounds (Manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical). This category includes individual chemicals as listed in the United States Environmental Protection Agency (2013).

For the Short Chemical List (Annex 3), the term Polychlorinated dioxins and furans is used (expressed as WHO 2005 TEF)<sup>8</sup> (Berg *et al.*, 2006).

### 6.2 Metals

Metals are considered in the different PRTR systems as follows (for chromium and its compounds see Section 6.3):

<sup>&</sup>lt;sup>8</sup> The development of environmental standards for human health concerns is mostly based on a toxic equivalency approach with 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) as the reference compound. PCDD/PCDF congeners are divided into their respective homologue groups and to each group a toxicity factor relative to TCDD is assigned. These numerical factors could then be applied to transform various concentrations of polychlorinated dioxins and furans into equivalent concentrations of 2,3,7,8-TCDD.

- Australia: the amount emitted in relation to a substance listed as [metal] & compounds refers only to the amount of the metal emitted (for example, the amount of Lead & compounds emitted refers only to the amount of Lead emitted).
- Canada: Total of the pure element and the equivalent weight of the element contained in any compound, alloy or mixture.
- E-PRTR: All metals shall be reported as the total mass of the element in all chemical forms present in the release.
- Japan: [metal] and its compounds (i.e. all forms).
- The U.S.: metals are indicated as specific entries. Moreover, chemical categories are defined, e.g. Cadmium Compounds: Includes any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

For the Short Chemical List (Annex 3), the term used for metals includes the metal name, the phrase "and compounds as," and symbol for the elemental metal. For example, "cadmium and compounds (as Cd)" is listed on the Short Chemical List. It includes cadmium and any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

### 6.3 Chromium and its compounds

Chromium and its compounds are considered in the different PRTR systems as follows:

- Australia: Chromium(III) compounds and Chromium(VI) compounds are listed separately. The
  amount emitted in relation to a substance listed as [metal] & compounds refers only to the amount
  of the metal emitted.
- Canada: Canada recommends the following: Chromium(III) and Chromium(VI) compounds should be distinguished. Chromium(VI) is significantly more toxic at lower exposure rates than chromium species in lower oxidation states. A separate listing for hexavalent chromium was added to the NPRI for the 2002 reporting year with an alternate reporting threshold of 50 kg and 0.1% concentration.
- E-PRTR: The E-PRTR lists only Chromium and compounds (as Cr), whereas all metals shall be reported as the total mass of the element in all chemical forms present in the release. However, because of the different toxicity of Chromium(III) compounds and Chromium(VI) compounds the European Commission now proposes to add Chromium(VI) and compounds. But this has to be further discussed.
- Japan: As the toxicity of Chromium(III) and Chromium(VI) is quite different and both compounds are normally handled in a different way, Chromium(III) and Chromium(IV) are distinguished in the Japanese PRTR system.
- The U.S.: Different *de minimis* levels exist for Chromium(III) and Chromium(VI), 1 and 0.1%, respectively

For the Short Chemical List (Annex 3), the following two terms are used:

- Chromium and chromium(III) compounds (as Cr): includes chromium and any unique chemical substance that contains chromium(III) as part of that chemical's infrastructure
- Chromium(VI) compounds (as Cr): includes any unique chemical substance that contains chromium(VI) as part of that chemical's infrastructure)

### 6.4 Hydrochlorofluorocarbons (HCFCs), chlorofluorocarbon (CFCs) and halons

Hydrochlorofluorocarbons (HCFCs), chlorofluorocarbon (CFCs) and halons are considered in the different PRTR systems as follows:

- Australia: not included
- Canada: Canada recommends that halons be listed individually. Halons, CFCs and HCFCs are subject to controls stipulated in the Montreal Protocol and subsequent amendments. The substances have long lifetimes in the atmosphere as characterized by their individual ozone depleting potentials. Accurate data on the individual species is needed to support modelling of their global impacts on stratospheric ozone depletion.

#### • E-PRTR:

- HCFCs (Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1) (European Commission, 2000). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1) (European Commission, 2003)).
- o CFCs (Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000 (European Commission, 2000)).
- Halons (Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000 (European Commission, 2000)). However, the European Commission eventually proposes to report the substances individually given the different global warming potential. This has to be further discussed.
- Japan: In Japan, all the gasses defined in the Montreal Protocol are individually listed in the PRTR system.
- The U.S.: All compounds are individually listed.

For the Short Chemical List (Annex 3), the following three terms are used (UNEP, 2005):

- Hydrochlorofluorocarbons (HCFCs) (total mass of substances including their isomers listed in Group I Annex C of the list of controlled substances under the Montreal Protocol.
- Chlorofluorocarbons (CFCs) (total mass of substances including their isomers listed in Group I Annex A and Group I Annex B of the list of controlled substances under the Montreal Protocol.
- Halons (total mass of substances including their isomers listed in Group II Annex A and Group I Annex E of the list of controlled substances under the Montreal Protocol.

These terms were selected because of the variability in substances covered by each PRTR and to limit the length of the Short Chemical List. An individual reporting of the substances given the different global warming potential can be foreseen in the future.

### 6.5 Polycyclic aromatic hydrocarbons (PAHs)

Polycyclic aromatic hydrocarbons (PAHs) are considered in the different PRTR systems as follows:

- Australia: the amount of 'Polycyclic Aromatic Hydrocarbons (Benzo[a]pyrene equivalent) (PAHs B[a]Peq)' emitted refers to the sum of the toxic equivalent amounts of the individual congeners emitted or transferred. Toxic equivalent amounts are obtained by multiplying the mass of the congener by the Toxicity Equivalency Factor.
- Canada: Canada recommends that PAHs be listed individually, to allow greater opportunity and flexibility for comparison and analysis.
- E-PRTR: Polycyclic aromatic hydrocarbons (PAHs) are to be measured for reporting of releases to air as benzo(a)pyrene (50-32-8), benzo(b)fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5). Other compounds are individually listed.
- Japan: In the Japanese PRTR system chemicals normally released unintentionally are rarely included. Therefore, PAHs are limited in the PRTR system to chemicals intentionally used and therefore listed individually.
- The U.S.: Some compounds are individually listed incl. de minimis levels. A category Polycyclic aromatic compounds (PACs) with individual components also exists (PBT chemicals, i.e. no de minimis levels)

For the Short Chemical List (Annex 3), individual substances present in at least three of the different PRTR systems are included (i.e. Anthracene, Naphthalene, Fluoranthene / Benzo(j,k)fluorine, Benzo(g,h,i)perylene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene Indeno(1,2,3-c,d)pyrene).

#### 6.6 Benzene, toluene, ethylbenzene and xylene (BTEX)

The monoaromatic hydrocarbons benzene, toluene, ethylbenzene and the xylene isomers are considered in the different PRTR systems as follows:

- Australia: the following entries exist: benzene, toluene, ethylbenzene and xylenes (individual or mixed isomers).
- Canada: the following entries exist: benzene, toluene, ethylbenzene and xylenes (all isomers).
- E-PRTR: the following entries exist: benzene, toluene, ethylbenzene and xylenes (i.e. all isomers). Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethylbenzene, xylenes) is exceeded.
- Japan: the following entries exist: benzene, toluene, ethylbenzene and xylene (i.e. all isomers).
- The U.S.: the following entries exist: benzene, toluene, ethylbenzene, xylene (mixed isomers), o-xylene, m-xylene and p-xylene

For the Short Chemical List (Annex 3), individual substances present in at least three of the different PRTR systems are included; i.e. benzene, toluene, ethylbenzene and xylene (mixed isomers).

#### 6.7 Chemicals covered under the Kiev Protocol

The short chemical list was developed by first compiling a list of all chemicals covered by four or more of the five PRTRs and then adding Persistent Organic Pollutants (POPs), Greenhouse Gases (GHGs), and all chemicals covered under the Kiev Protocol. In adding the Kiev Protocol chemicals to the Short Chemical List, a considerable overlap between Kiev Protocol chemicals and the chemicals covered by four or more of the five PRTRs that were already included in the Short Chemical List was identified. First, 53 chemicals overlapped completely. Second, three Kiev Protocol chemicals are related to chemicals already on the Short Chemical List:

- 1. The Kiev Protocol chemical *Chromium and compounds (as Cr)* includes the same compounds as two chemical groups already included in the Short Chemical List, *Chromium and chromium(III)* compounds (as Cr) and Chromium(VI) compounds (as Cr).
- 2. The Kiev Protocol chemical *Brominated diphenylethers (PBDE)* includes one individually listed compound already on the Short Chemical List, *Decabromodiphenyl ether*.
- 3. The Kiev Protocol chemical *Phenols (as total C)* includes one individually listed compound already on the Short Chemical List, *Phenol*.

Since every compound covered by the Kiev Protocol Chromium and compounds (as Cr) is included in either Chromium and chromium (III) compounds (as Cr) or Chromium (VI) compounds (as Cr), Chromium and compounds (as Cr) was not added to the Short Chemical List. Instead, both Chromium and chromium (III) compounds (as Cr) and Chromium (VI) compounds (as Cr) were marked as substances included in a Kiev Protocol chemical group.

The Kiev Protocol chemical *Brominated diphenylethers (PBDE)* includes penta-BDE, octa-BDE and deca-BDE. Only one of these three chemicals was already included in the Short Chemical List, *Decabromodiphenyl ether (deca-BDE)*. To ensure that all compounds included in *Brominated diphenylethers (PBDE)* are covered by the Short Chemical List, *Brominated diphenylethers (PBDE)* was added as a new chemical to the list. In addition, *Decabromodiphenyl ether* was marked as a substance included in a Kiev Protocol chemical group.

Similarly, the Kiev Protocol chemical *Phenols (as total C)* includes phenol and simple substituted phenols. Phenol was already included in the Short Chemical List, but simple substituted phenols were not. To ensure that all compounds included in *Phenols (as total C)* are covered by the Short Chemical List, *Phenols (as total C)* was added as a new chemical to the list. In addition, *Phenol* was marked as a substance included in a Kiev Protocol chemical group.

The remaining 30 Kiev Protocol chemicals did not correspond to any chemicals already included in the Short Chemical List. These 30 chemicals were added to the list as new records.

In total, 89 of the 126 Short List Chemicals were marked as covered under the Kiev Protocol (

Table 15). The marked chemicals include 85 chemicals that are the same as with Kiev Protocol chemicals and four chemicals that are substances covered by Kiev Protocol chemical groups (*Chromium and chromium(III) compounds (as Cr)*, and *Chromium(VI) compounds (as Cr)*, *Decabromodiphenyl ether* and *Phenol*).

Table 15. Number of Long and Short List Chemicals Covered by the Kiev Protocol

CI.	Number of Chemicals Co	Number of Chemicals Covered by the Kiev Protocol			
Class	Long Chemical List	Short Chemical List			
1. Persistent Organic Pollutants (POPs)	14	14			
2. Metals	8	91			
3. Inorganic substances	8	8			
4. Chlorinated and brominated organic substances	15	$16^2$			
5. Ozone depleting substances	3	3			
6. Greenhouse gases (GHGs)	6	6			
7. Other gases	7	7			
8. Polycyclic aromatic hydrocarbons (PAHs)	3	3			
9. Other organic substances	12	13 <sup>3</sup>			
Active substances of plant protection products or biocidal products	10	10			
11. Colors and dyes	-	-			
12. Active pharmaceutical ingredient (API)	-	-			
13. Non-grouped organic substances	-	-			
Total	86	89 <sup>1,2,3</sup>			

<sup>&</sup>lt;sup>1</sup> The Kiev Protocol covers *Chromium and compounds (as Cr)* as a single chemical group. The Short Chemical List separates chromium compounds into two chemical groups: *Chromium and chromium (III) compounds (as Cr)* and *Chromium (VI) compounds (as Cr)* (see Section 6.3). On the Short Chemical List, both *Chromium and chromium (III) compounds (as Cr)* and *Chromium (VI) compounds (as Cr)* are marked as being covered as substances included in a Kiev Protocol chemical group.

<sup>&</sup>lt;sup>2</sup> The Kiev Protocol covers *Brominated diphenylethers (PBDE)* as a single chemical group. The Short Chemical List includes an entry for *Brominated diphenylethers (PBDE)* and *Decabromodiphenyl ether*. *Brominated diphenylethers (PBDE)* is marked as being covered by the Kiev Protocol and *Decabromodiphenyl ether* is marked as being covered as a substance included in a Kiev Protocol chemical group.

<sup>&</sup>lt;sup>3</sup> The Kiev Protocol covers *Phenols (as total C)* as a single chemical group. The Short Chemical List includes an entry for *Phenols (as total C)* and *Phenol. Phenols (as total C)* is marked as being covered by the Kiev Protocol and *Phenol* is marked as being covered as a substance included in a Kiev Protocol chemical group.

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<sup>&</sup>lt;sup>9</sup> The National Implementation Plan was modified in August 2012, which is available at <a href="http://www.env.go.jp/chemi/pops/plan/en\_full-re.pdf">http://www.env.go.jp/chemi/pops/plan/en\_full-re.pdf</a>

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# ANNEX 1. JAPANESE PRTR SUBSTANCE LIST

The list is provided by Japan.

Numb		
er	CAS	Substance Name
1	-	zinc compounds(water-soluble)
2	79-06-1	acrylamide
3	140-88-5	ethyl acrylate
4	-	acrylic acid and its water-soluble salts
5	2439-35-2	2-(dimethylamino)ethyl acrylate
6	818-61-1	2-hydroxyethyl acrylate
7	141-32-2	n-butyl acrylate
8	96-33-3	methyl acrylate
9	107-13-1	acrylonitrile
10	107-02-8	acrolein
11	26628-22-8	sodium azide
12	75-07-0	acetaldehyde
13	75-05-8	acetonitrile
14	75-86-5	acetone cyanohydrin
15	83-32-9	acenaphthene
16	78-67-1	2,2'-azobisisobutyronitrile
17	90-04-0	o-anisidine
18	62-53-3	aniline
19	82-45-1	1-amino-9,10-anthraquinone
20	141-43-5	2-aminoethanol
21	1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one; chloridazon
22	120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-
		4[(trifluoromethyl)sulfinyl]pyrazole; fipronil
	123-30-8	p-aminophenol
24	591-27-5	m-aminophenol
25	21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one; metribuzin
26	107-11-9	3-amino-1-propene
27	41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one; metamitron
28	107-18-6	allyl alcohol
29	106-92-3	1-allyloxy-2,3-epoxypropane
30	-	n-alkylbenzenesulfonic acid and its salts(alkyl C=10-14)
31	-	antimony and its compounds
32	120-12-7	anthracene
	1332-21-4	asbestos
34	4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate
35	78-84-2	isobutyraldehyde
36	78-79-5	isoprene
37	80-05-7	4,4'-isopropylidenediphenol; bisphenol A
38	4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol
39	22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate; fenamiphos
40	149877-41-8	isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate; bifenazate
41	66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide; flutolanil
42	96-45-7	2-imidazolidinethione
43	13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine; iminoctadine

Numb	040	Outratava Nama
er	CAS	Substance Name
44	-	indium and its compounds
45	75-08-1	ethanethiol
46	76578-14-8	ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate; quizalofop-ethyl
47	36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate; butamifos
	2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate; EPN
	40487-42-1	N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine; pendimethalin
	2212-67-1	S-ethyl hexahydro-1H-azepine-1-carbothioate; molinate
51	149-57-5	2-ethylhexanoic acid
52	83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)
52		amino]thio]amino]propionate; alanycarb
53	100-41-4	ethylbenzene
54	98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate; fosthiazate
55	151-56-4	ethyleneimine
56	75-21-8	ethylene oxide
57	110-80-5	ethylene glycol monoethyl ether
58	109-86-4	ethylene glycol monomethyl ether
59	107-15-3	ethylenediamine
60	60-00-4	ethylenediaminetetraacetic acid
61	12427-38-2	manganese N,N'-ethylenebis(dithiocarbamate); maneb
62	8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-
		ethylenebis(dithiocarbamate); mancozeb
	85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide; diquat dibromide
	80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether; etofenprox
65	106-89-8	epichlorohydrin
66	106-88-7	1,2-epoxybutane
67	556-52-5	2,3-epoxy-1-propanol
68	75-56-9	1,2-epoxypropane; propylene oxide
69	122-60-1	2,3-epoxypropyl phenyl ether
70	155569-91-8	emamectin benzoate; mixture of emamectinB <sub>1a</sub> benzoate and emamectinB <sub>1b</sub>
70	155569-91-6	benzoate
71	7705-08-0	ferric chloride
72	85535-84-8	chlorinated paraffin (C=10-13)
73	111-87-5	1-octanol
	1806-26-4	p-octylphenol
75	-	cadmium and its compounds
76	105-60-2	ε-caprolactam
77	156-62-7	calcium cyanamide
78	105-67-9	2,4-xylenol
79	576-26-1	2,6-xylenol
80	1330-20-7	xylene
	91-22-5	guinoline
82	-	silver and its water-soluble compounds
83	98-82-8	cumene

Numb er	CAS	Substance Name
84	107-22-2	glyoxal
85	111-30-8	glutaraldehyde
86	1319-77-3	cresol
87	-	chromium and chromium(III) compounds
88	-	chromium(VI) compounds
89	95-51-2 106-47-8	chloroaniline
90	108-42-9 1912-24-9	2 oblara 4 othylamina 6 isanranylamina 1 2 5 triazina: atrazina
90	21725-46-2	2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine; atrazine 2-(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)amino-2-methylpropiononitrile; cyanazine
92	129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide; tolfenpyrad
93	51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide; metolachlor
94	75-01-4	chloroethylene; vinyl chloride
95	79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine; fluazinam
96	119446-68-3	1-({2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole; difenoconazole
97	611-19-8	1-chloro-2-(chloromethyl)benzene
98	79-11-8	chloroacetic acid
99	105-39-5	ethyl chloroacetate
100	51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide; pretilachlor
101	15972-60-8	2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide; alachlor
102	97-00-7	1-chloro-2,4-dinitrobenzene
103	75-68-3	1-chloro-1,1-difluoroethane; HCFC-142b
104	75-45-6	chlorodifluoromethane; HCFC-22
105	2837-89-0	2-chloro-1,1,1,2-tetrafluoroethane; HCFC-124
106	-	chlorotrifluoroethane; HCFC-133
107	75-72-9	chlorotrifluoromethane; CFC-13
108	7085-19-0 93-65-2	(RS)-2-(4-chloro-o-tolyloxy)propionic acid; mecoprop
	95-49-8	o-chlorotoluene
	106-43-4	p-chlorotoluene
	121-87-9	2-chloro-4-nitroaniline
112	88-73-3	2-chloronitrobenzene
113	122-34-9	2-chloro-4,6-bis(ethylamino)-1,3,5-triazine; shimazine; CAT
114	133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione; indanofan
115	158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide; fentrazamide
116	78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide; hexythiazox
117	107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol; tebuconazole
118	88671-89-0	2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile; myclobutanil

Numb er	CAS	Substance Name
119	114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile; fenbuconazole
120	95-57-8	o-chlorophenol
121	106-48-9	p-chlorophenol
122	598-78-7	2-chloropropionic acid
123	107-05-1	3-chloropropene; allyl chloride
124	99485-76-4	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea; cumyluron
125	108-90-7	chlorobenzene
126	76-15-3	chloropentafluoroethane; CFC-115
127	67-66-3	chloroform
128	74-87-3	chloromethane; methyl chloride
129	59-50-7	4-chloro-3-methylphenol
130	94-74-6	(4-chloro-2-methylphenoxy)acetic acid; MCP; MCPA
131	563-47-3	3-chloro-2-methyl-1-propene
132	-	cobalt and its compounds
133	111-15-9	2-ethoxyethyl acetate; ethylene glycol monoethyl ether acetate
134	108-05-4	vinyl acetate
135	110-49-6	2-methoxyethyl acetate; ethylene glycol monomethyl ether acetate
136	90-02-8	salicylaldehyde
137	420-04-2	cyanamide
138	139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide; diclocymet
139	66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-
139	00041-25-0	tetrabromoethyl)cyclopropanecarboxylate; tralomethrin
140	39515-41-8	(RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate; fenpropathrin
141	57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea; cymoxanil
142	615-05-4	2,4-diaminoanisole
143	101-80-4	4,4'-diaminodiphenyl ether
144	-	inorganic cyanide compounds (except complex salts and cyanates)
145	100-37-8	2-(diethylamino)ethanol
146	29232-93-7	O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate; pirimiphosmethyl
147	28249-77-6	S-4-chlorobenzyl N,N-diethylthiocarbamate; thiobencarb
148	125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide; cafenstrole
149	56-23-5	tetrachloromethane
	123-91-1	1,4-dioxane
	646-06-0	1,3-dioxolane
152	15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane; cartap
		cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-
153	7696-12-0	methylprop-1-enyl)cyclopropanecarboxylate; tetramethrin
154	108-91-8	cyclohexylamine
	17796-82-6	N-(cyclohexylthio)phthalimide

Numb er	CAS	Substance Name
	27134-27-6	dichloroaniline
	107-06-2	1,2-dichloroethane
	75-35-4	1,1-Dichloroethylene; vinylydene dichloride
	156-59-2	cis-1,2-dichloroethylene
	101-14-4	3,3'-dichloro-4,4'-diaminodiphenylmethane
161	75-71-8	dichlorodifluoromethane; CFC-12
	23950-58-5	3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide; propyzamide
163	-	dichlorotetrafluoroethane; CFC-114
	306-83-2	2,2-dichloro-1,1,1-trifluoroethane; HCFC-123
	95-73-8	2,4-dichlorotoluene
	99-54-7	1,2-dichloro-4-nitrobenzene
167	89-61-2	1,4-dichloro-2-nitrobenzene
168	36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide; iprodione
169	330-54-1	3-(3,4-dichlorophenyl)-1,1-dimethylurea; diuron; DCMU
170	112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl
		ether; tetraconazole
474		mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-
171	60207-90-1	1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole; propiconazole
		3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-
172	153197-14-9	oxazin-4-one; oxaziclomefone
173	50471-44-8	(RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione; vinclozolin
	330-55-2	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea; linuron
	94-75-7	2,4-dichlorophenoxyacetic acid; 2,4-D; 2,4-PA
176	1717-00-6	1,1-dichloro-1-fluoroethane; HCFC-141b
177	75-43-4	dichlorofluoromethane; HCFC-21
178	78-87-5	1,2-dichloropropane
	542-75-6	1,3-dichloropropene; D-D
180	91-94-1	3,3'-dichlorobenzidine
121	95-50-1 106-46-7	dichlorobenzene
	71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone; pyrazoxyfen
	58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate; pyrazolynate
	1194-65-6	2,6-dichlorobenzonitrile; dichlobenil; DBN
185		dichloropentafluoropropane; HCFC-225
186	75-09-2	dichloromethane; methylene dichloride
187	3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone; dithianon
188	101-83-7	N,N-dicyclohexylamine
	4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide
190	77-73-6	dicyclopentadiene
191	50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate; isoprothiolane
192	17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate; edifenphos; EDDP
193	298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate; ethylthiometon; disulfoton

Numb er	CAS	Substance Name
194	2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate; phosalone
195	34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate; prothiofos
196	950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethylphosphorodithioate; methidathion; DMTP
197	121-75-5	O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate;
198	60-51-5	O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate; dimethoate
199	16090-02-1	disodium 2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]; C.I. Fluorescent 260
200	25321-14-6	dinitrotoluene
201	51-28-5	2,4-dinitrophenol
202	1321-74-0	divinylbenzene
203	122-39-4	diphenylamine
204	101-84-8	diphenyl ether
205	102-06-7	1,3-diphenylguanidine
206	55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate; carbosulfan
207	128-37-0	2,6-di-tert-butyl-4-cresol
	96-76-4	2,4-di-tert-butylphenol
209	124-48-1	dibromochloromethane
210	10222-01-2	2,2-dibromo-2-cyanoacetamide
211	-	dibromotetrafluoroethane; halone-2402
212	30560-19-1	(RS)-O,S-dimethyl acetylphosphoramidothioate; acephate
213	127-19-5	N,N-dimethylacetamide
214	95-68-1	2,4-dimethylaniline
215	87-62-7	2,6-dimethylaniline
216	121-69-7	N,N-dimethylaniline
217	31895-21-3	5-dimethylamino-1,2,3-trithiane; thiocyclam
218	124-40-3	dimethylamine
219	624-92-0	dimethyl disulfide
220	-	water-soluble salts of dimethyldithiocarbamic acid
221	82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate; benfuracarb
222	62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate; phenothiocarb
223	112-18-5	N,N-dimethyldodecylamine
224	1643-20-5	N,N-dimethyldodecylamine N-oxide
225	52-68-6	dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate; trichlorfon; DEP
226	57-14-7	1,1-dimethylhydrazine
227	1910-42-5	1,1'-dimethyl-4,4'-bipyridinium dichloride; paraquat; paraquat dichloride
228	91-97-4	3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate
229	23564-05-8	dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate); thiophanate-methyl
230	793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine
231	119-93-7	3,3'-dimethylbenzidine; o-tolidine

Numb er	CAS	Substance Name
232	68-12-2	N,N-dimethylformamide
233	2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate; phenthoate; PAP
234	7726-95-6	bromine
235	-	water-soluble salts of bromic acid
236	3861-47-0	3,5-diiodo-4-octanoyloxybenzonitrile; ioxynil octanoate
237	-	mercury and its compounds
238	61788-32-7	hydrogenated terphenyl
239	-	organic tin compounds
240	100-42-5	styrene
241	4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester
242	-	selenium and its compounds
243	-	dioxins
244	533-74-4	2-thioxo-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine; dazomet
245	62-56-6	thiourea
246	108-98-5	thiophenol
247	77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate; pyraclofos
248	333-41-5	O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate; diazinon
249	2921-88-2	O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate; chlorpyrifos
250	18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate; isoxathion
	122-14-5	O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate; fenitrothion; MEP
252	55-38-9	O,O-dimethyl O-3-methyl-4-(methylthio)phenyl phosphorothioate; fenthion; MPP
253	41198-08-7	O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate; profenofos
254	26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate; iprobenfos; IBP
255	1163-19-5	decabromodiphenyl ether
256	334-48-5	decanoic acid
257	112-30-1 25339-17-7	decyl alcohol; decanol
258	100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.1 <sup>3.7</sup> ]decane; hexamethylenetetramine
259	97-77-8	tetraethylthiuram disulfide; disulfiram
260	1897-45-6	tetrachloroisophthalonitrile; chlorothalonil; TPN
261	27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one; phthalide
262	127-18-4	tetrachloroethylene
263	-	tetrachlorodifluoroethane; CFC-112
264	118-75-2	2,3,5,6-tetrachloro-p-benzoquinone
265	11070-44-3	tetrahydromethylphthalic anhydride
266	79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl (Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-
	79330-32-2	dimethylcyclopropanecarboxylate; tefluthrin
267	E0660 26 0	3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-
	59669-26-0	6,10-dione; thiodicarb
268	137-26-8	tetramethylthiuram disulfide; thiram
269	505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol; isophytol
270	100-21-0	terephthalic acid
271	120-61-6	dimethyl terephthalate
272	-	copper salts(water-soluble, except complex salts)

273         112-53-8         1-dodecanol; n-dodecyl alcohol           274         25103-58-6         tert-dodecanethiol           275         151-21-3         sodium dodecyl sulfate           276         112-57-2         3,6,9-triazaundecane-1,11-diamine; tetraethylenepentamine           277         121-44-8         triethylamine           278         112-24-3         triethylenetetramine           279         71-55-6         1,1,1-trichloroethane           280         79-00-5         1,1,2-trichloroethane           281         79-01-6         trichloroacetic acid           283         108-77-0         2,4,6-trichloro-1,3,5-triazine           284         trichlorotrifluoroethane; CFC-113           285         76-06-2         trichloroitromethane; CFC-113           285         76-08-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofuoromethane; CFC-11           289         96-18-4         1,2,3-trichloropenol           290         12002-48-1         trichlorobenzene           291         12451-62-9         1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292	Numb er	CAS	Substance Name
275         151-21-3         sodium dodecyl sulfate           276         112-57-2         3,6,9-triazaundecane-1,11-diamine; tetraethylenepentamine           277         121-44-8         triethylamine           278         112-24-3         triethylenetetramine           279         71-55-6         1,1,1-trichloroethane           280         79-00-5         1,1,2-trichloroethane           281         79-01-6         trichloroethylene           282         76-03-9         trichloroacetic acid           283         108-77-0         2,4,6-trichloro-1,3,5-triazine           284         -         trichlorotrifluoroethane; CFC-113           285         76-06-2         trichlorointromethane; chloropicrin           286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         12451-62-9         1,3,5-tris/2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292         102-82-9         1,5-feribromophenol           295 </td <td>273</td> <td>112-53-8</td> <td>1-dodecanol; n-dodecyl alcohol</td>	273	112-53-8	1-dodecanol; n-dodecyl alcohol
276         112-57-2         3,6,9-triazaundecane-1,11-diamine; tetraethylenepentamine           277         121-44-8         triethylamine           278         112-24-3         triethylenetetramine           279         17-55-6         1,1,1-trichloroethane           281         79-00-5         1,1,2-trichloroethane           281         79-01-6         trichloroacetic acid           283         108-77-0         2,4,6-trichloro-1,3,5-triazine           284         trichlorotrifluoroethane; CFC-113           285         76-06-2         trichloronitromethane; chloropicrin           286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorope-popune           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         12451-62-9         trichlorobenzene           292         102-82-9         tributylamine           293         1582-09-8         α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-97	274	25103-58-6	tert-dodecanethiol
277         121-44-8         triethylamine           278         112-24-3         triethylenetetramine           279         71-55-6         1,1,1-trichloroethane           280         79-00-5         1,1,2-trichloroethane           281         79-01-6         trichloroethylene           282         76-03-9         trichloroacetic acid           283         108-77-0         2,4,6-trichloro-1,3,5-triazine           284         trichlorofiloromethane; CFC-113           285         76-06-2         trichloronitromethane; chloropicrin           286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         2451-62-9         1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292         102-82-9         tributylamine           293         1582-09-8         a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-9	275	151-21-3	sodium dodecyl sulfate
278         112-24-3         triethylenetetramine           279         71-55-6         1,1,1-trichloroethane           281         79-00-5         1,1,2-trichloroethane           281         79-01-6         trichloroethylene           282         76-03-9         trichloro-1,3,5-triazine           284         -         trichlorotrifluoroethane; CFC-113           285         76-06-2         trichloronitromethane; chloropicrin           287         88-06-2         2,4,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         2451-62-9         1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292         102-82-9         tributylamine           293         1582-09-8         α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-97-9         3,5,5-trimethyl-1-hexanol           296         96-63-6         1,2,4-trimethylbenzene           2	276	112-57-2	3,6,9-triazaundecane-1,11-diamine; tetraethylenepentamine
279         71-55-6         1,1,1-trichloroethane           280         79-00-5         1,1,2-trichloroethane           281         79-01-6         ttrichloroethylene           282         76-03-9         ttrichloroethylene           283         108-77-0         2,4,6-trichloro-1,3,5-triazine           284         -         trichloroitifluoroethane; CFC-113           285         76-06-2         trichloroitromethane; chloropicrin           286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         2451-62-9         1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292         102-82-9         tributylamine           293         1582-09-8         α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-97-9         3,5,5-trimethyl-1-hexanol           296         95-63-6         1,2,4-trimethylbenzene	277	121-44-8	triethylamine
280         79-00-5         1,1,2-trichloroethane           281         79-01-6         trichloroethylene           282         76-03-9         trichloroacetic acid           283         108-77-0         2,4,6-trichloro-1,3,5-triazine           284         -         trichlororifluoroethane; CFC-113           285         76-06-2         trichloronitromethane; chloropicrin           286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         2451-62-9         trichlorobenzene           292         102-82-9         tributylamine           293         1582-09-8         α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-97-9         3,5,5-trimethyl-1-hexanol           296         95-63-6         1,2,4-trimethylbenzene           298         26471-62-5         tolylene diisocyanate           299         95-53-4	278	112-24-3	triethylenetetramine
281         79-01-6         trichloroethylene           282         76-03-9         trichloroacetic acid           283         108-77-0         2,4,6-trichloro-1,3,5-triazine           284         -         trichlorotrifluoroethane; CFC-113           285         76-06-2         trichloronitromethane; chloropicrin           286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         2451-62-9         1,3,5-triis(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292         102-82-9         tributylamine           293         1582-09-8         a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-97-9         3,5,5-trimethyl-1-hexanol           296         95-63-6         1,2,4-trimethylbenzene           297         108-67-8         1,3,5-trimethylbenzene           299         95-53-4         106-49-0         1004-49-0 </td <td>279</td> <td>71-55-6</td> <td>1,1,1-trichloroethane</td>	279	71-55-6	1,1,1-trichloroethane
282         76-03-9         trichloroacetic acid           283         108-77-0         2,4,6-trichloro-1,3,5-triazine           284         -         trichlorotrifluoroethane; CFC-113           285         76-06-2         trichloronitromethane; chloropicrin           286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         2451-62-9         1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292         102-82-9         tributylamine           293         1582-09-8         α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-97-9         3,5,5-trimethyl-1-hexanol           296         95-63-6         1,2,4-trimethylbenzene           298         26471-62-5         tolylene diisocyanate           299         95-53-4         toluidine           300         108-88-3         toluenediamine           30	280	79-00-5	1,1,2-trichloroethane
283         108-77-0         2,4,6-trichloro-1,3,5-triazine           284         -         trichlorotrifluoroethane; CFC-113           285         76-06-2         trichloronitromethane; chloropicrin           286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         2451-62-9         1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292         102-82-9         tributylamine           293         1582-09-8         α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-97-9         3,5,5-trimethyl-1-hexanol           296         95-63-6         1,2,4-trimethylbenzene           297         108-67-8         1,3,5-trimethylbenzene           298         26471-62-5         tolylene diisocyanate           300         108-88-3         toluene           301         25376-45-8         toluenediamine <t< td=""><td>281</td><td>79-01-6</td><td>trichloroethylene</td></t<>	281	79-01-6	trichloroethylene
284 -         trichlorotrifluoroethane; CFC-113           285 76-06-2         trichloronitromethane; chloropicrin           286 55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287 88-06-2         2,4,6-trichlorophenol           288 75-69-4         trichlorofluoromethane; CFC-11           289 96-18-4         1,2,3-trichloropropane           290 12002-48-1         trichlorobenzene           291 2451-62-9         1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292 102-82-9         tributylamine           293 1582-09-8         α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294 118-79-6         2,4,6-tribromophenol           295 3452-97-9         3,5,5-trimethyl-1-hexanol           296 95-63-6         1,2,4-trimethylbenzene           297 108-67-8         1,3,5-trimethylbenzene           298 26471-62-5         tolylene diisocyanate           299 95-53-4 106-49-0         toluidine           300 108-88-3         toluene           301 25376-45-8         toluenediamine           302 91-20-3         naphthalene           303 373-72-6         1,5-naphthalenediyl diisocyanate           304 7439-92-1         lead	282	76-03-9	trichloroacetic acid
285         76-06-2         trichloronitromethane; chloropicrin           286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         2451-62-9         1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292         102-82-9         tributylamine           293         1582-09-8         α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-97-9         3,5,5-trimethyl-1-hexanol           296         95-63-6         1,2,4-trimethylbenzene           297         108-67-8         1,3,5-trimethylbenzene           298         26471-62-5         tolylene diisocyanate           300         108-88-3         toluene           301         25376-45-8         toluenediamine           302         91-20-3         naphthalene           304         7439-92-1         lead	283	108-77-0	2,4,6-trichloro-1,3,5-triazine
286         55335-06-3         (3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr           287         88-06-2         2,4,6-trichlorophenol           288         75-69-4         trichlorofluoromethane; CFC-11           289         96-18-4         1,2,3-trichloropropane           290         12002-48-1         trichlorobenzene           291         2451-62-9         1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione           292         102-82-9         tributylamine           293         1582-09-8         α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin           294         118-79-6         2,4,6-tribromophenol           295         3452-97-9         3,5,5-trimethyl-1-hexanol           296         95-63-6         1,2,4-trimethylbenzene           297         108-67-8         1,3,5-trimethylbenzene           298         26471-62-5         tolylene diisocyanate           300         108-88-3         toluene           301         25376-45-8         toluenediamine           302         91-20-3         naphthalene           304         7439-92-1         lead	284	-	trichlorotrifluoroethane; CFC-113
287 88-06-2 2,4,6-trichlorophenol 288 75-69-4 trichlorofluoromethane; CFC-11 289 96-18-4 1,2,3-trichloropropane 290 12002-48-1 trichlorobenzene 291 2451-62-9 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione 292 102-82-9 tributylamine 293 1582-09-8 α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin 294 118-79-6 2,4,6-tribromophenol 295 3452-97-9 3,5,5-trimethyl-1-hexanol 296 95-63-6 1,2,4-trimethylbenzene 297 108-67-8 1,3,5-trimethylbenzene 298 26471-62-5 tolylene diisocyanate 299 95-53-4 toluidine 300 108-88-3 toluene 301 25376-45-8 toluenediamine 302 91-20-3 naphthalene 303 3173-72-6 1,5-naphthalenediyl diisocyanate 304 7439-92-1 lead	285	76-06-2	trichloronitromethane; chloropicrin
288       75-69-4       trichlorofluoromethane; CFC-11         289       96-18-4       1,2,3-trichloropropane         290       12002-48-1       trichlorobenzene         291       2451-62-9       1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione         292       102-82-9       tributylamine         293       1582-09-8       α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin         294       118-79-6       2,4,6-tribromophenol         295       3452-97-9       3,5,5-trimethyl-1-hexanol         296       95-63-6       1,2,4-trimethylbenzene         297       108-67-8       1,3,5-trimethylbenzene         298       26471-62-5       tolylene diisocyanate         299       95-53-4 106-49-0       toluidine         300       108-88-3       toluene         301       25376-45-8       toluenediamine         302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead	286	55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr
289       96-18-4       1,2,3-trichloropropane         290       12002-48-1       trichlorobenzene         291       2451-62-9       1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione         292       102-82-9       tributylamine         293       1582-09-8       α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin         294       118-79-6       2,4,6-tribromophenol         295       3452-97-9       3,5,5-trimethyl-1-hexanol         296       95-63-6       1,2,4-trimethylbenzene         297       108-67-8       1,3,5-trimethylbenzene         298       26471-62-5       tolylene diisocyanate         299       95-53-4 106-49-0       toluidine         300       108-88-3       toluene         301       25376-45-8       toluenediamine         302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead	287	88-06-2	2,4,6-trichlorophenol
290       12002-48-1       trichlorobenzene         291       2451-62-9       1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione         292       102-82-9       tributylamine         293       1582-09-8       α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin         294       118-79-6       2,4,6-tribromophenol         295       3452-97-9       3,5,5-trimethyl-1-hexanol         296       95-63-6       1,2,4-trimethylbenzene         297       108-67-8       1,3,5-trimethylbenzene         298       26471-62-5       tolylene diisocyanate         299       95-53-4 106-49-0       toluidine         300       108-88-3       toluene         301       25376-45-8       toluenediamine         302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead	288	75-69-4	trichlorofluoromethane; CFC-11
291       2451-62-9       1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione         292       102-82-9       tributylamine         293       1582-09-8       α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin         294       118-79-6       2,4,6-tribromophenol         295       3452-97-9       3,5,5-trimethyl-1-hexanol         296       95-63-6       1,2,4-trimethylbenzene         297       108-67-8       1,3,5-trimethylbenzene         298       26471-62-5       tolylene diisocyanate         299       95-53-4       toluidine         300       108-88-3       toluene         301       25376-45-8       toluenediamine         302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead	289	96-18-4	1,2,3-trichloropropane
292 102-82-9 tributylamine 293 1582-09-8 α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin 294 118-79-6 2,4,6-tribromophenol 295 3452-97-9 3,5,5-trimethyl-1-hexanol 296 95-63-6 1,2,4-trimethylbenzene 297 108-67-8 1,3,5-trimethylbenzene 298 26471-62-5 tolylene diisocyanate 299 95-53-4 toluidine 300 108-88-3 toluene 301 25376-45-8 toluenediamine 302 91-20-3 naphthalene 303 3173-72-6 1,5-naphthalenediyl diisocyanate 304 7439-92-1 lead	290	12002-48-1	trichlorobenzene
293       1582-09-8       α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin         294       118-79-6       2,4,6-tribromophenol         295       3452-97-9       3,5,5-trimethyl-1-hexanol         296       95-63-6       1,2,4-trimethylbenzene         297       108-67-8       1,3,5-trimethylbenzene         298       26471-62-5       tolylene diisocyanate         299       95-53-4 106-49-0       toluidine         300       108-88-3       toluene         301       25376-45-8       toluenediamine         302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead	291	2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
294       118-79-6       2,4,6-tribromophenol         295       3452-97-9       3,5,5-trimethyl-1-hexanol         296       95-63-6       1,2,4-trimethylbenzene         297       108-67-8       1,3,5-trimethylbenzene         298       26471-62-5       tolylene diisocyanate         299       95-53-4 106-49-0       toluidine         300       108-88-3       toluene         301       25376-45-8       toluenediamine         302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead	292	102-82-9	tributylamine
295       3452-97-9       3,5,5-trimethyl-1-hexanol         296       95-63-6       1,2,4-trimethylbenzene         297       108-67-8       1,3,5-trimethylbenzene         298       26471-62-5       tolylene diisocyanate         299       95-53-4 106-49-0       toluidine         300       108-88-3       toluene         301       25376-45-8       toluenediamine         302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead	293	1582-09-8	α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin
296       95-63-6       1,2,4-trimethylbenzene         297       108-67-8       1,3,5-trimethylbenzene         298       26471-62-5       tolylene diisocyanate         299       95-53-4 106-49-0       toluidine         300       108-88-3       toluene         301       25376-45-8       toluenediamine         302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead	294	118-79-6	2,4,6-tribromophenol
297       108-67-8       1,3,5-trimethylbenzene         298       26471-62-5       tolylene diisocyanate         299       95-53-4 106-49-0       toluidine         300       108-88-3       toluene         301       25376-45-8       toluenediamine         302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead	295	3452-97-9	3,5,5-trimethyl-1-hexanol
298     26471-62-5     tolylene diisocyanate       299     95-53-4 106-49-0     toluidine       300     108-88-3     toluene       301     25376-45-8     toluenediamine       302     91-20-3     naphthalene       303     3173-72-6     1,5-naphthalenediyl diisocyanate       304     7439-92-1     lead	296	95-63-6	1,2,4-trimethylbenzene
299     95-53-4 106-49-0     toluidine       300     108-88-3     toluene       301     25376-45-8     toluenediamine       302     91-20-3     naphthalene       303     3173-72-6     1,5-naphthalenediyl diisocyanate       304     7439-92-1     lead	297	108-67-8	1,3,5-trimethylbenzene
299     toluidine       300     108-88-3     toluene       301     25376-45-8     toluenediamine       302     91-20-3     naphthalene       303     3173-72-6     1,5-naphthalenediyl diisocyanate       304     7439-92-1     lead	298	26471-62-5	tolylene diisocyanate
300     108-88-3     toluene       301     25376-45-8     toluenediamine       302     91-20-3     naphthalene       303     3173-72-6     1,5-naphthalenediyl diisocyanate       304     7439-92-1     lead	299		toluidine
301     25376-45-8     toluenediamine       302     91-20-3     naphthalene       303     3173-72-6     1,5-naphthalenediyl diisocyanate       304     7439-92-1     lead	300		toluene
302       91-20-3       naphthalene         303       3173-72-6       1,5-naphthalenediyl diisocyanate         304       7439-92-1       lead			
303 3173-72-6 1,5-naphthalenediyl diisocyanate 304 7439-92-1 lead		91-20-3	
304 7439-92-1 lead		3173-72-6	
		7439-92-1	
I SUS I- IIEAU COMPOUNUS	305	-	lead compounds
306 13048-33-4 hexamethylene diacrylate		13048-33-4	
307 7699-43-6 zirconium dichloride oxide			
308 7440-02-0 nickel			
309 - nickel compounds		-	
310 139-13-9 nitrilotriacetic acid		139-13-9	
311 91-23-6 o-nitroanisole			
312 88-74-4 o-nitroaniline			
313 55-63-0 nitroglycerin			
314 100-00-5 p-nitrochlorobenzene			
315 88-72-2 o-nitrotoluene			

Numb er	CAS	Substance Name
316	98-95-3	nitrobenzene
317	75-52-5	nitromethane
318	75-15-0	carbon disulfide
319	143-08-8	1-nonanol; n-nonyl alcohol
320	25154-52-3	nonylphenol
321	-	vanadium compounds
322	3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide
323	1014-70-6	2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine; simetryn
	101-90-6	1,3-bis[(2,3-epoxypropyl)oxy]benzene
	10380-28-6	bis(8-quinolinolato)copper; oxine-copper
	74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine; clofentezine
	782-74-1	1,2-bis(2-chlorophenyl)hydrazine
	137-30-4	zinc bis(N,N'-dimethyldithiocarbamate); ziram
320	137-30-4	N,N'-ethylenebis(thiocarbamoylthiozinc)bis(N,N-
329	64440-88-6	dimethyldithiocarbamate);polycarbamate
330	80-43-3	bis(1-methyl-1-phenylethyl) peroxide
	95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate; cadusafos
332	93403-99-9	arsenic and its inorganic compounds
	302-01-2	hydrazine
	99-76-3	methyl 4-hydroxybenzoate
	103-90-2	N-(4-hydroxyphenyl)acetamide
	123-31-9	hydroquinone
	100-40-3	4-vinyl-1-cyclohexene
	100-40-5	2-vinylpyridine
	88-12-0	N-vinyl-2-pyrrolidone
	92-52-4	biphenyl
	110-85-0	piperazine
	110-86-1	pyridine
	120-80-9	pyrocatechol
	96-09-3	phenyloxirane
	100-63-0	phenylhydrazine
	90-43-7	2-phenylphenol
	941-69-5	N-phenylmaleimide
•	95-54-5	IN-prienyimaleimide
	106-50-3	phenylenediamine
	108-45-2	
349	108-95-2	phenol
	52645-53-1	3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate;
254	106.00.0	permethrin
	106-99-0	1,3-butadiene
	131-17-9	diallyl phthalate
	84-66-2	diethyl phthalate
354	84-74-2	di-n-butyl phthalate

Numb	CAS	Substance Name
er		
355	117-81-7	bis(2-ethylhexyl)phthalate
356	85-68-7	n-butyl benzyl phthalate
357	69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one;
358	112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide; tebufenozide
359	2426-08-6	n-butyl-2,3-epoxypropyl ether
360	17804-35-2	methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate; benomyl
361	122008-85-9	butyl(R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate; cyhalofop-butyl
	80060-09-9	1-tert-butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea; diafenthiuron
363	19666-30-9	5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one;
364	134098-61-6	tert-butyl 4-({[(1,3-dimethyl-5-phenoxy-4-
		pyrazolyl)methylidene]aminooxy}methyl)benzoate; fenpyroximate
365	25013-16-5	butylhydroxyanisole; BHA
366	75-91-2	tert-butyl hydroperoxide
367	89-72-5	o-sec-butylphenol
368	98-54-4	4-tert-butylphenol
369	2312-35-8	2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite; propargite; BPPS
370	96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone; pyridaben
371	119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-
372	95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide
373	88-60-8	2-tert-butyl-5-methylphenol
374	-	hydrogen fluoride and its water-soluble salts
375	4170-30-3	2-butenal
376	23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide; butachlor
377	110-00-9	furan
378	12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc; propineb
379	107-19-7	2-propyn-1-ol
380	353-59-3	bromochlorodifluoromethane; halone-1211
381	75-27-4	bromodichloromethane
382	75-63-8	bromotrifluoromethane; halone-1301
383	314-40-9	5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione; bromacil
384	106-94-5	1-bromopropane
385	75-26-3	2-bromopropane
386	74-83-9	bromomethane; methyl bromide
387	13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane; fenbutatin oxide
000	445.00.7	6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-
388	115-29-7	benzodioxathiepine 3-oxide; endosulfan
389	112-02-7	hexadecyltrimethylammonium chloride
390	124-09-4	hexamethylenediamine
391	822-06-0	hexamethylene diisocyanate
392	110-54-3	n-hexane
393	135-19-3	betanaphthol
394	-	beryllium and its compounds
395	-	water-soluble salts of peroxodisulfuric acid
396	1763-23-1	perfluoro(octane-1-sulfonic acid); PFOS
000	1.700 20 1	pometro control of outlottic doid, i i oo

Numb er	CAS	Substance Name
397	98-07-7	benzylidyne trichloride
398	100-44-7	benzyl chloride
399	100-52-7	benzaldehyde
400	71-43-2	benzene
401	552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride
402	73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide; mefenacet
403	119-61-9	benzophenone
404	87-86-5	pentachlorophenol
405	-	boron compounds
406	1336-36-3	polychlorinated biphenyls; PCBs
407	-	poly(oxyethylene)alkyl ether(alkyl C=12-15)
408	9036-19-5	poly(oxyethylene)octylphenyl ether
409	9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate
410	9016-45-9	poly(oxyethylene)nonylphenyl ether
411	50-00-0	formaldehyde
412	-	manganese and its compounds
413	85-44-9	phthalic anhydride
414	108-31-6	maleic anhydride
415	79-41-4	methacrylic acid
416	688-84-6	2-ethylhexyl methacrylate
417	106-91-2	2,3-epoxypropyl methacrylate
418	2867-47-2	2-(dimethylamino)ethyl methacrylate
419	97-88-1	n-butyl methacrylate
420	80-62-6	methyl methacrylate
421	674-82-8	4-methylideneoxetan-2-one
	89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone; ferimzone
423	74-89-5	methylamine
424	556-61-6	methyl isothiocyanate
425	2631-40-5	2-isopropylphenyl N-methylcarbamate; isoprocarb; MIPC
426	1563-66-2	2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate; carbofuran
427	63-25-2	1-naphthyl N-methylcarbamate; carbaryl; NAC
428	3766-81-2	2-sec-butylphenyl N-methylcarbamate; fenobucarb; BPMC
429	100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate; halosulfuron-methyl
430	173584-44-6	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)
431	131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate; azoxystrobin
432	33089-61-1	3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene; amitraz
433	144-54-7	N-methyldithiocarbamic acid; carbam
434	23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate; oxamyl
435	136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate;
	130191-04-5	pyriminobac-methyl

Numb er	CAS	Substance Name
	98-83-9	α-methylstyrene
437	3268-49-3	3-methylthiopropanal
438	1321-94-4	methylnaphthalene
439	108-99-6	3-methylpyridine
440	80-15-9	1-methyl-1-phenylethyl hydroperoxide
441	88-85-7	2-(1-methylpropyl)-4,6-dinitrophenol
442	55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide; mepronil
443	16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate; methomyl
444	141517-21-7	methyl (E)-methoxyimino-[2-[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene] amino]oxy]methyl]phenyl]acetate; trifloxystrobin
445	143390-89-0	methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate; kresoxim-methyl
446	101-77-9	4,4'-methylenedianiline
447	5124-30-1	methylenebis(4,1-cyclohexylene)diisocyanate
448	101-68-8	methylenebis(4,1-phenylene) diisocyanate
449	13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate; phenmedipham
450	88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate; pyributicarb
451	120-71-8	2-methoxy-5-methylaniline
452	149-30-4	2-mercaptobenzothiazole
453	-	molybdenum and its compounds
454	95-32-9	2-(morpholinodithio)benzothiazole
455	110-91-8	morpholine
456	20859-73-8	aluminium phosphide
457	62-73-7	dimethyl 2,2-dichlorovinyl phosphate; dichlorvos; DDVP
458	78-42-2	tris(2-ethylhexyl) phosphate
459	115-96-8	tris(2-chloroethyl)phosphate
460	1330-78-5	tritolyl phosphate
461	115-86-6	triphenyl phosphate
462	126-73-8	tri-n-butyl phosphate

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ANNEX 2. HARMONISED LIST OF POLLUTANTS (LONG CHEMICAL LIST)
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### Legend

PRTR Program	Column	Symbol	Explanation
All	Covered by PRTR?	*	Substance included as a compound entry in the respective PRTR; or substances regulated in complementary programs to the respective PRTR
All	Covered by PRTR?	X	Substance covered under the PRTR.
Canada: NPRI	Activity	✓	Reporting of Part 3 chemicals is based on whether or not the facility engages in a list of specified activities.
Canada: NPRI	Air Release (kg/year)	1000 <sup>A</sup>	Designates a reporting threshold of 1000 kg/year (1 ton) for Part 5 chemicals. A Part 5 substances must be reported if both the quantity of that substance released to air exceeds 1000 kg/year and the sum of all Part 4 chemicals released to air exceeds 10 tons.
EU: E-PRTR and Kiev Protocol Implementation Guidance	Release to Air Release to Water Release to Land	-	The chemical and medium (air, water, or land) does not trigger a reporting requirement.
Kiev Protocol Implementation Guidance	Manufacture, Process or Use (kg/year)	#	Release threshold to air should be used instead of an MPU threshold.
Kiev Protocol Implementation Guidance	Manufacture, Process or Use (kg/year)	##	Release threshold to water should be used instead of an MPU threshold.
Japan: PRTR	Chemical Category	I	Class 1 Designated Substance
Japan: PRTR	Chemical Category	S	Specific Class 1 Designated Substance
US: TRI	De Minimis % Limit	<b>‡</b>	The given chemical is designated as PBT (persistent, bio accumulative, and toxic) and therefore no concentration threshold applies.
US: TRI	Manufacture (kg/year) Process (kg/year) Otherwise Use (kg/year) De Minimis % Limit	RS	Reporting for the chemical was stayed in 1995, no threshold information provided.
All	Reporting Score	0	Not Reported
All	Reporting Score	•	Low Reporting
All	Reporting Score	••	Medium Reporting
All	Reporting Score	•••	High Reporting

Persistent Organic Pollutants (POPs), Greenhouse gases (GHGs): present in ≤2 PRTR-Systems, but included due to their environmental relevance Substances in groups where single substances are present in 5 PRTR-Systems

Substances in groups where single substances are present in 4 PRTR-Systems (incl. 3 POPs)

Substances in groups where single substances are present in 3 PRTR-Systems

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
Persistent Org	ganic Pollutants (POPs)						
	Pesticides						
309-00-2 57-74-9	Aldrin Chlordane			X	X		X
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane			X X	X X		Х
60-57-1	Dieldrin			х	х		
72-20-8	Endrin			Х	Х		
76-44-8 2385-85-5	Heptachlor Mirex			X	X		Х
8001-35-2	Toxaphene			X X	X X		х
319-84-6	alpha-hexachlorocyclohexane						Х
319-85-7	beta-hexachlorocyclohexane						
58-89-9	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-			х	x		х
	,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)						
143-50-0	Chlordecone			х	х		
608-93-5	Pentachlorobenzene Industrial chemicals			Х	х		Х
118-74-1	Hexachlorobenzene (HCB)	х	х	Х	х		х
1336-36-3	Polychlorinated biphenyls (PCBs)	x		x	x	х	х
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated			х			*
	Biphenyls (PBBs) 2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl						
68631-49-2	ether and heptabromodiphenyl ether (commercial octabromodiphenyl						
	ether)						
207422 45 4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl						
207122-15-4	ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)						
	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as						
446255-22-7	Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial						
	octabromodiphenyl ether)						
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial						
20/122 10 3	octabromodiphenyl ether)						
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and						
	pentabromodiphenyl ether (commercial pentabromodiphenyl ether)  Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and						
60348-60-9	pentabromodiphenyl ether (commercial pentabromodiphenyl ether)						
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl						
LCL-1	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)					Х	
	Polychlorinated dioxins and furans						
	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin						
LCL-2	and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless	x	*	х	v		
LCL-2	information is not available. In this case, facilities are required to report on			^	x		Х
	total dioxins and furans in grams toxic equivalent (I-TEQ))						
	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is:						
	2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is						
	often used for the family of structurally and chemically related						
1.01.2	polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated					.,	
LCL-3	dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term					Х	
	"dioxins". Some 419 types of dioxin-related compounds have been						
	identified but only about 30 of these are considered to have significant						
	toxicity, with TCDD being the most toxic.						
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) /						
67562-39-4	USA: listed in TRI as member of dioxin and dioxin-like compounds		x				х
	category 1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) /						
55673-89-7	USA: listed in TRI as member of dioxin and dioxin-like compounds		x				х
	category						
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds		x				х
-3022 40 3	category	<u>L</u>	^				_^
	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) /						
70648-26-9	USA: listed in TRI as member of dioxin and dioxin-like compounds		x				х
	category 1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) /						
72918-21-9	USA: listed in TRI as member of dioxin and dioxin-like compounds		x				х
	category						
F7117 44 O	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) /		.,				.,
57117-44-9	USA: listed in TRI as member of dioxin and dioxin-like compounds category		х				х
	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) /						
60851-34-5	USA: listed in TRI as member of dioxin and dioxin-like compounds		х				х
	category 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) /	-					
39227-28-6	USA: listed in TRI as member of dioxin and dioxin-like compounds		х				х
	category	<u> </u>					
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) /						
19408-74-3	USA: listed in TRI as member of dioxin and dioxin-like compounds		х				Х
	category 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) /						
57653-85-7	USA: listed in TRI as member of dioxin and dioxin-like compounds		х				х
	category						
30001 02 0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in		U				v
39001-02-0	TRI as member of dioxin and dioxin-like compounds category		x				Х
	The state of a community and a compount as category						

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI		Kiev Protocol	Japan PRTR	US TRI
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		х				x
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		х				х
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
Metals							
	Antimony and its compounds						
7440-36-0	Antimony Company Company						Х
LCL-4 LCL-5	Antimony Compounds Antimony and its compounds	х	х			х	Х
LOL J	Arsenic and its compounds	_^	^			^	
7440-38-2	Arsenic						Х
LCL-6	Arsenic Compounds						Х
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)  Boron and its compounds	Х	Х	Х	Х	х	
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds	х				х	
10294-34-5	Boron trichloride						Х
7637-07-2	Boron trifluoride		х				Х
7440-43-9	Cadmium and its compounds Cadmium						х
LCL-9	Cadmium Compounds						x
LCL-10	Cadmium and its compounds / Cadmium and compounds (as Cd)	х	х	х	х	Х	
	Chromium and its compounds						
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical forms)			x	x		
7440-47-3	Chromium						х
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal						х
LCL-12	region)						^
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)		x				
LCL-14	Chromium III compounds / chromium and chromium(III) compounds	×				х	
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)	x	х			×	
	Cobalt and its compounds						
7440-48-4	Cobalt						х
LCL-16	Cobalt Compounds						Х
LCL-17	Cobalt and its compounds	х	Х			Х	
7440-50-8	Copper and its compounds Copper						х
LCL-18	Copper Compounds						×
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper	х	х	х	x	х	
	salts (water-soluble, except complex salts))						*
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")  Lead and its compounds					Х	
	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys						
7439-92-1	the de minimis level is 0.1)					Х	х
LCL-20	Lead Compounds					Х	Х
LCL-21 LCL-22	Lead and its compounds / Lead and compounds as (Pb)  Lead and its compounds except tetraethyl lead	Х	х	Х	х		
78-00-2	Tetraethyl lead (USA: included as "lead compound")		x				*
	Manganese and its compounds						
7439-96-5	Manganese Compounds						X
LCL-23 LCL-24	Manganese Compounds  Manganese and its compounds	х	х			х	Х
	Mercury and its compounds						
7439-97-6	Mercury						Х
LCL-25 LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	- V	v	v		v	Х
LCL-20	Mercury and its compounds / Mercury and compounds (as Hg)  Nickel and its compounds	X	Х	Х	Х	Х	
7440-02-0	Nickel					х	Х
LCL-27	Nickel Compounds					Х	Х
LCL-28 12035-72-2	Nickel and its compounds / Nickel and compounds (as Ni)  Nickel subsulfide (USA and Canada: included as "nickel compound")	X X	*	Х	х		*
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")	X	*				*
	Selenium and its compounds						
7782-49-2	Selenium						Х
LCL-29 LCL-30	Selenium Compounds Selenium and its compounds	- U	v				Х
LCL-30	Zinc and its compounds	х	х			Х	
7440-66-6	Zinc (fume or dust)						х
LCL-31	Zinc Compounds				_		Х
LCL-32	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds	х	х	х	x	х	_
	(water-soluble) (Jpn)						

Pollutant		Covered b	y PRTR?				
CAS Number	Pollutant Name	Australia NPI		EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc compound") / ziram					х	*
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]						Х
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb					х	
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-dimethyldithiocarbamate) or polymer of N,N'-propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")					x	*
	Beryllium and its compounds						
7440-41-7	Beryllium						Х
LCL-33	Beryllium Compounds						Х
LCL-34	Beryllium and its compounds  Silver and its compounds	Х				Х	
7440-22-4	Silver						х
LCL-35	Silver Compounds						х
LCL-36	Silver and its compounds / Jpn: water-soluble compounds		х			х	
	Vanadium and its compounds						
7440-62-2	Vanadium (except when contained in an alloy)		х				х
LCL-37	Vanadium compounds					Х	Х
	Aluminum and compounds						
7429-90-5 1344-28-1	Aluminum (fume or dust) Aluminum oxide (fibrous forms)	1	X X				X X
20859-73-8	Aluminum oxide (fibrous forms)  Aluminum phosphide	1	х			х	x
	Barium and its compounds					^	^
7440-39-3	Barium						х
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)						х
	Indium and its compounds						
LCL-39	Indium and its compounds					Х	
7705-08-0	Iron and its compounds						
13463-40-6	ferric chloride Iron pentacarbonyl		х			Х	х
13403-40-0	Lithium and its compounds		^				^
554-13-2	Lithium carbonate		х				х
	Magnesium and its compounds						
1309-48-4	Magnesium oxide fume	х					
	Molybdenum and its compounds						
LCL-40	Molybdenum and its compounds					х	
1313-27-5	Molybdenum trioxide		х				Х
20045 42 0	Osmium and its compounds						
20816-12-0	Osmium tetroxide Thallium and its compounds						Х
7440-28-0	Thallium						х
LCL-41	Thallium Compounds						х
	Titanium tetrachloride						
7550-45-0	Titanium tetrachloride		х				Х
	Zirconium						
	zirconium dichloride oxide					х	
Inorganic sub							
	Asbestos						
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)		Х	Х	Х	Х	Х
LCL-42	Cyanides (as total CN)  Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	х	х	х	x	х	x
74-90-8							.,
74-30-6	Hydrogen cyanide Fluorides (as total F)		Х	Х	Х		Х
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts			х	х	x	
LCL-44	Fluoride compounds	х					
7664-39-3	Hydrogen fluoride		X				х
7681-49-4 7789-75-5	Sodium fluoride Calcium fluoride		×				
7789-75-5	Calcium fluoride Phosphorus		Х				
LCL-45	Phosphorus (total)	x		х	х		
LCL-46	Phosphorus (total, excluding yellow or white phosphorus)		х				
7723-14-0	Phosphorus (yellow, white) Nitrate		Х				Х
LCL-47	Nitrate Compounds (water dissociable; reportable only when in aqueous						х
LCL-48	solution) nitrate ion in solution at ph >= 6.0		х				
7697-37-2	Nitric Acid  Particulate matter	х	X				х
LCL-49	PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)		х				
LCL-50	PM10 - Particulate matter	х	х	х	х		
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns	х	х				
	Sulfate						
7664-93-9	Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)	х	x				x
	Chloride (as CI-)						
LCL-52	Chlorides (as total CI)			Х	х		
	Nitrite						
	·			_			_

Pollutant		Covered by	PRTR?				
CAS Number	Pollutant Name	Australia NPI			Kiev Protocol	Japan PRTR	US TRI
7632-00-0	Sodium nitrite		Х				х
07758-01-2	Potassium bromate Potassium bromate		х				х
	Phosphoric acid						
7664-38-2	Phosphoric acid  Sodium azide	Х					
26628-22-8	Sodium azide					х	х
	Thorium dioxide						
1314-20-1	Thorium dioxide Total Nitrogen		Х				Х
LCL-53	Total nitrogen	х		Х	х		
	Total Sulphur						
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and		х				
	methyl mercaptan, expressed as hydrogen sulphide)						
Chlorinated a	nd brominated organic substances						
107-06-2	Chlorinated ethanes and propanes 1,2-Dichloroethane	х	х	х	х	х	х
75-00-3	Chloroethane	х	Х				Х
79-00-5 71-55-6	1,1,2-Trichloroethane 1,1,1-trichloroethane	Х	Х	х	х	x	x
79-34-5	1,1,2,2-Tetrachloroethane	х	х	×	X	^	X
630-20-6	1,1,1,2-Tetrachloroethane		х				Х
75-34-3 76-01-7	Ethylidene dichloride (1,1-Dichloroethane) Pentachloroethane		х				X
67-72-1	Hexachloroethane		x				X
78-87-5	1,2-Dichloropropane		Х			X	Х
96-18-4	1,2,3-Trichloropropane  Chlorinated ethenes and propenes					Х	Х
75-01-4	Vinyl chloride (Chloroethylene)	х	х	х	х	х	х
79-01-6	Trichloroethylene	х	Х	х	х	Х	Х
127-18-4 75-35-4	Tetrachloroethylene Vinylidene chloride (1,1-dichloroethylene)	х	X X	Х	х	X X	X
107-05-1	Allyl chloride (3-chloropropene)		Х			Х	Х
563-47-3	3-Chloro-2-methyl-1-propene		Х			X	Х
156-59-2 540-59-0	cis-1,2-dichloroethylene 1,2-Dichloroethylene					Х	х
542-75-6	1,3-Dichloropropylene / D-D					Х	Х
78-88-6 10061-02-6	2,3-dichloropropene trans-1,3-dichloropropene						X
10001-02-0	Chlorinated methanes						
75-09-2	Dichloromethane / methylene dichloride	х	Х	х	Х	Х	Х
67-66-3 56-23-5	Trichloromethane / Chloroform Tetrachloromethane / Carbon tetrachloride	х	X	X	X	X	X
74-87-3	Chloromethane / methyl chloride		X X	х	Х	x	x
	Chlorobenzenes						
108-90-7 95-50-1	Chlorobenzene o-Dichlorobenzene; 1,2-Dichlorobenzene		X X			Х	x
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene		X				X
541-73-1	1,3-Dichlorobenzene						Х
25321-22-6 12002-48-1	Dichlorobenzene (mixed isomers) Trichlorobenzenes			х	х	X	Х
120-82-1	1,2,4-Trichlorobenzene		Х				Х
1152 10 5	Brominated diphenylethers (PBDE)						
1163-19-5	Decabromodiphenyl ether  Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE		Х			Х	Х
LCL-55	and deca-BDE)			Х	х		
	Short Chain Chlorinated Paraffins (SCCPs)						
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro		х	x	x	х	х
LCL-56	Alkanes, C6-18, chloro (attention: short chain: only <c14!)< td=""><td></td><td>Х</td><td></td><td></td><td></td><td></td></c14!)<>		Х				
75.25.2	Brominated VOC						
75-25-2 74-95-3	Bromoform (Tribromomethane) Methylene bromide						X
124-48-1	dibromochloromethane					Х	
75-27-4	Dichlorobromomethane / bromodichloromethane					Х	X
106-93-4 107-04-0	1,2-Dibromoethane 1-Bromo-2-chloroethane	х	х				Х
106-94-5	1-bromopropane					Х	
75-26-3 593-60-2	2-bromopropane Vinyl bromide					Х	Х
333 00-2	Chlorinated toluenes and phenols						_^
95-57-8	o-chlorophenol					Х	
106-48-9 95-73-8	p-chlorophenol 2,4-dichlorotoluene					x x	
87-86-5	Pentachlorophenol (PCP)			х	х	X	х
LCL-57	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)	х	_	•	_	•	Х
120-83-2 88-06-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts) 2,4,6-Trichlorophenol		Х			х	X
95-95-4	2,4,5-Trichlorophenol						X
95-49-8	o-chlorotoluene					Х	
106-43-4 131-52-2	p-chlorotoluene Sodium pentachlorophenate					Х	х
98-87-3	Benzal chloride (Benzylidene dichloride)						Х
98-88-4	Benzoyl chloride		X			v	X
100-44-7 611-19-8	Benzyl chloride 1-chloro-2-(chloromethyl)benzene		Х			X X	Х
59-50-7	4-chloro-3-methylphenol					Х	
98-07-7	Benzoic trichloride (Benzylidyne trichloride)					х	Х

Pollutant		Covered by PRTR?
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan U NPI NPRI E-PRTR Protocol PRTR TI
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-	X
	dicarboxylic acid) Chlorinated carboxylic acids & carboxylic acid esters	
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)	x x x
76-03-9	trichloroacetic acid	x
76-02-8	Trichloroacetyl chloride	,
598-78-7 105-39-5	2-chloropropionic acid ethyl chloroacetate	X X
103 33 3	Bis(2-chloro-1-methylethyl) ether	^
108-60-1	Bis(2-chloro-1-methylethyl) ether	)
111-91-1	Bis(2-chloroethoxy)methane Bis(2-chloroethoxy)methane	,
-	Chloroanilines	
95-51-2 106-47-8	o-chloroaniline p-chloroaniline	,
LCL-58	chloroaniline	X
LCL-59	dichloroaniline	х
95-69-2	p-chloro-o-toluidine Chloroprene	<u> </u>
126-99-8	Chloroprene	)
440.57.6	Chlorinated butenes	
110-57-6 764-41-0	Trans-1,4-dichloro-2-butene 1,4-dichloro-2-butene	
	Chloronaphthalenes	,
1335-87-1	Hexachloronaphthalene	,
2234-13-1	Octachloronaphthalene 3-Chloropropionitrile	
542-76-7	3-Chloropropionitrile	x
70.44.7	Dimethylcarbamyl chloride	
79-44-7	Dimethyl chlorothiophosphate	)
2524-03-0	Dimethyl chlorothiophosphate	,
	2,2-dibromo-2-cyanoacetamide	
10222-01-2	$ 2,2-dibromo-2-cyanoacetamide \ (Jpn)\ /\ 2,2-Dibromo-3-nitrilopropionamide \ (USA: on TRI list, but reporting requirements currently suspended) $	x
LCL-60	Halogenated organic compounds Halogenated organic compounds (as AOX)	x x
87-68-3	Hexachlorobutadiene (HCBD) Hexachlorobutadiene (HCBD)	x x >
	Hexachlorocyclopentadiene	
77-47-4	Hexachlorocyclopentadiene	X )
594-42-3	Perchloromethyl mercaptan Perchloromethyl mercaptan	,
	2,2-bis(Bromomethyl)-1,3-propanediol	
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)	,
LCL-61	Polybrominated biphenyls (PBBs) Polybrominated biphenyls	,
	Tetrabromobisphenol A (TBBPA)	
79-94-7	Tetrabromobisphenol A (TBBPA)	)
126-72-7	Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate	,
120 72 7	Vinyl Fluoride	
75-02-5	Vinyl Fluoride (added to TRI for RY2011)	)
116-14-3	Tetrafluoroethylene Tetrafluoroethylene (USA: added to TRI for RY2011)	,
	ing substances	
	Hydrochlorofluorocarbons (HCFCs)	
LCL-62	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1).	
75.42.4	Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1)	
75-43-4 75-45-6	HCFC-21, Dichlorofluoromethane HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane	X X X
354-14-3	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane	
354-11-0	HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane	
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)	х
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)	x x x
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)	* x x
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)	* ×
812-04-4	HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI	* ,
90454-18-5	with CAS 34077-87-7) Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)	*
	07-71	l .

Pollutant		Covered by PRTR?		
CAS Number	Pollutant Name	Australia Canada EU Kiev Ja NPI NPRI E-PRTR Protocol P	apan PRTR	US TRI
63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0	х		х
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)	*		x
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)	*	x	х
1649-08-7 75-88-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b			X
1717-00-6	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)		.,	X
75-68-3	HCFC-141b / 1,1-dichloro-1-fluoroethane HCFC-142b / 1-chloro-1,1-difluoroethane	x x	X	X
127564-92-5	Dichloropentafluoropropane	*	X	X
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)		^	x
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane			x
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane			X
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane			x
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane			х
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane			Х
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane			Х
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane			Х
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane			Х
431-07-2	Chlorotrifluoroethane (HCFC-133)		Х	
LCL-63	Chlorofluorocarbon (CFCs) Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No	x x		
	2037/2000)			
75-69-4	CFC-11, Trichlorofluoromethane	х	Х	х
75-71-8	CFC-12, Dichlorodifluoromethane	x	Х	х
76-13-1	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-		v	v
70-13-1	1,2,2,-trifluoro-]		Х	Х
76-14-2	CFC-114, Dichlorotetrafluoroethane	x	Х	Х
76-15-3	CFC-115, Monochloropentafluoroethane	х	Х	Х
75-72-9	CFC-13, Chlorotrifluoromethane	х	Х	Х
LCL-64	CFC-112, Tetrachlorodifluoroethane		Х	
	Halons			
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)	x x		
353-59-3	Halon 1211, Bromochlorodifluoromethane	x	Х	Х
75-63-8	Halon 1301, Bromotrifluoromethane	x	Х	Х
124-73-2	Dibromotetrafluoroethane (Halon 2402)		Х	Х
74-83-9	Bromomethane (Methyl bromide)	x	Х	Х
Greenhouse g	ases (GHGs)			
	Carbon dioxide (CO2)			
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	* * x x	*	*
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.			
74-82-8	Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	* * x x	*	*

#### Long Chemical List

Pollutant		Covered by PRTR?	
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan US NPI NPRI E-PRTR Protocol PRTR TRI	
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.		
10024-97-2	Nitrous oxide (N2O)  Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	* * x x * *	
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.		
	Hydrofluorocarbons (HFCs)		
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC135a, HFC143, HFC143a, HFC226fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	* * x x * *	
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.		
	Perfluorocarbons (PFCs)		
LCL-67	Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	* * x x * *	

Pollutant		Covered b	y PRTR?				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI		Kiev Protocol	Japan PRTR	US TRI
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources						
	and suppliers in the United States. These data and information will be made available to the public.						
	Sulphur hexafluoride (SF6)  Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The						
2551-62-4	national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	*	*	x	x	*	*
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be						
Other gases	made available to the public.						
Other gases	Ammonia						
7664-41-7	Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) (USA)			x	x		x
1782-50-5	Ammonia (Total)  Chlorine and inorganic compounds (as HCl)  Chlorine	Х	x				х
LCL-69	Chlorine & compounds / Chlorine and inorganic compounds (as HCI)	х		х	х		
7647-01-0	Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	х	х				x
75-21-8	Ethylene oxide Ethylene oxide	х	х	х	х	Х	Х
7726-95-6	Bromine Bromine		х			х	х
10049-04-4	Chlorine dioxide Chlorine dioxide Carbon monoxide	х	Х				х
630-08-0	Carbon monoxide	х	х	х	х		
7782-41-4 LCL-70	Fluorine and inorganic compounds (as HF) Fluorine		х				Х
LCL-70	Fluorine and inorganic compounds (as HF)			Х	Х		
7783-06-4	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)	х	х	х	х		х
	Hydrogen sulfide  Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)  Nitrogen oxides  Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)	x	x	x	x		x
7783-06-4	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended) Nitrogen oxides						х
7783-06-4	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended) Nitrogen oxides Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2) Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid water-soluble salts of bromic acid	х	х	х	х	X	x
7783-06-4 11104-93-1 2025-88-4 LCL-71 74-85-1	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended) Nitrogen oxides Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2) Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid water-soluble salts of bromic acid Hydrocarbons (gases) Ethylene	х	x x	х	х	x	x
7783-06-4  11104-93-1  2025-88-4  LCL-71	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended) Nitrogen oxides Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2) Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid Hydrocarbons (gases)	х	x	х	х	X	
7783-06-4 11104-93-1 2025-88-4 LCL-71 74-85-1 74-86-2 74-98-6 115-07-1	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended) Nitrogen oxides Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2) Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid water-soluble salts of bromic acid Hydrocarbons (gases) Ethylene Acetylene Propane Propylene	х	x x x x x x x x	х	х	x	
7783-06-4  11104-93-1  2025-88-4  LCL-71  74-85-1  74-86-2  74-98-6	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended) Nitrogen oxides Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2) Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid water-soluble salts of bromic acid Hydrocarbons (gases) Ethylene Acetylene Propane	х	x x x x x	х	х	X	x
7783-06-4  11104-93-1  2025-88-4  LCL-71  74-85-1  74-86-2  74-98-6  115-07-1  LCL-72  25167-67-3	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended) Nitrogen oxides Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2) Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid water-soluble salts of bromic acid Hydrocarbons (gases) Ethylene Acetylene Propane Propylene Butane (all isomers) Butene (all isomers) Mustard	х	x x x x x x x x	х	х	x	x
7783-06-4  11104-93-1  2025-88-4  LCL-71  74-85-1  74-86-2  74-98-6  115-07-1  LCL-72	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended) Nitrogen oxides Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2) Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid water-soluble salts of bromic acid Hydrocarbons (gases) Ethylene Acetylene Propane Propane Propylene Butane (all isomers) Butene (all isomers) Mustard Mustard Gas Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]	х	x x x x x x x x	х	х	x	x
7783-06-4  11104-93-1  2025-88-4  LCL-71  74-85-1  74-86-2  74-98-6  115-07-1  LCL-72  25167-67-3	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended) Nitrogen oxides Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2) Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid water-soluble salts of bromic acid Hydrocarbons (gases) Ethylene Acetylene Propane Propylene Butane (all isomers) Butene (all isomers) Mustard Mustard Gas	х	x x x x x x x x	х	х	x	x

Pollutant		Covered by PRTR?
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan US NPI NPRI E-PRTR Protocol PRTR TRI
10028-15-6	Ozone Culfurud fluorida	x
2699-79-8	Sulfuryl fluoride Sulfuryl fluoride	x
	Phosphine	
7803-51-2 Polycyclic aro	Phosphine matic hydrocarbons (PAHs)	X
, , , , , , , , , , , , , , , , , , , ,	Polycyclic aromatic hydrocarbons (PAHs)	
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq) Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8),	x
LCL-74	benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)  Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires	x x
LCL-75	reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the NPRI substance list.	* x
56-55-3	Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
205-99-2	Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
205-82-3	Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic	x x
206-44-0	compounds (PACs) category) Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the	x x x x
189-55-9	Polycyclic aromatic compounds (PACs) category) Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds	x x
218-01-9	(PACs) category) Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic	x x
50-32-8	compounds (PACs) category) Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
226-36-8	Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
224-42-0	Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
53-70-3	Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
194-59-2	7H-Dibenzo(c,g).carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	х
189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
191-30-0	Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
57-97-6	7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)	х
193-39-5	Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
56-49-5	3-Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
3697-24-3	5-Methylchrysene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
5522-43-0	1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	x x
42397-64-8	<ol> <li>1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)</li> </ol>	x
42397-65-9	<ol> <li>1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)</li> </ol>	x
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)	x
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)	х
8001-58-9	Creosote	x x
120-12-7	Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	x x x x x
191-24-2	Benzo(g,h,i)perylene Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals	x x x
91-20-3 LCL-76	intentionally used and therefore listed individually) methylnaphthalene (Jpn: PAHs in the PRTR system are limited to	x x x x x
83-32-9	chemicals intentionally used and therefore listed individually) acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals	x x
85-01-8	intentionally used and therefore listed individually) Phenanthrene	x x
192-97-2 198-55-0	Benzo(e)pyrene	X V
198-55-0 129-00-0	Perylene Pyrene	x x
208-96-8	Acenaphthylene - PAH	х
86-73-7 Other organic	Fluorene - PAH substances	X
	Acetonitrile	
75-05-8	Acetonitrile	x x x x
107-02-8	Acrolein Acrolein	x x x x x
	Acrylamid	

Pollutant		Covered by PRTR?		
CAS Number	Pollutant Name	Australia Canada EU Kiev NPI NPRI E-PRTR Protocol	Japan PRTR	US TRI
79-06-1	Acrylamid	x x	х	х
	Acrylic and methacrylic acid			
79-10-7 79-41-4	Acrylic acid / acrylic acid and its water-soluble salts (Jpn) methacrylic acid	X X	X	Х
79-41-4	Acrylic and methacrylic acid esters		Х	
818-61-1	2-hydroxyethyl acrylate		х	
13048-33-4	hexamethylene diacrylate		х	-
80-62-6	Methyl methacrylate	x x	Х	Х
96-33-3 140-88-5	Methyl acrylate Ethyl acrylate	X	X	X
97-88-1	n-butyl methacrylate	X	X X	Х
105-16-8	2-(diethylamino)ethyl methacrylate			
106-91-2	2,3-epoxypropyl methacrylate		Х	
688-84-6	2-ethylhexyl methacrylate		X	
2867-47-2 141-32-2	2-(dimethylamino)ethyl methacrylate Butyl acrylate	x	x	х
2439-35-2	2-(dimethylamino)ethyl acrylate	^	X	
	Acrylonitrile and methacrylonitrile			
107-13-1	Acrylonitrile	x x	Х	Х
126-98-7	Methacrylonitrile			Х
75 07 0	Aldehydes Acataldahyda	, , , , , , , , , , , , , , , , , , ,		
75-07-0 78-84-2	Acetaldehyde Isobutyraldehyde	X X X	x	X
90-02-8	Salicylaldehyde		X	
100-52-7	Benzaldehyde		Х	
111-30-8	Glutaraldehyde	x	Х	
123-38-6 123-63-7	Propionaldehyde Paraldehyde	X X		X
123-72-8	Butyraldehyde	x		x
4170-30-3	Crotonaldehyde / 2-butenal	х	х	Х
	Anilines			
62-53-3	Aniline	x x	X	Х
LCL-77 95-53-4	toluidine o-toluidine		Х	х
636-21-5	o-toluidine hydrochloride			X
95-68-1	2,4-dimethylaniline		Х	
87-62-7	2,6-dimethylaniline / 2,6-Xylidine		Х	Х
121-69-7 101-77-9	N,N-Dimethylaniline (and its salts) 4,4'-methylenedianiline	X	X	X
120-71-8	p-cresidine (2-methoxy-5-methylaniline)	X	X X	X
134-29-2	O-Anisidine hydrochloride			Х
123-30-8	p-aminophenol		Х	
591-27-5	m-aminophenol		Х	
25376-45-8 95-80-7	Diaminotoluene (mixed isomers) / toluenediamine (Jpn)  2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)	x	Х	X
139-65-1	4,4'-Thiodianiline			Х
90-04-0	o-anisidine		Х	Х
104-94-9	p-anisidine			Х
615-05-4 39156-41-7	2,4-diaminoanisole 2.4-diaminoanisole sulfate		Х	X
33130 41 7	Biphenyl			
92-52-4	Biphenyl (1,1-biphenyl)	x x	х	х
	C3-Benzenes			
95-63-6	1,2,4-Trimethylbenzene	Х	Х	Х
108-67-8 25551-13-7	1,3,5-trimethylbenzene		Х	
98-82-8	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)  Cumene (1-methylethylbenzene)	X X	х	х
30 02 0	Hydrocarbons (liquids)	^ ^		
110-54-3	n-Hexane	x x	Х	х
110-82-7	Cyclohexane	x x		Х
LCL-78	Pentane (all isomers)	X		
LCL-79 LCL-80	Pentene (all isomers) Hexane (all isomers excluding n-hexane)	X X		
25264-93-1	Hexane (all isomers)	x x		
LCL-81	Heptane (all isomers)	х		
LCL-82	Octane (all isomers)	х		
LCL-83 LCL-84	Nonane (all isomers)  Decane (all isomers)	X		
LCL-84 LCL-85	Dodecane (all isomers)	X X		
8052-41-3	Stoddard solvent	x		
64475-85-0	Mineral spirits	х		
64741-65-7	Heavy alkylate naphtha	x		
64742-47-8 64742-48-9	Hydrotreated light distillate Hydrotreated heavy naphtha	X X		
64742-88-7	Solvent naphtha medium aliphatic	x		
64742-89-8	Solvent naphtha light aliphatic	х		
64742-94-5	Heavy aromatic solvent naphtha	х		
64742-95-6	Light aromatic solvent naphtha	X		
8030-30-6 8032-32-4	Naphtha VM & P naphtha	X X		
8042-47-5	White mineral oil	x		_
LCL-86	Cycloheptane (all isomers)	х		
LCL-87	Cyclohexene (all isomers)	х		
LCL-88	Cyclooctane (all isomers)	х		
	BTEX  Renzene (E-DDTR: Single pollutants are to be reported if the threshold for			
	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is	x x x x	х	х
71-43-2		. ^ ^ ^	^	^

Pollutant		Covered b	y PKIK!				
CAS Number	Pollutant Name	Australia NPI		EU E-PRTR	Kiev Protocol	•	US
100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	х	х	х	x	х	х
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	х	x	x	х	х	x
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene,	х	х	x	х	х	х
	toluene, ethyl benzene, xylenes) is exceeded)	^					^
95-47-6 106-42-3	o-xylene p vylene						X
108-38-3	p-xylene m-xylene						X
	1,3-Butadiene						
106-99-0	1,3-Butadiene	х	х			Х	Х
75-15-0	Carbon disulfide Carbon disulfide / Carbon disulphide	х	Х			х	х
75 15 0	Diisocyanates	^	Α				^
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)	х	х			х	х
5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)		х			x	х
4098-71-9	Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-		х			х	х
9016-87-9	isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn)  Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)		х				х
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as						
	Diisocyanates)  2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as		х				х
15646-96-5 822-06-0	Diisocyanates)  Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)		х			**	X
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)					Х	x
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)						x
2556-36-7 134190-37-7	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)  Diethyldiisocyanatobenzene (USA: specified as Diisocyanates)						X
4128-73-8	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)						X
75790-87-3	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)						Х
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as Diisocyanates)						х
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as Diisocyanates)					х	х
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as Diisocyanates)						х
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as Diisocyanates)						х
3173-72-6	1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-naphthalenediyl diisocyanate (Jpn)					х	х
123-61-5	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates)						х
104-49-4	1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)						Х
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)						х
	Toluenediisocyanates						
584-84-9	Toluene-2,4-diisocyanate	х	х				Х
91-08-7	Toluene-2,6-diisocyanate  Toluenediisocyanate (mixed isomers) / tolylene diisocyanate		X				X
26471-62-5	2-Ethoxyethanol		Х			Х	Х
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	х	х			Х	Х
	Methoxyethanol						
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	х	Х			Х	Х
50-00-0	Formaldehyde Formaldehyde	х	х			x	х
	Glycol ethers						
LCL-90	certain glycol ethers				_	•	Х
112-34-5 112-25-4	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)  Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)		X X				*
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)		X				*
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain	х	х			х	*
111-76-2	glycol ethers)  2-Butoxyethanol (USA: incl. in certain glycol ethers)		х				*
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain	х	x			х	*
108-65-6	glycol ethers)  Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)		х				*
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)		x				*
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)		x				*
	4,4'-methylenebis[2-chloroaniline]						
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)	х	х			х	х
	Organotin compounds (as total Sn)						
CL-91	Organotin compounds (as total Sn) / organic tin compounds (Jpn)	х		х	х	х	
LCL-92	Tributyltin and compounds			Х	х		
56-35-9 1983-10-4	Bis(tributyltin) oxide Tributyltin fluoride						X
2155-70-6	Tributyltin methacrylate						x
_CL-93	Triphenyltin and compounds Triphenyltin chloride			Х	Х		
39-58-7		i					Х

Pollutant		Covered by	PRTR?				
CAS Number	Pollutant Name	Australia NPI		EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
76-87-9	Triphenyltin hydroxide						х
	Phenols Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted						
LCL-94	phenois)			Х	x		
108-95-2	Phenol Cresol / USA: Cresol (mixed isomers)	х	X			X	X
1319-77-3 95-48-7	o-cresol		х			х	X
106-44-5	p-cresol						Х
108-39-4	m-cresol						Х
1300-71-6 576-26-1	Dimethyl phenol 2,6-xylenol (2,6-Dimethylphenol)		Х			х	
105-67-9	2,4-Dimethylphenol / 2,4-xylenol					X	х
128-37-0	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol		Х			Х	
96-76-4	2,4-di-tert-butylphenol					X	
89-72-5 98-54-4	o-sec-butylphenol 4-tert-butylphenol					X X	
88-60-8	2-tert-butyl-5-methylphenol					x	
90-43-7	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA)		Х			Х	Х
108-98-5	Thiophenol Phthalates					Х	
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	х	х	х	х	х	x
84-74-2	Dibutyl phthalate	х	Х			Х	Х
85-68-7 117-84-0	Butyl benzyl phthalate		X			х	
117-84-0 84-66-2	Di-n-octyl phthalate Diethyl phthalate		x			x	
120-61-6	Dimethyl terephthalate					X	
131-11-3	Dimethyl phthalate		Х				Х
131-17-9	diallyl phthalate					х	
100-42-5	Styrenes Styrene	x	х			х	х
96-09-3	Styrene oxide, phenyloxirane		X			X	X
98-83-9	α-methylstyrene					Х	
29082-74-4	Octachlorostyrene						Х
F1 20 F	Aromatic nitro compounds						
51-28-5 88-75-5	2,4-dinitrophenol 2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol)					x	X
100-02-7	p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol (USA)		х				х
534-52-1	4,6-dinitro-o-cresol		Х				х
88-72-2	o-nitrotoluene					Х	
121-14-2 606-20-2	2,4-Dinitrotoluene 2,6-Dinitrotoluene		X X				x
25321-14-6	Dinitrotoluene (mixed isomers)		Х			Х	Х
88-74-4	o-nitroaniline					Х	
100-01-6 99-54-7	p-Nitroaniline 1,2-dichloro-4-nitrobenzene		Х			х	Х
89-61-2	1,4-dichloro-2-nitrobenzene					x	
97-00-7	1-chloro-2,4-dinitrobenzene					Х	
121-87-9	2-chloro-4-nitroaniline 2-chloronitrobenzene					X	
98-95-3	2-chioronitrobenzene Nitrobenzene		х			X X	Х
99-65-0	m-Dinitrobenzene						х
100-25-4	p-Dinitrobenzene						Х
528-29-0 99-55-8	o-Dinitrobenzene 5-nitro-o-toluidine						X
100-00-5	p-nitro-lorobenzene					х	Х
88-85-7	Dinitrobutyl phenol (Dinoseb)						х
88-89-1	Picric acid (2,4,6-trinitrophenol)						Х
99-59-2 91-23-6	5-nitro-o-anisidine o-Nitroanisole (added to TRI for RY2011)					x	X X
31-23-0	Bisphenol A					^	^
80-05-7	4,4'-isopropylidenediphenol / bisphenol A		Х			Х	х
	1,2-Butylene oxide						
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane		Х			Х	Х
156-62 7	Calcium cyanamide						v
156-62-7	Catechol Catechol		Х			Х	Х
120-80-9	Catechol / pyrocatechol		х			х	Х
80-15-9	Cumene hydroperoxide Cumene hydroperoxide / 1 methyl 1 phenylethyl hydroperoxide						v
00-13-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide  Cyclic ethers		Х			Х	Х
123-91-1	1,4-Dioxane		х			х	х
109-99-9	Tetrahydrofuran		Х				
======	Dicyclopentadiene						
77-73-6	Dicyclopentadiene Diphenylamine		Х			Х	Х
122-39-4	Diphenylamine Diphenylamine		х			х	х
	Epichlorohydrin		^			^	^
106-89-8	Epichlorohydrin		х			х	Х
	Epoxy compounds		-	-		-	
75-56-9	Propylene oxide (1,2-epoxypropane)		х			X	Х
106-92-3 122-60-1	1-allyloxy-2,3-epoxypropane 2,3-epoxypropyl phenyl ether					x	
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)					х	Х
1464-53-5 2451-62-9	Diepoxybutane 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione					x	Х
2431-02-9	Ethylene glycol					X	

Pollutant		Covered by PRTR?
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan US NPI NPRI E-PRTR Protocol PRTR TRI
107-21-1	Ethylene glycol Ethylene thiourea	x x x
96-45-7	Ethylene thiourea (2-imidazolidinethione)	x x x
	Hydrazines	
302-01-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn) Hydrazine sulfate	x x x
10034-93-2 57-14-7	1,1-Dimethyl hydrazine	x x
60-34-4	Methyl hydrazine	X
100-63-0 122-66-7	phenylhydrazine 1,2-Diphenylhydrazine	X X
122-00-7	Ketone solvents	^
67-64-1	Acetone	х
108-10-1 78-93-3	Methyl isobutyl ketone Methyl ethyl ketone	x x x x
106-35-4	Ethyl butyl ketone	X
	Maleic anhydride	
108-31-6	Maleic anhydride N,N-Dimethylformamide	x x x
68-12-2	N,N-Dimethylformamide	x x x
	Nitroglycerin	
55-63-0	Nitroglycerin	x x x
	Nitrilotriacetic acid	
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)  Nonylphenol	x x x
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and	x x x x
	its ethoxylates	
25154-52-3	Nonylphenol Octylphenol	X
1806-26-4	Octylphenols and Octylphenols ethoxylates / Octylphenol and its	v v
	ethoxylates	x x
LCL-96 9036-19-5	p-octylphenol poly(oxyethylene) octylphenyl ether	x x
	Phenylenediamines	
LCL-97	phenylenediamine (1.2.2)	х
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)	X
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)	x x
108-45-2	m-phenylenediamine (1,3-Phenylenediamine)	x
615-28-1 624-18-0	1,2-phenylenediamine dihydrochloride 1,4-phenylenediamine dihydrochloride	x x
	Phthalic anhydride	
85-44-9	Phthalic anhydride	x x x
110-86-1	Pyridines Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)	x x x
100-69-6	2-vinylpyridine	x x x x x
108-99-6	3-methylpyridine	х
109-06-8	2-Methylpyridine	x x
91-22-5	Quinoline Quinoline (and its salts) (Cdn) / Quinoline (USA)	x x x
	Quinones	
106-51-4	Quinone, p-Quinone	X X
123-31-9 82-28-0	Hydroquinone  1-AMINO-2-METHYLANTHRAQUINONE	x x x
82-45-1	1-amino-9,10-anthraquinone	х
118-75-2 117-79-3	2,3,5,6-tetrachloro-p-benzoquinone 2-AMINOANTHRAQUINONE	X
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)	x x
LCL-98	Anthraquinone (all isomers)	х
67-56-1	Saturated alcohols Methanol	
67-56-1 64-17-5	Ethanol	x x x x
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid	x x
71-36-3	process are subject, no supplier notification) n-Butyl alcohol	x x
78-83-1	i-Butyl alcohol	x x
78-92-2	sec-Butyl alcohol	x x
75-65-0 3452-97-9	tert-Butyl alcohol 3,5,5-trimethyl-1-hexanol	x x
143-08-8	1-nonanol / n-nonyl alcohol	x x
112-30-1	decyl alcohol / decanol	х
112-53-8 111-87-5	1-dodecanol / n-dodecyl alcohol 1-Octanol	x x
111 0/-3	Thiourea	^
62-56-6	Thiourea	x x x
107.10.0	Unsaturated aliphatic alcohols	
107-18-6 107-19-7	Allyl alcohol Propargyl alcohol	x x x x x x x x x x x x x x x x x x x
	Vinyl acetate	
108-05-4	Vinyl acetate	x x x
	Volatile organic compounds (VOCs)	
	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection	
LCL-99	Act, 1999see: http://www.ec.gc.ca/lcpe-	x
	cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-	
LCL-100	F4BF-11069545E434). Non-methane volatile organic compounds (NMVOC)	x x
		x X

Pollutant		Covered by PRTR?
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan US NPI NPRI E-PRTR Protocol PRTR TRI
545.05.0	1,3-dioxolane	
646-06-0	1,3-dioxolane divinylbenzene	X
1321-74-0	divinylbenzene	x
101-84-8	diphenyl ether diphenyl ether	
101-84-6	Ethylenebisdithiocarbamic acid, salts and esters	X
LCL-102	ethylenebisdithiocarbamic acid, salts and esters	x
102-06-7	1,3-diphenylguanidine 1,3-diphenylguanidine	
102-00-7	N,N-dimethylacetamide	X
127-19-5	N,N-dimethylacetamide	x
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine	x
755 24 0	hydrogenated terphenyl	^
61788-32-7	hydrogenated terphenyl	х
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester sodium salt of 2-sulfohexadecanoic acid 1-methyl ester	x
	carbonic acids / dicarbonic acids	^
334-48-5 124-04-9	decanoic acid  Adipic acid	X
149-57-5	2-ethylhexanoic acid	X X
	sodium dodecyl sulfate	
151-21-3	sodium dodecyl sulfate  1,2-bis(2-chlorophenyl)hydrazine	X
782-74-1	1,2-bis(2-chlorophenyl)hydrazine	x
	Furans	
110-00-9 98-00-0	Furan (USA: added to TRI for RY2011) Furfuryl alcohol	x x
	Nitrosodiphenylamine	
86-30-6	N-Nitrosodiphenylamine	X X
156-10-5	P-Nitrosodiphenylamine Phosgene	X
75-44-5	Phosgene	x x
C90FC FC 0	Terpens	
68956-56-9 123-35-3	Terpene (all isomers)  Myrcene	x x
5989-27-5	Limonene,D-	X
80-56-8 127-91-3	Alpha-Pinene Beta-Pinene	x x
555-10-2	Beta-Phellandrene	х
135-19-3	betanaphthol betanaphthol	x
	benzophenone	
119-61-9	benzophenone	X
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate sodium poly(oxyethylene) dodecyl ether sulfate	x
	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)	
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14) poly(oxyethylene) alkyl ether (alkyl c=12-15)	X
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)	x
	Michler's ketone (and its salts)	
90-94-8	Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)  Adipate	X X
103-23-1	Bis(2-ehtylhexyl) adipate	x
	Ethyl acetate	
141-78-6	Ethyl acetate  Benzidine	X X
92-87-5	Benzidine	X
91-94-1	3,3'-dichlorobenzidine	X X
119-90-4 612-83-9	3,3'-dimethoxybenzidine 3,3'-Dichlorobenzidine dihydrochloride	X X
119-93-7	3,3'-dimethylbenzidine / o-tolidine	x x
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)	x
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride	x
111984-09-9 41766-75-0	3,3'-dimethoxybenzidine hydrochloride 3,3'-dimethoxybenzidine dihydrofluoride	x x
64969-34-2	3,3'-dichlorobenzidine sulfate	x
94-59-7	Safroles Safrole	x x
94-59-7 94-58-6	Dihydrosafrole	x x
120-58-1	Isosafrole	X X
78-79-5	Isoprene Isoprene (USA: added to TRI for RY2011)	x x x
	Methyleugenol	^ ^ ^
93-15-2	Methyleugenol (added to TRI for RY2011)	X
	Ethylenediaminetetraacetic acid (EDTA)	x
60-00-4	Ethylenediaminetetraacetic acid	
60-00-4	Ethylenediaminetetraacetic acid  Amines	^
74-89-5	Amines methylamine	х
74-89-5 107-15-3	Amines methylamine ethylenediamine	x x
74-89-5	Amines methylamine	х

Pollutant		Covered by PRTR?
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan US NPI NPRI E-PRTR Protocol PRTR TR
101-83-7	N,N-dicyclohexylamine	х
112-18-5 108-91-8	N,N-dimethyldodecylamine cyclohexylamine	x x
100-31-0	Nitromethanes	^
75-52-5	Nitromethane (added to TRI for RY2011)	x x
509-14-8	Tetranitromethane (added to TRI for RY2011)	x
	Methyl iodide	
74-88-4	Methyl iodide Phenolphthalein	X X
77-09-8	Phenolphthalein (added to TRI for RY2011)	x
,, 03 0	Diethyl sulfate	
64-67-5	Diethyl sulfate	x x
	Dimethyl sulfate	
77-78-1	Dimethyl sulfate	x x
634.03.0	dimethyl disulfide	
624-92-0	dimethyl disulfide  Cyclohexanol	X
108-93-0	Cyclohexanol	x x
	Benzoyl peroxide	
94-36-0	Benzoyl peroxide	x x
	bis(1-methyl-1-phenylethyl) peroxide	
80-43-3	bis(1-methyl-1-phenylethyl) peroxide	X
75-91-2	tert-butyl hydroperoxide tert-butyl hydroperoxide	x
, ,-,1-4	2-Mercaptobenzothiazole	×
149-30-4	2-Mercaptobenizothiazole	x x x
	2-(morpholinodithio)benzothiazole	
95-32-9	2-(morpholinodithio)benzothiazole	х
75.55.0	Imines	
75-55-8 151-56-4	Propyleneimine ethyleneimine	x x
131 30 4	CARBONYL SULFIDE	
463-58-1	CARBONYL SULFIDE	x x
	Terephthalic acid	
100-21-0	Terephthalic acid	X
F44 44 2	Ethyl chloroformate	
541-41-3	Ethyl chloroformate  N-Methyl-2-pyrrolidone	X X
872-50-4	N-Methyl-2-pyrrolidone	X X
	N-vinyl-2-pyrrolidone	
88-12-0	N-vinyl-2-pyrrolidone	x
	Short chain fatty acids	
64-18-6 64-19-7	Formic acid Acetic acid (ethanoic acid)	X X
04-19-7	Acetophenones	X
98-86-2	Acetophenone	x x
532-27-4	2-chloroacetophenone	x
	Peracetic acid	
79-21-0	Peracetic acid (Peracetic acid (and its salts))	x x
357-57-3	Alkaloids Brucine	
LCL-105	strychnine and salts	x x
	2-Nitropropane	
79-46-9	2-Nitropropane	x x
	Methyl tert-butyl ether	
1634-04-4	Methyl tert-butyl ether	x x
111 42 2	Diethanolamine  Diethanolamine (and its salts) (Cda) / Diethanolamine (USA)	
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)  Dimethyldithiocarbamates	X X
128-04-1	Sodium Dimethyldithiocarbamate	x
128-03-0	Potassium Dimethyldithiocarbamate	X
137-41-7	Potassium N-methyldithiocarbamate	x
LCL-106	water-soluble salts of dimethyldithiocarbamic acid	X
ICI-107	Total organic carbon (TOC) (as total C or COD/3)	, , , , , , , , , , , , , , , , , , ,
LCL-107 Active substar	Total organic carbon (TOC) (as total C or COD/3)  nces of plant protection products or biocidal products	X X
Active substai	Alachlor	
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	x x x x
	Diuron	
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU	x x x x
	Triazine compounds	
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	x x x x
122-34-9 108-77-0	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) 2,4,6-trichloro-1,3,5-triazine	x x x x x x x x x x x x x x x x x x x
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine	X
	Trifluralin	,
1582-09-8	Trifluralin ( $\alpha$ , $\alpha$ , $\alpha$ -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine )	x x x x
	chloridazon	
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one	х
24007.51.5	metribuzin	
21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one	x x
	metamitron	
41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one	X

Pollutant		Covered by PRTR?
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22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate	x
149877-41-8	bifenazate isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate	x
66332-96-5	flutolanil 3'-isopropoxy-2-trifluoromethylbenzanilide	x
13516-27-3	iminoctadine  1,1'-[iminodi(octamethylene)]diguanidine	×
36335-67-8	butamifos  O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate	x
	EPN	
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate  alanycarb	X
83130-01-2	ethyl (2)-3-[N-benzyl-N-[[methyl(1- methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate fosthiazate	х
98886-44-3	O-ethyl 5-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate mancozeb	x
8018-01-7	$complex\ compounds\ of\ manganese\ N,N'-ethylenebis (dithiocarbamate) and\ zinc\ N,N'-ethylenebis (dithiocarbamate)$	x
85-00-7	diquat dibromide  1,1'-ethylene-2,2'-bipyridinium dibromide	×
	etofenprox	
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether mixture of emamectinB1a benzoate and emamectinB1b benzoate	х
155569-91-8	emamectin benzoate	х
129558-76-5	tolfenpyrad  4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide	x
79622-59-6	fluazinam  3-chloro-N-{3-chloro-5-trifluoromethyl-2-pyridyl}-α,α,α-trifluoro-2,6-dinitro-p-toluidine	х
51218-49-6	pretilachlor  2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide	×
	mecoprop	
7085-19-0	(RS)-2-(4-chloro-o-tolyloxy)propionic acid indanofan	X
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione	x
158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide hexythiazox	х
78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide	х
107534-96-3	tebuconazole (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-	x
107334-30-3	3-ol fenbuconazole	^
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile	х
99485-76-4	cumyluron 1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea	x
139920-32-4	diclocymet  (RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide	x
	tralomethrin (\$)-alpha-cyano-3-phenoxybenzyl (1R,3\$)-2,2-dimethyl-3-{1,2,2,2-	
66841-25-6	tetrabromoethyl)cyclopropanecarboxylate  cymoxanil	X
57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea cartap	X
15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane iprodione	X
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide tetraconazole	X
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether  oxaziclomefone	х
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl- 2H-1,3-oxazin-4-one pyrazoxyfen	x
71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone	х
58011-68-0	pyrazolynate  4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate	х
3347-22-6	dithianon 2,3-dicyano-1,4-dithiaanthraquinone	x
	isoprothiolane	
50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate  carbosulfan	X

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55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate	х
31895-21-3	thiocyclam 5-dimethylamino-1,2,3-trithiane	х
82560-54-1	benfuracarb  2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-{2-ethoxycarbonylethyl}- N-isopropylsulfenamoyl]-N-methylcarbamate	x
3861-47-0	ioxynil octanoate 3,5-diiodo-4-octanoyloxybenzonitrile	x
	phthalide	
27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one tefluthrin	X
79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1- propenyl)-2,2-dimethylcyclopropanecarboxylate	х
95465-99-9	cadusafos S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate	x
	<b>buprofezin</b> 2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-	
69327-76-0	one tebufenozide	x
112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide diafenthiuron	X
80060-09-9	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea	x
134098-61-6	fenpyroximate tert-butyl 4-{{[(1,3-dimethyl-5-phenoxy-4-	x
13-1030-01-0	pyrazolyl)methylidene]aminooxy}methyl)benzoate pyridaben	^
96489-71-3	2-tert-butyl-5-{4-tert-butylbenzylthio}-4-chloro-3(2H)-pyridazinone butachlor	х
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide  ferimzone	x
89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone indoxacarb	х
	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-	
173584-44-6	trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a- carboxylate	х
131860-33-8	azoxystrobin methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-	x
131000 33 0	methoxyacrylate carbam	
144-54-7	N-methyldithiocarbamic acid  oxamyl	×
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate	х
	pyriminobac-methyl methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-	
136191-64-5	(methoxyimino)ethyl]benzoate mepronil	X
55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide	x
16752-77-5	methomyl S-methyl-N-(methylcarbamoyloxy)thioacetimidate	x
	trifloxystrobin	
141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3- (trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate	х
143390-89-0	kresoxim-methyl methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate	x
13684-63-4	phenmedipham  3-methoxycarbonylaminophenyl 3'-methylcarbanilate	×
	pyributicarb	
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate  Chlorfenvinphos	x
470-90-8	Chlorfenvinphos	x x
5598-13-0	Chlorpyrifos Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-	x
2921-88-2	pyridyl)phosphorothioate] Chlorpyrifos	x x x
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-	x x x
	methano-2,4,3-benzodioxathiepine 3-oxide <b>Hexachlorocyclohexane</b>	
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)	X X
465-73-6	Isodrin	x x
34123-59-6	Isoproturon Isoproturon	x x
94-75-7	2,4-D 2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA	x x
2702-72-9	2,4-D sodium salt	X
94-80-4	<b>2,4-D esters 2,4-D butyl ester</b>	x
01928-43-4 94-11-1	2,4-D 2-ethylhexyl ester 2,4-D isopropyl ester	x x
01929-73-3 1320-18-9	2,4-D butoxyethyl ester 2,4-D propylene glycol butyl ether ester	X X
1750-19-3	2,4-D propylene glycol butyl etner ester	<u> </u>

Pollutant		Covered by PRTR?
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan US NPI NPRI E-PRTR Protocol PRTR TRI
53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester	X
120-36-5	<b>2,4-DP</b> 2,4-DP	x
	2,4-DB	
94-82-6	2,4-DB Dicofol	x
	Dicofol [Benzenemethanol, 4-chloroalpha4-(chlorophenyl)alpha	
115-32-2	(trichloromethyl)-]	х
107-22-2	Glyoxal Glyoxal	x
10, 22 2	Methoxone	^
94-74-6	Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA	x x
3653-48-3	Methoxone sodium salt  Pronamide	X
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)	x x
10107.10.1	Pendimethalin	
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)  Amitrole	X X
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole )	x
200 76 5	Naled	
300-76-5	Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate )  Quintozene	X
82-68-8	Quintozene (pentachloronitrobenzene)	x
220 55 2	Linuron	
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea )  Diazinon	X X
333-41-5	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl	x x
555 12 5	phosphorothioate)  Dazomet	
533-74-4	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine )	x x
53404-60-7	Dazomet, sodium salt	x
52-68-6	Trichlorfon Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate )	x x
	Benomyl	
17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-	x x
	benzimidazolyl]carbamate) Thiobencarb	
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)	x x
22000 61 1	Amitraz	x x
33089-61-1	Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene )  Propanil	^ ^
709-98-8	Propanil (3',4'-dichloropropionanilide)	X
	Sulprofos Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl	
35400-43-2	phosphorodithioate)	х
	Profenofos	
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)	x x
	Permethrin	
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2- dimethylcyclopropanecarboxylate)	x x
	Quizalofop-ethyl	
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-	x x
	quinoxalinyloxy)phenoxy]propionate)  Dichlorvos / DDVP	
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate )	x x
76.06.2	Chloropicrin Chloropicrin (trichloronitromethane)	
76-06-2	Carbaryl / NAC	X X
63-25-2	Carbaryl (1-naphthyl N-methylcarbamate)	x x
1897-45-6	Chlorothalonil Chlorothalonil (tetrachloroisophthalonitrile)	x x
1037-43-0	Paraquat dichloride / paraquat	^ ^
1910-42-5	Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)	x x
	fenitrothion / MEP	
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)	х
	Fenthion	
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)	x x
	Molinate	
2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)	x x
2312-35-8	Propargite / BPPS Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )	x x
	Chinomethionat	
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)	x
	Famphur Famphur	x
52-85-7	ramphui	
	Tebuthiuron	
52-85-7 34014-18-1	<b>Tebuthiuron</b> Tebuthiuron	X
	Tebuthiuron	
34014-18-1	Tebuthiuron Tebuthiuron Sethoxydim	x

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CAS Number	Pollutant Name	Australia Canada EU Kiev Japan U NPI NPRI E-PRTR Protocol PRTR T	
93-65-2	Mecoprop Mecoprop		х
	Aldicarb		
116-06-3	Aldicarb	1	Х
122.06.2	Captan Captan		
133-06-2	Folpet	<u> </u>	х
133-07-3	Folpet		х
	Chloramben		
133-90-4	Chloramben		Х
14404 64 4	Ferbam		
14484-64-1	Parathion Parathion	· · · · · · · · · · · · · · · · · · ·	Х
56-38-2	Parathion		х
298-00-0	Methylparathion		х
	Pirimiphos methyl		
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O- dimethyl phosphorothioate	x :	х
	Diflubenzuron		
35367-38-5	Diflubenzuron  Motham sodium	<u> </u>	Х
137-42-8	Metham sodium Metham sodium	,	х
	Fenpropathrin		_
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-	×	х
JJJ1J-41-0	tetramethylcyclopropanecarboxylate	* '	^
67495 20 4	Hydramethylnon Hydramethylnon		
67485-29-4	Abamectin	· · · · · · · · · · · · · · · · · · ·	Х
71751-41-2	Abamectin	:	х
	Lactofen		
77501-63-4	Lactofen		Х
112 50 6	Nabam		
142-59-6	Nabam Thiabendazole	:	Х
148-79-8	Thiabendazole		х
	Merphos		
150-50-5	Merphos		Х
	Monuron		
150-68-5	Monuron	<u> </u>	Х
72-43-5	Methoxychlor Methoxychlor		х
72 43 3	Tetramethrin		
7696-12-0	Tetramethrin / cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans- 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate	x :	х
			_
10452.00.0	Resmethrin		
10453-86-8	Resmethrin Ethoprop	<u> </u>	Х
13194-48-4	Ethoprop		х
	Oxydemeton methyl		_
301-12-2	Oxydemeton methyl		Х
	Desmedipham		
13684-56-5	Desmedipham Or realing		Х
19044-88-3	Oryzalin Oryzalin		х
	Bromacil		
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-	×	х
	2,4-dione		
53404-19-6	Bromacil, lithium salt  Bendiocarb	·	х
22781-23-3	Bendiocarb	,	х
	Phenothrin		_
26002-80-2	Phenothrin		х
	Triforine		
26644-46-2	Triforine Proportamphos	<u> </u>	Х
31218-83-4	Propetamphos Propetamphos		х
	Imazalil		
35554-44-0	Imazalil		х
	Triadimefon		
43121-43-3	Triadomer		х
55335-06-3	Triclopyr (3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)	x	_
57213-69-1	Triclopyr triethylammonium salt		х
	Propiconazole		_
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxylan-2-ylmethyll-1H-1,2-4-triazole	х :	х
	dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole		
C0050 07 5	Cyfluthrin		
68359-37-5	Cyfluthrin Fluazifop butyl	·	Х
69806-50-4	Fluazifop butyl	,	х
'	Fenoxycarb		÷
	Fenoxycarb	1	х

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	Chlorobenzilate	
510-15-6	Chlorobenzilate	х
82657-04-3	Bifenthrin	x
02037 013	Terbacil	
5902-51-2	Terbacil	x
7706 24 7	Mevinphos Mevinphos	
7786-34-7	Metiram	X
9006-42-2	Metiram	х
	Ametryn	
834-12-8	Ametryn  Diphenamid	X
957-51-7	Diphenamid	x
	Pebulate	
1114-71-2	Pebulate	x
1134-23-2	Cycloate Cycloate	x
	Methazole	
20354-26-1	Methazole	х
21725-46-2	Cyanazine Cyanazine	x x
-1,2J-4U-Z	Isofenphos	, x
25311-71-1	Isofenphos	x
27214 12 2	Norflurazon	
27314-13-2	Norflurazon  Bromoxynil	X
1689-84-5	Bromoxynil	X
1689-99-2	Bromoxynil octanoate	х
1836-75-5	Nitrofen Nitrofen	x
1830-73-3	Diethatyl ethyl	^
38727-55-8	Diethatyl ethyl	х
1051 10 1	Benfluralin	
1861-40-1	Benfluralin Dinocap	X
39300-45-3	Dinocap	X
	Oxyfluorfen	
42874-03-3	Oxyfluorfen Dicamba	X
1918-00-9	Dicamba	x
1982-69-0	Sodium dicamba	Х
2300-66-5	Dimethylamine dicamba  Vinclozolin	X
50471-44-8	$\label{lem:vinclozolin} \mbox{ Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione} $	x x
1918-02-1	Picloram Picloram	x
1310 02 1	Propachlor	^
1918-16-7	Propachlor	x
51235-04-2	Hexazinone Hexazinone	
31233-04-2	Diclofop methyl	X
51338-27-3	Diclofop methyl	х
1020.02.4	Nitrapyrin	
1929-82-4	Nitrapyrin Dimethipin	X
55290-64-7	Dimethipin	х
	Methiocarb	
2032-65-7	Methiocarb Fenarimol	X
60168-88-9	Fenarimol	x
	Acifluorfen, sodium salt	
62476-59-9	Acifluorfen, sodium salt	x
64902-72-3	Chlorsulfuron Chlorsulfuron	x
04302 72 3	Dipotassium endothall	^
2164-07-0	Dipotassium endothall	х
66441-23-4	Fenoxaprop ethyl Fenoxaprop ethyl	
00441-23-4	Fluometuron	x
2164-17-2	Fluometuron	x
COORE OF O	Cyhalothrin	
68085-85-8	Cyhalothrin Fluvalinate	x
69409-94-5	Fluvalinate	x
	Fomesafen	
72178-02-0	Fomesafen Allate	x
2303-16-4	Diallate	X
2303-17-5	Triallate	х
101-05-3	Anilazine Anilazine	x
101-03-3	Myclobutanil	×

Pollutant		Covered by PRTR?
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan US NPI NPRI E-PRTR Protocol PRTR TRI
88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile  Dodine	x x
2439-10-3	Dodine	x
	Chlorimuron ethyl	
90982-32-4	Chlorimuron ethyl	х
101200-48-0	Tribenuron methyl Tribenuron methyl	x
	Temephos	
3383-96-8	Temephos Fenvalerate	X
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3- methylbutyrate)	x
114 26 1	Proposur (2 isopropopulational N methylesylamate)	
114-26-1	Propoxur (2-isopropoxyphenyl N-methylcarbamate)  Malathion / malathon	X
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)	x x
60-51-5	Dimethoate Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)	x x
	Hexachlorophene	
70-30-4	Hexachlorophene	X X
556-61-6	Methyl isothiocyanate Methyl isothiocyanate	x x
	Thiophanate	
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)	X X
23564-06-9	Thiophanate ethyl  Cyhalofop / cyhalofop-butyl	Х
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate	х
200.04.4	Disulfuton / ethylthiometon	_
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate  Fenothiocarb	X
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate	х
	Halosulfuron-Methyl methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-	
100784-20-1	methylpyrazole-4-carboxylate  Fumazone	х
96-12-8	1,2-dibromo3-chloropropane	x
	Difenoconazole 1-{{2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-	
119446-68-3	1-{{2-{2-c-unoro-4-q-c-unoropinenoxy)pinenyi}-4-metriyi-1,5-cutoxolari-2- yl}methyl)-1H-1,2,4-triazole Prothiofos	х
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate	х
97-23-4	Dichlorophene Dichlorophene	x
37-23-4	Bromol	^
118-79-6	2,4,6-tribromophenol	х
7287-19-6	Prometryn Prometryn	x
7207 13 0	Dichloran	<u> </u>
99-30-9	Dichloran	х
12427-38-2	Maneb  Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] / manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)	x x
	Methidathion / DMTP	
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate  Tetrachlorvinphos	х
961-11-5	Tetrachlorvinphos	x
18854-01-8	Isoxathion	<u> </u>
10034-01-0	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate  Kitazin P / iprobenfos / IBP	X
26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate	x
1194-65-6	dichlobenil / DBN  2,6-dichlorobenzonitrile	x
1154-05-0	Edifenphos / EDDP	^
17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate  Pyraclofos	х
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate  Oxidiazon	x
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4- oxadiazo1-2(3H)-one	x x
30560-19-1	Acephate Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate	X X
	Metacide 38	
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile  Metolachlor	X
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide	X
	3-iodo-2-propynyl butylcarbamate	
55406-53-6	3-iodo-2-propynyl butylcarbamate  Mefenacet	X
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide	x

Pollutant		Covered by	PRTR?			
CAS Number	Pollutant Name	Australia NPI		Kiev Protocol	Japan PRTR	
74115-24-5	Clofentezine 3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine Phosalone				х	
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate  Carbofuran				х	
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate				x	х
2597-03-7	Phenthoate / PAP ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate				х	
119168-77-3	Tebufenpyrad N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide				x	
	Cafenstrole N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-					
125306-83-4	rs,readenyrs-(2,4,0-unitedryphenysallonyr)-1r-1,2,4-unazole-1- carboxamide Fipronil				х	
120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4- [(trifluoromethyl)sulfinyl]pyrazole				х	
2631-40-5	Isoprocarb / MIPC 2-isopropylphenyl N-methylcarbamate				х	
2655-15-4	Landrin 2,3,5-trimethylphenyl methylcarbamate					х
2971-38-2	<b>2,4-D chlorocrotyl ester 2,4-D chlorocrotyl ester</b>					х
3766-81-2	Fenobucarb / BPMC 2-sec-butylphenyl N-methylcarbamate				x	
	D-trans-allethrin					
28057-48-9	D-trans-allethrin Dowicil 200					х
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride N-nitrosomethylvinylamine					х
4549-40-0	N-nitrosomethylvinylamine Carboxin					Х
5234-68-4	Carboxin					х
137-26-8	Thiram (tetramethylthiuram disulfide)				х	х
62-74-8	Sodium fluoroacetate Sodium fluoroacetate					х
57-57-8	Beta-propiolactone Beta-propiolactone					х
	Dipropyl isocinchomeronate					
136-45-8 Colors and dye	Dipropyl isocinchomeronate es					Х
	C.I. Fluorescent 260 disodium2,2'-vinylenebis[5-{4-morpholino-6-anilino-1,3,5-triazin-2-					
16090-02-1	ylamino)benzenesulfonate] 5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-				х	
	dinitrophenylazo)-4'-methoxyacetanilide 5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-					
3618-72-2	methoxyacetanilide				х	
3761-53-3	C.I. Food Red C.I. Food Red 5					х
81-88-9	C.I. Food Red 15		Х			Х
60-09-3	C.I. Solvent Yellow C.I. Solvent Yellow 3 / 4-aminoazobenzene					х
97-56-3	C.I. Solvent Yellow 3					Х
492-80-8 842-07-9	C.I. Solvent Yellow 34 C.I. Solvent Yellow 14		х			X
	C.I. Basic Green					
569-64-2	C.I. Basic Green 4		Х			Х
128-66-5	C.I. Vat Yellow C.I. Vat Yellow 4					х
989-38-8	C.I. Basic Red C.I. Basic Red 1		х			x
1937-37-7	C.I. Direct Black C.I. Direct Black S.I. Direct Black 38					x
2602.46.2	C.I. Direct Blue					
2602-46-2 28407-37-6	C.I. Direct Blue 6 C.I. Direct Blue 218		х			x
	C.I. Disperse Yellow C.I. Disperse Yellow 3					
2832-40 o		<b>!</b>	Х			Х
2832-40-8	C.I. Solvent Orange					
2832-40-8 3118-97-6			Х			Х
	C.I. Solvent Orange C.I. Solvent Orange 7 C.I. Acid Green C.I. Acid Green 3		x			x
3118-97-6	C.I. Solvent Orange C.I. Solvent Orange 7 C.I. Acid Green C.I. Acid Green 3 C.I. Acid Red C.I. Acid Red					
3118-97-6 4680-78-8 6459-94-5	C.I. Solvent Orange C.I. Solvent Orange 7 C.I. Acid Green C.I. Acid Green 3 C.I. Acid Red C.I. Acid Red C.I. Acid Red 114 C.I. Direct Brown					x
3118-97-6 4680-78-8	C.I. Solvent Orange C.I. Solvent Orange 7 C.I. Acid Green C.I. Acid Green 3 C.I. Acid Red C.I. Acid Red					х
3118-97-6 4680-78-8 6459-94-5 16071-86-6 72-57-1	C.I. Solvent Orange C.I. Solvent Orange 7 C.I. Acid Green C.I. Acid Green 3 C.I. Acid Red C.I. Acid Red 114 C.I. Direct Brown C.I. Direct Brown Trypan blue Trypan blue					x
3118-97-6 4680-78-8 6459-94-5 16071-86-6 72-57-1	C.I. Solvent Orange C.I. Solvent Orange 7 C.I. Acid Green C.I. Acid Green 3 C.I. Acid Red C.I. Acid Red 114 C.I. Direct Brown C.I. Direct Brown 95 Trypan blue					X X

Pollutant		Covered by PRTR?
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan U: NPI NPRI E-PRTR Protocol PRTR TR
97-77-8	disulfiram tetraethylthiuram disulfide / disulfiram	x
	Nicotine	
LCL-108	Nicotine and salts	х
57-41-0	Phenytoin	
57-41-0	Phenytoin Pentobarbital sodium	X
57-33-0	Pentobarbital sodium	x
	Tetracycline hydrochloride	
64-75-5	Tetracycline hydrochloride	X X
50.75.0	Triaziquone	
58-76-8	Triaziquone Warfarin	×
LCL-109	Warfarin and salts	x
	organic substances	
75-08-1	ethanethiol	х
25103-58-6 420-04-2	tert-dodecanethiol	X
17796-82-6	cyanamide N-(cyclohexylthio)phthalimide	x x
4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide	x
505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol	х
112-57-2 112-24-3	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine triethylenetetramine	x x
99-76-3	methyl 4-hydroxybenzoate	x x
103-90-2	N-(4-hydroxyphenyl)acetamide	x
941-69-5	N-phenylmaleimide	X
2426-08-6 25013-16-5	n-butyl-2,3-epoxypropyl ether butylhydroxyanisole / BHA	X X
LCL-110	water-soluble salts of peroxodisulfuric acid	X
674-82-8	4-methylideneoxetan-2-one	х
3268-49-3	3-methylthiopropanal	X
110-91-8 78-42-2	morpholine tris(2-ethylhexyl) phosphate	x x
1330-78-5	tritolyl phosphate	x
115-86-6	triphenyl phosphate	X
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride	X
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine	х
100-37-8	2-(diethylamino)ethanol	х
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol	х
78-67-1 541-53-7	2,2'-azobisisobutyronitrile 2,4-Dithiobiuret	X x
53-96-3	2-acetylaminofluorene	x
141-43-5	2-aminoethanol	х
75-86-5	2-methyllactonitrile / acetone cyanohydrin	x x
101-80-4 101-61-1	4,4'-Diaminodiphenyl ether 4,4'-methylenebis(N,N-dimethyl)benzeneamine	X X
92-67-1	4-aminobiphenyl	x
60-11-7	4-dimethylaminoazobenzene	х
92-93-3 100-40-3	4-nitrobiphenyl 4-vinyl-1-cyclohexene	X X
60-35-5	Acetamide	
134-32-7	alpha-naphthylamine	x
55-21-0	Benzamide	х
91-59-8 111-44-4	beta-naphthylamine Bis(2-chloroethyl) ether	X X
542-88-1	Bis(chloromethyl)ether	x
107-30-2	Chloromethyl methyl ether	x
115-10-6	Dimethylether  Putul postators	X
123-86-4 LCL-111	Butyl acetate:n- Dihydronapthalene (all isomers)	x x
7379-12-6	Methyl-3-hexanone,2-	x
27133-93-3	Methylindan (all isomers)	x
103-71-9 420-56-4	Phenyl isocyanate Trimethylfluorosilane	x x
135-20-6	Cupferron	X X
132-64-9	Dibenzofuran	x
101-90-6	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene	X X
138-93-2 759-94-4	Disodium cyanodithioimidocarbonate  Ethyl dipropylthiocarbamate	x x
112-02-7	hexadecyltrimethylammonium chloride	X
124-09-4	hexamethylenediamine	Х
580-31-9	Hexamethylphosphoramide  Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting	x
74-93-1	requirements currently suspended)	×
109-77-3	Malononitrile	x
79-22-1	Methyl chlorocarbonate	х
524-83-9 95-31-8	Methyl isocyanate N-(tert-hutyl)-2-henzothiazolesulfenamide	×
95-31-8 1643-20-5	N-(tert-butyl)-2-benzothiazolesulfenamide N,N-dimethyldodecylamine N-oxide	X X
924-42-5	N-Methylolacrylamide	x x
55-18-5	N-nitrosodiethylamine	)
62-75-9	N-nitrosodimethylamine	Х
924-16-3 621-64-7	N-nitrosodi-N-butylamine N-nitrosodi-N-propylamine	) x
59-89-2	N-nitrosomorpholine	× × ×
759-73-9	N-nitroso-N-ethylurea	)
584-93-5	N-nitroso-N-methylurea	X
16543-55-8	N-nitrosonornicotine	>

## Long Chemical List

Pollutant		Covered by PRTR?
CAS Number	Pollutant Name	Australia Canada EU Kiev Japan US NPI NPRI E-PRTR Protocol PRTR TRI
104-12-1	P-chlorophenyl isocyanate	х
110-85-0	Piperazine	х
51-03-6	Piperonyl butoxide	х
1120-71-4	Propane sultone	х
78-48-8	S,S,S-tributyltrithiophosphate	х
81-07-2	Saccharin (Manufacturing, no supplier notification)	х
132-27-4	Sodium O-phenylphenoxide	х
11070-44-3	Tetrahydromethylphthalic anhydride	х
62-55-5	Thioacetamide	х
79-19-6	Thiosemicarbazide	х
126-73-8	tri-n-butyl phosphate	х
115-96-8	Tris(2-chloroethyl) phosphate	х
51-79-6	Urethane	x
105-60-2	ε-caprolactam	х

Pollutant		Threshold	s, Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
Persistent Or	ganic Pollutants (POPs)							
	Pesticides							
309-00-2 57-74-9	Aldrin Chlordane							
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane							
60-57-1	Dieldrin							
72-20-8	Endrin							
76-44-8 2385-85-5	Heptachlor Mirex							
8001-35-2	Toxaphene							
319-84-6	alpha-hexachlorocyclohexane							
319-85-7	beta-hexachlorocyclohexane							
58-89-9	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-							
	,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)							
143-50-0	Chlordecone							
608-93-5	Pentachlorobenzene							
118-74-1	Industrial chemicals Hexachlorobenzene (HCB)	1	10,000					
1336-36-3	Polychlorinated biphenyls (PCBs)	1	10,000					
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated		,					
30333-01-8	Biphenyls (PBBs)							
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl							
03031-43-2	ether)							
	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl							
207122-15-4	ether and heptabromodiphenyl ether (commercial octabromodiphenyl							
	ether) 2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as	-						
446255-22-7	Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial							
	octabromodiphenyl ether)							
	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as							
207122-16-5	Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and							
5436-43-1	pentabromodiphenyl ether (commercial pentabromodiphenyl ether)							
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and							
	pentabromodiphenyl ether (commercial pentabromodiphenyl ether)  Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl							
LCL-1	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)							
	Polychlorinated dioxins and furans							
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))	2b			2,000,000		60,000	20
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzo furans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term "dioxins". Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.							
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
		0.0						

Pollutant		Thresholds	s, Australia:	NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
40321-76-4	L2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
Metals								
7440.36.0	Antimony and its compounds							
7440-36-0 LCL-4	Antimony Antimony Compounds							
LCL-5	Antimony and its compounds	1	10,000					
7440.00.0	Arsenic and its compounds							
7440-38-2 LCL-6	Arsenic Arsenic Compounds							
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)  Boron and its compounds	1, 2b	10,000		2,000,000		60,000	20
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds	1	10,000					
10294-34-5 7637-07-2	Boron trifluoride Boron trifluoride							
7037 07 2	Cadmium and its compounds							
7440-43-9	Cadmium							
LCL-9 LCL-10	Cadmium Compounds  Cadmium and its compounds / Cadmium and compounds (as Cd)	1, 2b	10,000		2,000,000		60,000	20
LCL-10	Chromium and its compounds Chromium and compounds Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical	1, 20	10,000		2,000,000		60,000	20
LCL-11	forms)							
7440-47-3	Chromium							
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal							
LCL-13	region) Chromium (and its compounds), excludes hexavalent chromium (and its compounds)							
LCL-14	Chromium III compounds / chromium and chromium(III) compounds	1, 2b	10,000		2,000,000		60,000	20
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)	1, 2b	10,000		2,000,000		60,000	20
7440-48-4	Cobalt and its compounds Cobalt							
LCL-16	Cobalt Compounds							
LCL-17	Cobalt and its compounds	1	10,000					
7440-50-8	Copper and its compounds Copper							
LCL-18	Copper Compounds							
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper salts (water-soluble, except complex salts))	1, 2b	10,000		2,000,000		60,000	20
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")  Lead and its compounds							
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)							
LCL-20	Lead Compounds	4 25	10.000		2 000 000		60.000	20
LCL-21 LCL-22	Lead and its compounds / Lead and compounds as (Pb) Lead and its compounds except tetraethyl lead	1, 2b	10,000		2,000,000		60,000	∠0
78-00-2	Tetraethyl lead (USA: included as "lead compound")							
7420.00 5	Manganese and its compounds							
7439-96-5 LCL-23	Manganese Manganese Compounds							
LCL-24	Manganese and its compounds	1	10,000					
	Mercury and its compounds							
7439-97-6 LCL-25	Mercury Mercury Compounds							
LCL-25 LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	1b, 2b	5		2,000,000		60,000	20
	Nickel and its compounds					_		
7440-02-0 LCL-27	Nickel Nickel Compounds						· <u> </u>	·
LCL-27 LCL-28	Nickel compounds  Nickel and its compounds / Nickel and compounds (as Ni)	1, 2b	10,000		2,000,000		60,000	20
12035-72-2	Nickel subsulfide (USA and Canada: included as "nickel compound")	1	10,000		_,,		,,,,,,,,	
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")	1	10,000					
7782-40 2	Selenium and its compounds Selenium							
7782-49-2 LCL-29	Selenium Selenium Compounds							
LCL-30	Selenium and its compounds	1	10,000					
7.40	Zinc and its compounds							·
7440-66-6 LCL-31	Zinc (fume or dust) Zinc Compounds							
LCL-32	Zinc compounds / Zinc and compounds (as Zn) / zinc compounds (water-soluble) (Jpn)	1	10,000					

Pollutant		Thresholds	s, Australia:	: NPI				
CAS Number	Pollutant Name	Chemical	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc compound") / ziram							
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]							
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb							
12071-03-5								
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N- dimethyldithiocarbamate) or polymer of N,N'- propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")							
	Beryllium and its compounds							
7440-41-7	Beryllium							
LCL-33 LCL-34	Beryllium Compounds Beryllium and its compounds	1, 2b	10,000		2,000,000		60,000	20
ECE 34	Silver and its compounds	1, 25	10,000		2,000,000		00,000	
7440-22-4	Silver							
LCL-35	Silver Compounds							
LCL-36	Silver and its compounds / Jpn: water-soluble compounds							
7440-62-2	Vanadium and its compounds Vanadium (except when contained in an alloy)							
LCL-37	Vanadium compounds							
	Aluminum and compounds							
7429-90-5	Aluminum (fume or dust)							
1344-28-1	Aluminum oxide (fibrous forms)	<u> </u>						
20859-73-8	Aluminum phosphide	<del>                                     </del>						
7440-39-3	Barium and its compounds Barium	-						
		†						
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)							
	Indium and its compounds							
LCL-39	Indium and its compounds							
7705-08-0	Iron and its compounds ferric chloride							
13463-40-6	Iron pentacarbonyl							
	Lithium and its compounds							
554-13-2	Lithium carbonate							
	Magnesium and its compounds							
1309-48-4	Magnesium oxide fume	1, 2b	10,000		2,000,000		60,000	20
LCL-40	Molybdenum and its compounds  Molybdenum and its compounds							
1313-27-5	Molybdenum trioxide							
	Osmium and its compounds							
20816-12-0	Osmium tetroxide							
	Thallium and its compounds							
7440-28-0 LCL-41	Thallium Compounds							
ECE 41	Titanium tetrachloride							
7550-45-0	Titanium tetrachloride							
	Zirconium							
7699-43-6	zirconium dichloride oxide							
Inorganic sub								
1332-21-4	Asbestos							
1552-21-4	Asbestos / Cdn, USA: Asbestos (friable)  Cyanides (as total CN)							
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) /	1	10,000					
	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	'	10,000					
74-90-8	Hydrogen cyanide Fluorides (as total F)							
1.61.45								
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts							
LCL-44	Fluoride compounds	1, 2a, 2b	10,000		400,000	1,000	60,000	20
7664-39-3 7681-49-4	Hydrogen fluoride Sodium fluoride							
7789-75-5	Calcium fluoride							
	Phosphorus							
LCL-45	Phosphorus (total)	3		3,000			_	
LCL-46	Phosphorus (total, excluding yellow or white phosphorus)							
7723-14-0	Phosphorus (yellow, white)  Nitrate							
10.47	Nitrate Compounds (water dissociable; reportable only when in aqueous							
LCL-47	solution)							
LCL-48	nitrate ion in solution at ph >= 6.0		40.000					
7697-37-2	Nitric Acid  Particulate matter	1	10,000					
	PM - Total Particulate Matter (Canada: Particulate matter with a diameter							
LCL-49	less than 100 micrometres)							
LCL-50	PM10 - Particulate matter	2a, 2b			400,000		60,000	20
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns	2a, 2b			400,000	1,000	60,000	20
	Sulfate Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas,							
7664-93-9	fog, and other airborne forms of any particle size) (USA)	1	10,000					
LCL-52	Chloride (as Cl-) Chlorides (as total Cl)	-						
	Nitrite	1						
		00						

Combusted   Comb	Energy Power Ratin (MWh) (MW
Potassium bromate	
O756-12   Potassium bromate	
Phosphoric acid	
Sodium aride	
Thorium dioxide   Thorium dioxide   Thorium dioxide   Thorium dioxide   Thorium dioxide   Total Nitrogen	
Thorium dioxide   Total Nitrogen   State Nitrogen   Sta	
Total Introgen	
Total Sulphur	
Total Sulphur Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbony sulphide, dimethyl sulphide and methyl mercaptan, expressed as hydrogen sulphide)  Chlorinated and brominated organic substances  Chlorinated ethanes and propanes  1 10,000 1,12-finiolizorethane 1 10,000 1,12-finiolizorethylene 1 10,000 1,12-fini	
LL1-54	
Chlorinated and brominated organic substances	
1	
1	
1,1,2,Trichloroethane	
1,1,2,2-Tetrachioroethane   1   10,000	
1,1,1,2-Tetrachloroethane	
Total	
1.2-Dichloropropane	
78.87-5   1,2-0ichloropropane	
1,2,3-frichloropropane	
75-01-4	
1	
127:18-4   Tetrachloroethylene   1   10,000	
107-05-1	
563-47-3   3-Chloro-2-methyl-1-propene     156-59-2   cis-1,2-dichloroethylene     542-75-6   1,3-Dichloroptropylene   D-D     78-88-6   2,3-dichloroptropene     10061-02-6   trans-1,3-dichloroptropene	
156-59-2   Cis-1,2-dichloroethylene   540-59-0   1,2-Dichloroethylene   540-59-0   1,2-Dichloroethylene   542-75-6   1,3-Dichloropropylene / D-D   78-88-6   2,3-dichloropropene   10061-02-6   trans-1,3-dichloropropene	-
542-75-6	-
78-88-6 2,3-dichloropropene 10061-02-6 trans-1,3-dichloropropene Chlorinated methanes 75-09-2 Dichloromethane / methylene dichloride 1 10,000 67-66-3 Trichloromethane / Chloroform 1 10,000 56-23-5 Tetrachloromethane / Carbon tetrachloride Chlorobenzenes Chlorobenzenes 108-90-7 Chlorobenzene 95-50-1 o-Dichlorobenzene; 1,2-Dichlorobenzene 108-40-7 p-Dichlorobenzene; 1,4-Dichlorobenzene 54-173-1 1,3-Dichlorobenzene; 1,4-Dichlorobenzene 25321-22-6 Dichlorobenzene (mixed isomers) 1200-24-1 Trichlorobenzene (mixed isomers) 1200-24-1 1,2,4-Trichlorobenzene Brominated diphenylethers (PBDE) 1163-19-5 Decabromodiphenyl ether Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE) Short Chain Chlorinated Paraffins (SCCPs) Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro Alkanes, C6-18, chloro (attention: short chain: only <c141) brominated="" td="" voc<=""><td></td></c141)>	
Chlorinated methanes 75-09-2 Dichloromethane / methylene dichloride 1 10,000 67-66-3 Trichloromethane / Chloroform 1 10,000 56-23-5 Tetrachloromethane / Carbon tetrachloride 74-87-3 Chloromethane / methyl chloride Chlorobenzenes 108-90-7 Chlorobenzene 108-90-7 O-Dichlorobenzene; 1,2-Dichlorobenzene 106-46-7 p-Dichlorobenzene; 1,4-Dichlorobenzene 541-73-1 1,3-Dichlorobenzene; 1,4-Dichlorobenzene 125321-22-6 Dichlorobenzene (mixed isomers) 12002-48-1 Trichlorobenzene (mixed isomers) 12002-48-1 1,2,4-Trichlorobenzene Brominated diphenylethers (PBDE) 1163-19-5 Decabromodiphenyl ether LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE) Short Chain Chlorinated Paraffins (SCCPs) Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
75-09-2	
67-66-3 Trichloromethane / Chloroform 1 10,000  56-23-5 Tetrachloromethane / Carbon tetrachloride  74-87-3 Chloromethane / methyl chloride  Chlorobenzenes  108-90-7 Chlorobenzene  95-50-1 o-Dichlorobenzene; 1,2-Dichlorobenzene  106-46-7 p-Dichlorobenzene; 1,4-Dichlorobenzene  541-73-1 1,3-Dichlorobenzene; 1,4-Dichlorobenzene  52321-22-6 Dichlorobenzene (mixed isomers)  12002-48-1 Trichlorobenzene  Brominated diphenylethers (PBDE)  1163-19-5 Decabromodiphenyl ether  Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  Short Chain Chlorinated Paraffins (SCCPs)  Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C5-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
56-23-5 Tetrachloromethane / Carbon tetrachloride 74-87-3 Chloromethane / methyl chloride  Chlorobenzenes  108-90-7 Chlorobenzene 95-50-1 o-Dichlorobenzene; 1,2-Dichlorobenzene 106-46-7 p-Dichlorobenzene; 1,4-Dichlorobenzene 541-73-1 1,3-Dichlorobenzene (mixed isomers) 12002-48-1 Trichlorobenzene (mixed isomers) 12002-48-1 Trichlorobenzene  Brominated diphenylethers (PBDE)  1163-19-5 Decabromodiphenyl ether Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  Short Chain Chlorinated Paraffins (SCCPs)  Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
Chlorobenzenes  108-90-7 Chlorobenzene 95-50-1 o-Dichlorobenzene; 1,2-Dichlorobenzene 106-46-7 p-Dichlorobenzene; 1,4-Dichlorobenzene 541-73-1 1,3-Dichlorobenzene 525321-22-6 Dichlorobenzene (mixed isomers) 12002-48-1 Trichlorobenzene 120-82-1 1,2,4-Trichlorobenzene  Brominated diphenylethers (PBDE)  1163-19-5 Decabromodijhenyl ether  LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  Short Chain Chlorinated Paraffins (SCCPs)  Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C5-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
108-90-7 Chlorobenzene 95-50-1 o-Dichlorobenzene; 1,2-Dichlorobenzene 106-46-7 p-Dichlorobenzene; 1,4-Dichlorobenzene 5541-73-1 1,3-Dichlorobenzene; (nixed isomers) 12002-48-1 Trichlorobenzene (mixed isomers) 120-82-1 1,2,4-Trichlorobenzene Brominated diphenylethers (PBDE) 1163-19-5 Decabromodiphenyl ether LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE) Short Chain Chlorinated Paraffins (SCCPs)  Kloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
106-46-7 p-Dichlorobenzene; 1,4-Dichlorobenzene 541-73-1 1,3-Dichlorobenzene 25321-22-6 Dichlorobenzene (mixed isomers) 12002-48-1 Trichlorobenzenes 120-82-1 1,2,4-Trichlorobenzene Brominated diphenylethers (PBDE) 1163-19-5 Decabromodiphenyl ether Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE) Short Chain Chlorinated Paraffins (SCCPs)  Kloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
541-73-1 1,3-Dichlorobenzene  25321-22-6 Dichlorobenzene (mixed isomers)  12002-48-1 Trichlorobenzenes  120-82-1 1,2,4-Trichlorobenzene  Brominated diphenylethers (PBDE)  1163-19-5 Decabromodiphenyl ether  LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  Short Chain Chlorinated Paraffins (SCCPs)  Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C5-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
25321-22-6 Dichlorobenzene (mixed isomers) 12002-48-1 Trichlorobenzenes 120-82-1 1,2,4-Trichlorobenzene Brominated diphenylethers (PBDE) 1163-19-5 Decabromodiphenyl ether LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE) Short Chain Chlorinated Paraffins (SCCPs) Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td>-</td></c14!)>	-
120-82-1 1,2,4-Trichlorobenzene  Brominated diphenylethers (PBDE)  1163-19-5 Decabromodiphenyl ether  LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  Short Chain Chlorinated Paraffins (SCCPs)  Kloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
Brominated diphenylethers (PBDE)  1163-19-5 Decabromodiphenyl ether  LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  Short Chain Chlorinated Paraffins (SCCPs)  Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
1163-19-5 Decabromodiphenyl ether  LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  Short Chain Chlorinated Paraffins (SCCPs)  Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
and deca-BDE)  Short Chain Chlorinated Paraffins (SCCPs)  Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
Short Chain Chlorinated Paraffins (SCCPs)  Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C5-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
85535-84-8 Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
LCL-56 Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td></c14!)>	
Brominated VOC	
75-25-2 Bromoform (Tribromomethane)	
74-95-3 Methylene bromide 124-48-1 dibromochloromethane	
75-27-4 Dichlorobromomethane / bromodichloromethane	
106-93-4 1,2-Dibromoethane 1 10,000	
107-04-0         1-Bromo-2-chloroethane           106-94-5         1-bromopropane	
75-26-3 2-bromopropane	
593-60-2 Vinyl bromide Chlorinated talliance and phanels	
Chlorinated toluenes and phenols  95-57-8 o-chlorophenol	
106-48-9 p-chlorophenol	
95-73-8 2,4-dichlorotoluene	
87-86-5 Pentachlorophenol (PCP)  LCL-57 Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA) 1 10,000	
120-83-2 2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)	
88-06-2 2,4,6-Trichlorophenol	
95-95-4 2,4,5-Trichlorophenol 95-49-8 o-chlorotoluene	
106-43-4 p-chlorotoluene	
131-52-2 Sodium pentachlorophenate  98-87-3 Benzal chloride (Benzylidene dichloride)	
98-87-3 Benzal chloride (Benzylidene dichloride) 98-88-4 Benzoyl chloride	
100-44-7 Benzyl chloride	
611-19-8 1-chloro-2-(chloromethyl)benzene 59-50-7 4-chloro-3-methylphenol	
98-07-7 Benzoic trichloride (Benzylidyne trichloride)	

Pollutant		Thresholds	s, Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
115-28-6	Chlorendic acid Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid)							
	Chlorinated carboxylic acids & carboxylic acid esters							
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)							
76-03-9	trichloroacetic acid							
76-02-8 598-78-7	Trichloroacetyl chloride 2-chloropropionic acid							
105-39-5	ethyl chloroacetate							
	Bis(2-chloro-1-methylethyl) ether							
108-60-1	Bis(2-chloro-1-methylethyl) ether							
111-91-1	Bis(2-chloroethoxy)methane Bis(2-chloroethoxy)methane							
	Chloroanilines							
95-51-2	o-chloroaniline							
106-47-8	p-chloroaniline							
LCL-58 LCL-59	chloroaniline dichloroaniline							
95-69-2	p-chloro-o-toluidine							
	Chloroprene							
126-99-8	Chlorinated butenes							
110-57-6	Trans-1,4-dichloro-2-butene							
764-41-0	1,4-dichloro-2-butene							
	Chloronaphthalenes							
1335-87-1 2234-13-1	Hexachloronaphthalene Octachloronaphthalene							
	3-Chloropropionitrile							
542-76-7	3-Chloropropionitrile							
	Dimethylcarbamyl chloride							
79-44-7	Dimethylcarbamyl chloride							
2524-03-0	Dimethyl chlorothiophosphate  Dimethyl chlorothiophosphate							
	2,2-dibromo-2-cyanoacetamide							
10222-01-2	2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)							
LCL-60	Halogenated organic compounds Halogenated organic compounds (as AOX)							
87-68-3	Hexachlorobutadiene (HCBD) Hexachlorobutadiene (HCBD)							
07 00 3	Hexachlorocyclopentadiene							
77-47-4	Hexachlorocyclopentadiene							
504.42.2	Perchloromethyl mercaptan							
594-42-3	Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol							
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)							
	Polybrominated biphenyls (PBBs)							
LCL-61	Polybrominated biphenyls							
79-94-7	Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA)							
	Tris(2,3-dibromoproyl)phosphate							
126-72-7	Tris(2,3-dibromoproyl)phosphate							
75.02.5	Vinyl Fluoride Vinyl Fluoride (added to TRI for PV2011)							
75-02-5	Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene							
116-14-3	Tetrafluoroethylene (USA: added to TRI for RY2011)							
Ozone depleti	ing substances			-				
	Hydrochlorofluorocarbons (HCFCs)							
LCL-62	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265,							
	16.10.2003, p. 1))							
75-43-4 75-45-6	HCFC-21, Dichlorofluoromethane HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane							
354-14-3	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane							
354-11-0	HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane							
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)							
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)							
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
812-04-4	HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
90454-18-5	Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							

Pollutant		Thresholds	, Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0							
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)							
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)							
1649-08-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b							
75-88-7	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)							
1717-00-6 75-68-3	HCFC-141b / 1,1-dichloro-1-fluoroethane HCFC-142b / 1-chloro-1,1-difluoroethane							
127564-92-5	Dichloropentafluoropropane							
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)							
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane							
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane							
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane							
431-86-7 507-55-1	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane 1,3-Dichloro-1,1,2,2,3-Pentafluoropropane							
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane							
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane							
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane							
431-07-2	Chlorotrifluoroethane (HCFC-133)						-	
	Chlorofluorocarbon (CFCs) Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including							
LCL-63	their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000)							
75-69-4 75-71-8	CFC-11, Trichlorofluoromethane CFC-12, Dichlorodifluoromethane							
	CFC-112, Dictilorodifidorometriane  CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-							
76-13-1	1,2,2,-trifluoro-]							
76-14-2	CFC-114, Dichlorotetrafluoroethane							
76-15-3	CFC-115, Monochloropentafluoroethane							
75-72-9	CFC-13, Chlorotrifluoromethane							
LCL-64	CFC-112, Tetrachlorodifluoroethane							
	Halons							
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)							
353-59-3	Halon 1211, Bromochlorodifluoromethane							
75-63-8	Halon 1301, Bromotrifluoromethane							
124-73-2 74-83-9	Dibromotetrafluoroethane (Halon 2402) Bromomethane (Methyl bromide)							
Greenhouse g								
	Carbon dioxide (CO2)							
	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts							
	are published annually by the Australian Government. The national							
	inventory forms the foundation for Australia's efforts to address climate							
	change. By identifying and reporting emissions sources and sinks, and							
124-38-9	changes in these over time, the inventory provides information							
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## Long Chemical List

Pollutant		Thresholds	, Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
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10024-97-2	Nitrous oxide (N2O)  Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
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	Hydrofluorocarbons (HFCs)							
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
	Perfluorocarbons (PFCs)		_				_	- 
LCL-67	Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							

Pollutant		Thresholds	s, Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
	Sulphur hexafluoride (SF6)							
2551-62-4	Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
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Other gases								
	Ammonia Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and							
7664-41-7	aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) (USA)							
LCL-68	Ammonia (Total)  Chlorine and inorganic compounds (as HCl)	1	10,000					
7782-50-5	Chlorine							
LCL-69	Chlorine & compounds / Chlorine and inorganic compounds (as HCI)	1	10,000					
7647-01-0	Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	1, 2a, 2b	10,000		400,000	1,000	60,000	20
75-21-8	Ethylene oxide Ethylene oxide	1	10,000					
	Bromine		-,0					
7726-95-6	Bromine Chlorine dioxide							
10049-04-4	Chlorine dioxide  Carbon monoxide	1	10,000					
630-08-0	Carbon monoxide	1, 2a, 2b	10,000		400,000	1,000	60,000	20
7782-41-4	Fluorine and inorganic compounds (as HF)		_					
LCL-70	Fluorine and inorganic compounds (as HF)							
7783-06-4	Hydrogen sulfide Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)	1	10,000					
11104-93-1	Nitrogen oxides Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)	2a, 2b			400,000	1,000	60,000	20
	Sulphur oxides (SOx/SO2)		10.000					
2025-88-4	Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid	1, 2a, 2b	10,000		400,000	1,000	60,000	20
LCL-71	water-soluble salts of bromic acid							
74-85-1	Hydrocarbons (gases) Ethylene							
74-86-2	Acetylene							
74-98-6 115-07-1	Propane Propylene							
LCL-72 25167-67-3	Butane (all isomers)		· · · · · · · · · · · · · · · · · · ·				· · · · · ·	
25167-67-3	Butene (all isomers)  Mustard							
505-60-2	Mustard Gas							
51-75-2	Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]							
224.00.0	Diazomethane							
334-88-3	Diazomethane Ozone							

Pollutant		Thresholds	s, Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
10028-15-6	Ozone							
2699-79-8	Sulfuryl fluoride Sulfuryl fluoride							
2033-73-6	Phosphine							
7803-51-2	Phosphine							
Polycyclic aro	matic hydrocarbons (PAHs)							
1.01.72	Polycyclic aromatic hydrocarbons (PAHs)	On Oh			400,000	1.000	60,000	20
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq) Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8),	2a, 2b			400,000	1,000	60,000	20
LCL-74	benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)							
LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the							
56-55-3	NPRI substance list.  Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds							
205-99-2	(PACs) category) Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic							
205-82-3	compounds (PACs) category) Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic							
207-08-9	compounds (PACs) category) Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic							
	compounds (PACs) category) Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the							
206-44-0	Polycyclic aromatic compounds (PACs) category) Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds							
189-55-9	(PACs) category)  Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic							
218-01-9	compounds (PACs) category)  Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds							
50-32-8	(PACs) category)  Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds							
226-36-8	(PACs) category)  Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds							
224-42-0	(PACs) category) Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic							
53-70-3	compounds (PACs) category) 7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic							
194-59-2	compounds (PACs) category) Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic							
5385-75-1	compounds (PACs) category)  Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds							
192-65-4	(PACs) category)  Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds							
189-64-0	(PACs) category) Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds							
191-30-0	(PACs) category) 7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic							
57-97-6	aromatic compounds (PACs) category) Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic							
193-39-5	compounds (PACs) category)  3-Methylcholanthrene (USA: included in the Polycyclic aromatic							
56-49-5	compounds (PACs) category)  5-Methylchrysene (USA: included in the Polycyclic aromatic compounds							
3697-24-3	(PACs) category)  1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs)							
5522-43-0	1.6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic							
42397-64-8	aromatic compounds (PACs) category)							
42397-65-9	1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
8001-58-9	Creosote Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals					·		
120-12-7 191-24-2	intentionally used and therefore listed individually) Benzo(g,h,i)perylene							
91-20-3	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals							
LCL-76	intentionally used and therefore listed individually) methylnaphthalene (Jpn: PAHs in the PRTR system are limited to							
83-32-9	chemicals intentionally used and therefore listed individually) acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals							
85-01-8	intentionally used and therefore listed individually) Phenanthrene							
192-97-2	Benzo(e)pyrene							
198-55-0	Perylene							
129-00-0 208-96-8	Pyrene Acenaphthylene - PAH							
86-73-7	Fluorene - PAH							
Other organic				-				
	Acetonitrile							
75-05-8	Acrolein Acrolein	1	10,000					
107-02-8	Acrolein	1	10,000					
	Acrylamid							
		00						

Pollutant		Thresholds	s, Australia	: NPI				
CAS Number	Pollutant Name	Chemical	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
79-06-1	Acrylamid	1	10,000					
	Acrylic and methacrylic acid							
79-10-7	Acrylic acid / acrylic acid and its water-soluble salts (Jpn)	1	10,000					
79-41-4	methacrylic acid							
818-61-1	Acrylic and methacrylic acid esters  2-hydroxyethyl acrylate							
13048-33-4	hexamethylene diacrylate							
80-62-6	Methyl methacrylate	1	10,000					
96-33-3	Methyl acrylate		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
140-88-5	Ethyl acrylate							
97-88-1	n-butyl methacrylate							
105-16-8	2-(diethylamino)ethyl methacrylate							
106-91-2 688-84-6	2,3-epoxypropyl methacrylate 2-ethylhexyl methacrylate							
2867-47-2	2-(dimethylamino)ethyl methacrylate							
141-32-2	Butyl acrylate							
2439-35-2	2-(dimethylamino)ethyl acrylate							
	Acrylonitrile and methacrylonitrile							
107-13-1	Acrylonitrile	1	10,000					
126-98-7	Methacrylonitrile							
	Aldehydes							
75-07-0	Acetaldehyde	1	10,000					
78-84-2 90-02-8	Isobutyraldehyde Salicylaldehyde	<del>                                     </del>						
100-52-7	Salicylaldehyde Benzaldehyde	<del>                                     </del>						
111-30-8	Glutaraldehyde	1	10,000					
123-38-6	Propionaldehyde		,					
123-63-7	Paraldehyde							
123-72-8	Butyraldehyde							
4170-30-3	Crotonaldehyde / 2-butenal							
	Anilines							
62-53-3	Aniline	1	10,000					
LCL-77 95-53-4	toluidine o-toluidine							
636-21-5	o-toluidine hydrochloride							
95-68-1	2,4-dimethylaniline							
87-62-7	2,6-dimethylaniline / 2,6-Xylidine							
121-69-7	N,N-Dimethylaniline (and its salts)							
101-77-9	4,4'-methylenedianiline							
120-71-8	p-cresidine (2-methoxy-5-methylaniline)							
134-29-2 123-30-8	O-Anisidine hydrochloride p-aminophenol							
591-27-5	m-aminophenol							
25376-45-8	Diaminotoluene (mixed isomers) / toluenediamine (Jpn)							
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)							
139-65-1	4,4'-Thiodianiline							
90-04-0	o-anisidine							
104-94-9 615-05-4	p-anisidine 2,4-diaminoanisole							
39156-41-7	2,4-diaminoanisole sulfate							
	Biphenyl							
92-52-4	Biphenyl (1,1-biphenyl)	1	10,000					
	C3-Benzenes							
95-63-6	1,2,4-Trimethylbenzene							
108-67-8	1,3,5-trimethylbenzene							
25551-13-7	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)							
98-82-8	Cumene (1-methylethylbenzene)	1	10,000					
110-54-3	Hydrocarbons (liquids) n-Hexane	1	10,000					
110-54-3	Сусюнехане	1	10,000					
LCL-78	Pentane (all isomers)	<del> </del>	. 5,000					
LCL-79	Pentene (all isomers)							
LCL-80	Hexane (all isomers excluding n-hexane)				-			
25264-93-1	Hexene (all isomers)	ļ						
LCL 82	Heptane (all isomers)	-						
LCL-82 LCL-83	Octane (all isomers) Nonane (all isomers)	-						
LCL-83 LCL-84	Decane (all isomers)	<del>                                     </del>						
LCL-85	Dodecane (all isomers)							
8052-41-3	Stoddard solvent							
64475-85-0	Mineral spirits			•				
64741-65-7	Heavy alkylate naphtha	<u> </u>						
64742-47-8	Hydrotreated light distillate							
64742-48-9 64742-88-7	Hydrotreated heavy naphtha  Solvent naphtha medium aliphatic							
64742-88-7	Solvent naphtha light aliphatic	<del>                                     </del>						
64742-94-5	Heavy aromatic solvent naphtha							
64742-95-6	Light aromatic solvent naphtha							
	Naphtha							
8030-30-6					· <u> </u>			
8032-32-4	VM & P naphtha							
8032-32-4 8042-47-5	White mineral oil							
8032-32-4 8042-47-5 LCL-86	White mineral oil Cycloheptane (all isomers)							
8032-32-4 8042-47-5 LCL-86 LCL-87	White mineral oil Cycloheptane (all isomers) Cyclohexene (all isomers)							
8032-32-4 8042-47-5 LCL-86	White mineral oil Cycloheptane (all isomers) Cyclohexene (all isomers) Cyclooctane (all isomers)							
8032-32-4 8042-47-5 LCL-86 LCL-87	White mineral oil Cycloheptane (all isomers) Cyclohexene (all isomers) Cyclooctane (all isomers) BTEX							
8032-32-4 8042-47-5 LCL-86 LCL-87	White mineral oil Cycloheptane (all isomers) Cyclohexene (all isomers) Cyclooctane (all isomers)	1	10,000					

Pollutant		Thresholds	. Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1	10,000					
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1	10,000					
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1	10,000					
95-47-6	o-xylene							
106-42-3	p-xylene							
108-38-3	m-xylene 1,3-Butadiene							
106-99-0	1,3-Butadiene	1	10,000					
	Carbon disulfide	·	.0,000					
75-15-0	Carbon disulfide / Carbon disulphide	1	10,000					
	Diisocyanates							
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)  1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as	1	10,000					
5124-30-1 4098-71-9	Dissocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn) Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-							
9016-87-9	isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn) Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)							
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)							
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)							
822-06-0 38661-72-2	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)  1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)							
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)							
2556-36-7	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)							
134190-37-7 4128-73-8	Diethyldiisocyanatobenzene (USA: specified as Diisocyanates) 4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)							
75790-87-3	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)							
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as Diisocyanates)							
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as Diisocyanates) 3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as							
139-25-3 75790-84-0	Diisocyanates) 4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as							
3173-72-6	Diisocyanates)  1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5- naphthalenediyl diisocyanate (Jpn)							
123-61-5 104-49-4	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates) 1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)							
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)  Toluenediisocyanates							
584-84-9	Toluene-2,4-diisocyanate	1	10,000					
91-08-7 26471-62-5	Toluene-2,6-diisocyanate Toluenediisocyanate (mixed isomers) / tolylene diisocyanate							
110-80-5	2-Ethoxyethanol 2-Ethoxyethanol / ethylene glycol monoethyl ether	1	10,000					
110-00-3	Methoxyethanol	<u> </u>	10,000					
109-86-4	Methoxycthanol / ethylene glycol monomethyl ether  Formaldehyde	1	10,000					
50-00-0	Formaldehyde Glycol ethers	1	10,000					
LCL-90	certain glycol ethers							
112-34-5	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)		-	-		· <del></del>		
112-25-4 5131-66-8	Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)  Propylene glycol butyl ether (USA: incl. in certain glycol ethers)							
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain glycol ethers) glycol ethers)	1	10,000					
111-76-2 111-15-9	2-Butoxyethanol (USA: incl. in certain glycol ethers)     2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain	1	10,000					
108-65-6	glycol ethers)  Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)	· ·						
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)							
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)							
101-14-4	4,4'-methylenebis[2-chloroaniline] 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)	1	10,000					
LCL-91	Organotin compounds (as total Sn) Organotin compounds (as total Sn) / organic tin compounds (Jpn)	1	10,000					
LCL-92 56-35-9	Tributyltin and compounds Bis(tributyltin) oxide							
1983-10-4	Tributyltin fluoride							
2155-70-6	Tributyltin methacrylate		-	-				
LCL-93 639-58-7	Triphenyltin and compounds Triphenyltin chloride							
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide							

Pollutant		Thresholds	s, Australia:	: NPI				
CAS Number	Pollutant Name	Chemical	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
76-87-9	Triphenyltin hydroxide							
	Phenols Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted							
LCL-94	phenols)							
108-95-2 1319-77-3	Phenol Cresol / USA: Cresol (mixed isomers)	11	10,000					
95-48-7	o-cresol							
106-44-5	p-cresol							
108-39-4 1300-71-6	m-cresol Dimethyl phenol							
576-26-1	2,6-xylenol (2,6-Dimethylphenol)							
105-67-9	2,4-Dimethylphenol / 2,4-xylenol							
128-37-0 96-76-4	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol 2,4-di-tert-butylphenol							
89-72-5	o-sec-butylphenol							
98-54-4 88-60-8	4-tert-butylphenol 2-tert-butyl-5-methylphenol							
90-43-7	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA)							
108-98-5	Thiophenol Phthalates							
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	1	10,000					
84-74-2	Dibutyl phthalate	1	10,000					
85-68-7	Butyl benzyl phthalate Di-n-octyl phthalate							·
117-84-0 84-66-2	Di-n-octyl phthalate Diethyl phthalate							
120-61-6	Dimethyl terephthalate							
131-11-3 131-17-9	Dimethyl phthalate							
131-17-9	diallyl phthalate Styrenes							
100-42-5	Styrene	1	10,000					
96-09-3	Styrene oxide, phenyloxirane							
98-83-9 29082-74-4	α-methylstyrene Octachlorostyrene							
	Aromatic nitro compounds							
51-28-5	2,4-dinitrophenol							
88-75-5 100-02-7	2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol) p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol (USA)							
534-52-1	4,6-dinitro-o-cresol							
88-72-2	o-nitrotoluene							
121-14-2 606-20-2	2,4-Dinitrotoluene 2,6-Dinitrotoluene							
25321-14-6	Dinitrotoluene (mixed isomers)							
88-74-4 100-01-6	o-nitroaniline p-Nitroaniline							
99-54-7	1,2-dichloro-4-nitrobenzene							
89-61-2 97-00-7	1,4-dichloro-2-nitrobenzene 1-chloro-2,4-dinitrobenzene							
121-87-9	2-chloro-4-nitroaniline							
88-73-3	2-chloronitrobenzene							
98-95-3 99-65-0	Nitrobenzene m-Dinitrobenzene							
100-25-4	p-Dinitrobenzene							
528-29-0	o-Dinitrobenzene 5-nitro-o-toluidine							
99-55-8 100-00-5	p-nitro-brobenzene							
88-85-7	Dinitrobutyl phenol (Dinoseb)		_		_	_	_	_
88-89-1 99-59-2	Picric acid (2,4,6-trinitrophenol ) 5-nitro-o-anisidine							
91-23-6	o-Nitroanisole (added to TRI for RY2011)							
00.05.7	Bisphenol A							
80-05-7	4,4'-isopropylidenediphenol / bisphenol A  1,2-Butylene oxide							
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane							
	Calcium cyanamide Calcium cyanamide							
156-62-7	Catechol							
120-80-9	Catechol / pyrocatechol Cumene hydroperoxide							
80-15-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide  Cyclic ethers							
123-91-1	1,4-Dioxane		_					
109-99-9	Tetrahydrofuran Dicyclopentadiene							
77-73-6	Dicyclopentadiene							
	Diphenylamine							
122-39-4	Diphenylamine  Friehlam hydrin							
106-89-8	Epichlorohydrin Epichlorohydrin							
_00 00 0	Epoxy compounds							
75-56-9	Propylene oxide (1,2-epoxypropane)							
106-92-3 122-60-1	1-allyloxy-2,3-epoxypropane 2,3-epoxypropyl phenyl ether							
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)							
1464-53-5 2451-62-9	Diepoxybutane 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione							
51 52 5	Ethylene glycol							

Pollutant		Thresholds	s, Australia:	: NPI				
CAS Number	Pollutant Name		Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
	Ethylene glycol Ethylene thiourea	1	10,000					
	Ethylene thiourea (2-imidazolidinethione)							
	Hydrazines							
	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)							
.0034-93-2	Hydrazine sulfate							
	1,1-Dimethyl hydrazine							
	Methyl hydrazine							
	phenylhydrazine 1,2-Diphenylhydrazine							
	Ketone solvents							
	Acetone	1	10,000					
108-10-1	Methyl isobutyl ketone	1	10,000					
	Methyl ethyl ketone	1	10,000					
	Ethyl butyl ketone	1	10,000					
	Maleic anhydride							
	Maleic anhydride							
	N,N-Dimethylformamide N,N-Dimethylformamide							
	Nitroglycerin							
	Nitroglycerin							
	Nitrilotriacetic acid							
	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)  Nonylphenol							
CI -95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and					<del></del>		
	its ethoxylates							
	Nonylphenol Octulational							
	Octylphenol Octylphenols and Octylphenols ethoxylates / Octylphenol and its	<del>                                     </del>						
I XUD-2D-4	ethoxylates							
	p-octylphenol							
9036-19-5	poly(oxyethylene) octylphenyl ether							
	Phenylenediamines							
	phenylenediamine							
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)							
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)							
108-45-2	m-phenylenediamine (1,3-Phenylenediamine)							
	1,2-phenylenediamine dihydrochloride							
	1,4-phenylenediamine dihydrochloride							
	Phthalic anhydride							
	Phthalic anhydride							
	Pyridines							
	Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)							
	2-vinylpyridine 3-methylpyridine							
	2-Methylpyridine							
	Quinoline							
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)							
	Quinones							
	Quinone, p-Quinone							
	Hydroquinone							
	1-AMINO-2-METHYLANTHRAQUINONE 1-amino-9,10-anthraquinone	<del>                                     </del>						
	2,3,5,6-tetrachloro-p-benzoquinone							
	2-AMINOANTHRAQUINONE							
31-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)							
	Anthraquinone (all isomers)							-
	Saturated alcohols	<u> </u>						
	Methanol Ethanol	1	10,000					
	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid	<del>- '</del> -	10,000					
	process are subject, no supplier notification)	1						
71-36-3	n-Butyl alcohol							
	i-Butyl alcohol				-			
	sec-Butyl alcohol							
	tert-Butyl alcohol 3,5,5-trimethyl-1-hexanol							
	1-nonanol / n-nonyl alcohol							
	decyl alcohol / decanol							
112-53-8	1-dodecanol / n-dodecyl alcohol							
	1-Octanol					·		
	Thiourea							
	Thiourea	-						
	Unsaturated aliphatic alcohols	-						
	Allyl alcohol Propargyl alcohol	-						
101-13-1	Vinyl acetate							
	Vinyl acetate Vinyl acetate							
108-05-4	Volatile organic compounds (VOCs)							
108-05-4	Volatile organic compounds (VOCs) Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the							
108-05-4								
08-05-4 CL-99	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999see: http://www.ec.gc.ca/lcpe-							
08-05-4 CL-99	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999—see: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-							
08-05-4 CL-99	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999see: http://www.ec.gc.ca/lcpe-							

Pollutant		Thresholds	s, Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
646-06-0	1,3-dioxolane 1,3-dioxolane							
0.000	divinylbenzene							
1321-74-0	divinylbenzene							
	diphenyl ether							
101-84-8	diphenyl ether	-						
LCL-102	Ethylenebisdithiocarbamic acid, salts and esters ethylenebisdithiocarbamic acid, salts and esters							
102	1,3-diphenylguanidine							
102-06-7	1,3-diphenylguanidine							
	N,N-dimethylacetamide							
127-19-5	N,N-dimethylacetamide							
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine							
733 21 0	hydrogenated terphenyl							
61788-32-7	hydrogenated terphenyl							
	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester							
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester							
224 49 5	carbonic acids / dicarbonic acids decanoic acid							
334-48-5 124-04-9	Adipic acid							
149-57-5	2-ethylhexanoic acid							
	sodium dodecyl sulfate		-	-		· <del></del>		
151-21-3	sodium dodecyl sulfate							
702 74 4	1,2-bis(2-chlorophenyl)hydrazine	-						
782-74-1	1,2-bis(2-chlorophenyl)hydrazine Furans	+						
110-00-9	Furan (USA: added to TRI for RY2011)							
98-00-0	Furfuryl alcohol							
	Nitrosodiphenylamine							
86-30-6	N-Nitrosodiphenylamine							
156-10-5	P-Nitrosodiphenylamine Phosgene							
75-44-5	Phosgene							
755	Terpens							
68956-56-9	Terpene (all isomers)							
123-35-3	Myrcene							
5989-27-5 80-56-8	Limonene,D- Alpha-Pinene							
127-91-3	Beta-Pinene							
555-10-2	Beta-Phellandrene							
	betanaphthol							
135-19-3	betanaphthol							
119-61-9	benzophenone benzophenone							
115-01-5	sodium poly(oxyethylene) dodecyl ether sulfate							
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate							
	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)							
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)							
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)							
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)  Michler's ketone (and its salts)							
90-94-8	Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)							
	Adipate							
103-23-1	Bis(2-ehtylhexyl) adipate							
	Ethyl acetate							
141-78-6	Ethyl acetate	1	10,000					
92-87-5	Benzidine Benzidine	+						
91-94-1	3,3'-dichlorobenzidine							
119-90-4	3,3'-dimethoxybenzidine		-			· · · · · · · · · · · · · · · · · · ·		
612-83-9	3,3'-Dichlorobenzidine dihydrochloride	1						
119-93-7	3,3'-dimethylbenzidine / o-tolidine	+						
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)	<u> </u>						
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride		-			·		
111984-09-9 41766-75-0	3,3'-dimethoxybenzidine hydrochloride 3,3'-dimethoxybenzidine dihydrofluoride	1						
64969-34-2	3,3'-dimethoxybenzidine dinydrofiuoride 3,3'-dichlorobenzidine sulfate	+						
	Safroles							
94-59-7	Safrole							
94-58-6	Dihydrosafrole	1						
120-58-1	Isosafrole Isoprene	1						
78-79-5	Isoprene (USA: added to TRI for RY2011)	+						
- · · ·	Methyleugenol	1						
93-15-2	Methyleugenol (added to TRI for RY2011)							
	Ethylenediaminetetraacetic acid (EDTA)				-			
60-00-4	Ethylenediaminetetraacetic acid	-						
74-89-5	Amines methylamine	1						
74-89-5 107-15-3	methylamine ethylenediamine	+						
121-44-8	Triethylamine							
124-40-3	Dimethylamine			-	-			
107-11-9 102-82-9	Allylamine / 3-amino-1-propene tributylamine	1						
±04-04-7	anoucyanimic							

Nicromethanes  Without Joseph Committee (1986) to 10 for (1900)  Wheel Committee (1986)  Wheel Comm	Pollutant		Thresholds	s, Australia	: NPI				
120.126   No. Asternity according to Mills of Mills (1992)   120.126   No. Asternity according to Mills (1992)   120.127			Chemical	Usage	Annual Emission / Transfer	Combusted: Annual	Combusted:	Use	Rating
Section 1 Section   Sectio									
	108-91-8								
		Nitromethanes							
Methyl iodde Phenolytholatin P	75-52-5								
Pencylophalain   Penc	509-14-8	·							
Promote   Prom		·							
Processor Services of the Control of	74-88-4	·							
District studies   District st		·							
Directly suffice   Directly su	//-09-8								
Dimetryl suffer dimetryl disulfed disulfed dimetryl disulfed dimetryl disulfed disulfed disulfed dimetryl disulfed disulfed dimetryl disulfed dimetryl disulfed disulfed dimetryl disulfed dimet	64-67-5	·							
Process   Comment   Comm	04-07-3	·							
	77-78-1	· · · · · · · · · · · · · · · · · · ·							
Cycloneanol Beroop perceide Beroop		·							
	624-92-0	·							
Benzing perceide		Cyclohexanol							
1945   1941	108-93-0	Cyclohexanol							
		Benzoyl peroxide							
19.00.00	94-36-0	Benzoyl peroxide							
19-91-1	80-43-3		-						
2-Mercaptobenomablasce									
193504   2-Mercaptosenochialogies	/5-91-2								
2-(morpholinotifilo) benzothizarde	140.20.4								
	149-30-4	•							
	95-32-0								
	53-32-5								
	75-55-8								
CARBONY SURFIDE	151-56-4								
Tesphthalic acid   Ethyl chloroformate									
100-21-0   Tesephthalic acid   Ethyl chloroformate	463-58-1	CARBONYL SULFIDE							
Ethyl chloroformate		Terephthalic acid							
Numbry 2-pyrolidone	100-21-0	Terephthalic acid							
N-Methyl-2-pyrrolidone		Ethyl chloroformate							
Nethyl-2-pyrrolidone	541-41-3	·							
N-vinyl-2-pyrrolidone									
Sample   S	872-50-4								
Short chair fatty acids  418-6   Formic acid  418-6   Formic acid  419-7   Acetts acid (ethanoic acid)   1   10,000    Acetophenones  828-62   Acetophenone  8232-274   2-chioracactophenone    921-0   Peracetic acid (ethanoic acid)   1   10,000    Peracetic acid (ethanoic acid (ethanoic acid)   1   10,000    Peracetic acid (ethanoic acid (ethanoic acid)   1   10,000    Peracetic acid (ethanoic acid	00.13.0								
### ### ### ### ### ### ### ### ### ##	88-12-0								
### Acetic and (ethanola acid)  ### Acetophenones ### Acetophenone ### Ace	64-18-6								
Acetophenone  88-62 Acetophenone  532-27-4 2-chloroacetophenone  Peracetic add  99-21-0 Peracetic add (Peracetic add (Inditional Statististististististististististististist			1	10.000					
38.85 2. Acetophenone Peracetic acid Peracetic acid Peracetic acid (Peracetic acid (and its salts)) Alkaloids  87.92-10 Peracetic acid (Peracetic acid (and its salts)) Alkaloids  87.97-33 Brucine Peracetic acid (Peracetic acid (and its salts)) Alkaloids  87.97-34 Brucine Peracetic acid (Peracetic acid (and its salts)) Peracetic acid (Peracetic acid (Peracetic acid (and its salts)) Peracetic acid (Peracetic acid (Peracetic acid (and its salts)) Peracetic acid (Peracetic acid	-			-,					
Peracetic acid (Peracetic acid (And its salts))  Alkaloids  S75-57-3 Brucine  CLC105 strychnine and salts  2-Nitropropane  Nethyl tert-butyl ether  Diethanolamine  Diethanolamine  Diethanolamine (and its salts) (Cdn / Diethanolamine (USA)  Diethanolamine (and its salts) (Cdn / Diethanolamine (USA)  Diethanolamine (and its salts) (Cdn / Diethanolamine (USA)  Diethyl (ithibitocarbamates)  Diethyl (ithibitocarbamates)  Diethyl (Ithibitocarbamate)  Di	98-86-2								
Peracetic acid (Peracetic acid (and its salts))	532-27-4	2-chloroacetophenone							
Alkaloids S75-73 Brucine CC-105 strychnine and salts Z-Nitropropane Methyl tert-butyl ether  1634-04-4 Methyl tert-butyl ether Diethanolamine 111-42-2 Diethanolamine 111-42-2 Diethanolamine 111-42-2 Diethanolamine (usa) Diethyldithiocarbamates Sodium Dimethyldithiocarbamate 128-04-1 Sodium Dimethyldithiocarbamate 128-04-1 Sodium Dimethyldithiocarbamate 128-04-1 Sodium Dimethyldithiocarbamate 128-04-1 Sodium Dimethyldithiocarbamate 127-41-7 Potassium N-methyldithiocarbamate 127-41-7 Total organic carbon (TOC) (as total C or COD/3) Active substances of plant protection products or biocidal products Alachlor S1972-60-8 Alachlor (2-chloro-2',6'-diethy-N-(methoxymethylacetanliide) Diuron 330-54-1 Diuron (8-3,4-dichlorophenyl-3,1-dimethylureal / DCNU Trizaine compounds 1912-24-9 Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine) 1922-24-9 Simazine (2-chloro-4-ethylamino)-6-methylthio-1,3,5-triazine 1932-29-8 Triffuralin (p.g.qtrifluorro-2,6-dinitro-N,N-dipropyl-p-toluidine) 1932-80-8 Triffuralin (p.g.qtrifluorro-2,6-dinitro-N,N-dipropyl-p-toluidine) 1938-60-8 S-amino-4-chloro-2-phenylypyridazin-3(2H)-one metrifluozin 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one metamiphos									
SZ-SY-3   Brucine	79-21-0								
LCL105 strythnine and salts  2-Nitropropane  Methyl tert-butyl ether  1634-04-4 Methyl tert-butyl ether  1634-04-4 Methyl tert-butyl ether  Diethanolamine  Diethanolamine  111-42-2 Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)  Dimethyldithiocarbamates  128-04-1 Sodium Dimethyldithiocarbamate  128-04-1 Sodium Dimethyldithiocarbamate  137-41-7 Potassium N-methyldithiocarbamate  137-41-7 Potassium N-methyldithiocarbamate  137-41-7 Total organic carbon (TOC) (as total C or COD/3)  Active substances of plant protection products or biocidal products  Alachlor  15972-60-8 Alachlor  15972-60-8 Alachlor-2/,6-diethy-N-(methoxymethyl)acetanilide)  Diuron  303-54-1 Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU  Trizaine compounds  1912-24-9 Atraine (2-chloro-4-(bhylamino-6-isoproyphamino-1,3,5-triazine)  1034-70-0 2,4,6-trichioro-1,3,5-triazine  1034-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  1058-60-8 Samino-4-chloro-2-phenylpyrldazin-3(2H)-one  metribuzin  1039-65-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one  metribuzin  1039-65-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one  fenamilphos									
2-Nitropropane									
Methyl tert-butyl ether	LCL-105								
Methyl tert-butyl ether    1634-04-4	79-46-9								
Diethanolamine   Die	73-40-3								
Diethanolamine   Diet	1634-04-4								
Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)									
Dimethyldithiocarbamates  128-04-1 Sodium Dimethyldithiocarbamate  128-03-0 Potassium Dimethyldithiocarbamate  137-41-7 Potassium N-methyldithiocarbamate  137-41-7 Potassium N-methyldithiocarbamate  137-41-7 Total organic carbon (TOC) (as total C or COD/3)  Active substances of plant protection products or biocidal products  Alachlor  15972-60-8 Alachlor (2-chloro-2',6'-diethy-N-{methoxymethyl})acetanilide)  Diuron  330-54-1 Diuron (3-{3.4-dichlorophenyl}-1,1-dimethylurea) / DCMU  Triazine compounds  1912-24-9 Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)  1018-77-0 2,4,6-trichloro-1,3,5-triazine  1018-77-0 3; simezine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)  1018-79-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin (a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine) chloridazon  1698-60-8 5-mino-4-chloro-2-phenylpyridazin-3(2H)-one metribuzin  21039-03-metribyl-6-phenyl-1,2,4-triazin-5(4H)-one metamitron  metamitron  metamitron  fenamiphos	111-42-2								
128-03-0   Potassium Dimethyldithiocarbamate		Dimethyldithiocarbamates							
137-41-7 Potassium N-methyldithiocarbamate (Ct-106 water-soluble salts of dimethyldithiocarbamic acid TOC  CLCL-107 Total organic carbon (TOC) (as total C or COD/3)  Active substances of plant protection products or biocidal products  Alachlor  15972-6-08 Alachlor (2-chloro-2',6'-diethy-N-{methoxymethyl}acetanilide)  Diuron  330-54-1 Diuron (3-{3,4-dichlorophenyl}-1,1-dimethylurea) / DCMU  Triazine compounds  1912-24-9 Atrazine (2-chloro-4-6thylamino)-6-isopropylamino-1,3,5-triazine)  108-7-0 2,4,6-trichloro-4,5-bis(ethylamino)-6-methylthio-1,3,5-triazine  1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)  chloridazon  1698-60-8 S-amino-4-chloro-2-phenylpyridazin-3(2H)-one  metamitron  11394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one  metamitron  11394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one  fenamiphos	128-04-1								
CCL-106 water-soluble salts of dimethyldithiocarbamic acid TOC  CCL-107 Total organic carbon (TOC) (as total C or COD/3)  Active substances of plant protection products or biocidal products  Alachlor  15972-60-8 Alachlor (2-chloro-2²,6¹-diethy-N-{methoxymethyl})acetanilide)  Diuron  330-54-1 Diuron (3-{3,4-dichlorophenyl}-1,1-dimethylurea) / DCMU  Triazine compounds  1912-24-9 Atrazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)  122-34-9 Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)  1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin  1582-09-8 Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)  chloridazon  1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one  metribuzin  metamitron  41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one  metamitron  41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one  fenamiphos	128-03-0	,							
TOC  LCL-107 Total organic carbon (TOC) (as total C or COD/3)  Active substances of plant protection products or biocidal products  Alachlor  15972-60-8 Alachlor  Diuron  303-54-1 Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU  Triazine compounds  1912-24-9 Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)  1018-77-0 2,4,6-trichloro-1,3,5-triazine  1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Triffuralin (a,a,c-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)  chloridazon  1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one  metribuzin  11394-05-2 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one  metamitron  11394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one  fenamiphos									
Active substances of plant protection products or biocidal products  Alachlor  Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)  Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU  Triazine compounds  1912-24-9 Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)  1022-34-9 Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)  1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)  chloridazon  1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one  metribuzin  141394-05-2 4-amino-6-tert-butyl-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one metamitron  41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos	LOE 100								
Active substances of plant protection products or biocidal products  Alachlor  15972-60-8 Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)  Diuron  300-54-1 Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU  Triazine compounds  1912-24-9 Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)  122-34-9 Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)  1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  1582-09-8 Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)  chloridazon  1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one  metribuzin  21087-64-9 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one  metamitron  41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos	LCL-107		-						
Alachlor  15972-60-8 Alachlor (2-chloro-2',6'-diethy-N-{methoxymethyl})acetanilide)  Diuron  330-54-1 Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU  Triazine compounds  1912-24-9 Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)  122-34-9 Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)  108-77-0 2,4,6-trichloro-1,3,5-triazine  1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin  1582-09-8 Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)  chloridazon  1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one  metribuzin  21087-64-9 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one  metamitron  41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one  fenamiphos									
Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)  Diuron  330-54-1 Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU  Triazine compounds  1912-24-9 Atrazine (2-chloro-4,6-bls(ethylamino)-1,3,5-triazine) 102-34-9 Simazine (2-chloro-4,6-bls(ethylamino)-1,3,5-triazine) 108-77-0 2,4,6-trichloro-1,3,5-triazine 1014-70-6 simetryn (2,4-bls(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin 1582-09-8 Trifluralin (a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine) chloridazon 1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one metribuzin 21087-64-9 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one metamitron 41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos									
Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU  Triazine compounds  1912-24-9 Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine) 122-34-9 Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) 108-77-0 2,4,6-trichloro-1,3,5-triazine 1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin 1582-09-8 Trifluralin (a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine) chloridazon  1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one metribuzin 10187-64-9 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one metamitron  41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos	15972-60-8								
330-54-1 Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU  Triazine compounds  912-24-9 Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine) 122-34-9 Simazine (2-chloro-4,6-bls(ethylamino)-1,3,5-triazine) 108-77-0 2,4,6-trichloro-1,3,5-triazine 1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin 1582-09-8 Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine) chloridazon 1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one metribuzin 21087-64-9 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one metamitron 41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos									
1912-24-9 Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine) 122-34-9 Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) 108-77-0 2,4,6-trichloro-1,3,5-triazine 1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine	330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU							
122-34-9 Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) 108-77-0 2,4,6-trichloro-1,3,5-triazine 1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine		Triazine compounds							
108-77-0 2,4,6-trichloro-1,3,5-triazine 1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine Trifluralin 1582-09-8 Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine ) chloridazon 1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one metribuzin 21087-64-9 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one metamitron 41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos	1912-24-9						· · · · · · · · · · · · · · · · · · ·		
1014-70-6 simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin  1582-09-8 Trifluralin (a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine ) chloridazon  1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one metribuzin  21087-64-9 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one metamitron  41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos									
Trifluralin  1582-09-8 Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine ) chloridazon  1698-60-8 5-amino-4-chloro-2-phenylpyridazin-3(2H)-one metribuzin  21087-64-9 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one metamitron  41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos									
1582-09-8   Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine )   Chloridazon   C	1014-70-6								
chloridazon           1698-60-8         5-amino-4-chloro-2-phenylpyridazin-3(2H)-one           metribuzin	1582-09-8								
1698-60-8     5-amino-4-chloro-2-phenylpyridazin-3(2H)-one       metribuzin     21087-64-9       4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one       metamitron       41394-05-2     4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one       fenamiphos	1302 03-0								
metribuzin 21087-64-9 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one metamitron 41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos	1698-60-8								
21087-64-9     4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one       metamitron     41394-05-2       4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one       fenamiphos									
metamitron 41394-05-2 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one fenamiphos	21087-64-9								
fenamiphos									
	41394-05-2						<del>-</del>	-	_
		fenamiphos							

Pollutant		Thresholds	s, Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate bifenazate							
149877-41-8	flutolanii							
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide iminoctadine							
13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine butamifos							
36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate  EPN							
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate alanycarb							
83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate  fosthiazate							
98886-44-3	Osethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate mancozeb							
8018-01-7	$complex\ compounds\ of\ manganese\ N,N'-ethylene bis (dithiocarbamate) and zinc\ N,N'-ethylene bis (dithiocarbamate)$							
85-00-7	diquat dibromide 1,1'-ethylene-2,2'-bipyridinium dibromide							
	etofenprox							
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether mixture of emamectinB1a benzoate and emamectinB1b benzoate							
155569-91-8	emamectin benzoate							
129558-76-5	tolfenpyrad 4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide							
79622-59-6	fluazinam 3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine							
51218-49-6	pretilachlor 2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide							
7085-19-0	mecoprop (RS)-2-(4-chloro-o-tolyloxy)propionic acid indanofan							
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione							
158237-07-1	fentrazamide 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide							
78587-05-0	hexythiazox (4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide							
107534-96-3	tebuconazole (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol							
114369-43-6	fenbuconazole (RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile							
99485-76-4	cumyluron 1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea diclocymet							
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide							
66841-25-6	tralomethrin (S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate							
57966-95-7	cymoxanil trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea							
15263-53-3	cartap 1,3-dicarbamoylthio-2-{N,N-dimethylamino}-propane iprodione							
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide							
112281-77-3	tetraconazole (RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2- tetrafluoroethyl ether oxaziclomefone							
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one							
71561-11-0	pyrazoxyfen 2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone							
58011-68-0	pyrazolynate 4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate							
	dithianon							
3347-22-6 50512-35-1	2,3-dicyano-1,4-dithiaanthraquinone isoprothiolane diisopropyl 1,3-dithiolan-2-ylidenemalonate							
20312-33-1	carbosulfan							

Pollutant		Thresholds	s, Australia	: NPI				
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55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate  thiocyclam							
31895-21-3	5-dimethylamino-1,2,3-trithiane benfuracarb							
82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate							
3861-47-0	ioxynil octanoate 3,5-diiodo-4-octanoyloxybenzonitrile							
27355-22-2	phthalide 4,5,6,7-tetrachloroisobenzofuran-1(3H)-one							
79538-32-2	tefluthrin  2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate							
95465-99-9	cadusafos S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate							
33403-33-3	buprofezin							
69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one tebufenozide							
112410-23-8	M-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide diafenthiuron							
80060-09-9	1-tert-Butyl-3-{2,6-diisopropyl-4-phenoxyphenyl)thiourea  fenpyroximate							
134098-61-6	tert-butyl 4-{{{[(1,3-dimethyl-5-phenoxy-4- pyrazolyl)methylidene]aminooxy}methyl)benzoate							
96489-71-3	pyridaben 2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone butachlor							
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide  ferimzone							
89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone indoxacarb							
173584-44-6	$methyl\ (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl] {\it trifluoromethoxyphenyl} {\it carbamoyl} [indeno[1,2-e][1,3,4] {\it oxadiazine-4a-carboxylate}$							
131860-33-8	azoxystrobin methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3- methoxyacrylate							
144-54-7	Carbam N-methyldithiocarbamic acid							
23135-22-0	oxamyl           methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate							
136191-64-5	pyriminobac-methyl methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-							
55814-41-0	(methoxyimino)ethyl]benzoate  mepronil  2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide							
	methomyl							
16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate trifloxystrobin							
141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3- (trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate							
143390-89-0	kresoxim-methyl methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate							
13684-63-4	phenmedipham 3-methoxycarbonylaminophenyl 3'-methylcarbanilate pyributicarb							
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate							
470-90-8	Chlorfenvinphos Chlorenvinphos Chlorenvinphos							
5598-13-0	Chlorpyrifos Chlorpyrifos methyl [0,0-Dimethyl-O-(3,5,6-trichloro-2-width) popularityl popularityl							
2921-88-2	pyridyl)phosphorothioate] Chlorpyrifos Endosulphan							
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide							
608-73-1	Hexachlorocyclohexane 1,2,3,4,5, 6-hexachlorocyclohexane (HCH)							
465-73-6	Isodrin							
34123-59-6	Isoproturon Isoproturon							
94-75-7	2,4-D 2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA							
2702-72-9	2,4-D sodium salt 2,4-D seters							
94-80-4	2,4-D butyl ester							
01928-43-4 94-11-1	2,4-D 2-ethylhexyl ester 2,4-D isopropyl ester							
01929-73-3 1320-18-9	2,4-D butoxyethyl ester 2,4-D propylene glycol butyl ether ester							

Pollutant		Thresholds, Australia: NPI								
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53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester									
120-36-5	<b>2,4-DP 2,4-DP</b>									
120-30-3	2,4-DB									
94-82-6	2,4-DB									
	Dicofol									
115-32-2	Dicofol [Benzenemethanol, 4-chloroalpha4-(chlorophenyl)alpha									
	(trichloromethyl)-] Glyoxal									
107-22-2	Glyoxal									
107 22 2	Methoxone									
94-74-6	Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA									
3653-48-3	Methoxone sodium salt									
22050 50 5	Pronamide  Pronamido (2 E dichloro N (1.1 dimethyl 2 propynyl)hogramido)									
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)  Pendimethalin									
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)  Amitrole									
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole )									
	Naled									
300-76-5	Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)  Quintozene									
82-68-8	Quintozene (pentachloronitrobenzene)	<del>                                     </del>								
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea )	<b>-</b>								
JJU-JJ=2	Diazinon	<b>†</b>								
333-41-5	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate)									
F22 74 4	Dazomet									
533-74-4 53404-60-7	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine ) Dazomet, sodium salt									
33404 00 7	Trichlorfon									
52-68-6	Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate )									
	Benomyl									
17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-									
	benzimidazolyl]carbamate) Thiobencarb									
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)									
	Amitraz									
33089-61-1	Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene )									
700.00.0	Propanil  Describited dishlars and dishlars									
709-98-8	Propanil (3',4'-dichloropropionanilide)  Sulprofos									
25.400.42.2	Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl									
35400-43-2	phosphorodithioate)									
	Profenofos									
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)									
	Permethrin									
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-									
32043-33-1	dimethylcyclopropanecarboxylate)									
	Quizalofop-ethyl									
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2- quinoxalinyloxy)phenoxy]propionate)									
	Dichlorvos / DDVP									
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate)				_					
	Chloropicrin									
76-06-2	Carbarul / NAC	<del>                                     </del>								
63-25-2	Carbaryl / NAC Carbaryl (1-naphthyl N-methylcarbamate)	1								
	Chlorothalonil									
1897-45-6	Chlorothalonil (tetrachloroisophthalonitrile)				_					
	Paraquat dichloride / paraquat									
1910-42-5	Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)  fenitrothion / MEP	<del>                                     </del>								
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)									
	Fenthion	<b>†</b>								
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)									
JJ-30-9		ļ								
2212-67-1	Molinate  Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)									
ZZ1Z-0/-1	Propargite / BPPS									
2312-35-8	Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )	<b>†</b>								
	Chinomethionat									
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)									
F2 05 -	Famphur									
52-85-7	Famphur Tobuthiuron	<del>                                     </del>								
34014-18-1	Tebuthiuron Tebuthiuron	1								
01 / 10 1	Sethoxydim									
74051-80-2	Sethoxydim									
	Thiodicarb									
59669-26-0	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-	<u> </u>	_	_		_	_	_		
	tetraazapentadeca-3,12-diene-6,10-dione									

Pollutant	Thresholds, Australia: NPI									
CAS Number	Pollutant Name	Chemical	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)		
93-65-2	Mecoprop Mecoprop									
33 03 Z	Aldicarb									
116-06-3	Aldicarb									
122.05.2	Captan									
133-06-2	Captan Folpet									
133-07-3	Folpet									
	Chloramben									
133-90-4	Chloramben Ferbam									
14484-64-1	Ferbam									
	Parathion									
56-38-2 298-00-0	Parathion Methylparathion									
298-00-0	Pirimiphos methyl									
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O- dimethyl phosphorothioate									
25267 20 5	Diflubenzuron									
35367-38-5	Diflubenzuron  Metham sodium									
137-42-8	Metham sodium									
	Fenpropathrin		-		-	-	-			
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3- tetramethylcyclopropanecarboxylate									
	Hydramethylnon									
67485-29-4	Hydramethylnon									
74754	Abamectin									
71751-41-2	Abamectin  Lactofen									
77501-63-4	Lactofen									
	Nabam									
142-59-6	Nabam									
148-79-8	Thiabendazole Thiabendazole									
140-75-8	Merphos									
150-50-5	Merphos									
150.69.5	Monuron									
150-68-5	Monuron Methoxychlor									
72-43-5	Methoxychlor									
	Tetramethrin									
7696-12-0	$\label{thm:condition} Tetramethrin / \ cyclohex - 1 - ene - 1, 2 - dicarboximido methyl \ (1RS) - cis - trans-2, 2 - dimethyl - 3 - (2 - methyl prop - 1 - enyl) \ (cyclopropanecarboxylate)$									
	Resmethrin									
10453-86-8	Resmethrin									
13194-48-4	Ethoprop Ethoprop									
	Oxydemeton methyl									
301-12-2	Oxydemeton methyl									
13684-56-5	<b>Desmedipham</b> Desmedipham									
13084-30-3	Oryzalin									
19044-88-3	Oryzalin									
	Bromacil									
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine- 2,4-dione									
53404-19-6	Bromacil, lithium salt									
22781 22 2	Bendiocarb  Rendiocarb	-								
22781-23-3	Bendiocarb Phenothrin									
26002-80-2	Phenothrin									
20044 (2.2	Triforine	1								
26644-46-2	Triforine Propetamphos									
31218-83-4	Propetamphos									
	Imazalil						_			
35554-44-0	Imazalil Triadimeter	1								
43121-43-3	Triadimefon Triadimefon									
	Triclopyr									
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)				·					
57213-69-1	Triclopyr triethylammonium salt  Propiconazole									
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole									
C0250 27 -	Cyfluthrin									
68359-37-5	Cyfluthrin Fluazifop butyl									
69806-50-4	Fluazifop butyl									
	Fenoxycarb							-		
72490-01-8	Fenoxycarb	100								

Pollutant		Thresholds	s, Australia:	: NPI				
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	Chlorobenzilate							
510-15-6	Chlorobenzilate							
82657-04-3	Bifenthrin Bifenthrin							
02037 04 3	Terbacil							
5902-51-2	Terbacil							
	Mevinphos							
7786-34-7	Mevinphos							
	Metiram							
9006-42-2	Metiram Ametryn							
834-12-8	Ametryn							
05 1 12 0	Diphenamid							
957-51-7	Diphenamid							
	Pebulate							
1114-71-2	Pebulate							
1134-23-2	Cycloate Cycloate							
1134-23-2	Methazole							
20354-26-1	Methazole							
	Cyanazine							
21725-46-2	Cyanazine		-			· · · · · · · · · · · · · · · · · · ·		
25244 =:	Isofenphos							
25311-71-1	Isofenphos Norflurazon							
27314-13-2	Norflurazon Norflurazon							
27514 15 2	Bromoxynil							
1689-84-5	Bromoxynil							
1689-99-2	Bromoxynil octanoate							
	Nitrofen							
1836-75-5	Nitrofen							
38727-55-8	Diethatyl ethyl Diethatyl ethyl							
30727 33 0	Benfluralin							
1861-40-1	Benfluralin							
	Dinocap							
39300-45-3	Dinocap							
12071 02 2	Oxyfluorfen							
42874-03-3	Oxyfluorfen Dicamba							
1918-00-9	Dicamba							
1982-69-0	Sodium dicamba							
2300-66-5	Dimethylamine dicamba							
50471-44-8	Vinclozolin Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione							
	Picloram							
1918-02-1	Picloram							
1010 16 7	Propachlor							
1918-16-7	Propachlor Hexazinone							
51235-04-2	Hexazinone							
	Diclofop methyl							
51338-27-3	Diclofop methyl							
	Nitrapyrin							
1929-82-4	Nitrapyrin							
55290-64-7	Dimethipin Dimethipin							
55250-04°/	Methiocarb							
2032-65-7	Methiocarb							
	Fenarimol					· <del></del>		
60168-88-9	Fenarimol							
62476 50 0	Acifluorfen, sodium salt							
62476-59-9	Acifluorfen, sodium salt  Chlorsulfuron							
64902-72-3	Chlorsulfuron							
	Dipotassium endothall							
2164-07-0	Dipotassium endothall							
	Fenoxaprop ethyl							
66441-23-4	Fenoxaprop ethyl							
2164-17-2	Fluometuron							
-107 1/-Z	Cyhalothrin							
68085-85-8	Cyhalothrin							
	Fluvalinate							
69409-94-5	Fluvalinate							
72470 02 0	Fomesafen							
72178-02-0	Fomesafen Allate							
2303-16-4	Diallate							
2303-17-5	Triallate							
	Anilazine							
101-05-3	Anilazine		_				_	
	Myclobutanil	I						

Pollutant		Threshold	s, Australia	: NPI				
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88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1- ylmethyl)hexanenitrile  Dodine							
2439-10-3	Dodine							
00002 22 4	Chlorimuron ethyl							
90982-32-4	Chlorimuron ethyl Tribenuron methyl							
101200-48-0	Tribenuron methyl							
2202.05.0	Temephos							
3383-96-8	Temephos Fenvalerate							
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate)							
114-26-1	Propoxur Propoxur (2-isopropoxyphenyl N-methylcarbamate)							
	Malathion / malathon							
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)  Dimethoate							
60-51-5	Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)							
	Hexachlorophene							
70-30-4	Hexachlorophene							
556-61-6	Methyl isothiocyanate  Methyl isothiocyanate							
550-01-0	Thiophanate  Thiophanate							
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)							
23564-06-9	Thiophanate ethyl							
	Cyhalofop / cyhalofop-butyl							
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate							
298-04-4	Disulfuton / ethylthiometon  O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate							
	Fenothiocarb							
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate  Halosulfuron-Methyl							
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-							
100784-20-1	methylpyrazole-4-carboxylate							
96-12-8	Fumazone 1,2-dibromo3-chloropropane							
	Difenoconazole							
119446-68-3	1-{{2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole  Prothiofos							
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate							
	Dichlorophene							
97-23-4	Dichlorophene  Bromol							
118-79-6	2,4,6-tribromophenol							
	Prometryn							
7287-19-6	Prometryn  Dichloran							
99-30-9	Dichloran							
	Maneb  Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] /							
12427-38-2	manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)  Methidathion / DMTP							
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate							
961-11-5	Tetrachlorvinphos Tetrachlorvinphos							
	Isoxathion							
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate		<del></del>				<del></del>	
26087-47-8	Kitazin P / iprobenfos / IBP S-benzyl O,O-diisopropyl phosphorothioate							
	dichlobenil / DBN							
1194-65-6	2,6-dichlorobenzonitrile	<u> </u>	<del></del> _				<del></del> _	
17109-49-8	Edifenphos / EDDP  O-ethyl S,S-diphenyl phosphorodithioate							
-	Pyraclofos							
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate							
19666-30-9	Oxidiazon Oxidiazon / 5-tert-butyl-3-{2,4-dichloro-5-isopropoxyphenyl}-1,3,4-oxadiazol-2(3H)-one							
20566 12	Acephate							
30560-19-1	Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate  Metacide 38							
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile							
E1210 4E 2	Metolachlor							
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide  3-iodo-2-propynyl butylcarbamate							
55406-53-6	3-iodo-2-propynyl butylcarbamate							
73250-68-7	Mefenacet 2-(2-benzothiazolyloxy)-N-methylacetanilide							
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74115-24-5	Clofentezine 3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine							
7 1213 2 1 3	Phosalone							
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate  Carbofuran							
	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-							
1563-66-2	methylcarbamate							
	Phenthoate / PAP							
2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate  Tebufenpyrad							
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide							
	Cafenstrole							
125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1- carboxamide  Fipronil							
120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4- [(trifluoromethyl)sulfinyl]pyrazole							
	Isoprocarb / MIPC							
2631-40-5	2-isopropylphenyl N-methylcarbamate	ļ						·
2655-15-4	Landrin 2,3,5-trimethylphenyl methylcarbamate	-						
1 10 /	2,4-D chlorocrotyl ester							
2971-38-2	2,4-D chlorocrotyl ester							
2766 01 2	Fenobucarb / BPMC							
3766-81-2	2-sec-butylphenyl N-methylcarbamate  D-trans-allethrin							
28057-48-9	D-trans-allethrin							
	Dowicil 200							
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride  N-nitrosomethylvinylamine							
4549-40-0	N-nitrosomethylvinylamine							
	Carboxin							
5234-68-4	Carboxin Thiram							
137-26-8	Thiram (tetramethylthiuram disulfide)							
	Sodium fluoroacetate							
62-74-8	Sodium fluoroacetate							
57-57-8	Beta-propiolactone Beta-propiolactone							
	Dipropyl isocinchomeronate							
136-45-8	Dipropyl isocinchomeronate							
Colors and dy	C.I. Fluorescent 260							
4.0000.00.4	disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-							
16090-02-1	ylamino)benzenesulfonate] 5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide							
3618-72-2	S'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide							
	C.I. Food Red							
3761-53-3	C.I. Food Red 5							
81-88-9	C.I. Food Red 15 C.I. Solvent Yellow							
60-09-3	C.I. Solvent Yellow 3 / 4-aminoazobenzene							
97-56-3 492-80-8	C.I. Solvent Yellow 3 C.I. Solvent Yellow 34							
842-07-9	C.I. Solvent Yellow 34 C.I. Solvent Yellow 14							
	C.I. Basic Green							
569-64-2	C.I. Basic Green 4 C.I. Vat Yellow							
128-66-5	C.I. Vat Yellow 4							
	C.I. Basic Red			•				
989-38-8	C.I. Basic Red 1 C.I. Direct Black							
1937-37-7	C.I. Direct Black C.I. Direct Black 38	-						
	C.I. Direct Blue			_	_			
2602-46-2 28407-37-6	C.I. Direct Blue 6 C.I. Direct Blue 218							
20707-37-0	C.I. Disperse Yellow							
2832-40-8	C.I. Disperse Yellow 3							
3118-97-6	C.I. Solvent Orange							
2110-3/-0	C.I. Solvent Orange 7 C.I. Acid Green	-						
4680-78-8	C.I. Acid Green 3							
	C.I. Acid Red							
6459-94-5	C.I. Acid Red 114 C.I. Direct Brown							
16071-86-6	C.I. Direct Brown 95							
	Trypan blue							
72-57-1	Trypan blue							
Active pharma	aceutical ingredient (API) Fluorouracil							
51-21-8	Fluorouracil							
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Pollutant		Thresholds	s, Australia	: NPI				
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	disulfiram							
97-77-8	tetraethylthiuram disulfide / disulfiram  Nicotine							
LCL-108	Nicotine and salts							
	Phenytoin							
57-41-0	Phenytoin							
57-33-0	Pentobarbital sodium Pentobarbital sodium							
37-33-0	Tetracycline hydrochloride							
64-75-5	Tetracycline hydrochloride							
	Triaziquone							
68-76-8	Triaziquone Warfarin							
LCL-109	Warfarin and salts							
Non-grouped	organic substances							
75-08-1	ethanethiol							
25103-58-6 420-04-2	tert-dodecanethiol cyanamide							
17796-82-6	N-(cyclohexylthio)phthalimide							
4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide							
505-32-8 112-57-2	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol 3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine							
112-24-3	triethylenetetramine	1						
99-76-3	methyl 4-hydroxybenzoate						·	
103-90-2 941-69-5	N-(4-hydroxyphenyl)acetamide N-phenylmaleimide	<del> </del>						
2426-08-6	n-butyl-2,3-epoxypropyl ether							
25013-16-5	butylhydroxyanisole / BHA	<u> </u>						
LCL-110 674-82-8	water-soluble salts of peroxodisulfuric acid 4-methylideneoxetan-2-one							
3268-49-3	3-methylthiopropanal							
110-91-8	morpholine							
78-42-2 1330-78-5	tris(2-ethylhexyl) phosphate tritolyl phosphate							
115-86-6	triphenyl phosphate							
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride							
100-97-0	1,3,5,7-tetra azatricyclo [3.3.1.13.7] decane  /  hexamethylen etetramine							
100-37-8	2-(diethylamino)ethanol							
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol							
78-67-1 541-53-7	2,2'-azobisisobutyronitrile 2,4-Dithiobiuret							
53-96-3	2-acetylaminofluorene							
141-43-5	2-aminoethanol							
75-86-5 101-80-4	2-methyllactonitrile / acetone cyanohydrin 4,4'-Diaminodiphenyl ether							
101-61-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine							
92-67-1	4-aminobiphenyl							
60-11-7 92-93-3	4-dimethylaminoazobenzene 4-nitrobiphenyl							
100-40-3	4-vinyl-1-cyclohexene							
60-35-5	Acetamide							
134-32-7 55-21-0	alpha-naphthylamine Benzamide							
91-59-8	beta-naphthylamine							
111-44-4	Bis(2-chloroethyl) ether							
542-88-1 107-30-2	Bis(chloromethyl)ether Chloromethyl methyl ether	<del> </del>						
115-10-6	Dimethylether							
123-86-4 LCL-111	Butyl acetate:n- Dihydronapthalene (all isomers)	<b> </b>						
7379-12-6	Methyl-3-hexanone,2-	1						
27133-93-3	Methylindan (all isomers)							
103-71-9 420-56-4	Phenyl isocyanate Trimethylfluorosilane	-						
135-20-6	Cupferron							
132-64-9	Dibenzofuran							
101-90-6 138-93-2	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene Disodium cyanodithioimidocarbonate	1						
759-94-4	Ethyl dipropylthiocarbamate							
112-02-7	hexadecyltrimethylammonium chloride						_	
124-09-4 680-31-9	hexamethylenediamine Hexamethylphosphoramide	<del> </del>						
	Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting	1						
74-93-1	requirements currently suspended)	1						
109-77-3 79-22-1	Malononitrile Methyl chlorocarbonate	1						
624-83-9	Methyl isocyanate							
95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide			-			-	
1643-20-5 924-42-5	N,N-dimethyldodecylamine N-oxide N-Methylolacrylamide	1						
55-18-5	N-nitrosodiethylamine							
62-75-9	N-nitrosodimethylamine							
924-16-3 621-64-7	N-nitrosodi-N-butylamine N-nitrosodi-N-propylamine	1						
59-89-2	N-nitrosomorpholine							
759-73-9	N-nitroso-N-ethylurea							
684-93-5 16543-55-8	N-nitroso-N-methylurea N-nitrosonornicotine	-						
100-75-4	N-nitrosoniperidine	1						
		110						

Pollutant		Thresholds	s, Australia	: NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
104-12-1	P-chlorophenyl isocyanate							
110-85-0	Piperazine							
51-03-6	Piperonyl butoxide							
1120-71-4	Propane sultone							
78-48-8	S,S,S-tributyltrithiophosphate							
81-07-2	Saccharin (Manufacturing, no supplier notification)							
132-27-4	Sodium O-phenylphenoxide							
11070-44-3	Tetrahydromethylphthalic anhydride							
62-55-5	Thioacetamide							
79-19-6	Thiosemicarbazide							
126-73-8	tri-n-butyl phosphate							
115-96-8	Tris(2-chloroethyl) phosphate			•				
51-79-6	Urethane							
105-60-2	ε-caprolactam			·			·	

Pollutant		Threshold	s, Canada: NPR	l				
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
Persistent Org	ganic Pollutants (POPs)							
309-00-2	Pesticides Aldrin							
57-74-9	Chlordane							
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane							
60-57-1	Dieldrin							
72-20-8 76-44-8	Endrin Heptachlor							
2385-85-5	Mirex							
8001-35-2	Toxaphene							
319-84-6	alpha-hexachlorocyclohexane							
319-85-7 58-89-9	beta-hexachlorocyclohexane Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-							
30 03 3	,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)							
143-50-0	Chlordecone							
608-93-5	Pentachlorobenzene							
118-74-1	Industrial chemicals Hexachlorobenzene (HCB)	3			<b>✓</b>			
1336-36-3	Polychlorinated biphenyls (PCBs)	3			•			
	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated							
36355-01-8	Biphenyls (PBBs)							
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl							
	ether) 2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl							
207122-15-4	ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial							
207422.46.5	octabromodiphenyl ether) 2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as							
207122-16-5	Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)  Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and							
5436-43-1	pentabromodiphenyl ether (commercial pentabromodiphenyl ether) Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and							
60348-60-9 LCL-1	pentabromodiphenyl ether (commercial pentabromodiphenyl ether) Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl							
LCL-1	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)  Polychlorinated dioxins and furans							
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))							
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term "dioxins". Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.							
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
55673-89-7	L2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
35822-46-9	Category  1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
70648-26-9	L2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds	3			✓			
57117-44-9	category  1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
60851-34-5	Category  2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) /  USA: listed in TRI as member of dioxin and dioxin-like compounds  category	3			✓			
39227-28-6	Category  1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
19408-74-3	category  1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			

Pollutant		Thresholds	s, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
Metals	category							
	Antimony and its compounds							
7440-36-0	Antimony							
LCL-4 LCL-5	Antimony Compounds Antimony and its compounds	1A	10,000				1.0%	
	Arsenic and its compounds		,					
7440-38-2	Arsenic							
LCL-6 LCL-7	Arsenic Compounds Arsenic and its compounds / Arsenic and compounds (as As)	1B	50				0.1%	
LCL-8	Boron and its compounds  Boron & compounds / boron and its compounds / Jpn: Boron compounds	IB.	30				0.176	
10294-34-5								
7637-07-2	Boron trifluoride Boron trifluoride	1A	10,000				1.0%	
	Cadmium and its compounds		,,,,,,,					
7440-43-9	Cadmium							
LCL-9 LCL-10	Cadmium Compounds  Cadmium and its compounds / Cadmium and compounds (as Cd)	1B	5				0.1%	
10	Chromium and its compounds	15	<u> </u>				0.170	
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical							
7440-47-3	forms) Chromium							
	Chromium Compounds (except chromite ore mined in the Transvaal							
LCL-12	region)							
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)	1A	10,000				1.0%	
LCL-14	Chromium III compounds / chromium and chromium(III) compounds							
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)  Cobalt and its compounds	1B	50				0.1%	
7440-48-4	Cobalt							
LCL-16	Cobalt Compounds	4.0	40.000				4.00/	
LCL-17	Cobalt and its compounds  Copper and its compounds	1A	10,000				1.0%	
7440-50-8	Copper							
LCL-18	Copper Compounds							
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper salts (water-soluble, except complex salts))	1A	10,000				1.0%	
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")  Lead and its compounds							
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)							
LCL-20 LCL-21	Lead Compounds Lead and its compounds / Lead and compounds as (Pb)							
LCL-22	Lead and its compounds except tetraethyl lead	1B	50				0.1%	
78-00-2	Tetraethyl lead (USA: included as "lead compound")	1B	50				0.1%	
7439-96-5	Manganese and its compounds  Manganese							
LCL-23	Manganese Compounds							
LCL-24	Manganese and its compounds	1A	10,000		·		1.0%	
7439-97-6	Mercury and its compounds Mercury							
LCL-25	Mercury Compounds							
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	1B	5				0%	
7440-02-0	Nickel and its compounds Nickel							
LCL-27	Nickel Compounds							
LCL-28	Nickel and its compounds / Nickel and compounds (as Ni)	1A	10,000		·		1.0%	
12035-72-2 13463-39-3	Nickel subsulfide (USA and Canada: included as "nickel compound")  Nickel carbonyl (USA and Canada: included as "nickel compound")							
	Selenium and its compounds							
7782-49-2	Selenium							
LCL-29 LCL-30	Selenium Compounds Selenium and its compounds	1B	100				0.000005%	
-52 55	Zinc and its compounds	10	100				0.00000076	
7440-66-6	Zinc (fume or dust)							
LCL-31	Zinc Compounds Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds							
LCL-32	(water-soluble) (Jpn)	1A	10,000				1.0%	

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc compound") / ziram							
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]							
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb							
	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-							
64440-88-6	in, in -ethyleneois(trilocarbamoy(trilozinc) bis(n,n- dimethyldithiocarbamate) or polymer of N,N'- propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")							
	Beryllium and its compounds							
7440-41-7	Beryllium							
LCL-33 LCL-34	Beryllium Compounds Beryllium and its compounds							
ECE 34	Silver and its compounds							
7440-22-4	Silver							
LCL-35	Silver Compounds							
LCL-36	Silver and its compounds / Jpn: water-soluble compounds	1A	10,000				1.0%	
7440-62-2	Vanadium and its compounds Vanadium (except when contained in an alloy)	1A	10,000				1.0%	
LCL-37	Vanadium compounds	1/4	10,000				1.076	
	Aluminum and compounds							
7429-90-5	Aluminum (fume or dust)	1A	10,000	•		_	1.0%	_
1344-28-1	Aluminum oxide (fibrous forms)	1A	10,000				1.0%	
20859-73-8	Aluminum phosphide  Barium and its compounds	1						
7440-39-3	Barium and its compounds Barium	<del>                                     </del>						
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)							
LCL-39	Indium and its compounds Indium and its compounds							
LCL-39	Iron and its compounds							
7705-08-0	ferric chloride							
13463-40-6	Iron pentacarbonyl	1A	10,000				1.0%	
	Lithium and its compounds							
554-13-2	Lithium carbonate	1A	10,000				1.0%	
1309-48-4	Magnesium and its compounds  Magnesium oxide fume							
1309-46-4	Molybdenum and its compounds							
LCL-40	Molybdenum and its compounds							
1313-27-5	Molybdenum trioxide	1A	10,000				1.0%	
	Osmium and its compounds							
20816-12-0	Osmium tetroxide							
7440-28-0	Thallium and its compounds Thallium							
LCL-41	Thallium Compounds							
	Titanium tetrachloride							
7550-45-0	Titanium tetrachloride	1A	10,000				1.0%	
	Zirconium							
	zirconium dichloride oxide							
Inorganic sub	Asbestos							
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)	1A	10,000				1.0%	
	Cyanides (as total CN)							
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	1A	10,000				1.0%	
74-90-8	Hydrogen cyanide	1A	10,000				1.0%	
	Fluorides (as total F)							
LCL-43 LCL-44	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts Fluoride compounds							
7664-39-3	Hydrogen fluoride	1A	10,000				1.0%	
7681-49-4	Sodium fluoride	1A	10,000				1.0%	
7789-75-5	Calcium fluoride	1A	10,000				1.0%	
LCL-45	Phosphorus (total)							
LCL-45 LCL-46	Phosphorus (total) Phosphorus (total, excluding yellow or white phosphorus)	1A	10,000				1.0%	
7723-14-0	Phosphorus (yellow, white)	1A	10,000				1.0%	
LCL-47	<b>Nitrate</b> Nitrate Compounds (water dissociable; reportable only when in aqueous							
	solution)	4.0	10.000				4.00/	
T697-37-2	nitrate ion in solution at ph >= 6.0  Nitric Acid	1A 1A	10,000 10,000				1.0% 1.0%	
. 03. 37 2	Particulate matter	1/4	10,000				1.0/6	
I CI -40	PM - Total Particulate Matter (Canada: Particulate matter with a diameter	4				20.000		
LCL-49	less than 100 micrometres)					20,000		
LCL-50 LCL-51	PM10 - Particulate matter PM2.5 - Particulate Matter <= 2.5 Microns	4				500 300		
LCL-J1	Sulfate	-				300		
7664-93-9	Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)	1A	10,000				1.0%	
	Chloride (as CI-)							
LCL-52	Chlorides (as total Cl)	<b>†</b>						
	Nitrite							
	· · · · · · · · · · · · · · · · · · ·							

Pollutant		Thresholds	s, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
7632-00-0	Sodium nitrite	1A	10,000	(kg/year)			1.0%	
07758-01-2	Potassium bromate Potassium bromate	1A	10,000				1.0%	
7664-38-2	Phosphoric acid Phosphoric acid							
26628-22-8	Sodium azide Sodium azide							
1314-20-1	Thorium dioxide Thorium dioxide	1A	10,000				1.0%	
	Total Nitrogen	IA	10,000				1.076	
LCL-53	Total Sulphur							
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and methyl mercaptan, expressed as hydrogen sulphide)	1A	10,000				1.0%	
Chlorinated a	nd brominated organic substances							
107-06-2	Chlorinated ethanes and propanes  1,2-Dichloroethane	1A	10,000				1.0%	
75-00-3	Chloroethane	1A	10,000				1.0%	
79-00-5 71-55-6	1,1,2-Trichloroethane 1,1,1-trichloroethane	1A	10,000				1.0%	
79-34-5	1,1,2,2-Tetrachloroethane	1A	10,000				1.0%	
630-20-6 75-34-3	1,1,1,2-Tetrachloroethane Ethylidene dichloride (1,1-Dichloroethane)	1A	10,000				1.0%	
76-01-7	Pentachloroethane	1A	10,000				1.0%	
67-72-1	Hexachloroethane	1A	10,000		·		1.0%	
78-87-5 96-18-4	1,2-Dichloropropane 1,2,3-Trichloropropane	1A	10,000				1.0%	
	Chlorinated ethenes and propenes							
75-01-4 79-01-6	Vinyl chloride (Chloroethylene) Trichloroethylene	1A 1A	10,000 10,000				1.0% 1.0%	
127-18-4	Tetrachloroethylene	1A	10,000				1.0%	
75-35-4	Vinylidene chloride (1,1-dichloroethylene)	1A	10,000				1.0%	
107-05-1 563-47-3	Allyl chloride (3-chloropropene) 3-Chloro-2-methyl-1-propene	1A 1A	10,000 10,000				1.0% 1.0%	
156-59-2	cis-1,2-dichloroethylene							
540-59-0 542-75-6	1,3-Dichloropropylene / D-D							
78-88-6	2,3-dichloropropene							
10061-02-6	trans-1,3-dichloropropene  Chlorinated methanes							
75-09-2	Dichloromethane / methylene dichloride	1A	10,000				1.0%	
67-66-3	Trichloromethane / Chloroform	1A	10,000				1.0%	
56-23-5 74-87-3	Tetrachloromethane / Carbon tetrachloride Chloromethane / methyl chloride	1A 1A	10,000 10,000				1.0% 1.0%	
	Chlorobenzenes							
108-90-7 95-50-1	Chlorobenzene o-Dichlorobenzene; 1,2-Dichlorobenzene	1A 1A	10,000 10,000				1.0% 1.0%	
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene	1A	10,000				1.0%	
541-73-1	1,3-Dichlorobenzene							
25321-22-6 12002-48-1	Dichlorobenzene (mixed isomers) Trichlorobenzenes							
120-82-1	1,2,4-Trichlorobenzene	1A	10,000				1.0%	
1163-19-5	Brominated diphenylethers (PBDE)  Decabromodiphenyl ether	1A	10,000				1.0%	
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)	IA	10,000				1.070	
85535-84-8	Short Chain Chlorinated Paraffins (SCCPs) Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes,	1A	10,000				1.0%	
LCL-56	C10-13, chloro Alkanes, C6-18, chloro (attention: short chain: only <c14!)< td=""><td>1A</td><td>10,000</td><td></td><td></td><td></td><td>1.0%</td><td></td></c14!)<>	1A	10,000				1.0%	
-52.55	Brominated VOC	1/4	10,000				1.0/0	
75-25-2	Bromoform (Tribromomethane)							
74-95-3 124-48-1	Methylene bromide dibromochloromethane							
75-27-4	Dichlorobromomethane / bromodichloromethane							
106-93-4 107-04-0	1,2-Dibromoethane 1-Bromo-2-chloroethane	1A	10,000				1.0%	
106-94-5	1-bromopropane		.0,000				1.070	
75-26-3 593-60-2	2-bromopropane Vinyl bromide							
333 00-2	Chlorinated toluenes and phenols							
95-57-8	o-chlorophenol							
106-48-9 95-73-8	p-chlorophenol 2,4-dichlorotoluene							
87-86-5	Pentachlorophenol (PCP)							
LCL-57 120-83-2	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)  2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)	1A	10,000				1.0%	
88-06-2	2,4,6-Trichlorophenol	171	10,000				1.078	
95-95-4 95-49-8	2,4,5-Trichlorophenol o-chlorotoluene							
106-43-4	p-chlorotoluene							
131-52-2	Sodium pentachlorophenate							
98-87-3 98-88-4	Benzal chloride (Benzylidene dichloride) Benzoyl chloride	1A	10,000				1.0%	
100-44-7	Benzyl chloride	1A	10,000				1.0%	
611-19-8 59-50-7	1-chloro-2-(chloromethyl)benzene 4-chloro-3-methylphenol							
98-07-7	Benzoic trichloride (Benzylidyne trichloride)							
		. —						

Pollutant		Threshold	s, Canada: NPRI					
CAS Number	Pollutant Name Chlorendic acid	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-	1A	10,000				1.0%	
113 20 0	dicarboxylic acid)  Chlorinated carboxylic acids & carboxylic acid esters	171	10,000				1.070	
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)	1A	10,000				1.0%	
76-03-9	trichloroacetic acid							
76-02-8 598-78-7	Trichloroacetyl chloride 2-chloropropionic acid							
105-39-5	ethyl chloroacetate							
	Bis(2-chloro-1-methylethyl) ether							
108-60-1	Bis(2-chloro-1-methylethyl) ether Bis(2-chloroethoxy)methane							
111-91-1	Bis(2-chloroethoxy)methane							
95-51-2	Chloroanilines o-chloroaniline							
106-47-8	p-chloroaniline							
LCL-58 LCL-59	chloroaniline dichloroaniline							
95-69-2	p-chloro-o-toluidine							
126-99-8	Chloroprene Chloroprene							
220 33-0	Chlorinated butenes							
110-57-6	Trans-1,4-dichloro-2-butene							
764-41-0	1,4-dichloro-2-butene Chloronaphthalenes							
1335-87-1	Hexachloronaphthalene							
2234-13-1	Octachloronaphthalene 3-Chloropropionitrile							
542-76-7	3-Chloropropionitrile	1A	10,000				1.0%	
79-44-7	Dimethylcarbamyl chloride Dimethylcarbamyl chloride							
79-44-7	Dimethyl chlorothiophosphate							
2524-03-0	Dimethyl chlorothiophosphate							
	2,2-dibromo-2-cyanoacetamide							
10222-01-2	2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)							
LCL-60	Halogenated organic compounds Halogenated organic compounds (as AOX)							
	Hexachlorobutadiene (HCBD)							
87-68-3	Hexachlorobutadiene (HCBD)  Hexachlorocyclopentadiene							
77-47-4	Hexachlorocyclopentadiene	1A	10,000				1.0%	
594-42-3	Perchloromethyl mercaptan Perchloromethyl mercaptan							
334-42-3	2,2-bis(Bromomethyl)-1,3-propanediol							
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)							
LCL-61	Polybrominated biphenyls (PBBs) Polybrominated biphenyls							
	Tetrabromobisphenol A (TBBPA)							
79-94-7	Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate							
126-72-7	Tris(2,3-dibromoproyl)phosphate							
75.02.5	Vinyl Fluoride Vinyl Fluoride (added to TRI for BY2011)							
75-02-5	Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene							
116-14-3	Tetrafluoroethylene (USA: added to TRI for RY2011)							
Ozone depleti	ng substances  Hydrochlorofluorocarbons (HCFCs)							
	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances							
	including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000							
LCL-62	on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1).							
	Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))							
75-43-4	HCFC-21, Dichlorofluoromethane							
75-45-6 354-14-3	HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane	1A	10,000				1.0%	
354-11-0	HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane				•			
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)	1A	10,000				1.0%	
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)	1A	10,000				1.0%	
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
812-04-4	HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7) Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-							
90454-18-5	87-7)	1						

Pollutant		Threshold	s, Canada: NPRI					
CAS Number	Pollutant Name  Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
63938-10-3	Chiorotetranuoroethane / Can: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0	1A	10,000				1.0%	
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)							
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)							
1649-08-7 75-88-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b 2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)							
1717-00-6	HCFC-141b / 1,1-dichloro-1-fluoroethane	1A	10,000				1.0%	
75-68-3	HCFC-141b / 1-chloro-1,1-difluoroethane	1A	10,000				1.0%	
127564-92-5	Dichloropentafluoropropane	1/	10,000				1.076	
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)							
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane							
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane							
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane							
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane							
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane							
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane							
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane	<u> </u>						
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane							
431-07-2	Chloroffuoroethane (HCFC-133)							
LCL-63	Chlorofluorocarbon (CFCs) Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No							
	2037/2000)							
75-69-4	CFC-11, Trichlorofluoromethane	1A	10,000				1.0%	
75-71-8	CFC-12, Dichlorodifluoromethane CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-	1A	10,000				1.0%	
76-13-1								
76-14-2	1,2,2,-trifluoro-] CFC-114, Dichlorotetrafluoroethane	1A	10,000				1.0%	
76-14-2	CFC-114, Dichlorotetralidoroethane	1A	10,000				1.0%	
75-72-9	CFC-13, Chlorotrifluoromethane	1A	10,000				1.0%	
LCL-64	CFC-112, Tetrachlorodifluoroethane		10,000				11070	
	Halons							
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)		40.000				4.004	
353-59-3	Halon 1211, Bromochlorodifluoromethane	1A	10,000				1.0%	
75-63-8 124-73-2	Halon 1301, Bromotrifluoromethane Dibromotetrafluoroethane (Halon 2402)	1A	10,000				1.0%	
74-83-9	Bromomethane (Methyl bromide)	1A	10,000				1.0%	
Greenhouse g			,					
Greennouse g	Carbon dioxide (CO2)							
	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts							
	are published annually by the Australian Government. The national							
	inventory forms the foundation for Australia's efforts to address climate							
	change. By identifying and reporting emissions sources and sinks, and							
124-38-9	changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and							
	programmes, while also tracking Australia's progress towards meeting							
	international commitments. / Cdn: Greenhouse gas emissions are							
	reported to Canada's Greenhouse Gas Emissions Reporting Program							
	(GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
	Jpn: Japan has the program to mandate entities that emit considerably							
	large amount of greenhouse gases (GHGs) to account and report their							
	emissions to the government annually. The government publicizes the							
	reported data based on the Act on Promotion of Global Warming	ĺ						
	Countermeasures since 2006. In addition, the government develops							
	national greenhouse gas inventory and reports it every year to the	ĺ						
	UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The	ĺ						
	U.S. EPA's TRI Program does not collect release or other waste	ĺ						
	management quantities of GHGs. However, the U.S. EPA's Office of Air and	ĺ						
	Radiation (OAR) recently implemented regulations which requires	ĺ						
	reporting of GHG data and other relevant information from large sources	ĺ						
	and suppliers in the United States. These data and information will be	ĺ						
	made available to the public.							
	Methane (CH4)							
	Methane / Aus: The Australian National Greenhouse Gas Accounts are		<del></del>					
	published annually by the Australian Government. The national inventory	ĺ						
	forms the foundation for Australia's efforts to address climate change. By							
	identifying and reporting emissions sources and sinks, and changes in	ĺ						
74.02.0	these over time, the inventory provides information fundamental to the	ĺ						
74-82-8	development of domestic mitigation policies and programmes, while also	ĺ						
	tracking Australia's progress towards meeting international commitments.	ĺ						
	/ Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse	ĺ						
	Gas Emissions Reporting Program (GHGRP), a complementary program to	ĺ						
	the NPRI, Canada's PRTR. /							
		•						

			B.1				
Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
Nitrous oxide (N2O)							
Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
Hydrofluorocarbons (HFCs)							
Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC1343, HFC1524, HFC143, HFC1434, HFC226a, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
Perfluorocarbons (PFCs)							
Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the							
	large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.  Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /  Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air	Jun: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicles the reported data based on the 4xt on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNTECC and the Kynto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's TRI Program does not collect release or other waste propring of GHG data and cher relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.  Nitrous oxide (NZO)  N	Use (kg/year)  Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warning.  Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every ver to the UNFCCS cercetariat under the UNFCCC and the kyoto Protocol. USA: The UNFCCS cercetariat under the UNFCCC and the kyoto Protocol. USA: The UNFCCS cercetariat under the UNFCCC and the kyoto Protocol. USA: The UNFCCS cercetariat under the UNFCCC and the kyoto Protocol. USA: The UNFCCS cercetariat under the UNFCCC and the kyoto Protocol. USA: The UNFCCS cercetariat under the UNFCCC and the kyoto Protocol. USA: The UNFCCS cercetariat under the UNFCCC and the kyoto Protocol. USA: The United States: These data and information will be made available to the public.  Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Sovernment. The national inventory forms the foundation for Australias' efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while alto tracking Australia's progress towards meeting international commitments. / Cdm. Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GMGPR), acomplementary program to the NPIN, Canada's PRITA. / June 1997. Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the program desired to the public.  Phydrofluorocarbons (HFCs)  Hydrofluorocarbons (HFCs)  Hydrofluorocarbons (HFCs), JEPRIT: Total mass of hydrogen understant under the UNFCCC Cand the kyoto Protocal. / USA: The U.S. PEA's TRI Program does	Use (kgyvear)  Week years  Week years	Jun: Japan has the program to mandatic entities that emit considerably large amount of generalizate gas gas and proportion of generalizate gas and proportion of control to the program to mandatic entities that emit considerably large amount of generalizate gas the program of the propose of the program of	Serv. Dash has Tel program to manifals entities that entri considerably large amount of provious gases (90%) to account and report their ensistants to the government annuality to account and report their ensistants to the government annuality to account and report their ensistants to the government annuality and reports a tevery year to the USE COLUMNIA COLUMNI	June Sages has the program to sender entire that entire considerably large entors of green tous green (GlGs) so account and report beer entors of the state of the Act on Plymotion of Clobal Warming Counterments amusils, the generous of states of the Act on Plymotion of Clobal Warming Counterments amusils, the generous of States (Martin States) and the green of the Act on Plymotion of Clobal Warming Counterments amusils, the generous of States (Martin States) and the green of the Act on Plymotion of Clobal Warming Counterments amusing on the States of the Act of the States (All States of the Act of the Act of the States of the Act

Jan. Lapan has the program to manuface writes that emit considerably large amount of periodocal principles account and manuface for the Cut of the Cut o	Pollutant		Thresholds	, Canada: NPRI					
stage amount of generalization groups of processing and services the emotions to the generalization of the generalization of the control of t	CAS Number			Process, or Otherwise	Disposal, or Transfer for Recycling	Activity	Release	Concentration	Caveats Notes
Sulphire hearthware (ESG)  Sulphire hearthware (ESG) And The Australian Generous dis Accounts are authorise among by the Australian Conference		large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources							
Suightur handlinearie (NIG) Alex: The Australian National Groephone Gus various disvolved from the foundation for Australia's efforts is address, cleate change, by Sereinigs and expositing emissions source and since, and changes in these ever time, the investing process information (Australia's efforts) is address, and Changes in these ever time, the investing process and programment to the development of domastic melapologic policies and programment to the development of domastic melapologic policies and programment of the programment of the programment of domastic melapologic policies and programment of the prog		made available to the public.							
Jam. Japan has the program to mandate entities that entit considerably large amount of greenhouse gaies (GHG) to secure and report their entities that entit considerably large amount of greenhouse gaies (GHG) to secure and report their entities that the government amounts by the government develops national greenhouse gain entities of the Hard Count termination	2551-62-4	Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are							
U.S. EAY's TRI Program does not collect release or other waste management quantities of GHG. However, the U.S. EPA's Office of Air and Radiation (DAR) (ocently implemented regulations which requires reporting of GHG data and other relevant efformation from large sources and suppliers in the United Safes. These data and information will be made available to the public.    Animonia (Mills) (EPATE) / Armonia ((includes anhydrous ammonia and available to the public.		(GHGRP), a complementary program to the NPRI, Canada's PRTR. /  Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming  Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the							
Ammonia (NH S) (FPRTN   Ammonia ((Includes anthydrous ammonia and aqueous ammonia (PAT S) (Includes anthydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sisting (USA)   1.0%		U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be							
Ammonia (MR3) (E-PRR) / Ammonia ((includes anhydrous ammonia and augusts ammonia from water dissoulable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this issuing (USA)   1.0%	Other gases	Ammonia							
Chlorine and inorganic compounds (as HCI)   1.0%	7664-41-7	aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this							
Chlorine & compounds / Chlorine and inorganic compounds (as HCI)	.CL-68 7782-50-5	Chlorine and inorganic compounds (as HCI)							
Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)   1A   10,000   1.0%				10,000				11070	
Section   Sect	647-01-0		1A	10,000				1.0%	
1.0%   1.0%	75-21-8	Ethylene oxide	1A	10,000				1.0%	
Carbon monoxide   4   20,000	726-95-6	Bromine	1A	10,000				1.0%	
Fluorine and inorganic compounds (as HF)   Fluorine		Carbon monoxide		10,000				1.0%	
CL-70   Fluorine and inorganic compounds (as HF)   Hydrogen sulfide   Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)   1A   10,000   1.0%		Fluorine and inorganic compounds (as HF)		10.000			20,000	1.0%	
Nitrogen oxides   10,000   1	CL-70	Fluorine and inorganic compounds (as HF)	IA	10,000				1.070	
Sulphur oxides (SOx/SO2)           0025-88-4         Sulphur oxides (SOx/SO2) / Sulfur dioxide         4         20,000           water-soluble salts of bromic acid           CL-71         water-soluble salts of bromic acid         1A         10,000         1.0%           Hydrocarbons (gases)           4-485-1         Ethylene         1A         10,000         1.0%           4-486-2         Acetylene         5         1000^A           4-498-6         Propane         5         1000^A           1:5-07-1         Propylene         1A         10,000         1.0%           Ct-72         Butane (all isomers)         5         1000^A           1:5167-67-3         Butene (all isomers)         5         1000^A           Mustard         005-60-2         Mustard Gas           1:1-75-2         Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]         5         Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]	783-06-4	suspended)	1A	10,000				1.0%	
Water-soluble salts of bromic acid   1A   10,000   1.0%     Hydrocarbons (gases)	1104-93-1		4				20,000		
Hydrocarbons (gases)		water-soluble salts of bromic acid					20,000		
24-86-2   Acetylene	CL-71	Hydrocarbons (gases)							
15-07-1   Propylene	74-86-2	Acetylene	5	10,000					
CL-72     Butane (all isomers)     5     1000A       :5167-67-3     Butene (all isomers)     5     1000A       Mustard       :05-60-2     Mustard Gas       :1-75-2     Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]       Diazomethane				10.000			1000 <sup>A</sup>		
Mustard  i05-60-2 Mustard Gas  i1-75-2 Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]  Diazomethane	.CL-72	Butane (all isomers)	5	10,000					
1-75-2 Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]  Diazomethane	25167-67-3	Mustard	5				1000 <sup>A</sup>		
	51-75-2	Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]							
S TO S SINCE MININE	34-88-3								

Pollutant		Thresholds	s, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
10028-15-6	Ozone							
2699-79-8	Sulfuryl fluoride Sulfuryl fluoride							
2033-73-8	Phosphine							
7803-51-2	Phosphine							
Polycyclic aro	matic hydrocarbons (PAHs)							
	Polycyclic aromatic hydrocarbons (PAHs)							
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq)							
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)							
LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the NPRI substance list.							
56-55-3	Benzo(a) anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
205-99-2	Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
205-82-3	Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
206-44-0	Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
189-55-9	Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
218-01-9	Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
50-32-8	Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
226-36-8	Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
224-42-0	Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
53-70-3	Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
194-59-2	7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
191-30-0	Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
57-97-6	7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
193-39-5	Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
56-49-5	3-Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
3697-24-3	5-Methylchrysene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
5522-43-0	1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
42397-64-8	1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
42397-65-9	1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)							
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							pe que
8001-58-9 120-12-7	Creosote Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals	5 1A	10,000			1000 <sup>A</sup>	1.0%	Facilities usir
191-24-2	intentionally used and therefore listed individually) Benzo(g,h,i)perylene	2	.0,000	50			1.070	
91-20-3	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	1A	10,000	30			1.0%	
LCL-76	intentionally used and therefore listed individually) methylnaphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)							
83-32-9	acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	2		50				
85-01-8	Phenanthrene	2		50				
192-97-2	Benzo(e)pyrene	2		50				
198-55-0	Perylene	2		50	· <u></u>			
129-00-0 208-96-8	Pyrene Acenaphthylene - PAH	2		50 50				
86-73-7	Fluorene - PAH	2		50				
Other organic								
	Acetonitrile						· <del></del>	
75-05-8	Acetonitrile	1A	10,000		· <u></u>		1.0%	
107.03.9	Acrolein	4.0	40.000				4.001	
107-02-8	Acrylamid Acrylamid	1A	10,000				1.0%	
	rior your mu	100						

Pollutant		Thresholds	s, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
79-06-1	Acrylamid	1A	10,000				1.0%	
70.40.7	Acrylic and methacrylic acid	4.0	40.000				4.00/	
79-10-7 79-41-4	Acrylic acid / acrylic acid and its water-soluble salts (Jpn) methacrylic acid	1A	10,000				1.0%	
75-41-4	Acrylic and methacrylic acid esters							
818-61-1	2-hydroxyethyl acrylate							
13048-33-4	hexamethylene diacrylate							
80-62-6	Methyl methacrylate	1A	10,000				1.0%	
96-33-3	Methyl acrylate	1A	10,000				1.0%	
140-88-5 97-88-1	Ethyl acrylate n-butyl methacrylate	1A	10,000				1.0%	
105-16-8	2-(diethylamino)ethyl methacrylate							
106-91-2	2,3-epoxypropyl methacrylate							
688-84-6	2-ethylhexyl methacrylate							
2867-47-2 141-32-2	2-(dimethylamino)ethyl methacrylate	1A	10,000				1.0%	
2439-35-2	Butyl acrylate 2-(dimethylamino)ethyl acrylate	IA	10,000				1.0%	
2133 33 2	Acrylonitrile and methacrylonitrile							
107-13-1	Acrylonitrile	1A	10,000				1.0%	
126-98-7	Methacrylonitrile							
	Aldehydes							
75-07-0	Acetaldehyde	1A	10,000				1.0%	
78-84-2	Isobutyraldehyde Salicylaldehyde	1A	10,000				1.0%	
90-02-8 100-52-7	Salicylaldehyde Benzaldehyde							
111-30-8	Glutaraldehyde							
123-38-6	Propionaldehyde	1A	10,000				1.0%	
123-63-7	Paraldehyde	1A	10,000				1.0%	
123-72-8	Butyraldehyde	1A	10,000				1.0%	
4170-30-3	Crotonaldehyde / 2-butenal Anilines	1A	10,000				1.0%	
62-53-3	Aniline	1A	10,000				1.0%	
LCL-77	toluidine	171	10,000				1.070	
95-53-4	o-toluidine							
636-21-5	o-toluidine hydrochloride							
95-68-1	2,4-dimethylaniline							
87-62-7 121-69-7	2,6-dimethylaniline / 2,6-Xylidine N,N-Dimethylaniline (and its salts)	1A	10,000				1.0%	
101-77-9	4,4'-methylenedianiline	1A	10,000				1.0%	
120-71-8	p-cresidine (2-methoxy-5-methylaniline)		,					
134-29-2	O-Anisidine hydrochloride							
123-30-8	p-aminophenol							
591-27-5 25376-45-8	m-aminophenol Diaminotoluene (mixed isomers) / toluenediamine (Jpn)							
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)	1A	10,000				1.0%	
139-65-1	4,4'-Thiodianiline							
90-04-0	o-anisidine							
104-94-9 615-05-4	p-anisidine 2,4-diaminoanisole							
39156-41-7	2,4-diaminoanisole 2,4-diaminoanisole sulfate							
	Biphenyl							
92-52-4	Biphenyl (1,1-biphenyl)	1A	10,000				1.0%	
	C3-Benzenes							
95-63-6	1,2,4-Trimethylbenzene	1A	10,000				1.0%	
108-67-8 25551-13-7	1,3,5-trimethylbenzene Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)	5				1000 <sup>A</sup>		
98-82-8	Cumene (1-methylethylbenzene)	1A	10,000			1000	1.0%	
30 02 0	Hydrocarbons (liquids)		10,000				1.070	
110-54-3	n-Hexane	1A	10,000				1.0%	
110-82-7	Cyclohexane	1A	10,000				1.0%	-
LCL-78	Pentane (all isomers)	5 5				1000 <sup>A</sup>		
LCL-79 LCL-80	Pentene (all isomers) Hexane (all isomers excluding n-hexane)	5				1000 <sup>A</sup>		
25264-93-1	Hexane (all isomers)	5				1000 <sup>A</sup>		
LCL-81	Heptane (all isomers)	5				1000 <sup>A</sup>		
LCL-82	Octane (all isomers)	5				1000 <sup>A</sup>		
LCL-83	Nonane (all isomers)	5				1000A		
LCL-84 LCL-85	Decane (all isomers)  Dodecane (all isomers)	5				1000 <sup>A</sup>		
8052-41-3	Stoddard solvent	5				1000 <sup>A</sup>		
64475-85-0	Mineral spirits	5				1000 <sup>A</sup>		
64741-65-7	Heavy alkylate naphtha	5				1000 <sup>A</sup>		-
64742-47-8 64742-48-9	Hydrotreated light distillate	5				1000 <sup>A</sup>		
64742-48-9	Hydrotreated heavy naphtha Solvent naphtha medium aliphatic	5 5				1000 <sup>A</sup>		
64742-89-8	Solvent naphtha light aliphatic	5				1000 <sup>A</sup>		
64742-94-5	Heavy aromatic solvent naphtha	5			_	1000 <sup>A</sup>		
64742-95-6	Light aromatic solvent naphtha	5	·			1000 <sup>A</sup>		
8030-30-6 8032-32-4	Naphtha NAA 8 B paphtha	5				1000A		
01137-37-4	VM & P naphtha White mineral oil	5 5				1000 <sup>A</sup>		
		5				1000 <sup>A</sup>		
8042-47-5 LCL-86	Cycloheptane (all isomers)							
8042-47-5 LCL-86 LCL-87	Cyclohexene (all isomers)	5				1000 <sup>A</sup>		
8042-47-5 LCL-86	Cyclohexene (all isomers) Cyclooctane (all isomers)					1000 <sup>A</sup>		
8042-47-5 LCL-86 LCL-87	Cyclohexene (all isomers) Cyclooctane (all isomers) BTEX	5						
8042-47-5 LCL-86 LCL-87	Cyclohexene (all isomers) Cyclooctane (all isomers)	5	10,000					

Pollutant		Thresholds	s, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1A	10,000				1.0%	
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1A	10,000				1.0%	
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1A	10,000				1.0%	
95-47-6 106-42-3	o-xylene p-xylene							
108-38-3	m-xylene							
	1,3-Butadiene							
106-99-0	1,3-Butadiene Carbon disulfide	1A	10,000				1.0%	
75-15-0	Carbon disulfide / Carbon disulphide	1A	10,000				1.0%	
	Diisocyanates							
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)  1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as	1A	10,000				1.0%	
5124-30-1	Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)	1A	10,000				1.0%	
4098-71-9	Isophorone diisocyanate (USA: specified as Diisocyanates) / 3- isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn)	1A	10,000				1.0%	
9016-87-9	Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)	1A	10,000				1.0%	
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)	1A	10,000				1.0%	
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)	1A	10,000				1.0%	
822-06-0	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)							
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)							
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)							
2556-36-7 134190-37-7	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)  Diethyldiisocyanatobenzene (USA: specified as Diisocyanates)							
4128-73-8	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)							
75790-87-3	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)							
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as Diisocyanates)							
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as Diisocyanates)							
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as Diisocyanates)  4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as							
75790-84-0	Diisocyanates)  1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-							
3173-72-6	naphthalenediyl diisocyanate (Jpn)							
123-61-5 104-49-4	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates) 1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)							
LCL-89								
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)							
584-84-9	Toluenediisocyanates Toluene-2,4-diisocyanate	1A	10,000				1.0%	
91-08-7	Toluene-2,6-diisocyanate	1A	10,000				1.0%	
26471-62-5	Toluenediisocyanate (mixed isomers) / tolylene diisocyanate	1A	10,000				1.0%	
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	1A	10,000				1.0%	
110-00-3	Methoxyethanol  Methoxyethanol	1/4	10,000				1.0%	
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	1A	10,000				1.0%	
50-00-0	Formaldehyde Formaldehyde	1A	10,000				1.0%	
30-00*0	Glycol ethers	IA	10,000				1.0%	
LCL-90	certain glycol ethers							
112-34-5 112-25-4	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)  Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)	5 5				1000 <sup>A</sup>		
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)	5				10004		
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain	1A	10,000				1.0%	
111-76-2	glycol ethers)  2-Butoxyethanol (USA: incl. in certain glycol ethers)	1A	10,000				1.0%	
111-76-2	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)	1A	10,000				1.0%	
108-65-6	Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)	5				1000 <sup>A</sup>		
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)	1A	10,000				1.0%	
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)	5				1000 <sup>A</sup>		
	4,4'-methylenebis[2-chloroaniline] 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-							
101-14-4	diaminodiphenylmethane (Jpn)	1A	10,000				1.0%	
101.00	Organotin compounds (as total Sn)							
LCL-91 LCL-92	Organotin compounds (as total Sn) / organic tin compounds (Jpn)  Tributyltin and compounds							
56-35-9	Bis(tributyltin) oxide							
1983-10-4	Tributyltin fluoride							
2155-70-6 LCL-93	Tributyltin methacrylate Triphenyltin and compounds							
639-58-7	Triphenyltin chloride							
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide	1						

Pollutant		Thresholds	s, Canada: NPRI					
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76-87-9	Triphenyltin hydroxide Phenols							
I.C. 04	Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted							
LCL-94	phenols)							
108-95-2 1319-77-3	Phenol Cresol / USA: Cresol (mixed isomers)	1A 1A	10,000 10,000				1.0% 1.0%	
95-48-7	o-cresol	IA.	10,000				1.070	
106-44-5	p-cresol							
108-39-4 1300-71-6	m-cresol	1A	10,000				1.0%	
576-26-1	Dimethyl phenol 2,6-xylenol (2,6-Dimethylphenol)	IA.	10,000				1.0%	
105-67-9	2,4-Dimethylphenol / 2,4-xylenol							
128-37-0	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol	1A	10,000				1.0%	
96-76-4 89-72-5	2,4-di-tert-butylphenol o-sec-butylphenol							
98-54-4	4-tert-butylphenol							
88-60-8	2-tert-butyl-5-methylphenol							
90-43-7 108-98-5	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA) Thiophenol	1A	10,000				1.0%	
106-96-5	Phthalates							
447.04.7		4.0	40.000				4.00/	
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	1A	10,000				1.0%	
84-74-2	Dibutyl phthalate	1A	10,000				1.0%	
85-68-7 117-84-0	Butyl benzyl phthalate Di-n-octyl phthalate	1A 1A	10,000 10,000				1.0% 1.0%	
84-66-2	Diethyl phthalate	1A	10,000				1.0%	
120-61-6	Dimethyl terephthalate							
131-11-3 131-17-9	Dimethyl phthalate diallyl phthalate	1A	10,000				1.0%	
131-17-9	Styrenes							
100-42-5	Styrene	1A	10,000				1.0%	
96-09-3	Styrene oxide, phenyloxirane	1A	10,000				1.0%	
98-83-9 29082-74-4	α-methylstyrene							
29082-74-4	Octachlorostyrene Aromatic nitro compounds							
51-28-5	2,4-dinitrophenol							
88-75-5	2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol)							
100-02-7	p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol	1A	10,000				1.0%	
534-52-1	(USA) 4,6-dinitro-o-cresol	1A	10,000				1.0%	
88-72-2	o-nitrotoluene		10,000				1.070	
121-14-2	2,4-Dinitrotoluene	1A	10,000				1.0%	
606-20-2 25321-14-6	2,6-Dinitrotoluene Dinitrotoluene (mixed isomers)	1A 1A	10,000 10,000				1.0% 1.0%	
88-74-4	o-nitroaniline	IA	10,000				1.0%	
100-01-6	p-Nitroaniline	1A	10,000				1.0%	
99-54-7	1,2-dichloro-4-nitrobenzene							
89-61-2 97-00-7	1,4-dichloro-2-nitrobenzene 1-chloro-2,4-dinitrobenzene							
121-87-9	2-chloro-4-nitroaniline							
88-73-3	2-chloronitrobenzene							
98-95-3 99-65-0	Nitrobenzene m-Dinitrobenzene	1A	10,000				1.0%	
100-25-4	p-Dinitrobenzene							
528-29-0	o-Dinitrobenzene							
99-55-8	5-nitro-o-toluidine							
100-00-5 88-85-7	p-nitrochlorobenzene Dinitrobutyl phenol (Dinoseb)							
88-89-1	Picric acid (2,4,6-trinitrophenol )							
99-59-2	5-nitro-o-anisidine							
91-23-6	o-Nitroanisole (added to TRI for RY2011)  Bisphenol A							
80-05-7	4,4'-isopropylidenediphenol / bisphenol A	1A	10,000				1.0%	
	1,2-Butylene oxide		. 5,000				,0	
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane	1A	10,000			_	1.0%	_
456.62.7	Calcium cyanamide	4.4	40.000					
156-62-7	Calcium cyanamide  Catechol	1A	10,000				1.0%	
120-80-9	Catechol / pyrocatechol	1A	10,000				1.0%	
	Cumene hydroperoxide		. 5,000				,0	
80-15-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide	1A	10,000				1.0%	
422.00	Cyclic ethers							
123-91-1 109-99-9	1,4-Dioxane Tetrahydrofuran	1A 5	10,000			1000 <sup>A</sup>	1.0%	
_33 33 3	Dicyclopentadiene					1000		
77-73-6	Dicyclopentadiene	1A	10,000				1.0%	
	Diphenylamine		· · · · · · · · · · · · · · · · · · ·				·	
122-39-4	Diphenylamine	1A	10,000				1.0%	
106-80 9	Epichlorohydrin Epichlorohydrin	4.0	10.000				4.00/	
106-89-8	Epichlorohydrin Epoxy compounds	1A	10,000				1.0%	
75-56-9	Propylene oxide (1,2-epoxypropane)	1A	10,000				1.0%	
106-92-3	1-allyloxy-2,3-epoxypropane							
122-60-1	2,3-epoxypropyl phenyl ether							
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)							
1464-53-5	Diepoxybutane							
2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione		· · · · · · · · · · · · · · · · · · ·			-	· · · · · · · · · · · · · · · · · · ·	
	Ethylene glycol	I						

Pollutant		Threshold	s, Canada: NPRI					
CAS Number	Pollutant Name  Ethylene glycol	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
	Ethylene thiourea	17.	10,000				1.070	
	Ethylene thiourea (2-imidazolidinethione)	1A	10,000				1.0%	
	Hydrazines							
	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)	1A	10,000				1.0%	
	Hydrazine sulfate 1,1-Dimethyl hydrazine							
	Methyl hydrazine							
	phenylhydrazine							
	1,2-Diphenylhydrazine							
	Ketone solvents Acetone							
	Methyl isobutyl ketone	1A	10,000				1.0%	
	Methyl ethyl ketone	1A	10,000				1.0%	
	Ethyl butyl ketone							
	Maleic anhydride Maleic anhydride	1A	10,000				1.0%	
	N,N-Dimethylformamide	1/4	10,000				1.076	
	N,N-Dimethylformamide	1A	10,000				1.0%	
	Nitroglycerin		,					
	Nitroglycerin	1A	10,000				1.0%	
	Nitrilotriacetic acid							
	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)  Nonylphenol	1A	10,000				1.0%	
I CI -95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and	1A	10.000				1.0%	
	its ethoxylates	IA.	10,000				1.070	
	Nonylphenol Octylphenol							
	Octylphenols and Octylphenols ethoxylates / Octylphenol and its							
	ethoxylates	1A	10,000				1.0%	
	p-octylphenol							
	poly(oxyethylene) octylphenyl ether  Phenylenediamines							
	phenylenediamine							
	o-phenylenediamine (1,2-Phenylenediamine)							
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)	1A	10,000				1.0%	
	m-phenylenediamine (1,3-Phenylenediamine)	.,,	. 0,000				1.070	
	1,2-phenylenediamine dihydrochloride							
	1,4-phenylenediamine dihydrochloride							
	Phthalic anhydride							
	Phthalic anhydride	1A	10,000				1.0%	
	Pyridines Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)	1A	10,000				1.0%	
	2-vinylpyridine	1/4	10,000				1.076	
	3-methylpyridine							
109-06-8	2-Methylpyridine	1A	10,000				1.0%	
04.22.5	Quinoline	4.0	10,000				4.00/	
	Quinoline (and its salts) (Cdn) / Quinoline (USA)  Quinones	1A	10,000				1.0%	
	Quinone, p-Quinone	1A	10,000				1.0%	
	Hydroquinone	1A	10,000				1.0%	
	1-AMINO-2-METHYLANTHRAQUINONE				-			
	1-amino-9,10-anthraquinone 2,3,5,6-tetrachloro-p-benzoquinone							
	2-AMINOANTHRAQUINONE							
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)							
	Anthraquinone (all isomers)	5				1000 <sup>A</sup>		
	Saturated alcohols Methanol	1A	10,000				1.0%	
64-17-5	Ethanol	5	10,000			1000 <sup>A</sup>		
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid	1A	10,000				1.0%	
	process are subject, no supplier notification)		· ·				1.0%	
	n-Butyl alcohol i-Butyl alcohol	1A 1A	10,000 10,000				1.0%	
	sec-Butyl alcohol	1A	10,000				1.0%	
	tert-Butyl alcohol	1A	10,000				1.0%	
	3,5,5-trimethyl-1-hexanol 1-nonanol / n-nonyl alcohol							
	decyl alcohol / decanol							
112-53-8	1-dodecanol / n-dodecyl alcohol							
	1-Octanol				-			
		4.0	10.000				4.00/	
	Thiourea		10,000				1.0%	
62-56-6	Thiourea	1A						
62-56-6		1A 1A	10,000				1.0%	
62-56-6 107-18-6	Thiourea Unsaturated aliphatic alcohols		10,000 10,000				1.0% 1.0%	
62-56-6 107-18-6 107-19-7	Thiourea Unsaturated aliphatic alcohols Allyl alcohol Propargyl alcohol Vinyl acetate	1A 1A	10,000				1.0%	
62-56-6 107-18-6 107-19-7 108-05-4	Thiourea Unsaturated aliphatic alcohols Allyl alcohol Propargyl alcohol Vinyl acetate Vinyl acetate	1A						
62-56-6 107-18-6 107-19-7 108-05-4	Thiourea Unsaturated aliphatic alcohols Allyl alcohol Propargyl alcohol Vinyl acetate Vinyl acetate Volatile organic compounds (VOCs)	1A 1A	10,000				1.0%	
62-56-6 107-18-6 107-19-7 108-05-4	Thiourea Unsaturated aliphatic alcohols Allyl alcohol Propargyl alcohol Vinyl acetate Vinyl acetate Volatile organic compounds (VOCs) Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the	1A 1A	10,000				1.0%	
62-56-6 107-18-6 107-19-7 108-05-4	Thiourea Unsaturated aliphatic alcohols Allyl alcohol Propargyl alcohol Vinyl acetate Vinyl acetate Volatile organic compounds (VOCs) Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999—see: http://www.ec.gc.ca/lcpe-	1A 1A	10,000			10,000	1.0%	
62-56-6 107-18-6 107-19-7 108-05-4	Thiourea Unsaturated aliphatic alcohols Allyl alcohol Propargyl alcohol Vinyl acetate Vinyl acetate Volatile organic compounds (VOCs) Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999–see: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-	1A 1A	10,000			10,000	1.0%	
62-56-6 107-18-6 107-19-7 108-05-4 LCL-99	Thiourea Unsaturated aliphatic alcohols Allyl alcohol Propargyl alcohol Vinyl acetate Vinyl acetate Volatile organic compounds (VOCs) Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999—see: http://www.ec.gc.ca/lcpe-	1A 1A 1A	10,000			10,000	1.0%	

Pollutant		Thresholds, Canada: NPRI							
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)		Air Release (kg/year)	Concentration	Caveats/ Notes	
545.05.0	1,3-dioxolane								
646-06-0	1,3-dioxolane divinylbenzene								
1321-74-0	divinylbenzene								
	diphenyl ether								
101-84-8	diphenyl ether								
LCL-102	Ethylenebisdithiocarbamic acid, salts and esters ethylenebisdithiocarbamic acid, salts and esters								
102	1,3-diphenylguanidine								
102-06-7	1,3-diphenylguanidine								
127-19-5	N,N-dimethylacetamide N,N-dimethylacetamide								
127-19-5	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine								
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine								
	hydrogenated terphenyl								
61788-32-7	hydrogenated terphenyl sodium salt of 2-sulfohexadecanoic acid 1-methyl ester								
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester								
	carbonic acids / dicarbonic acids								
334-48-5	decanoic acid	-				10004			
124-04-9 149-57-5	Adipic acid 2-ethylhexanoic acid	5				1000 <sup>A</sup>			
	sodium dodecyl sulfate								
151-21-3	sodium dodecyl sulfate			-			· · · · · · · · · · · · · · · · · · ·		
782-74-1	1,2-bis(2-chlorophenyl)hydrazine 1,2-bis(2-chlorophenyl)hydrazine								
702-74-1	Furans								
110-00-9	Furan (USA: added to TRI for RY2011)								
98-00-0	Furfuryl alcohol	5				1000 <sup>A</sup>			
86-30-6	Nitrosodiphenylamine N-Nitrosodiphenylamine	1A	10,000				1.0%		
156-10-5	P-Nitrosodiphenylamine	17.	10,000				1.070		
	Phosgene								
75-44-5	Phosgene	1A	10,000				1.0%		
68956-56-9	Terpens Terpene (all isomers)	5				1000 <sup>A</sup>			
123-35-3	Myrcene	5				1000 <sup>A</sup>			
5989-27-5 80-56-8	Limonene,D- Alpha-Pinene	5 5				1000 <sup>A</sup>			
127-91-3	Beta-Pinene	5				1000 <sup>A</sup>			
555-10-2	Beta-Phellandrene	5				1000 <sup>A</sup>			
135-19-3	betanaphthol betanaphthol								
133-19-3	benzophenone								
119-61-9	benzophenone								
	sodium poly(oxyethylene) dodecyl ether sulfate								
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)								
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)								
	poly(oxyethylene) alkyl ether (alkyl c=12-15)								
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)								
90-94-8	Michler's ketone (and its salts)  Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)	1A	10,000				1.0%		
30 34 0	Adipate	IA.	10,000				1.070		
103-23-1	Bis(2-ehtylhexyl) adipate	1A	10,000				1.0%		
444.70.6	Ethyl acetate					10001			
141-78-6	Ethyl acetate  Benzidine	5				1000 <sup>A</sup>			
92-87-5	Benzidine								
91-94-1	3,3'-dichlorobenzidine								
119-90-4 612-83-9	3,3'-dimethoxybenzidine 3,3'-Dichlorobenzidine dihydrochloride	1A	10,000				1.0%		
119-93-7	3,3'-dimethylbenzidine / o-tolidine	.,,	. 5,550						
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)								
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride								
111984-09-9	3,3'-dimethoxybenzidine hydrochloride								
41766-75-0 64969-34-2	3,3'-dimethoxybenzidine dihydrofluoride 3,3'-dichlorobenzidine sulfate								
5-303-34*Z	Safroles								
94-59-7	Safrole	1A	10,000				1.0%		
94-58-6	Dihydrosafrole	1A	10,000				1.0%		
120-58-1	Isosafrole Isoprene	IA	10,000				1.0%		
78-79-5	Isoprene (USA: added to TRI for RY2011)	1A	10,000				1.0%		
	Methyleugenol			· · · · · ·	·	·			
93-15-2	Methyleugenol (added to TRI for RY2011)								
	Ethylenediaminetetraacetic acid (EDTA)								
60-00-4	Ethylenediaminetetraacetic acid								
60-00-4	Ethylenediaminetetraacetic acid  Amines								
74-89-5	Amines methylamine								
74-89-5 107-15-3	Amines methylamine ethylenediamine	1A	10 000				1 0%		
74-89-5 107-15-3 121-44-8 124-40-3	Amines methylamine ethylenediamine Triethylamine Dimethylamine	1A 1A	10,000 10,000				1.0% 1.0%		
74-89-5 107-15-3 121-44-8	Amines methylamine ethylenediamine Triethylamine								

Pollutant		Thresholds	s, Canada: NPRI					
CAS Number	Pollutant Name  N,N-dicyclohexylamine	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
112-18-5	N,N-dimethyldodecylamine							
108-91-8	cyclohexylamine							
75 52 5	Nitromethanes							
75-52-5 509-14-8	Nitromethane (added to TRI for RY2011) Tetranitromethane (added to TRI for RY2011)	+						
303 14 0	Methyl iodide							
74-88-4	Methyl iodide	1A	10,000				1.0%	
	Phenolphthalein							
77-09-8	Phenolphthalein (added to TRI for RY2011)							
CA 67.5	Diethyl sulfate	4.0	40.000				4.00/	
64-67-5	Direthyl sulfate Dimethyl sulfate	1A	10,000				1.0%	
77-78-1	Dimethyl sulfate	1A	10,000				1.0%	
	dimethyl disulfide		-,					
624-92-0	dimethyl disulfide							
	Cyclohexanol							
108-93-0	Cyclohexanol	1A	10,000				1.0%	
94-36-0	Benzoyl peroxide Benzoyl peroxide	1A	10,000				1.0%	
94-30-0	bis(1-methyl-1-phenylethyl) peroxide	IA	10,000				1.0%	
80-43-3	bis(1-methyl-1-phenylethyl) peroxide	1						
-	tert-butyl hydroperoxide							
75-91-2	tert-butyl hydroperoxide							
	2-Mercaptobenzothiazole							
149-30-4	2-Mercaptobenzothiazole	1A	10,000				1.0%	
95-32-9	2-(morpholinodithio)benzothiazole 2-(morpholinodithio)benzothiazole	1						
JJ-34-9	z-(morpholinodithio)benzothiazole Imines							
75-55-8	Propyleneimine							
151-56-4	ethyleneimine							
	CARBONYL SULFIDE							
463-58-1	CARBONYL SULFIDE	1A	10,000				1.0%	
100-21-0	Terephthalic acid Terephthalic acid	+						
100-21-0	Ethyl chloroformate							
541-41-3	Ethyl chloroformate	1A	10,000				1.0%	
	N-Methyl-2-pyrrolidone							
872-50-4	N-Methyl-2-pyrrolidone	1A	10,000				1.0%	
	N-vinyl-2-pyrrolidone							
88-12-0	N-vinyl-2-pyrrolidone Short chain fatty acids							
64-18-6	Formic acid	1A	10,000				1.0%	
64-19-7	Acetic acid (ethanoic acid)		,					
	Acetophenones							
98-86-2	Acetophenone	1A	10,000				1.0%	
532-27-4	2-chloroacetophenone	+						
79-21-0	Peracetic acid (Peracetic acid (and its salts))	1A	10,000				1.0%	
75-21-0	Alkaloids	1/4	10,000				1.070	
357-57-3	Brucine							
LCL-105	strychnine and salts							
70.46.2	2-Nitropropane	4.0	10.00-					
79-46-9	2-Nitropropane  Mothyl tort butyl other	1A	10,000				1.0%	
1634-04-4	Methyl tert-butyl ether  Methyl tert-butyl ether	1A	10,000				1.0%	
2007 04-4	Diethanolamine	171	10,000				1.0 /0	
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)	1A	10,000				1.0%	
	Dimethyldithiocarbamates		· <del></del>			-		-
128-04-1	Sodium Dimethyldithiocarbamate	1						
128-03-0 137-41-7	Potassium Dimethyldithiocarbamate  Potassium N-methyldithiocarbamate	+						
LCL-106	water-soluble salts of dimethyldithiocarbamic acid	1						
	тос							
LCL-107	Total organic carbon (TOC) (as total C or COD/3)			_	_			
Active substar	nces of plant protection products or biocidal products							
45072 60	Alachlor							
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)  Diuron							
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU							
	Triazine compounds							
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)							
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)							
108-77-0	2,4,6-trichloro-1,3,5-triazine							
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin							
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine )							
55 0	chloridazon							
	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one							
1698-60-8	<u> </u>	_	_		_	_		
1698-60-8	metribuzin							
1698-60-8 21087-64-9	metribuzin 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one							
21087-64-9	metribuzin 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one metamitron							
	metribuzin 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one							

Pollutant		Threshold	s, Canada: NPR					
CAS Number	Pollutant Name	Chemical Category	Manufacture,	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate bifenazate							
149877-41-8	flutolanil							
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide iminoctadine							
13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine							
36335-67-8	Dethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate							
2104-64-5	EPN O-ethyl O-4-nitrophenyl phenylphosphonothioate alanycarb							
83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate							
98886-44-3	fosthiazate O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate							
8018-01-7	mancozeb  complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate)							
0F 00 7	diquat dibromide							
85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide etofenprox							
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether mixture of emamectinB1a benzoate and emamectinB1b benzoate							
155569-91-8	emamectin benzoate tolfenpyrad							
129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide							
79622-59-6	fluazinam 3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine pretilachlor							
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide							
7085-19-0	mecoprop (RS)-2-(4-chloro-o-tolyloxy)propionic acid							
133220-30-1	indanofan (RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione							
158237-07-1	fentrazamide 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide							
78587-05-0	hexythiazox (4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide							
107534-96-3	tebuconazole (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol							
114369-43-6	fenbuconazole (RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile							
99485-76-4	cumyluron 1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea							
420020 22 4	diclocymet							
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide tralomethrin							
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate							
57966-95-7	cymoxanil trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea cartap							
15263-53-3	iprodione							
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide tetraconazole							
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2- tetrafluoroethyl ether oxaziclomefone							
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one							
71561-11-0	pyrazoxyfen 2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone							
58011-68-0	pyrazolynate  4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate							
3347-22-6	dithianon 2,3-dicyano-1,4-dithiaanthraquinone							
	isoprothiolane							
50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate  carbosulfan							

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Pollutant		Inresnoid	s, Canada: NPR	Release,				
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate			(kg/year)				
21005 21 2	thiocyclam  Edimethylamina 1.2.3 trithiana							
31895-21-3	5-dimethylamino-1,2,3-trithiane benfuracarb							
82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate							
3861-47-0	ioxynil octanoate 3,5-diiodo-4-octanoyloxybenzonitrile							
	phthalide							
27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one tefluthrin							
79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate							
	cadusafos							
95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate							
69327-76-0	buprofezin 2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-							
	one tebufenozide							
112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide diafenthiuron							
80060-09-9	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea							
20000 05-3	fenpyroximate							
134098-61-6	tert-butyl 4-{{[[1.3-dimethyl-5-phenoxy-4- pyrazolyl)methylidene]aminooxy}methyl)benzoate							
96489-71-3	pyridaben 2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone							
23184-66-9	butachlor N-butoxymethyl-2-chloro-2',6'-diethylacetanilide							
89269-64-7	ferimzone (Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone							
03203 04 7	indoxacarb							
173584-44-6	methyl (s)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-							
	carboxylate azoxystrobin							
131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3- methoxyacrylate							
	carbam							
144-54-7	N-methyldithiocarbamic acid  oxamyl							
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate							
	pyriminobac-methyl methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-							
136191-64-5	(methoxyimino)ethyl]benzoate mepronil							
55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide							
	methomyl							
16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate							
	trifloxystrobin methyl (E)-methoxyimino-[2-[[[((E)-1-[3-							
141517-21-7	(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate							
143390-89-0	kresoxim-methyl methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate							
±-13330-03=0	phenmedipham	<u> </u>						
13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate  pyributicarb							
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate							
470-90-8	Chlorfenvinphos Chlorfenvinphos							
	Chlorpyrifos Chlorpyrifos enthyl [0,0-Dimethyl-O-(3,5,6-trichloro-2-							
5598-13-0	pyridyl)phosphorothioate]							
2921-88-2	Chlorpyrifos Endosulphan							
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide							
608-73-1	Hexachlorocyclohexane 1,2,3,4,5, 6-hexachlorocyclohexane (HCH)							
	Isodrin					-		
465-73-6	Isodrin	1						
34123-59-6	Isoproturon Isoproturon							
2712J-JJ-U	2,4-D							
94-75-7	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA							-
2702-72-9	2,4-D sodium salt							
94-80-4	2,4-D esters 2,4-D butyl ester	<del>                                     </del>						
01928-43-4	2,4-D Dutyl ester 2,4-D 2-ethylhexyl ester							
94-11-1	2,4-D isopropyl ester							
01929-73-3 1320-18-9	2,4-D butoxyethyl ester 2,4-D propylene glycol butyl ether ester	<del>                                     </del>						
	-, p. op jiene Bijeer outji etner ester	120						

No. Number  Pollutant Name  Casegory Otherwises  LAPP Process, a Casegory Otherwises  We Uplyses  Author Recycling  Auth	Pollutant		Thresholds, Canada: NPRI								
2.4-0P		Pollutant Name	Chemical	Manufacture, Process, or Otherwise	Release, Disposal, or Transfer for Recycling	Activity	Release	Concentration	Caveats/ Notes		
23-25	53404-37-8										
2.4-08 Double Double Discovered to Double Discovere	120.26 5	,									
Disposed  111.13.12  Disposed  Dispo	120-30-3										
	94-82-6	•									
Introduce   Intr											
197-252   Sproad	115-32-2	(trichloromethyl)-]									
Marchanes   Marc	107-22-2	·									
Processing   Pro		•									
Proximate   Section   Proximate   Section   Proximate   Proximate											
2800.05   Promanule (1,5,4 drivinor (1,1,4 drivin) 2-groupsyl) (increasing)	3653-48-3										
Pendimethalin	23950-58-5										
Amitrole  328-5 Amitrole  305-75 Note (1 2-attoon 1-1-2-4-straigne)  305-75 Note (1 2-attoon 2-2-dictionsethyl dimethyl phosphate)  305-75 Note (1 2-attoon 2-2-dictionsethyl dimethyl phosphate)  305-75 Note (1 2-attoon 2-2-dictionsethyl dimethyl phosphate)  305-75 Document (1 2-attoon 2-2-dictionsethyl dimethyl phosphate)  305-75 Document (1 2-attoon 2-2-dictionsethyl phosphate)  305-75 Document (1 2-attoon 2-2-dictionsethyl-2-attoon 2-dictionsethyl-2-attoon 2-dictio											
51825   Maries   Samion   14-12.4 distance	40487-42-1										
Naled   S07-55   Naled (1_2-Sironne_2_2-dechloosepthyl dimethyl phosphate   S07-55   Cultivateria (pertatal/controlemene)   Cultivate											
	61-82-5										
Quintozene	300-76-5										
Barbon   Company   Compa											
Signature   State	82-68-8	Quintozene (pentachloronitrobenzene)									
Diazinon   Diazinon   Co-dictity   O-2-topopopyl-6-methyl-4-pyrmidinyl phosphorothotate)											
Discriment (Collective) Discri	330-55-2		1								
Standard   Dazonet											
Dazomet   Chinon 5.5-dimethyletrahydro-2H-1,3.5-thadiazine	333-41-5										
Salot-6-7   Discounts, sodium salt		Dazomet									
Trickhorfon   Senory   Inchinors   Senory   Senory   Inchinors   Senor											
See   Fischierfor (dimethy 2,2,2-drichloro-1-hydroxyethylphosphonate   Benomy	53404-60-7	,	1								
Benomy (methyl N-1-(Nen-bury/carbamoyl)-21+2-	52-68-6										
Triboenarb	32 00 0										
Determination/joranness   Determination/jo	17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-									
	17004 33 2										
Amitra: Amitra (2-methy-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene ) Propanil Propanil Propanil (3-dichloropropionanilide) Sulprofis Sulprofis Sulprofis (2-dichloropropionanilide) Sulprofis (2-dichloropropionanilide) Sulprofis (2-dichloropropionanilide) Sulprofis (2-dichloropropionanilide) Sulprofis (2-dichloropropionanilide) Profiendos (3-dichloropropionanilide) 41198-087 Profiendos (3-dichloropropionanilide) Profiendos (3-dichloropropionanilide) Profiendos (3-dichloropropionanilide) Profiendos (3-dichloropropionanilide) Profiendos (3-dichloropropionanilide) Profiendos (3-dichloropropionanilide) Sulprofis (3-dichloropropionanili	20240 77 6										
308961-1 Anitraz (3-methyl-1,5-dil(2,4-xyly)-1,3,5-triarapenta-1,4-diene ) Propanil 709.98.8 Propanil (3'4'-dichloropropionanilide) 35400-43-2 Sulprofos 35400-43-2 Professio (3-e-thyl O-4-(methylthio)phenyl 5-n-propyl phosphorothioate) Professio (5-e-thyl O-4-(methylthio)phenyl 5-n-propyl phosphorothioate) Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropaneca/boxylate) Quizalofop-ethyl (ethyl 2-(4-(chloro-2-dimethylcyclopropaneca/boxylate) Quizalofop-ethyl (ethyl 2-(4-(chloro-2-dimethylcyclopropaneca/boxylate) Quizalofop-ethyl (ethyl 2-(4-(chloro-2-dimethylcyclopropaneca/boxylate)) Dichloroxy / DOVP 62-73-7 Dichloroxy / DOVP 62-73-7 Dichloroxy / DOVP 62-73-7 Dichloroxy / DOVP 62-73-7 Dichloroxy / DOVP 62-25-2 Carbayl (1-aphtyl N-Methylcyclopropaneca) 63-25-2 Carbayl (1-aphtyl N-methylcyclopropaneca) Carbayl (1-aphtyl N-methylcyclopropaneca) Carbayl (1-aphtyl N-methylcyclopropaneca) 1937-45-6 Chlorothalonii (tetrachloroisophthalonitrile) Paraquat dichloride (paraquat Paraquat dichloride (1,1-dimethyl-4,4-bipyridinium dichloride) fenitrothion / MEP 122-14-5 fenitrothion (0,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate) Molinate (Sethyl hesahydro-1H-arepine-1-carbothioate) Propargite (2-(4-eter butylphenoxylcyclohenyl 2-propynyl sulfite ) Chiorothionat (5-ethyl hesahydro-1H-arepine-1-carbothioate) Propargite (2-(4-eter butylphenoxylcyclohenyl 2-propynyl sulfite ) Chiorothionat (5-ethyl hesahydro-1H-arepine-1-carbothioate) Propargite (2-(4-eter butylphenoxylcyclohenyl 2-propynyl sulfite ) Chiorothionat (5-ethyl hesahydro-1H-arepine-1-carbothioate) Propargite (5-ethyl hesahydro-1H-arepine-1-carbothioate) Propargite (5-ethyl hesahydro-1H-arepine-1-carbothioate) Propargite (5-ethyl hesahydro-1H-arepine-1-carbothioate) Propargite (5-ethyl hesahydro-1H-arepine-1-carbothioate) Pr	28249-77-0										
Topping   Statistics   Sulprofos   Sulpr	33089-61-1										
Sulprofos   Profenofos   Profenofos   Profenofos   Profenofos   Permethria   Profenofos   Permethria   Permethria   Sphenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethyl-dylopopanear-doxydate)   Quizalofop-ethyl (ethyl 2-(4-(6-chloro-2-quinoxalinyloxy)phenoxy)propionate)   Quizalofop-ethyl (ethyl 2-(4-(6-chloro-2-quinoxalinyloxy)phenoxy)propionate)   Dichlorvos / DDVP		•									
Sulprofes (O-ethyl O-4-(methythio)phenyl S-n-propyl phosphorothiolate)   Profenofos	709-98-8										
Sayung   Profession		•									
### Action	35400-43-2										
phosphorothioate)  Permethrin  52645-53-1  Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanearboxylate)  Quizalofop-ethyl (ethyl 2,1-dichloro-2-quinoxalinyloxyphenoxylproplonate)  Dichlorvos / DDVP  62-73-7  Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate)  Chloropicrin  76-0-2  Chloropicrin (trichloronitromethane)  Carbaryl / NAC  63-25-2  Carbaryl / NAC  63-25-2  Carbaryl (1-naphthyl N-methylcarbamate)  Chlorothalonii (tetrachloroisophthalonitrile)  Paraquat dichloride / paraquat  1910-42-5  Paraquat dichloride (1,1-dimethyl-4,4-bipyridinium dichloride)  fenitrothion / MEP  122-14-5  fenitrothion (0,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate)  Fenthion  55-38-9  Fenthion (0,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate)  Molinate  2112-67-1  Molinate (5-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite (2-di-tert-butylphenoxylcyclohexyl 2-propynyl sulfite )  Chinomethionat (6-methyl-1,3-dithiolo(4,5-b)quinoxalin-2-one)  Famphur  Tebuthiuron  Sethoxydim  74051-80-2  Sethoxydim  Thiodicarb		Profenofos									
Permethrin   Permethrin (3-phenoxybenzyl 3/2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)   Quisalofop-ethyl	41198-08-7										
Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)   Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxylpropionate)   Quizalofop-ethyl (ethyl 2-[4-(6-chloro-4-quinoxalinyloxy)phenoxylpropionate)   Quizalofop-ethyl (ethyl 4-[4-(6-(6-(6-(6-(6-(6-(6-(6-(6-(6-(6-(6-(6-											
dimetrykyc/cjorpopacearboxylate) Quizalofop-ethyl (ethyl 2-[4-(6-choro-2-quinosalinyloxy)phenoxy)propionate) Dichloros / DDVP  62-73-7 Dichloros / DDVP  62-73-7 Dichloros (dimethyl 2,2-dichlorovinyl phosphate) Chloropicrin (richloronitromethane) Carbaryl / NAC  63-25-2 Carbaryl / NAC  63-25-2 Carbaryl / Inaphthyl N-methylcarbamate) Chlorothalonil Byr-45-6 Chlorothalonil Testing / Day and dichloride / paraquat  1910-42-5 Paraquat dichloride / paraquat  1910-42-5 Fenitrothion / MEP  122-14-5 fenitrothion / MEP  122-14-5 fenitrothion (0,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate) Fenthion  5-38-9 Fenthion  5-38-9 Fenthion (0,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate) Molinate 2212-67-1 Molinate (5-ethyl hexahydro-1H-azepine-1-carbothioate) Propargite / Edvert-burlyphenoxy)cyclohexyl 2-propynyl sulfite ) Chinomethionat Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one) Famphur  7-Buthluron Tebuthluron Tebuthluron Sethoxydim Thiodicarb	53645 53.4										
76578-14-8 Quizalofop-ethyl (ethyl 2-(4-(6-chloro-2-quioxalinyloxy)phenoxy)propionate) Dichlorovs (DDVP 62-73-7 Dichlorovs (dimethyl 2,2-dichlorovinyl phosphate) Chloropicrin 76-06-2 Chloropicrin (trichloronitromethane) Carbaryl / NAC G3-25-2 Carbaryl / NAC G3-25-2 Chlorothalonii 1897-45-6 Chlorothalonii (tetrachloroisophthalonitrile) Paraquat dichloride / paraquat 1910-42-5 Paraquat dichloride / paraquat 1910-42-5 Fentitonin / MEP 122-14-5 fenitrothion / MEP 122-14-5 fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate) Fentiton 55-38-9 Fenthion 55-38-9 Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate) Molinate 2212-67-1 Molinate (S-ethyl hexalbydro-1H-azepine-1-carbothioate) Propargite / BPPS 123-25-8 Propargite (2-(4-tert-bulyphenoxy)cyclohexyl 2-propynyl sulfite ) Chinomethionat Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one) Famphur Febuthiuron 14051-80-2 Sethoxydim Thiodicarb	52645-53-1										
John											
Dichlorous / DDVP 62-73-7 Dichlorous (dimethyl 2,2-dichlorovinyl phosphate ) Chloropicrin 76-06-2 Chloropicrin (trichloronitromethane) Carbaryl / NAC 63-25-2 Carbaryl (1-naphthyl N-methylcarbamate) Chlorothalonii 1897-45-6 Chlorothalonii (tetrachloroisophthalonitrile) Paraquat dichloride / paraquat 1910-42-5 Paraquat dichloride / paraquat 1910-42-5 fenitrothion / MEP 122-14-5 fenitrothion (0,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate) Fenthion 55-38-9 Fenthion (0,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate) Molinate 2212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate) Propargite / BPPS 712-35-8 Propargite / Cd-tert-butylphenoxylcyclohexyl 2-propynyl sulfite ) Chinomethionat Chinomethionat (G-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one) Famphur 52-85-7 Famphur Tebuthiuron 34014-18-1 Tebuthiuron 34014-18-1 Tebuthiuron Thiodicarb	76578-14-8										
62-73-7 Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate ) Chloropicrin (Fc66-2 Chloropicrin (trichloronitromethane) Carbaryl / NAC 63-25-2 Carbaryl (1-naphthyl N-methylcarbamate) Chlorothalonil 1897-45-6 Chlorothalonil (tetrachloroisophthalonitrile) Paraquat dichloride / paraquat 1910-42-5 Paraquat dichloride / paraquat fenitrothion / MEP  122-14-5 fenitrothion (O,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate) Fenthion  55-38-9 Fenthion (O,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate)  Molinate 2212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate) Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite ) Chinomethionat 1-239-01-2 Chinomethionat (S-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one) Famphur 52-85-7 Famphur 52-80-2 Sethoxydim Thiodicarb											
76-06-2 Chloropicrin (trichloronitromethane) Carbaryl / NAC Carbaryl (1-naphthyl N-methylcarbamate) Chlorothalonil 1897-45-6 Chlorothalonil (tetrachloroisophthalonitrile) Paraquat dichloride / paraquat 1910-42-5 Paraquat dichloride / paraquat dich	62-73-7										
Carbary! / NAC  63-25-2 Carbary! (1-naphthyl N-methylcarbamate) Chlorothalonil  1897-45-6 Chlorothalonii (tetrachloroisophthalonitrile) Paraquat dichloride / paraquat  1910-42-5 Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride) fenitrothion / MEP  122-14-5 fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate) Fenthion  55-38-9 Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Molinate  2212-67-1 Molinate (5-ethyl hexahydro-1H-azepine-1-carbothioate) Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite ) Chionmethionat  2439-01-2 Chionmethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one) Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  Sethoxydim Thiodicarb		·									
63-25-2 Carbaryl (1-naphthyl N-methylcarbamate) Chlorothalonii 1897-45-6 Chlorothalonii (tetrachloroisophthalonitrile) Paraquat dichloride / paraquat 1910-42-5 Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride) fenitrothion / MEP  122-14-5 fenitrothion (0,0-dimethyl 0-3-methyl-4-nitrophenyl phosphorothioate) Fenthion Fenthion  Molinate 212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate) Propargite / BPPS 2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite) Chinomethionat 2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one) Famphur Tebuthiuron 34014-18-1 Tebuthiuron Sethoxydim Thiodicarb	76-06-2		1								
Chlorothalonil  1897-45-6 Chlorothalonii (tetrachloroisophthalonitrile)  Paraquat dichloride / paraquat  1910-42-5 Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)  fenitrothion / MEP  122-14-5 fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Fenthion  55-38-9 Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Molinate  2212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  Sethoxydim  7hiodicarb	63-25-2										
Paraquat dichloride / paraquat  1910-42-5 Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)  fenitrothion / MEP  122-14-5 fenitrothion (O,0-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Fenthion  55-38-9 Fenthion (O,0-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Molinate  2212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  Sethoxydim  74051-80-2 Sethoxydim  Thiodicarb											
1910-42-5 Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)  fenitrothion / MEP  122-14-5 fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Fenthion  55-38-9 Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Molinate  2212-67-1 Molinate (5-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  34015-80-2 Sethoxydim  74051-80-2 Sethoxydim  Thiodicarb	1897-45-6				_						
fenitrothion / MEP  122-14-5 fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Fenthion  55-38-9 Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Molinate  2212-67-1 Molinate (Sethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  Sethoxydim  74051-80-2 Sethoxydim  Thiodicarb	1010 42 5										
122-14-5 fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Fenthion  55-38-9 Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Molinate  2212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  Sethoxydim  74051-80-2 Sethoxydim  Thiodicarb	1910-42-5										
Fenthion  55-38-9 Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Molinate  2212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  34015-80-2 Sethoxydim  74051-80-2 Sethoxydim  Thiodicarb	400.4:-										
Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)  Molinate  2212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-{4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  34015-80-2 Sethoxydim  74051-80-2 Sethoxydim  Thiodicarb	122-14-5	renitrotnion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)									
Molinate  2212-67-1 Molinate (5-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  340151-80-2 Sethoxydim  74051-80-2 Sethoxydim  Thiodicarb		Fenthion									
2212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  Sethoxydim  74051-80-2 Sethoxydim  Thiodicarb	55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)									
2212-67-1 Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS  2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat  2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur  52-85-7 Famphur  Tebuthiuron  34014-18-1 Tebuthiuron  Sethoxydim  74051-80-2 Sethoxydim  Thiodicarb		Molinate									
2312-35-8 Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )  Chinomethionat 2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur 52-85-7 Famphur  Tebuthiuron 34014-18-1 Tebuthiuron  Sethoxydim 74051-80-2 Sethoxydim Thiodicarb	2212-67-1										
Chinomethionat           2439-01-2         Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)           Famphur           52-85-7         Famphur           34014-18-1         Tebuthiuron           34014-18-1         Tebuthiuron           Sethoxydim           74051-80-2         Sethoxydim           Thiodicarb         Thiodicarb									-		
2439-01-2         Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)           Famphur           52-85-7         Famphur           Tebuthiuron           34014-18-1         Tebuthiuron           Sethoxydim           74051-80-2         Sethoxydim           Thiodicarb         Thiodicarb	2312-35-8		<u> </u>								
Famphur           52-85-7         Famphur           Tebuthiuron           34014-18-1         Tebuthiuron           Sethoxydim           74051-80-2         Sethoxydim           Thiodicarb         Thiodicarb	2439-01-2		1								
52-85-7         Famphur           Tebuthiuron         34014-18-1         Tebuthiuron           Sethoxydim         74051-80-2         Sethoxydim           Thiodicarb         Thiodicarb	£+JJ-U1=2										
Tebuthiuron	52-85-7	·									
Sethoxydim 74051-80-2 Sethoxydim Thiodicarb		Tebuthiuron						·			
74051-80-2 Sethoxydim Thiodicarb	34014-18-1		ļ								
Thiodicarb	74051-80-2										
	, +031-00-Z										
59669-26-0 Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-	59660-26-0	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-									
tetraazapentadeca-3,12-diene-6,10-dione	55005-20-U	tetraazapentadeca-3,12-diene-6,10-dione	ļ								

Pollutant		Throsholde	s, Canada: NPR					
CAS Number	Pollutant Name	Chemical Category	Manufacture,	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
03.65.3	Mecoprop							
93-65-2	Mecoprop  Aldicarb							
116-06-3	Aldicarb							
110-00-3	Captan							
133-06-2	Captan							
	Folpet							
133-07-3	Folpet							
	Chloramben							
133-90-4	Chloramben							
	Ferbam							
14484-64-1	Ferbam							
56-38-2	Parathion Parathion							
298-00-0	Methylparathion							
	Pirimiphos methyl							
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O- dimethyl phosphorothioate							
	Diflubenzuron							
35367-38-5	Diflubenzuron							
127 42 9	Metham sodium	1						
137-42-8	Metham sodium Fenpropathrin							
	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-							
39515-41-8	tetramethylcyclopropanecarboxylate	<u> </u>						
	Hydramethylnon							
67485-29-4	Hydramethylnon					_		_
	Abamectin							
71751-41-2	Abamectin							
77501 62 4	Lactofen							
77501-63-4	Nabam Nabam							
142-59-6	Nabam							
112 55 0	Thiabendazole							
148-79-8	Thiabendazole							
	Merphos							
150-50-5	Merphos							
	Monuron							
150-68-5	Monuron							
72-43-5	Methoxychlor Methoxychlor							
72-43-3	Tetramethrin							
7696-12-0	Tetramethrin / cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans- 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate							
	Resmethrin							
10453-86-8	Resmethrin							
	Ethoprop							
13194-48-4	Ethoprop							
	Oxydemeton methyl							
301-12-2	Oxydemeton methyl							
13684-56-5	<b>Desmedipham</b> Desmedipham							
13084-30-3	Oryzalin							
19044-88-3	Oryzalin							
	Bromacil							
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-		· · · · · · · · · · · · · · · · · · ·				<del></del>	
	2,4-dione							
53404-19-6	Bromacil, lithium salt  Bendiocarb							
22781-23-3	Bendiocarb							
	Phenothrin							
26002-80-2	Phenothrin				_			
	Triforine		-					
26644-46-2	Triforine						·	
24240.02.:	Propetamphos							
31218-83-4	Propetamphos Imazalil							
35554-44-0	Imazalii							
	Triadimefon							
43121-43-3	Triadimefon							
	Triclopyr							
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)							
57213-69-1	Triclopyr triethylammonium salt  Propiconazole							
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole							
	Cyfluthrin						<u></u>	
68359-37-5	Cyfluthrin							
60806 50 3	Fluazifop butyl	1						
69806-50-4	Fluazifop butyl Fenoxycarb							
72490-01-8	Fenoxycarb Fenoxycarb							
0 0	· · · · · · · · · · · · · · · · · · ·	122						

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Pollutant		Inresnoids	s, Canada: NPR	Release,				
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise	Disposal, or Transfer for	Activity	Air Release	Concentration	Caveats/ Notes
		o ,	Use (kg/year)	Recycling (kg/year)		(kg/year)		
E40.4E.C	Chlorobenzilate							
510-15-6	Chlorobenzilate  Bifenthrin							
82657-04-3	Bifenthrin							
	Terbacil							
5902-51-2	Terbacil Mevinphos							
7786-34-7	Mevinphos							
	Metiram							
9006-42-2	Metiram Ametryn							
834-12-8	Ametryn							
	Diphenamid							
957-51-7	Diphenamid Pebulate							
1114-71-2	Pebulate							
	Cycloate							
1134-23-2	Cycloate Methazole							
20354-26-1	Methazole							
	Cyanazine							
21725-46-2	Cyanazine							
25311-71-1	Isofenphos							
	Norflurazon							
27314-13-2	Norflurazon				· <u></u> -			
1689-84-5	Bromoxynil Bromoxynil							
1689-99-2	Bromoxynil octanoate							
1926 75 5	Nitrofen							
1836-75-5	Nitrofen Diethatyl ethyl							
38727-55-8	Diethatyl ethyl							
1861-40-1	Benfluralin Benfluralin							
1801-40-1	Dinocap							
39300-45-3	Dinocap							
42874-03-3	Oxyfluorfen Oxyfluorfen							
42874-03-3	Dicamba							
1918-00-9	Dicamba							
1982-69-0 2300-66-5	Sodium dicamba Dimethylamine dicamba							
	Vinclozolin							
50471-44-8	lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:							
1918-02-1	Picloram Picloram							
1918-02-1	Propachlor							
1918-16-7	Propachlor							
51235-04-2	Hexazinone							
31233 04 2	Diclofop methyl							
51338-27-3	Diclofop methyl							
1929-82-4	Nitrapyrin							
	Dimethipin							
55290-64-7	Dimethipin Methiocarb							
2032-65-7	Methiocarb Methiocarb							
	Fenarimol		-	-		-	-	
60168-88-9	Fenarimol Acifluorfen, sodium salt							
62476-59-9	Acifluorfen, sodium salt							
64002 72 7	Chlorsulfuron							
64902-72-3	Chlorsulfuron Dipotassium endothall							
2164-07-0	Dipotassium endothall							
66441-23-4	Fenoxaprop ethyl							
00441-23-4	Fenoxaprop ethyl Fluometuron							
2164-17-2	Fluometuron							
68085-85-8	Cyhalothrin Cyhalothrin							
55555 55 6	Fluvalinate							
69409-94-5	Fluvalinate							
72178-02-0	Fomesafen Fomesafen							
	Allate							
2303-16-4 2303-17-5	Diallate Triallate							
2303-17-3	Anilazine							
101-05-3	Anilazine			-				
<u></u>	Myclobutanil	<u> </u>						

Pollutant		Threshold	s, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1- ylmethyl)hexanenitrile  Dodine							
2439-10-3	Dodine							
	Chlorimuron ethyl							
90982-32-4	Chlorimuron ethyl							
101200-48-0	Tribenuron methyl Tribenuron methyl							
101200-48-0	Temephos							
3383-96-8	Temephos							
	Fenvalerate							
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3- methylbutyrate)							
114-26-1	Propoxur Propoxur (2-isopropoxyphenyl N-methylcarbamate)							
114-20-1	Malathion / malathon							
121-75-5	Malathion (0,0-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)							
60-51-5	Dimethoate Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl							
	phosphorodithioate) <b>Hexachlorophene</b>							
70-30-4	Hexachlorophene Mothyl icothiocyanate	1A	10,000				1.0%	
556-61-6	Methyl isothiocyanate Methyl isothiocyanate							
	Thiophanate							
23564-05-8 23564-06-9	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)  Thiophanate ethyl							
23304 00 3	Cyhalofop / cyhalofop-butyl							
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate							
	Disulfuton / ethylthiometon							
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate							
62850-32-2	Fenothiocarb S-4-phenoxybutyl N,N-dimethylthiocarbamate							
02030 32 2	Halosulfuron-Methyl							
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate							
	Fumazone							
96-12-8	1,2-dibromo3-chloropropane							
119446-68-3	Difenoconazole 1-{{2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-							
113440-08-3	yl}methyl)-1H-1,2,4-triazole  Prothiofos							
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate							
	Dichlorophene							
97-23-4	Dichlorophene  Bromol							
118-79-6	2,4,6-tribromophenol							
	Prometryn							
7287-19-6	Prometryn							
99-30-9	Dichloran							
99-30-9	Maneb							
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] /	1						
12427-38-2	manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)  Methidathion / DMTP							
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,0-dimethyl phosphorodithioate							
061 11 5	Tetracklorvinphos Tetracklorvinphos	<b>_</b>						
961-11-5	Tetrachlorvinphos Isoxathion	<del>                                     </del>						
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate							
26087-47-8	Kitazin P / iprobenfos / IBP S-benzyl O,O-diisopropyl phosphorothioate							
1194-65-6	dichlobenil / DBN 2,6-dichlorobenzonitrile							
	Edifenphos / EDDP							
17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate  Pyraclofos							
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate			-				
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-							
	oxadiazol-2(3H)-one Acephate							
30560-19-1	Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate  Metacide 38							
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile  Metolachlor							
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide							
55406-53-6	3-iodo-2-propynyl butylcarbamate 3-iodo-2-propynyl butylcarbamate	1						
	Mefenacet							
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide	124	·	·				

Pollutant		Threshold	s, Canada: NPRI					
CAS Number	Pollutant Name Clofentezine	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine							
2310-17-0	Phosalone O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate							
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate							
	Phenthoate / PAP							
2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate  Tebufenpyrad							
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide							
125306-83-4	Cafenstrole  N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1- carboxamide							
120068-37-3	Fipronil 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4- [(trifluoromethyl)sulfinyl]pyrazole							
	Isoprocarb / MIPC							
2631-40-5	2-isopropylphenyl N-methylcarbamate  Landrin							
2655-15-4	2,3,5-trimethylphenyl methylcarbamate							
2971-38-2	2,4-D chlorocrotyl ester 2,4-D chlorocrotyl ester							
3766-81-2	Fenobucarb / BPMC  2-sec-butylphenyl N-methylcarbamate							
	D-trans-allethrin							
28057-48-9	D-trans-allethrin Dowicil 200							
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride N-nitrosomethylvinylamine							
4549-40-0	N-nitrosomethylvinylamine							
5234-68-4	Carboxin Carboxin							
	Thiram							
137-26-8	Thiram (tetramethylthiuram disulfide)  Sodium fluoroacetate							
62-74-8	Sodium fluoroacetate							
57-57-8	Beta-propiolactone Beta-propiolactone							
37 37 0	Dipropyl isocinchomeronate							
136-45-8	Dipropyl isocinchomeronate							
Colors and dy	C.I. Fluorescent 260							
16090-02-1	disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate] 5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-							
3618-72-2	dinitrophenylazo)-4'-methoxyacetanilide 5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-{2-bromo-4,6-dinitrophenylazo}-4'-							
	methoxyacetanilide C.I. Food Red							
3761-53-3	C.I. Food Red 5							
81-88-9	C.I. Food Red 15 C.I. Solvent Yellow	1A	10,000				1.0%	
60-09-3	C.I. Solvent Yellow 3 / 4-aminoazobenzene							
97-56-3 492-80-8	C.I. Solvent Yellow 3 C.I. Solvent Yellow 34							
842-07-9	C.I. Solvent Yellow 14	1A	10,000				1.0%	
569-64-2	C.I. Basic Green C.I. Basic Green 4	1A	10,000				1.0%	
	C.I. Vat Yellow		.0,000				1.070	
128-66-5	C.I. Vat Yellow 4 C.I. Basic Red							
989-38-8	C.I. Basic Red 1	1A	10,000				1.0%	
1937-37-7	C.I. Direct Black C.I. Direct Black 38							
2602.46.2	C.I. Direct Blue							
2602-46-2 28407-37-6	C.I. Direct Blue 6 C.I. Direct Blue 218	1A	10,000				1.0%	
2022 40.0	C.I. Disperse Yellow	4.0	40.000				4.001	
2832-40-8	C.I. Disperse Yellow 3 C.I. Solvent Orange	1A	10,000				1.0%	
3118-97-6	C.I. Solvent Orange 7	1A	10,000				1.0%	
4680-78-8	C.I. Acid Green C.I. Acid Green 3	1A	10,000				1.0%	
	C.I. Acid Red		-,					
6459-94-5	C.I. Acid Red 114 C.I. Direct Brown	<del> </del>						
16071-86-6	C.I. Direct Brown 95							
72-57-1	Trypan blue Trypan blue	1						
	aceutical ingredient (API)							
	Fluorouracil			_				
51-21-8	Fluorouracil	1						

Pollutant		Thresholds, Canada: NPRI								
CAS Number	Pollutant Name disulfiram	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes		
97-77-8	tetraethylthiuram disulfide / disulfiram									
3, ,, 0	Nicotine									
LCL-108	Nicotine and salts									
	Phenytoin									
57-41-0	Phenytoin									
57-33-0	Pentobarbital sodium Pentobarbital sodium									
37-33-0	Tetracycline hydrochloride									
64-75-5	Tetracycline hydrochloride	1A	10,000				1.0%			
	Triaziquone									
68-76-8	Triaziquone									
LCL-109	Warfarin Warfarin and salts									
	organic substances									
75-08-1	ethanethiol									
25103-58-6	tert-dodecanethiol									
420-04-2	cyanamide N-(cyclohexylthio)phthalimide									
17796-82-6 4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide									
505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol									
112-57-2	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine		· · · · · · · · · · · · · · · · · · ·			-	· · · · · · · · · · · · · · · · · · ·			
112-24-3 99-76-3	triethylenetetramine methyl 4-hydroxybenzoate	1								
99-76-3 103-90-2	N-(4-hydroxyphenyl)acetamide	+								
941-69-5	N-phenylmaleimide									
2426-08-6	n-butyl-2,3-epoxypropyl ether	<u> </u>								
25013-16-5 LCL-110	butylhydroxyanisole / BHA water-soluble salts of peroxodisulfuric acid									
674-82-8	4-methylideneoxetan-2-one									
3268-49-3	3-methylthiopropanal									
110-91-8	morpholine									
78-42-2 1330-78-5	tris(2-ethylhexyl) phosphate tritolyl phosphate									
115-86-6	triphenyl phosphate									
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride									
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine									
100-37-8	2-(diethylamino)ethanol									
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol									
78-67-1	2,2'-azobisisobutyronitrile									
541-53-7 53-96-3	2,4-Dithiobiuret 2-acetylaminofluorene									
141-43-5	2-aminoethanol									
75-86-5	2-methyllactonitrile / acetone cyanohydrin									
101-80-4 101-61-1	4,4'-Diaminodiphenyl ether 4,4'-methylenebis(N,N-dimethyl)benzeneamine									
92-67-1	4-aminobiphenyl									
60-11-7	4-dimethylaminoazobenzene									
92-93-3	4-nitrobiphenyl									
100-40-3 60-35-5	4-vinyl-1-cyclohexene Acetamide									
134-32-7	alpha-naphthylamine									
55-21-0	Benzamide									
91-59-8 111-44-4	beta-naphthylamine Bis(2-chloroethyl) ether									
542-88-1	Bis(chloromethyl)ether	1								
107-30-2	Chloromethyl methyl ether									
115-10-6 123-86-4	Dimethylether Butyl acetate:n-	5 5				1000 <sup>A</sup>				
123-86-4 LCL-111	Dihydronapthalene (all isomers)	5				1000 <sup>A</sup>				
7379-12-6	Methyl-3-hexanone,2-	5				1000 <sup>A</sup>				
27133-93-3	Methylindan (all isomers)	5				1000 <sup>A</sup>				
103-71-9 420-56-4	Phenyl isocyanate Trimethylfluorosilane	5				1000 <sup>A</sup>				
135-20-6	Cupferron									
132-64-9	Dibenzofuran	<u> </u>								
101-90-6 138-93-2	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene Disodium cyanodithioimidocarbonate	+								
759-94-4	Ethyl dipropylthiocarbamate	1								
112-02-7	hexadecyltrimethylammonium chloride									
124-09-4 680-31-9	hexamethylenediamine Hexamethylphosphoramide	1								
74-93-1	Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting requirements currently suspended)									
109-77-3	Malononitrile Mathylichlesseshapete									
79-22-1 624-83-9	Methyl chlorocarbonate  Methyl isocyanate	+								
95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide									
1643-20-5	N,N-dimethyldodecylamine N-oxide					-	· · · · · · · · · · · · · · · · · · ·			
924-42-5 55-18-5	N-Methylolacrylamide N-nitrosodiethylamine	1A	10,000				1.0%			
^^_TO_2	N-nitrosodiethylamine N-nitrosodimethylamine	+								
62-75-9										
62-75-9 924-16-3	N-nitrosodi-N-butylamine				_					
924-16-3 621-64-7	N-nitrosodi-N-propylamine									
924-16-3 621-64-7 59-89-2	N-nitrosodi-N-propylamine N-nitrosomorpholine									
924-16-3 621-64-7	N-nitrosodi-N-propylamine									
924-16-3 621-64-7 59-89-2 759-73-9	N-nitrosodi-N-propylamine N-nitrosomorpholine N-nitroso-N-ethylurea									

Pollutant		Thresholds	s, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
104-12-1	P-chlorophenyl isocyanate							
110-85-0	Piperazine							
51-03-6	Piperonyl butoxide							
1120-71-4	Propane sultone							
78-48-8	S,S,S-tributyltrithiophosphate							
81-07-2	Saccharin (Manufacturing, no supplier notification)							
132-27-4	Sodium O-phenylphenoxide							
11070-44-3	Tetrahydromethylphthalic anhydride							
62-55-5	Thioacetamide							
79-19-6	Thiosemicarbazide							
126-73-8	tri-n-butyl phosphate							
115-96-8	Tris(2-chloroethyl) phosphate							
51-79-6	Urethane							
105-60-2	ε-caprolactam		•					•

Pollutant		Thresholds,	EU: E-PRTR		Thresholds, Kiev Protocol Implementation Guidel				lines	
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)		Manufacture, Process or Use (kg/year)	Off-Site Transfers	
Persistent Org	anic Pollutants (POPs)									
200.00.2	Pesticides	4		-		4			4	
309-00-2 57-74-9	Aldrin Chlordane	1		1	1 1			1	<u>1</u>	
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane	1		1	1			1	1	
60-57-1	Dieldrin	1		1		1		1	1	
72-20-8	Endrin	1	1	1	1	1	1	1	1	
76-44-8	Heptachlor	1		1				1	1	
2385-85-5	Mirex	1		1	1			1	1	
8001-35-2 319-84-6	Toxaphene alpha-hexachlorocyclohexane	1	1	1	1	1	1	1	1	
319-85-7	beta-hexachlorocyclohexane									
	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane									
58-89-9	[Cyclohexane, 1,2,3,4,5,6-hexachloro-	1	1	1	1	1	1	1	1	
	,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)									
143-50-0 608-93-5	Chlordecone Pentachlorobenzene	1 1		<u>1</u>				1 50	1 5	
008-93-3	Industrial chemicals	<u>'</u>		<u>'</u>	'		<u> </u>	50	<u> </u>	
118-74-1	Hexachlorobenzene (HCB)	10	1	1	10	1	1	5	1	
1336-36-3	Polychlorinated biphenyls (PCBs)	0.1		0.1	0.1	0.1		50	1	
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated	0.1	0.1	0.1						
7777 01 0	Biphenyls (PBBs)	0.1	0.1	0.1						
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)									
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)									
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)									
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as  Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)									
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)									
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)									
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)  Polychlorinated dioxins and furans									
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))	0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term "dioxins". Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.									
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
60851-34-5	$2,3,\widehat{4},6,7,8$ -Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									

Pollutant	Thresholds, EU: E-PRTR				Thresholds, Kiev Protocol Implementation Guidelines					
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land	Manufacture, Process or Use (kg/year)	Off-Site Transfers	
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category									
Metals										
	Antimony and its compounds									
7440-36-0	Antimony									
LCL-4 LCL-5	Antimony Compounds Antimony and its compounds									
202 3	Arsenic and its compounds									
7440-38-2	Arsenic									
LCL-6	Arsenic Compounds									
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)  Boron and its compounds	20	5	5	20	5	5	50	50	
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds									
10294-34-5	Boron trichloride									
7637-07-2	Boron trifluoride									
7440-43-9	Cadmium and its compounds Cadmium									
LCL-9	Cadmium Compounds									
LCL-10	Cadmium and its compounds / Cadmium and compounds (as Cd)	10	5	5	10	5	5	5	5	
	Chromium and its compounds									
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical forms)	100	50	50	100	50	50	10,000	200	
7440-47-3	Chromium									
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal									
LCL-12	region)									
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)									
LCL-14	Chromium III compounds / chromium and chromium(III) compounds									
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)  Cobalt and its compounds									
7440-48-4	Cobalt									
LCL-16	Cobalt Compounds									
LCL-17	Cobalt and its compounds									
7440.50.0	Copper and its compounds									
7440-50-8 LCL-18	Copper Compounds									
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper	100	F0	50	100	F0	F0	10.000	F00	
10380-28-6	salts (water-soluble, except complex salts)) bis(8-quinolinolato)copper (USA: included as "copper compound")	100	50	50	100	50	50	10,000	500	
	Lead and its compounds									
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)									
LCL-20	Lead Compounds									
LCL-21	Lead and its compounds / Lead and compounds as (Pb)	200	20	20	200	20	20	50	50	
T8-00-2	Lead and its compounds except tetraethyl lead  Tetraethyl lead (USA: included as "lead compound")									
, 5 00-Z	Manganese and its compounds									
7439-96-5	Manganese									
LCL-23	Manganese Compounds									
LCL-24	Manganese and its compounds  Mercury and its compounds									
7439-97-6	Mercury									
LCL-25	Mercury Compounds									
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	10	1	1	10	1	1	5	5	
7440-02-0	Nickel and its compounds Nickel									
LCL-27	Nickel Compounds									
LCL-28	Nickel and its compounds / Nickel and compounds (as Ni)	50	20	20	50	20	20	10,000	500	
12035-72-2	Nickel subsulfide (USA and Canada: included as "nickel compound")									
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")  Selenium and its compounds									
7782-49-2	Selenium and its compounds Selenium									
LCL-29	Selenium Compounds									
LCL-30	Selenium and its compounds									
7440.66.5	Zinc and its compounds									
7440-66-6 LCL-31	Zinc (fume or dust) Zinc Compounds									
	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds	202	10-	10-	00-	100	100	40.00-	4.000	
LCL-32	(water-soluble) (Jpn)	200	100	100	200	100	100	10,000	1,000	

Pollutant		Thresholds,	EU: E-PRTF	?	Thresholds, Kiev Protocol Implementation Guidelin				nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc								
12122-67-7	compound") / ziram Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]								
12071-83-9									
120/1-65-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb								
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N- dimethyldithiocarbamate) or polymer of N,N'- propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")								
	Beryllium and its compounds								
7440-41-7	Beryllium								
LCL-33	Beryllium Compounds								
LCL-34	Beryllium and its compounds								
7440.22.4	Silver and its compounds Silver								
7440-22-4 LCL-35	Silver Compounds				1				
LCL-36	Silver and its compounds / Jpn: water-soluble compounds								
	Vanadium and its compounds								
7440-62-2	Vanadium (except when contained in an alloy)								
LCL-37	Vanadium compounds								
7420 22 2	Aluminum and compounds								
7429-90-5 1344-28-1	Aluminum (fume or dust) Aluminum oxide (fibrous forms)				<b> </b>				
20859-73-8	Aluminum oxide (fibrous forms)  Aluminum phosphide								
	Barium and its compounds								
7440-39-3	Barium								
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)  Indium and its compounds								
LCL-39	Indium and its compounds								
1	Iron and its compounds								
7705-08-0	ferric chloride								
13463-40-6	Iron pentacarbonyl								
	Lithium and its compounds								
554-13-2	Lithium carbonate								
1200 40 4	Magnesium and its compounds								
1309-48-4	Magnesium oxide fume  Molybdenum and its compounds								
LCL-40	Molybdenum and its compounds				1				
1313-27-5	Molybdenum trioxide								
	Osmium and its compounds								
20816-12-0	Osmium tetroxide								
	Thallium and its compounds								
7440-28-0	Thallium								
LCL-41	Thallium Compounds Titanium tetrachloride								
7550-45-0	Titanium tetrachloride								
7550 45 0	Zirconium								
7699-43-6	zirconium dichloride oxide								
Inorganic sub	stances								
	Asbestos								
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)	1	1	1	1	1	1	10,000	10
	Cyanides (as total CN)								
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	-	50	50	-	50	50	10,000	500
74-90-8	Hydrogen cyanide	200	-	-	200	-	-	10,000	
	Fluorides (as total F)								
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts	-	2,000	2,000	-	2,000	2,000	10,000	10,000
LCL-44	Fluoride compounds		,	,				-,	/ <del>-</del>
7664-39-3	Hydrogen fluoride								
7681-49-4	Sodium fluoride								
7789-75-5	Calcium fluoride								
	Phosphorus								
LCL-45 LCL-46	Phosphorus (total)	-	5,000	5,000	-	5,000	5,000	10,000	10,000
7723-14-0	Phosphorus (total, excluding yellow or white phosphorus) Phosphorus (yellow, white)								
LCL-47	Nitrate Nitrate Compounds (water dissociable; reportable only when in aqueous								
	solution)								
LCL-48 7697-37-2	nitrate ion in solution at ph >= 6.0  Nitric Acid								
. 03. 3. 2	Particulate matter								
161.40	PM - Total Particulate Matter (Canada: Particulate matter with a diameter								
LCL-49	less than 100 micrometres)								
LCL-50	PM10 - Particulate matter	50,000	-	-	50,000	-	-	#	-
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns								
7664-93-9	Sulfate  Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, for and other airborns forms of any particle size) (USA)								
	fog, and other airborne forms of any particle size) (USA)  Chloride (as CI-)								
LCL-52	Chlorides (as total CI)	-	2,000,000	2,000,000	-	2,000,000	2,000,000	10,000	2,000,000
	Nitrite				1				

Pollutant		Thresholds,	EU: E-PRTR	Thresholds, Kiev Protocol Implementation Guidelines					
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water	Release to Land	Manufacture, Process or Use (kg/year)	Off-Site Transfers
7632-00-0	Sodium nitrite								
07758-01-2	Potassium bromate Potassium bromate								
7664-38-2	Phosphoric acid Phosphoric acid								
26628-22-8	Sodium azide Sodium azide								
	Thorium dioxide								
1314-20-1	Thorium dioxide  Total Nitrogen								
LCL-53	Total nitrogen Total Sulphur	-	50,000	50,000	-	50,000	50,000	10,000	10,000
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and								
Chlorinated a	methyl mercaptan, expressed as hydrogen sulphide) nd brominated organic substances								
	Chlorinated ethanes and propanes								
107-06-2 75-00-3	1,2-Dichloroethane Chloroethane	1,000	10	10	1,000	10	10	10,000	100
79-00-5	1,1,2-Trichloroethane								
71-55-6	1,1,1-trichloroethane	100	-	-	100	-	-	,	1,000
79-34-5	1,1,2,2-Tetrachloroethane	50	-	-	50	-	-	10,000	1,000
630-20-6 75-34-3	1,1,1,2-Tetrachloroethane Ethylidene dichloride (1,1-Dichloroethane)								
76-01-7	Pentachloroethane								
67-72-1	Hexachloroethane			_				_	
78-87-5 96-18-4	1,2-Dichloropropane								
90-18-4	1,2,3-Trichloropropane  Chlorinated ethenes and propenes								
75-01-4	Vinyl chloride (Chloroethylene)	1,000	10	10	1,000	10	10	10,000	100
79-01-6	Trichloroethylene	2,000	10	-	2,000	-	-	10,000	1,000
127-18-4	Tetrachloroethylene	2,000	10	-	2,000	-	-	10,000	1,000
75-35-4 107-05-1	Vinylidene chloride (1,1-dichloroethylene)  Allyl chloride (3-chloropropene)				1				
563-47-3	3-Chloro-2-methyl-1-propene								
156-59-2	cis-1,2-dichloroethylene								
540-59-0 542-75-6	1,3-Dichloroethylene 1,3-Dichloropropylene / D-D								
78-88-6	2,3-dichloropropene								
10061-02-6	trans-1,3-dichloropropene								
	Chlorinated methanes								
75-09-2	Dichloromethane / methylene dichloride	1,000	10 10	10	1,000 500	10	10	10,000	100
67-66-3 56-23-5	Trichloromethane / Chloroform Tetrachloromethane / Carbon tetrachloride	500 100	10		100			10,000 10,000	1,000
74-87-3	Chloromethane / methyl chloride							,	
	Chlorobenzenes								
108-90-7 95-50-1	Chlorobenzene o-Dichlorobenzene; 1,2-Dichlorobenzene								
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene								
541-73-1	1,3-Dichlorobenzene								
25321-22-6	Dichlorobenzene (mixed isomers)	40			40			10.000	4.000
12002-48-1 120-82-1	Trichlorobenzenes 1,2,4-Trichlorobenzene	10	1		10	-	-	10,000	1,000
120 02 1	Brominated diphenylethers (PBDE)				1				
1163-19-5	Decabromodiphenyl ether								
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)	-	1	1	-	1	1	10,000	5
85535-84-8	Short Chain Chlorinated Paraffins (SCCPs) Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	-	1	1	-	1	1	10,000	10
LCL-56	Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></c14!)>								
75-25-2	Bromoform (Tribromomethane)								
74-95-3	Methylene bromide								
124-48-1 75-27-4	dibromochloromethane Dichlorobromomethane / bromodichloromethane								
106-93-4	1,2-Dibromoethane								
107-04-0	1-Bromo-2-chloroethane			_				_	
106-94-5 75-26-3	1-bromopropane 2-bromopropane								
75-26-3 593-60-2	Z-bromopropane Vinyl bromide								
	Chlorinated toluenes and phenols								
95-57-8	o-chlorophenol			-					-
106-48-9 95-73-8	p-chlorophenol 2,4-dichlorotoluene								
87-86-5	Pentachlorophenol (PCP)	10	1	1	10	1	1	10,000	5
LCL-57	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)							-,,,,,	
120-83-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)					· <u></u>	· <u></u>		
88-06-2 95-95-4	2,4,6-Trichlorophenol 2,4,5-Trichlorophenol								
95-95-4	o-chlorotoluene								
106-43-4	p-chlorotoluene								
131-52-2	Sodium pentachlorophenate					· <u></u>	· <u></u>		
98-87-3 98-88-4	Benzal chloride (Benzylidene dichloride) Benzoyl chloride								
100-44-7	Benzyl chloride								
611-19-8	1-chloro-2-(chloromethyl)benzene			-					
59-50-7 98-07-7	4-chloro-3-methylphenol Benzoic trichloride (Benzylidyne trichloride)								
JU-U1-1	benzoie tricinoriue (benzyndynie tricinoriue)								

Pollutant		Thresholds,	EU: E-PRTR	ł	Thresholds, Kiev Protocol Implementation Guide			idelines				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water	Release to Land	Manufacture, Process or Use (kg/year)	Off-Site Transfers			
	Chlorendic acid											
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-											
	dicarboxylic acid)  Chlorinated carboxylic acids & carboxylic acid esters											
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)											
76-03-9 76-02-8	trichloroacetic acid Trichloroacetyl chloride											
598-78-7	2-chloropropionic acid											
105-39-5	ethyl chloroacetate											
108-60-1	Bis(2-chloro-1-methylethyl) ether											
108-60-1	Bis(2-chloro-1-methylethyl) ether Bis(2-chloroethoxy)methane											
111-91-1	Bis(2-chloroethoxy)methane											
	Chloroanilines											
95-51-2 106-47-8	o-chloroaniline p-chloroaniline											
LCL-58	chloroaniline											
LCL-59	dichloroaniline											
95-69-2	p-chloro-o-toluidine											
126-99-8	Chloroprene Chloroprene											
	Chlorinated butenes	1										
110-57-6	Trans-1,4-dichloro-2-butene											
764-41-0	1,4-dichloro-2-butene				<u> </u>							
1335-87-1	Chloronaphthalenes Hexachloronaphthalene											
2234-13-1	Octachloronaphthalene											
	3-Chloropropionitrile											
542-76-7	3-Chloropropionitrile											
79-44-7	Dimethylcarbamyl chloride  Dimethylcarbamyl chloride											
73-44-7	Dimethyl chlorothiophosphate											
2524-03-0	Dimethyl chlorothiophosphate											
	2,2-dibromo-2-cyanoacetamide											
10222-01-2	$\label{lem:condition} \begin{tabular}{ll} 2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended) \end{tabular}$											
LCL-60	Halogenated organic compounds Halogenated organic compounds (as AOX)	-	1,000	1,000	) -	1,000	1,000	10,000	1,000			
	Hexachlorobutadiene (HCBD)											
87-68-3	Hexachlorobutadiene (HCBD)  Hexachlorocyclopentadiene	-	1	1	-	1	1	10,000	5			
77-47-4	Hexachlorocyclopentadiene											
	Perchloromethyl mercaptan											
594-42-3	Perchloromethyl mercaptan Perchloromethyl mercaptan											
	Perchloromethyl mercaptan Perchloromethyl mercaptan 2,2-bis(Bromomethyl)-1,3-propanediol											
594-42-3 3296-90-0	Perchloromethyl mercaptan Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)											
	Perchloromethyl mercaptan Perchloromethyl mercaptan 2,2-bis(Bromomethyl)-1,3-propanediol											
3296-90-0 LCL-61	Perchloromethyl mercaptan Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)											
3296-90-0	Perchloromethyl mercaptan Perchloromethyl mercaptan 2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA)											
3296-90-0 LCL-61 79-94-7	Perchloromethyl mercaptan Perchloromethyl mercaptan 2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate											
3296-90-0 LCL-61	Perchloromethyl mercaptan Perchloromethyl mercaptan 2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA)											
3296-90-0 LCL-61 79-94-7	Perchloromethyl mercaptan Perchloromethyl mercaptan 2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Vinyl Fluoride Vinyl Fluoride (added to TRI for RY2011)											
3296-90-0 LCL-61 79-94-7 126-72-7 75-02-5	Perchloromethyl mercaptan Perchloromethyl mercaptan 2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Vinyl Fluoride Vinyl Fluoride (added to TRI for RY2011) Tetrafluoroethylene											
3296-90-0 LCL-61 79-94-7 126-72-7 75-02-5 116-14-3	Perchloromethyl mercaptan Perchloromethyl mercaptan 2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Vinyl Fluoride Vinyl Fluoride (added to TRI for RY2011) Tetrafluoroethylene Tetrafluoroethylene (USA: added to TRI for RY2011)											
3296-90-0 LCL-61 79-94-7 126-72-7 75-02-5 116-14-3	Perchloromethyl mercaptan Perchloromethyl mercaptan 2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Vinyl Fluoride Vinyl Fluoride (added to TRI for RY2011) Tetrafluoroethylene											
3296-90-0 LCL-61 79-94-7 126-72-7 75-02-5 116-14-3	Perchloromethyl mercaptan Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Vinyl Fluoride Vinyl Fluoride Vinyl Fluoride (added to TRI for RY2011) Tetrafluoroethylene Tetrafluoroethylene (USA: added to TRI for RY2011) ing substances Hydrochlorofluorocarbons (HCFCs) Hydrochlorofluorocarbons (HCFCs)											
3296-90-0 LCL-61 79-94-7 126-72-7 75-02-5 116-14-3	Perchloromethyl mercaptan Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Vinyl Fluoride Vinyl Fluoride (added to TRI for RY2011) Tetrafluoroethylene Tetrafluoroethylene (USA: added to TRI for RY2011) ing substances Hydrochlorofluorocarbons (HCFCs) Hydrochlorofluorocarbons (HCFCs) Indicate to RY201 (EPRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No											
3296-90-0 LCL-61 79-94-7 126-72-7 75-02-5 116-14-3	Perchloromethyl mercaptan  Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)  Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride  Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene  Tetrafluoroethylene (USA: added to TRI for RY2011)  ing substances  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (HCFCs)  including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000		-		1			10,000	100			
3296-90-0 LCL-61 79-94-7 126-72-7 75-02-5 116-14-3 Ozone depleti	Perchloromethyl mercaptan Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Vinyl Fluoride Vinyl Fluoride (added to TRI for RY2011) Tetrafluoroethylene Tetrafluoroethylene (USA: added to TRI for RY2011) ing substances Hydrochlorofluorocarbons (HCFCs) Hydrochlorofluorocarbons (HCFCs) Indicate to RY201 (EPRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No				1			10,000	100			
3296-90-0  LCL-61  79-94-7  126-72-7  75-02-5  116-14-3  Ozone depleti	Perchloromethyl mercaptan Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Vinyl Fluoride Vinyl Fluoride (added to TRI for RY2011) Tetrafluoroethylene Tetrafluoroethylene (USA: added to TRI for RY2011) ing substances Hydrochlorofluorocarbons (HCFCs) Hydrochlorofluorocarbons (HCFCs) Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))			-	1			10,000	100			
3296-90-0 LCL-61 79-94-7 126-72-7 75-02-5 116-14-3 Ozone depleti	Perchloromethyl mercaptan  Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)  Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride  Vinyl Fluoride  Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene  Tetrafluoroethylene (USA: added to TRI for RY2011)  ing substances  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parlament and of the Council of 29 June 2000 on substances that deplete the zone layer (OJ L 244, 29.9.2000, p. 1).  Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265,		-		1			10,000	100			
3296-90-0  LCL-61  79-94-7  126-72-7  75-02-5  116-14-3  Ozone depleti  LCL-62  75-43-4  75-45-6  354-14-3	Perchloromethyl mercaptan  Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)  Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride  Vinyl Fluoride  Tetrafluoroethylene  Tetrafluoroethylene  Tetrafluoroethylene (USA: added to TRI for RY2011)  Ing substances  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parlament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1).  Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))  HCFC-21, Dichlorofluoromethane  HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane  HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane		-	-	1			10,000	100			
3296-90-0  LCL-61  79-94-7  126-72-7  75-02-5  116-14-3  Ozone depleti  LCL-62	Perchloromethyl mercaptan  Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)  Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride  Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene  Tetrafluoroethylene (USA: added to TRI for RY2011)  ing substances  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (HCFCs)  C2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1).  Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))  HCFC-21, Dichlorofluoromethane  HCFC-22, Chlorodifluoromethane		-	-	1			10,000	100			
3296-90-0  LCL-61  79-94-7  126-72-7  75-02-5  116-14-3  Ozone depleti  LCL-62  75-43-4  75-45-6  354-14-3	Perchloromethyl mercaptan  Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)  Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride  Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene  Tetrafluoroethylene (USA: added to TRI for RY2011)  ing substances  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1).  Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))  HCFC-21, Dichlorofluoromethane  HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane  HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane  HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)			-	1			10,000	100			
3296-90-0  LCL-61  79-94-7  126-72-7  75-02-5  116-14-3  Ozone depleti  LCL-62  75-43-4  75-45-6  354-14-3  354-11-0	Perchloromethyl mercaptan Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011) Polybrominated biphenyls (PBBs) Polybrominated biphenyls Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA) Tris(2,3-dibromoproyl)phosphate Tris(2,3-dibromoproyl)phosphate Vinyl Fluoride Vinyl Fluoride (added to TRI for RY2011) Tetrafluoroethylene Tetrafluoroethylene Tetrafluoroethylene (USA: added to TRI for RY2011) Ing substances Hydrochlorofluorocarbons (HCFCs) Hydrochlorofluorocarbons (HCFCs) Hydrochlorofluorocarbons (HCFCs) Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1) HCFC-21, Dichlorofluoromethane HCFC-212, (1,1,2,2-Tetrachloro-1-fluoroethane HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not			-	1			10,000	100			
3296-90-0  LCL-61  79-94-7  126-72-7  75-02-5  116-14-3  Ozone depleti  LCL-62  75-43-4  75-45-6  354-14-3  354-11-0  41834-16-6	Perchloromethyl mercaptan  Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)  Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride  Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene  Tetrafluoroethylene (USA: added to TRI for RY2011)  ing substances  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))  HCFC-21, Dichlorofluoromethane  HCFC-122, (All isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)  Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)  HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-			-	1			10,000	100			
3296-90-0  LCL-61  79-94-7  126-72-7  75-02-5  116-14-3  Ozone depleti  LCL-62  75-43-4  75-45-6  354-14-3  354-11-0  41834-16-6  34077-87-7	Perchloromethyl mercaptan  Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)  Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride  Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene  Tetrafluoroethylene  Tetrafluoroethylene (USA: added to TRI for RY2011)  ing substances  Hydrochlorofluorocarbons (HCFCs)  H			-	1			10,000	100			
3296-90-0  LCL-61  79-94-7  126-72-7  75-02-5  116-14-3  Ozone depleti  LCL-62  75-43-4 75-45-6 354-14-3 354-11-0  41834-16-6  34077-87-7  306-83-2 354-23-4	Perchloromethyl mercaptan  Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)  Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride  Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene  Tetrafluoroethylene (USA: added to TRI for RY2011)  ing substances  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))  HCFC-21, Dichlorofluoromethane  HCFC-122, (All isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)  Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)  HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: Total of Hopping Substance / Reference / Re			-	1			10,000	100			
3296-90-0  LCL-61  79-94-7  126-72-7  75-02-5  116-14-3  Ozone depleti  LCL-62  75-43-4  75-45-6  354-14-3  354-11-0  41834-16-6  34077-87-7	Perchloromethyl mercaptan  Perchloromethyl mercaptan  2,2-bis(Bromomethyl)-1,3-propanediol  2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)  Polybrominated biphenyls  Tetrabromobisphenol A (TBBPA)  Tetrabromobisphenol A (TBBPA)  Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride  Vinyl Fluoride (added to TRI for RY2011)  Tetrafluoroethylene  Tetrafluoroethylene (USA: added to TRI for RY2011)  ing substances  Hydrochlorofluorocarbons (HCFCs)  Hydrochlorofluorocarbons (				1			10,000	100			

Pollutant		Thresholds,	EU: E-PRTF	2	Thresholds, I	Kiev Protoc	ol Impleme	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	to Land	Manufacture, Process or Use (kg/year)	Off-Site Transfers
63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0 $$								
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)								
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)								
1649-08-7 75-88-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b 2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)								
1717-00-6	HCFC-141b / 1,1-dichloro-1-fluoroethane								
75-68-3	HCFC-142b / 1-chloro-1,1-difluoroethane								
127564-92-5	Dichloropentafluoropropane								
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)								
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane								
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane								
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane								
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane								
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane								
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane								
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane								
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane				1				
431-07-2	Chlorotrifluoroethane (HCFC-133)				-				
LCL-63	Chlorofluorocarbon (CFCs) Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No	1			1	_		10,000	100
	2037/2000)	·						. 5,000	
75-69-4	CFC-11, Trichlorofluoromethane								
75-71-8	CFC-12, Dichlorodifluoromethane								
76-13-1	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro		_						_
	1,2,2,-trifluoro-]								
76-14-2	CFC-114, Dichlorotetrafluoroethane								
76-15-3	CFC-115, Monochloropentafluoroethane								
75-72-9	CFC-13, Chlorotrifluoromethane								
LCL-64	CFC-112, Tetrachlorodifluoroethane								
	Halons								
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)	1	-	-	1	-	-	10,000	100
353-59-3	Halon 1211, Bromochlorodifluoromethane								
75-63-8	Halon 1301, Bromotrifluoromethane								
124-73-2	Dibromotetrafluoroethane (Halon 2402)								
74-83-9	Bromomethane (Methyl bromide)								
Greenhouse g									
	Carbon dioxide (CO2)								
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	100,000,000	-	-	100,000,000	-	-	#	-
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.  Methane (CH4)								
	· ,				-				
74-82-8	Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	100,000	-	-	100,000	-	-	#	-

Pollutant		Thresholds, I	U: E-PRTR	₹	Thresholds, I	Kiev Protoc	col Impleme	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
10024-97-2	Nitrous oxide (N2O)  Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	10,000	-	-	10,000	-	-	#	-
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC1343, HFC1354, HFC1354, HFC1354, HFC1354, HFC1433, HFC1433, HFC227ea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australiar Government. The national inventory forms the foundation for Australiar's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	100	-	-	100	-	-	#	-
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Perfluorocarbons (PFCs)								
LCL-67	Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	100	-	-	100	-	-	#	-

CAS Number   Politicant Name   Processor to (highyward)   Number to Land   Processor to (highyward)   Number to Land   Processor to the power and processo				Thresholds, E	EU: E-PRTF	₹	Thresholds, I	Kiev Protoc	col Impleme	entation Guideli	ines
large amount of greenhouse gase, (SMIG) to account and report their ensources to the generation of the circle with the common and the common					to Water	to Land		to Water	to Land		Off-Site Transfers
U.S. 19% Tell Program does not collect release or other waste management quantities of Citis Network, Pt. 12, 15% Office of AI and Radiation (OAR) recently implemented registations which requires and supprise in the United States. These data and information will be made exalibite to the public.  Sulphur heartfuncing (SFQ)  Sulphur heart	large amount of emissions to the reported data ba Countermeasure national greenho	greenhouse gases (GHGs) to government annually. The gased on the Act on Promotion es since 2006. In addition, th ouse gas inventory and repo	o account and report their government publicizes the n of Global Warming e government develops rts it every year to the								
Suiphur hexafluoride (SHs) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The Accounts are published annually by the Australian Government. The State Committee of the	U.S. EPA's TRI Pr management qu Radiation (OAR) reporting of GHO and suppliers in	rogram does not collect relea uantities of GHGs. However, recently implemented regul G data and other relevant in the United States. These da	ise or other waste the U.S. EPA's Office of Air and ations which requires formation from large sources								
Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information for the development of demission integration and continued in the development of demission integration and the development of demission integration and the development of the development of demission integration and the development of the development of demission integration and the development of the development of demission and the development of the development annually in the general program of the MIDICCC secretarial under the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol, / USA: The U.S. EPA's TRP Program of the MIDICCC and the kyolo Protocol Pr	Sulphur hexafl	luoride (SF6)									
large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicies the reported data based on the Act on Promotion of Global Warming Countermeasures ince 2006, in addition, the government develops national greenhouse gas inventory and reports it every year to the UNINCCC scentration under the UNINCCC service and the kyrolo Protocol. JUSA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GMS. Nower, the U.S. EPA's TRI Program does not collect release or other waste management quantities of GMS. Nower, the U.S. EPA's TRI Program does not collect release or other waste management quantities of GMS. Nower, the U.S. EPA's TRI Program does not collect release or other waste management quantities of GMS. Nower, the U.S. EPA's TRI Program does not collect release or other waste management quantities of GMS. Nower, the U.S. EPA's TRI Program does not collect release or other waste management quantities of GMS. Nower, the U.S. EPA's TRI Program does not collect release or other waste management quantities of GMS. Nower, the U.S. EPA's Office of Air and Radiation (CAAI) cecently implemented regulations which requires reporting of GMS data and other release, the paid.  Other gases  Ammonia   Ammonia (Includes anhydrous ammonia and aqueues ammonia from water disociable ammonium salts and other sources; 10 percent of total aqueous ammonia from water disociable and other sources; 10 percent of total aqueous ammonia from water disociable under this listing (U.S.)  CLC-68   Ammonia (Total)   Ammonia (Includes anhydrous ammonia and aqueous ammonia from water disociable under this listing (U.S.)   10,000	Accounts are punational inventor climate change, and changes in the fundamental to programmes, whinternational correported to Cana	iblished annually by the Aust bry forms the foundation for By identifying and reporting these over time, the invento the development of domest hile also tracking Australia's mmitments. / Cdn: Greenho ada's Greenhouse Gas Emis	ralian Government. The Australia's efforts to address y emissions sources and sinks, ry provides information ic mitigation policies and progress towards meeting use gas emissions are sions Reporting Program	50	-	-	50	-	-	#	-
Ammonia   (Total)   Ammonia   Ammo	large amount of emissions to the reported data be Countermeasure national greenh UNFCCC secreta U.S. EPA's TRI Pr management qu Radiation (OAR) reporting of GHC and suppliers in	greenhouse gases (GHGs) to e government annually. The tased on the Act on Promotio es since 2006. In addition, th ouse gas inventory and repo- riat under the UNFCCC and trogram does not collect relea uantities of GHGs. However, recently implemented regul G data and other relevant int the United States. These dai	account and report their government publicizes the n of Global Warming e government develops rts it every year to the he Kyoto Protocol. / USA: The use or other waste the U.S. EPA's Office of Air and ations which requires formation from large sources								
Ammonia   Ammo	made available t	to the public.									
Total   Tota											
Chlorine and inorganic compounds (as HCI)   T782-50-5   Chlorine & compounds / Chlorine and inorganic compounds (as HCI)   10,000   - 10,000   - 10,000   - 10,000     Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)   Ethylene oxide   1,000   10   10   10,000   10   10	aqueous ammor sources; 10 perc listing) (USA)	nia from water dissociable ar cent of total aqueous ammor	mmonium salts and other	10,000	-	-	10,000	-	-	10,000	-
2782-50-5   Chlorine   CLC-69   Chlorine & compounds / Chlorine and inorganic compounds (as HCl)   10,000 10,000 10,000   10,000			ICI)								
Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)   Ethylene oxide		, , , , , , , , , , , , , , , , , , ,									
Ethylene oxide	Chlorine & comp	oounds / Chlorine and inorga	nic compounds (as HCl)	10,000	-	-	10,000	-	-	10,000	-
75-21-8	vapors, gas, fog,	, and other airborne forms o									
7726-95-6   Bromine   Chlorine dioxide	•	<u>e</u>		1,000	10	10	1,000	10	10	10,000	100
Chlorine dioxide   10049-04-4   Chlorine dioxide	Bromine										
Carbon monoxide   500,000   - 50,000   - 50,0		de									
Solution											
Transparent   Fluorine   Fluori	Carbon monoxid	de		500,000			500,000			#	
CLC-70   Fluorine and inorganic compounds (as HF)   5,000   -   5,000   -   10,000		norganic compounds (as I	IF)								
Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)   Nitrogen oxides	Fluorine and ino			5,000	-	-	5,000	-	-	10,000	-
11104-93-1	Hydrogen sulfide		ting requirements currently								
Sulphur oxides (SOx/SO2)			ogen oxides (NOx/NO2)	100,000			100,000			#	
water-soluble salts of bromic acid       LCL-71     water-soluble salts of bromic acid       Hydrocarbons (gases)	Sulphur oxides	s (SOx/SO2)								#	
Hydrocarbons (gases)           74-85-1         Ethylene           74-86-2         Acetylene	water-soluble	salts of bromic acid		.00,000			.55,000			п	
74-86-2 Acetylene	Hydrocarbons										
			·				<u> </u>				
	Propane										
115-07-1 Propylene LCL-72 Butane (all isomers)		ers)									
25167-67-3 Butene (all isomers)	Butene (all isom										
Mustard           505-60-2         Mustard Gas											
51-75-2 Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]	Nitrogen mustar		yl)-Nmethylethanamine]								
Diazomethane  334-88-3 Diazomethane		9									
	Ozone										

March   Company   Compan	Pollutant		Thresholds,	EU: E-PRTR	R	Thresholds, I	Kiev Protoc	col Implem	entation Guideli	nes
Subtry Noordes  1965 12	CAS Number	Pollutant Name		to Water	to Land		to Water	to Land	Process or	Off-Site Transfers
	10028-15-6									
Programme   Prog	2699-79-8	·								
Polycycle amounts hydrocarbons (PAHs)	2033 73 0	•								
Polycycle amounts (hydroxenbore (PANH)	7803-51-2									
Package   Pack	Polycyclic aror									
ACCOUNT OF THE PROPERTY OF THE	ICI-73									
Independ 2.4 sendpromy (IS-29 a) Peleyses commission companies (PAP) Peleyses commission (PAP) P	202 73									
Acceptable accounting complement (PAS) of Sections on International Passage (International	LCL-74		50	5	5	50	5	5	50	50
Revoluplamtharous (RAL Feducided in the Polycyclic aromatic compounds (PAC) clastering).  1879-29  187	LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the								
PACS   Composite PACS   Included in the Polycycle aromate	56-55-3	Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds								
Compounds (PAC) actegory)  105-40	30 33 3									
compounds (PAG) designary) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.91 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.92 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.93 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.94 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.95 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.96 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.96 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.96 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.97 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.97 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.98 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced in the Polycyclic anomatic compounds (PAG) caregory) 709.99 Introduced introd	205-99-2									
	205-82-3									
Photographic   Photography	207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic								
(PASC) estageny) (PASC)	206-44-0	Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the Polycyclic aromatic compounds (PACs) category)	-	1	-					
compounds (PAG) a reagony)  228 - 48	189-55-9	(PACs) category)								
(PAG) category)  224-42.0 [Description (USA: included in the Polycyclic aromatic compounds (PAG) category)  237-93 [PAG) category)  248-42.0 [PAG) category)  249-52 [PAG) category)  249-52 [PAG) category)  249-52 [PAG) category)  259-54 [PAG) category)  259-55 [PAG) category)  259-55 [PAG) category)  259-56 [PAG) category)  259-57 [PAG) category)  259-56 [PAG) category)  259-56 [PAG) category)  259-57 [PAG) category)  259-56 [PAG) category)  259-56 [PAG) category)  259-57 [PAG) category)  259-57 [PAG) category)  259-57 [PAG) category)  259-58 [PAG) category)  259-59 [PAG) category  25	218-01-9	compounds (PACs) category)								
424-40 Oberval, alexidine (USA: included in the Polycyclic aromatic compounds (PAG) extegory) 43-70-3 Destroyle plantifactories (USA: included in the Polycyclic aromatic compounds (PAG) category) 49-50-2 compounds (PAG) category) 49-50-2 compounds (PAG) category) 49-50-2 compounds (PAG) category) 49-50-3 Oberval, alexinded in the Polycyclic aromatic compounds (PAG) category) 49-50-4 (PAG) category) 49-50-4 (PAG) category) 49-50-4 (PAG) category) 49-50-4 (PAG) category) 49-50-5 (PAG) category) 49-50-6 (PAG) category) 49-50-7 (PAG) category 49-50-7 (PAG) category 49-50-7 (PAG) category 49-50-7 (PAG) category 49-50-7 (PAG) ca		(PACs) category)								
(PAC) category)  33-70-1 Demotor(a) plantracene (USA) included in the Polycyclic aromatic compounds (PAC) category)  3385-75-1 compounds (PAC) category)  339-75-1 compounds (PAC) category)  390-80-80-80-80-80-80-80-80-80-80-80-80-80		(PACs) category)								
Groupouds (PAG) category)  194-99-2 Problemote (gehat become (USA: included in the Polycyclic aromatic compounds (PAG) category)  195-95-4 (PAG) category (PAG) category)  196-96-96 Problemote (gehat become the page of the		Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic								
compounds (PACs) category)  192-564  192-564  192-565554  192-5654  192-5654  192-565554  192-5655554  192-5655554  192-5655555555555555555555555555555555555	194-59-2	7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic								
Dibenzo(a.) prymer (USA: included in the Polycyclic aromatic compounds (PACs) category)	5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic								
Dibero(a) pyrene (USA: included in the Polycyclic aromatic compounds (PAGS) category)  191-30-0 [PAGS) category    71.2-Dimetrylipen(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PAGS) category)  193-39-5 [PAGS) category    193-39-5 [PAGS) category    193-39-5 [PAGS) category    194-60-6 [PAGS) category    195-64-9 [PAGS] category    195-65-9	192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds								
(PAS) clagory)  77-9-6 (PAS) clagory)  77-9-7-6 (PAS) clategory)  77-9-7-6 (PAS) clategory)  93-39-5 (compounds (PAS) clategory)  93-39-5 (compounds (PAS) clategory)  94-9-9-5 (PAS) clategory)  95-9-7-4 (PAS) clategory)  1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PAS) clategory)  1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PAS) clategory)  1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PAS) clategory)  1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PAS) clategory)  1-Robintropyrene (USA: included in the Polycyclic aromatic compounds (PAS) clategory)  1-Robintropyrene (ASA: clategory)  1-Robintropyrene (BA: clategory)  1-Robintropyrene (BA: clategory)  1-Robintropyrene (BA: clategory)  1-Robintropyrene (BA: clategory)  1-Robi	189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds								
193-39-5 compounds (PACs) category) 193-39-5 compounds (PACs) category) 193-39-5 compounds (PACs) category) 196-79-43 Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category) 196-79-43 (PACs) category) 196-79-43 (PACs) category) 197-79-64 (PACs) category) 197-79-65 (PACs) category) 197-79-65 (PACs) category) 197-79-65 (PACs) category) 197-79-66 (PACs) category) 197-79-66 (PACs) category) 197-79-66 (PACs) category) 197-79-67-68 (PACs) category) 197-79-68 (PACs) category) 197-79-68 (PACs) category) 197-79-68 (PACs) category) 197-79-79-79-79-79-79-79-79-79-79-79-79-7	191-30-0	Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds								
39-39-5 compounds (PACs) category) 36-49-5 Abethylcholanthree (USA: included in the Polycyclic aromatic compounds (PACs) category) 3697-24-3 Shethylchorsene (USA: included in the Polycyclic aromatic compounds (PACs) category) 32397-64-8 1,6-Dintropyrene (JSA: included in the Polycyclic aromatic compounds (PACs) category) 32397-65-9 1,8-Dintropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category) 32397-65-9 1,8-Dintropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category) 32397-65-9 4 - Shirtopyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category) 32397-65-9 4 - Shirtopyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category) 32397-65-9 4 - Shirtopyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category) 32397-65-9 4 - Shirtopyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category) 32397-65-9 4 - Shirtopyrene (pin-PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually) 32397-69 4 - Shirtopyrene (pin-PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually) 32397-69 5 5 5 5 5 5 5 5 5 5 6 6 6 7 7 7 9 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	57-97-6	aromatic compounds (PACs) category)								
Service   Serv	193-39-5	compounds (PACs) category)								
(9ACS) category)  1-Nitropyrene (JSA: included in the Polycyclic aromatic compounds (PACS) category)  12397-64-8  1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  12997-65-9  1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  496-02-8  6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  5-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  5-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  5-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  5-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category (added to TRI for RY2011, included in the Polycyclic aroma	56-49-5	compounds (PACs) category)								
12397-64-8	3697-24-3	(PACs) category)								
aromatic compounds (PACs) category)  12397-65-9  1,8-Dintropyrene (added to TRi for RY2011, included in the Polycyclic aromatic compounds (PACs) category)  4-Nitropyrene (added to TRi for RY2011, included in the Polycyclic aromatic compounds (PACs) category)  4-Nitropyrene (added to TRi for RY2011, included in the Polycyclic aromatic compounds (PACs) category)  3001-58-9  120-12-7  Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  191-24-2  191-20-3  191-20-3  191-20-3  191-20-4  191-20-4  191-20-5  191-20-6  191-20-7  191-20-7  191-20-8  191-20-8  191-20-9		category)								
Aronatic Compounds (PACs) category) APG-02-8 G-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category) A-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category) A-Nitropyrene (Apcs) category)  120-12-7 Anthracene (Ipn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  191-24-2 Benzo(g,h,l)perylene - 1		1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic								
4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)  7001-58-9 Creosote  120-12-7 Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  191-24-2 Benzo(B,h))perylene  100-10-10-10-10-10-10-10-10-10-10-10-10-	7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic								
20-12-7   Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)   50	57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic								
intentionally used and therefore listed individually)  191-24-2 Benzo(g,h,i)perylene  101-20-3 Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  100 10 10 10 10 10 10 10 10 10 10 10 10	8001-58-9	Creosote								
Intentionally used and therefore listed individually)  191-20-3  Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  CL-76  methylnaphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  accnaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  acaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  83-32-9  Benzo(e)pyrene  192-97-2  Benzo(e)pyrene  198-55-0  Perylene  129-00-0  Pyrene  208-96-8  Acenaphthylene - PAH  Other organic substances  Acetonitrile  5-50-58  Acetonitrile  Acrolein  107-02-8  Acrolein	120-12-7		50	1	1	50	1	1	50	50
Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  CL-76  methylnaphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  as-3-2-9  acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  55-01-8  Phenanthrene  192-97-2  Benzo(e)pyrene  192-97-0  Pyrene  129-00-0  Pyrene  129-00-0  Pyrene  208-96-8  Acenaphthylene - PAH  Other organic substances  Acetonitrile  Acrolein  107-02-8  Acrolein	191-24-2									
chemicals intentionally used and therefore listed individually)  33-32-9     acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)  35-01-8     Phenanthrene 192-97-2     Benzo(e)pyrene 198-95-0     Pyrene 1028-96-8     Acenaphthylene - PAH 105-07-37     Fluorene - PAH 105-07-37     Fluorene - PAH 105-07-38     Acetonitrile 105-05-8     Acetonitrile 105-05-8     Acrolein 107-02-8     Acrolein	91-20-3	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)				100	10	10	10,000	100
intentionally used and therefore listed individually	LCL-76	chemicals intentionally used and therefore listed individually)								
192-97-2   Benzo(e)pyrene	83-32-9 85-01-8	intentionally used and therefore listed individually)								
198-55-0       Perylene         129-00-0       Pyrene         208-96-8       Acenaphthylene - PAH         36-73-7       Fluorene - PAH         Other organic substances         Acetonitrile         75-05-8       Acetonitrile         Acrolein       Interval of the property of the part of the	85-01-8 192-97-2									
208-96-8       Acenaphthylene - PAH         36-73-7       Fluorene - PAH         Other organic substances         Acetonitrile         75-05-8       Acetonitrile         Acrolein       107-02-8         Acrolein       107-02-8	198-55-0	Perylene								
Se-73-7   Fluorene - PAH	129-00-0 208-96-8									
Other organic substances         Acetonitrile           75-05-8         Acetonitrile           Acrolein         1007-02-8           Acrolein         1007-02-8	86-73-7									
75-05-8 Acetonitrile Acrolein CONTROL										
Acrolein         107-02-8         Acrolein	75.05.2									
107-02-8 Acrolein	75-05-8									
	107-02-8					-				
		Acrylamid					_		_	

Pollutant		Thresholds, I	EU: E-PRTF	ł	Thresholds, I	(iev Protoc	ol Impleme	entation Guidel	ines
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water	Release to Land		Off-Site Transfers
79-06-1	Acrylamid								<u> </u>
	Acrylic and methacrylic acid								
79-10-7	Acrylic acid / acrylic acid and its water-soluble salts (Jpn)								
79-41-4	methacrylic acid								
	Acrylic and methacrylic acid esters								
818-61-1	2-hydroxyethyl acrylate	<u> </u>							
13048-33-4 80-62-6	hexamethylene diacrylate  Methyl methacrylate	<del> </del>							
96-33-3	Methyl acrylate  Methyl acrylate								
140-88-5	Ethyl acrylate								
97-88-1	n-butyl methacrylate								
105-16-8	2-(diethylamino)ethyl methacrylate								
106-91-2	2,3-epoxypropyl methacrylate	<u> </u>							
688-84-6 2867-47-2	2-ethylhexyl methacrylate 2-(dimethylamino)ethyl methacrylate								
141-32-2	Butyl acrylate								
2439-35-2	2-(dimethylamino)ethyl acrylate								
	Acrylonitrile and methacrylonitrile								
107-13-1	Acrylonitrile								
126-98-7	Methacrylonitrile								
	Aldehydes								
75-07-0	Acetaldehyde							·	
78-84-2	Isobutyraldehyde	<del></del>							
90-02-8	Salicylaldehyde Pagraldehyde	<del></del>							
100-52-7 111-30-8	Benzaldehyde Glutaraldehyde	<del>                                     </del>							
123-38-6	Propionaldehyde	<del>                                     </del>							
123-63-7	Paraldehyde								
123-72-8	Butyraldehyde								
4170-30-3	Crotonaldehyde / 2-butenal							·	
	Anilines								
62-53-3	Aniline								
LCL-77	toluidine								
95-53-4 636-21-5	o-toluidine o-toluidine hydrochloride	<u> </u>							
95-68-1	2,4-dimethylaniline								
87-62-7	2,6-dimethylaniline / 2,6-Xylidine								
121-69-7	N,N-Dimethylaniline (and its salts)								
101-77-9	4,4'-methylenedianiline								
120-71-8	p-cresidine (2-methoxy-5-methylaniline)								
134-29-2	O-Anisidine hydrochloride								
123-30-8 591-27-5	p-aminophenol m-aminophenol								
25376-45-8	Diaminotoluene (mixed isomers) / toluenediamine (Jpn)								
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)								
139-65-1	4,4'-Thiodianiline								
90-04-0	o-anisidine	<u> </u>							
104-94-9	p-anisidine	<u> </u>							
615-05-4 39156-41-7	2,4-diaminoanisole 2.4-diaminoanisole sulfate	<del> </del>							
33130-41-7	Biphenyl								
92-52-4	Biphenyl (1,1-biphenyl)								
32 32 <del>4</del>	C3-Benzenes								
95-63-6	1,2,4-Trimethylbenzene								
108-67-8	1,3,5-trimethylbenzene								
25551-13-7	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)								
98-82-8	Cumene (1-methylethylbenzene)	<u> </u>							
	Hydrocarbons (liquids)	<b></b>							
110-54-3	n-Hexane Cycle beyone	<del> </del>							
110-82-7 LCL-78	Cyclohexane Pentane (all isomers)	<del>                                     </del>							
LCL-79	Pentene (all isomers)	<del>                                     </del>							
LCL-80	Hexane (all isomers excluding n-hexane)								
25264-93-1	Hexene (all isomers)								
LCL-81	Heptane (all isomers)								
LCL-82	Octane (all isomers)							·	-
LCL-83	Nonane (all isomers)	<del></del>							
LCL-84 LCL-85	Decane (all isomers)  Dodecane (all isomers)	<del></del>							
8052-41-3	Stoddard solvent	<del>                                     </del>							
64475-85-0	Mineral spirits								
64741-65-7	Heavy alkylate naphtha								
64742-47-8	Hydrotreated light distillate					-	-	·	
64742-48-9	Hydrotreated heavy naphtha							·	-
64742-88-7	Solvent naphtha medium aliphatic	<del> </del>							
64742-89-8 64742-94-5	Solvent naphtha light aliphatic Heavy aromatic solvent naphtha	<del>                                     </del>			<b> </b>				
64742-94-5	Light aromatic solvent naphtha	<del>                                     </del>			<b> </b>				
8030-30-6	Naphtha	<u> </u>							
8032-32-4	VM & P naphtha								
8042-47-5	White mineral oil								
LCL-86	Cycloheptane (all isomers)								
LCL-87	Cyclohexene (all isomers)	<del></del>							
LCL-88	Cyclooctane (all isomers)	<del></del>							
	BTEX  Persona (E-DPTP: Single pollutants are to be reported if the threshold for								
71-43-2	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is	1,000	200	200	1,000	200	200	10,000	2,000
, 1 43.2	exceeded)	1,000	200	200	1,000	200	200	10,000	۷,000

Pollutant		Thresholds,	EU: E-PRTR		Thresholds, I	(iev Protoc	ol Impleme	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	-	200	200	-	200	200	10,000	2,000
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	-	200	200	-	200	200	10,000	2,000
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	-	200	200	-	200	200	10,000	2,000
95-47-6 106-42-3	o-xylene								
108-38-3	m-xylene								
106-99-0	1,3-Butadiene								
75-15-0	Carbon disulfide Carbon disulfide / Carbon disulphide								
73-13-0	Diisocyanates								
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)								
5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)								
4098-71-9	Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-								
9016-87-9	isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn) Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)								
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as								
	Diisocyanates)  2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as								
15646-96-5 822-06-0	Diisocyanates)								
	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)  1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)								
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)								
	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)								
134190-37-7	Diethyldisocyanatobenzene (USA: specified as Diisocyanates)								
4128-73-8 75790-87-3	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates) 2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)								
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as								
91-97-4	Diisocyanates) 3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as								
139-25-3	Diisocyanates) 3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as Diisocyanates)								
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as Diisocyanates)								
3173-72-6	1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-naphthalenediyl diisocyanate (Jpn)								
123-61-5 104-49-4	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates) 1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)								
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)								
	Toluenediisocyanates								
584-84-9	Toluene-2,4-diisocyanate								
91-08-7 26471-62-5	Toluene-2,6-diisocyanate Toluenediisocyanate (mixed isomers) / tolylene diisocyanate								
	2-Ethoxyethanol								
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether  Methoxyethanol								
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether								
50-00-0	Formaldehyde Formaldehyde								
30 00-0	Glycol ethers								
LCL-90	certain glycol ethers								
112-34-5 112-25-4	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)  Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)								
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)  2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain								
110-49-6	glycol ethers)								
111-76-2 111-15-9	2-Butoxyethanol (USA: incl. in certain glycol ethers) 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain								
	glycol ethers)  Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)								
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)								
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)								
	4,4'-methylenebis[2-chloroaniline]								
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)								
	Organotin compounds (as total Sn)		· · ·	·		·	<del></del>		· · · · · ·
LCL-91 LCL-92	Organotin compounds (as total Sn) / organic tin compounds (Jpn) Tributyltin and compounds	-		50 1	-	50 1	50 1	10,000 10,000	50 5
56-35-9	Bis(tributyltin) oxide							10,000	
1983-10-4	Tributyltin fluoride Tributyltin motherulate								
2155-70-6 LCL-93	Tributyltin methacrylate Triphenyltin and compounds	-	1	1	-	1	1	10,000	5
639-58-7	Triphenyltin chloride			•		•		-,	
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide	148							

Reference   Post   Common   Post   Common   Reference   Common	Pollutant		Thresholds,	FU: F-PRTR	•	Thresholds, I	Ciev Protoc	col Implem	entation Guideli	nes
Presenting strated (of APPINE Total mass of phront and simply schooland   . 20 2 . 20 20 10,000 20		Pollutant Name	Release to	Release to Water	Release to Land	Release to	Release to Water	Release to Land	Manufacture, Process or	
Hercols in total City Service Color and Service and Service	76-87-9									
Part									40.000	
		phenols)	-	20	20	-	20	20	10,000	200
16.5   For   1.5										
105-37-14   Control page   Control	95-48-7									
130-716   Jestin phesis	106-44-5									
179.28   2.   2.										
2,501.4.0   2,60	576-26-1									
2.4.0 test buyiphroot	105-67-9									
20.25   Contemplate   Contem										
2	89-72-5									
1949-19	98-54-4									
Philabates										
131-145	108-98-5									
		Phthalates								
Score   Derry physical	117-81-7		10	1	1	10	1	1	10,000	100
	117-84-0									
	84-66-2	Diethyl phthalate		_	_		_	_		
13.1179   Syrere										
Syrenes	131-11-3									
8693   Syrene oxide, phenyloriane										
1883   2	100-42-5	Styrene	-			-		-		
20092744   Octablorostyree										
13.825   2.4 distrosphenol   2- distrophenol   2- distrophenol   2- distrophenol   10.002.7   patrophenol (and its saits) (Clin / partrophenol (pan) / 4- Altrophenol   10.002.7   patrophenol (and its saits) (Clin / partrophenol (pan) / 4- Altrophenol   10.002.7   patrophenol (and its saits) (Clin / partrophenol (pan) / 4- Altrophenol   10.002.7   12.002.7   1	29082-74-4									
237-55   2-1 methyloropyl-4-5 dintrophenol (2-ntrophenol   2-ntrophenol   2-ntr		Aromatic nitro compounds								
	51-28-5									
1995										
18-722   Ontrologuene	100-02-7									
121-14-2	534-52-1									
18.744   Ontroamline	606-20-2	2,6-Dinitrotoluene								
100-11-6   p-Nitrosniline	25321-14-6									
99.54.1 1,2-dichloro-4-nitrobenzene 99.51.2 1,4-dichloro-2-nitrobenzene 99.52.7 1,4-dichloro-2-nitrobenzene 99.52.8 1,5-dinor-4-nitrobenzene 99.53.8 1,5-dinor-4-nitrobenzene 99.55.9 m-Dintrobenzene 99.55.8 m-Dintrobenzene 99.55.8 m-Dintrobenzene 99.55.8 m-Dintrobenzene 99.55.8 m-Dintrobenzene 99.55.9 m-Dintrobenzene										
27.00.7   1.chioro_2.4.dnitrobenzene	99-54-7									
121.87-9   2.chloro-Introanline	89-61-2									
88-73   2-chlorontrobenzene										
1965-0   m-Dintroberace	88-73-3	2-chloronitrobenzene								
100-25-4   P. Dinitrobenzene	98-95-3									
232-290   O-Dintrobenzene										
100-00-5   p-nitrochlorobenzene	528-29-0	o-Dinitrobenzene								
88.85-7   Dintrobutyl phenol (Dinoseb)										
39-59-2   S-nitro-anistidine	88-85-7									
91-23-6   O-Nitroanisole (added to TRI for RY2011)	88-89-1	Picric acid (2,4,6-trinitrophenol)								
Bisphenol A   4,4'-isopropylidenediphenol / bisphenol A	99-59-2				·					
1,2-Butylene oxide	31-23-0									
1,2-Butylene oxide / 1,2-epoxybutane	80-05-7									
Calcium cyanamide					-		-	•		
Catechol	106-88-7									
Catechol	156-62-7	· · · · · · · · · · · · · · · · · · ·								
Catechol / pyrocatechol   Cumene hydroperoxide   Cumene hydroperoxide   Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide   Cyclic ethers   Cyclic	_55 5£ 7									
Cyclic ethers   Cyclic ether	120-80-9	Catechol / pyrocatechol								
Cyclic ethers         1,4-Dioxane           109-99-9         Tetrahydrofuran           Dicyclopentadiene	00.45.0									
123-91-1 1,4-Dioxane 109-99-9 Tetrahydrofuran  Dicyclopentadiene  77-73-6 Dicyclopentadiene  Diphenylamine  122-39-4 Diphenylamine  Epichlorohydrin  Epichlorohydrin  Epoxy compounds  Forylene oxide (1,2-epoxypropane)  106-92-3 1-allyloxy-2,3-epoxypropyl phenyl ether  2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)  1464-53-5 Diepoxybutane  2451-62-9 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	00-12-9					1				
Tetrahydrofuran	123-91-1									
77-73-6 Dicyclopentadiene	109-99-9	Tetrahydrofuran								
Diphenylamine   Diphenylamin	77.70.6	· ·								
122-39-4   Diphenylamine   Epichlorohydrin   Diphenylamine	//-/3-b					1				
Epichlorohydrin   Epoxy compounds   Epoxy comp	122-39-4	· ·								
Epoxy compounds   Propylene oxide (1,2-epoxypropane)		Epichlorohydrin								
Propylene oxide (1,2-epoxypropane)	106-89-8									
1-allyloxy-2,3-epoxypropane 122-60-1 2,3-epoxypropyl phenyl ether 556-52-5 2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011) 1464-53-5 Diepoxybutane 2451-62-9 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	75-56 0									
122-60-1       2,3-epoxypropyl phenyl ether         556-52-5       2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)         1464-53-5       Diepoxybutane         2451-62-9       1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	106-92-3									
1464-53-5 Diepoxybutane 2451-62-9 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	122-60-1									
1464-53-5 Diepoxybutane 2451-62-9 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)								
2451-62-9 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	1464-53-5									
Ethylene glycol	2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione								
		Ethylene glycol								

Pollutant		Thresholds,	EII: E.DDTE	)	Throsholds I	Ciay Protoc	ol Implom	entation Guideli	noe
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water	Release to Land	Manufacture, Process or Use (kg/year)	Off-Site Transfers
107-21-1	Ethylene glycol								
06.45.7	Ethylene thiourea	4							
96-45-7	Ethylene thiourea (2-imidazolidinethione)  Hydrazines								
302-01-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)								
10034-93-2	Hydrazine sulfate								
57-14-7	1,1-Dimethyl hydrazine								
60-34-4 100-63-0	Methyl hydrazine phenylhydrazine	-							
122-66-7	1,2-Diphenylhydrazine								
	Ketone solvents								
67-64-1	Acetone								
108-10-1	Methyl isobutyl ketone	4							
78-93-3 106-35-4	Methyl ethyl ketone Ethyl butyl ketone								
100 33 1	Maleic anhydride								
108-31-6	Maleic anhydride								
	N,N-Dimethylformamide								
68-12-2	N,N-Dimethylformamide								
FF 62 0	Nitroglycerin								
55-63-0	Nitroglycerin Nitrilotriacetic acid								
100.10.0									
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)  Nonylphenol								
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and	_	1	1	-	1	1	10,000	5
	its ethoxylates	<u> </u>	· ·	- '				10,000	3
25154-52-3	Nonylphenol Octylphenol	1							
	Octylphenols and Octylphenols ethoxylates / Octylphenol and its								
1806-26-4	ethoxylates		1						
LCL-96	p-octylphenol								
9036-19-5	poly(oxyethylene) octylphenyl ether								
LCL-97	Phenylenediamines phenylenediamine								
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)				1				
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)								
108-45-2 615-28-1	m-phenylenediamine (1,3-Phenylenediamine) 1,2-phenylenediamine dihydrochloride								
624-18-0	1,4-phenylenediamine dihydrochloride								
	Phthalic anhydride								
85-44-9	Phthalic anhydride								
	Pyridines								
110-86-1 100-69-6	Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn) 2-vinylpyridine								
108-99-6	3-methylpyridine								
109-06-8	2-Methylpyridine								
	Quinoline								
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)	4							
106-51-4	Quinones Quinone, p-Quinone								
123-31-9	Hydroquinone								
82-28-0	1-AMINO-2-METHYLANTHRAQUINONE								
82-45-1	1-amino-9,10-anthraquinone								
118-75-2 117-79-3	2,3,5,6-tetrachloro-p-benzoquinone 2-AMINOANTHRAQUINONE	<del>                                     </del>							
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)	<del>                                     </del>							
LCL-98	Anthraquinone (all isomers)								
	Saturated alcohols								
67-56-1	Methanol	<del></del>				· <u> </u>			
64-17-5	Ethanol Isopropyl alcohol (USA: (only persons who manufacture by the strong acid	1							
67-63-0	process are subject, no supplier notification)				<u></u>				
71-36-3	n-Butyl alcohol						-	· · · · · · · · · · · · · · · · · · ·	-
78-83-1	i-Butyl alcohol	1							
78-92-2 75-65-0	sec-Butyl alcohol tert-Butyl alcohol	1							
3452-97-9	3,5,5-trimethyl-1-hexanol								
143-08-8	1-nonanol / n-nonyl alcohol								
112-30-1	decyl alcohol / decanol								
112-53-8 111-87-5	1-dodecanol / n-dodecyl alcohol 1-Octanol	<del>                                     </del>							
111-0/-3	Thiourea								
62-56-6	Thiourea								
	Unsaturated aliphatic alcohols								
107-18-6	Allyl alcohol						-	· · · · · · · · · · · · · · · · · · ·	-
107-19-7	Propargyl alcohol	1							
108-05-4	Vinyl acetate Vinyl acetate	<del>                                     </del>							
100-05-4	Vinyl acetate  Volatile organic compounds (VOCs)								
	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the								
	definition of Schedule 1 [65] of the Canadian Environmental Protection								
LCL-99	Act, 1999see: http://www.ec.gc.ca/lcpe-								
	cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-F4BF-11069545E434).								
LCL-100	Non-methane volatile organic compounds (NMVOC)	100,000	-	-	100,000	-	-	#	-
LCL-101	Total volatile organic compounds				,				
		1.50							

Pollutant		Thresholds,	FII: F-PRTR	)	Thresholds I	Ciev Protoc	ol Implem	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water	Release to Land		Off-Site Transfers
	1,3-dioxolane								
646-06-0	1,3-dioxolane divinylbenzene								
1321-74-0	divinylbenzene								
101-84-8	diphenyl ether diphenyl ether								
101-04-0	Ethylenebisdithiocarbamic acid, salts and esters								
LCL-102	ethylenebisdithiocarbamic acid, salts and esters								
102-06-7	1,3-diphenylguanidine 1,3-diphenylguanidine								
	N,N-dimethylacetamide								
127-19-5	N,N-dimethylacetamide								
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine								
	hydrogenated terphenyl								
61788-32-7	hydrogenated terphenyl sodium salt of 2-sulfohexadecanoic acid 1-methyl ester								
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester								
-24.40.5	carbonic acids / dicarbonic acids								
334-48-5 124-04-9	decanoic acid Adipic acid								
149-57-5	2-ethylhexanoic acid								
151-21-3	sodium dodecyl sulfate sodium dodecyl sulfate				1				
	1,2-bis(2-chlorophenyl)hydrazine								
782-74-1	1,2-bis(2-chlorophenyl)hydrazine								
110-00-9	Furan (USA: added to TRI for RY2011)								
98-00-0	Furfuryl alcohol								
96 30 6	Nitrosodiphenylamine								
86-30-6 156-10-5	N-Nitrosodiphenylamine P-Nitrosodiphenylamine								
	Phosgene								
75-44-5	Phosgene Terpens								
68956-56-9	Terpene (all isomers)								
123-35-3 5989-27-5	Myrcene								
80-56-8	Limonene,D- Alpha-Pinene								
127-91-3 555-10-2	Beta-Pinene Beta-Phellandrene								
555-10-2	betanaphthol								
135-19-3	betanaphthol								
119-61-9	benzophenone benzophenone								
113 01 3	sodium poly(oxyethylene) dodecyl ether sulfate								
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate								
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14) n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)								
	poly(oxyethylene) alkyl ether (alkyl c=12-15)								
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)  Michler's ketone (and its salts)								
90-94-8	Michler's ketone (and its salts)  Michler's ketone (USA)								
	Adipate								
103-23-1	Bis(2-ehtylhexyl) adipate  Ethyl acetate								
141-78-6	Ethyl acetate								
92-87-5	Benzidine Benzidine							·	
91-94-1	3,3'-dichlorobenzidine								
119-90-4 612-83-9	3,3'-dimethoxybenzidine 3,3'-Dichlorobenzidine dihydrochloride						· <u></u> -		
612-83-9 119-93-7	3,3'-Dichlorobenzidine dinydrochloride 3,3'-dimethylbenzidine / o-tolidine								
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)						<del></del>	·	
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride								
111984-09-9 41766-75-0	3,3'-dimethoxybenzidine hydrochloride 3,3'-dimethoxybenzidine dihydrofluoride								
41766-75-0 64969-34-2	3,3'-dimethoxybenzidine dinydrofilioride 3,3'-dichlorobenzidine sulfate				<u> </u>				
04.50.7	Safroles								
94-59-7 94-58-6	Safrole Dihydrosafrole								
120-58-1	Isosafrole								
78-79-5	Isoprene Isoprene (USA: added to TRI for RY2011)	1			1				
.0 / 5-5	Methyleugenol								
93-15-2	Methyleugenol (added to TRI for RY2011)								
60-00-4	Ethylenediaminetetraacetic acid (EDTA)  Ethylenediaminetetraacetic acid				1				
55 00 4	Amines								
74-89-5	methylamine								
107-15-3 121-44-8	ethylenediamine Triethylamine								
124-40-3	Dimethylamine								
107-11-9 102-82-9	Allylamine / 3-amino-1-propene tributylamine				1				
102 02-3	choosponinc								

Pollutant		Thresholds,	EU: E-PRTR		Thresholds, Kiev Protocol Implementation Guidelin				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)		Manufacture, Process or Use (kg/year)	Off-Site Transfers
101-83-7	N,N-dicyclohexylamine								
112-18-5 108-91-8	N,N-dimethyldodecylamine cyclohexylamine								
100-91-0	Nitromethanes								
75-52-5	Nitromethane (added to TRI for RY2011)								
509-14-8	Tetranitromethane (added to TRI for RY2011)								
	Methyl iodide								
74-88-4	Methyl iodide								
	Phenolphthalein								
77-09-8	Phenolphthalein (added to TRI for RY2011)								
	Diethyl sulfate								
64-67-5	Diethyl sulfate								
	Dimethyl sulfate								
77-78-1	Dimethyl sulfate								
624-92-0	dimethyl disulfide dimethyl disulfide								
624-92-0	Cyclohexanol								
108-93-0	Cyclohexanol	1							
100-55-0	Benzoyl peroxide								
94-36-0	Benzoyl peroxide								
55 5	bis(1-methyl-1-phenylethyl) peroxide								
80-43-3	bis(1-methyl-1-phenylethyl) peroxide								
	tert-butyl hydroperoxide								
75-91-2	tert-butyl hydroperoxide				<u>L_</u>				
	2-Mercaptobenzothiazole				<u>L</u>				
149-30-4	2-Mercaptobenzothiazole								
	2-(morpholinodithio)benzothiazole								
95-32-9	2-(morpholinodithio)benzothiazole								
	Imines								
75-55-8	Propyleneimine								
151-56-4	ethyleneimine								
462.50.4	CARBONYL SULFIDE								
463-58-1	CARBONYL SULFIDE Toronbthalic acid								
100-21-0	Terephthalic acid Terephthalic acid								
100-21-0	Ethyl chloroformate								
541-41-3	Ethyl chloroformate								
341 41 3	N-Methyl-2-pyrrolidone								
872-50-4	N-Methyl-2-pyrrolidone								
	N-vinyl-2-pyrrolidone								
88-12-0	N-vinyl-2-pyrrolidone								
	Short chain fatty acids								
64-18-6	Formic acid								
64-19-7	Acetic acid (ethanoic acid)								
	Acetophenones								
98-86-2	Acetophenone								
532-27-4	2-chloroacetophenone								
70.24.0	Peracetic acid								
79-21-0	Peracetic acid (Peracetic acid (and its salts))								
357-57-3	Alkaloids Brucine								
LCL-105	strychnine and salts								
202 103	2-Nitropropane								
79-46-9	2-Nitropropane								
	Methyl tert-butyl ether								
1634-04-4	Methyl tert-butyl ether				<u>L_</u>				
	Diethanolamine				<u>L</u>				
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)								
	Dimethyldithiocarbamates								
128-04-1	Sodium Dimethyldithiocarbamate								
128-03-0	Potassium Dimethyldithiocarbamate								
137-41-7 LCL-106	Potassium N-methyldithiocarbamate water-soluble salts of dimethyldithiocarbamic acid								
FCF-100	TOC	<b> </b>			1				
LCL-107	Total organic carbon (TOC) (as total C or COD/3)	_	50,000		_	50,000		##	
	nces of plant protection products or biocidal products	<del>-</del>	50,000		<u> </u>	50,000		##	
Jubatai	Alachlor								
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	-	1	1	-	-	-	10,000	5
22.2300	Diuron		<u> </u>					. 0,000	
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU	-	1	1	-	1	1	10,000	5
	Triazine compounds			•				-,0	
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	-	1	1		1	1	10,000	5
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)	-	1	1	-	1	1	10,000	5
108-77-0	2,4,6-trichloro-1,3,5-triazine								
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine								
4502.00.0	Trifluralin							40.000	
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine )	-	1	1	-	1	1	10,000	5
1600 60 0	chloridazon								
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one				-				
21007.64.0	metribuzin  4 amino 6 tart butul 2 metbulthis 1.3.4 triazin E/AH) one	<del>                                     </del>			1				
21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one metamitron								
41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one								
71334-03°Z	fenamiphos				1				
		1			1				

Pollutant		Thresholds,	EU: E-PRTR	<b>l</b>	Thresholds, k	Ciev Protoc	ol Impleme	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water	Release to Land		Off-Site Transfers
22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate								
149877-41-8	bifenazate isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate flutolanil								
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide								
13516-27-3	iminoctadine 1,1'-[iminodi(octamethylene)]diguanidine								
36335-67-8	butamifos O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate  EPN								
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate  alanycarb								
83130-01-2	ethyl (2)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate								
98886-44-3	fosthiazate  O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate								
	mancozeb								
8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate) and zinc N,N'-ethylenebis(dithiocarbamate) $ \frac{1}{2} \sum_{i=1}^{n} \frac{1}{2} \sum_{i=1}$								
85-00-7	diquat dibromide 1,1'-ethylene-2,2'-bipyridinium dibromide								
55 00-7	etofenprox								
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether								
	mixture of emamectinB1a benzoate and emamectinB1b benzoate								
155569-91-8	emamectin benzoate tolfenpyrad								
129558-76-5	$\label{lem:condition} \mbox{$4$-chloro-3-ethyl-1-methyl-N-[$4-(p-tolyloxy)benzyl] pyrazole-5-carboxamide} \mbox{$fluazinam}$								
79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine pretilachlor								
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide								
7005 40 0	mecoprop								
7085-19-0	(RS)-2-(4-chloro-o-tolyloxy)propionic acid indanofan								
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione								
158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1- carboxamide hexythiazox								
78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide								
107534-96-3	tebuconazole (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol fenbuconazole								
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile								
99485-76-4	cumyluron 1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea								
139920-32-4	diclocymet  (RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide								
	tralomethrin								
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate								
57966-95-7	cymoxanil trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea cartap								
15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane iprodione								
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide tetraconazole								
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether  oxaziclomefone								
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one								
71561-11-0	pyrazoxyfen 2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone								
58011-68-0	pyrazolynate 4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate								
2247.22.6	dithianon								
3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone isoprothiolane								
50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate								
	carbosulfan				1				

Pollutant		Throcholds	EII. E DOTO	)	Throsholds I	Ciay Protoc	ol Implem	antation Guidali	noc
Pollutant		Thresholds,			Thresholds, I			entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	to Land	Manufacture, Process or Use (kg/year)	Off-Site Transfers
55205.44.0	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-								
55285-14-8	methylcarbamate								
24005 24 2	thiocyclam								
31895-21-3	5-dimethylamino-1,2,3-trithiane benfuracarb								
	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-								
82560-54-1	N-isopropylsulfenamoyl]-N-methylcarbamate								
	ioxynil octanoate								
3861-47-0	3,5-diiodo-4-octanoyloxybenzonitrile								
27255 22 2	phthalide								
27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one tefluthrin								
	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-								
79538-32-2	propenyl)-2,2-dimethylcyclopropanecarboxylate								
	cadusafos								
95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate								
	buprofezin								
69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one								
	tebufenozide								
112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide								
	diafenthiuron								
80060-09-9	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea								
	fenpyroximate								
134098-61-6	tert-butyl 4-({[(1,3-dimethyl-5-phenoxy-4- pyrazolyl)methylidene]aminooxy}methyl)benzoate								
	pyridaben pyridaben								
96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone								
	butachlor								
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide								
	ferimzone								
89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone								
	indoxacarb methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-								
173584-44-6	trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-								
	carboxylate								
	azoxystrobin								
131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-								
	methoxyacrylate								
144-54-7	Carbam N-methyldithiocarbamic acid								
111317	oxamyl								
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate								
23133-22-0									
	pyriminobac-methyl								
136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1- (methoxyimino)ethyl]benzoate								
	mepronil								
55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide								
	methomyl								
16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate								
	trifloxystrobin								
	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3-								
141517-21-7	(trifluoromethyl) phenyl] ethylidene] amino] oxy] methyl] phenyl] acetate								
	kresoxim-methyl	1							
143390-89-0	methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate								
	phenmedipham								
13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate		-	-		-	-		
	pyributicarb								
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate								
	Chlorfenvinphos								
470-90-8	Chlorfenvinphos	-	1	1	-	1	1	10,000	5
	Chlorpyrifos								
5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-						_		
	pyridyl)phosphorothioate]							40.000	
2921-88-2	Chlorpyrifos Endosulphan	-	1	1	-	1	1	10,000	5
	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-								
115-29-7	methano-2,4,3-benzodioxathiepine 3-oxide	-	1	1		1	1	10,000	5
	Hexachlorocyclohexane		-			-	-		
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)	10	1	1	10	1	1	10	1
AGE 72.6	Isodrin	_							
465-73-6	Isodrin Isoproturon	<del>                                     </del>	1	-					
34123-59-6	Isoproturon	-	1	1		1	1	10,000	5
, 0	2,4-D					<u> </u>	<u> </u>	.0,000	
94-75-7	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA								
2702-72-9	2,4-D sodium salt		_	_		_			
	2,4-D esters								
94-80-4	2,4-D butyl ester								
01928-43-4 94-11-1	2,4-D 2-ethylhexyl ester 2,4-D isopropyl ester								
01929-73-3	2,4-D butoxyethyl ester								
1320-18-9	2,4-D propylene glycol butyl ether ester								

Pollutant		Thresholds,	FII: F-PRTR	,	Thresholds I	Ciev Protoc	ol Implem	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land	Release to Air (kg/year)	Release to Water	Release to Land	Manufacture, Process or Use (kg/year)	Off-Site Transfers
53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester								
120-36-5	<b>2,4-DP 2,4-DP</b>								
120-30-3	2,4-DB								
94-82-6	2,4-DB								
	Dicofol [Benzenemethanol, 4-chloroalpha4-(chlorophenyl)alpha								
115-32-2	(trichloromethyl)-] Glyoxal								
107-22-2	Glyoxal Methoxone								
94-74-6	Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA								
3653-48-3	Methoxone sodium salt  Pronamide								
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)								
40407.40.4	Pendimethalin								
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)  Amitrole								
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole )								
300-76-5	Naled Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)								
300 70 3	Quintozene								
82-68-8	Quintozene (pentachloronitrobenzene)								
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea )	<u> </u>			<u> </u>				
	Diazinon								
333-41-5	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate)  Dazomet								
533-74-4	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine )								
53404-60-7	Dazomet, sodium salt								
52-68-6	Trichlorfon Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate )								
	Benomyl								
17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2- benzimidazolyl]carbamate)								
	Thiobencarb								
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)  Amitraz								
33089-61-1	Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene )								
709-98-8	Propanil (3',4'-dichloropropionanilide)								
35400-43-2	Sulprofos Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl phosphorodithioate)								
	Profenofos								
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)								
	Permethrin								
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2- dimethylcyclopropanecarboxylate)								
	Quizalofop-ethyl								
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2- quinoxalinyloxy)phenoxy]propionate)								
	Dichlorvos / DDVP								
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate )								
76-06-2	Chloropicrin (trichloronitromethane)	<u> </u>			<u> </u>				
62.25.2	Carbaryl / NAC							-	
63-25-2	Carbaryl (1-naphthyl N-methylcarbamate)  Chlorothalonil								
1897-45-6	Chlorothalonil (tetrachloroisophthalonitrile)								
1910-42-5	Paraquat dichloride / paraquat Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)								
-510 72 5	fenitrothion / MEP								
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)								
	Fenthion								
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)								
	Molinate								
2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)  Propargite / BPPS								
2312-35-8	Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )								
2420 01 2	Chinomethionat								
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)  Famphur	<u> </u>							
52-85-7	Famphur								
34014-18-1	Tebuthiuron Tebuthiuron	-							
	Sethoxydim								
74051-80-2	Sethoxydim Thiodicarb								
59669-26-0	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-								
55005-20-U	tetraazapentadeca-3,12-diene-6,10-dione								

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Pollutant		Thresholds,	EU: E-PRTF	1	Thresholds, I	Kiev Protoc	ol Impleme	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)		Manufacture, Process or Use (kg/year)	Off-Site Transfers
	Mecoprop								
93-65-2	Mecoprop								
116.06.3	Aldicarb								
116-06-3	Aldicarb  Captan								
133-06-2	Captan								
	Folpet								
133-07-3	Folpet								
	Chloramben								
133-90-4	Chloramben								
14484-64-1	<b>Ferbam</b> Ferbam								
14404-04-1	Parathion								
56-38-2	Parathion								
298-00-0	Methylparathion								
	Pirimiphos methyl								
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O- dimethyl phosphorothioate								
	Diflubenzuron								
35367-38-5	Diflubenzuron								
	Metham sodium								
137-42-8	Metham sodium						-		
	Fenpropathrin								
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3- tetramethylcyclopropanecarboxylate								
	Hydramethylnon								
67485-29-4	Hydramethylnon								
	Abamectin								
71751-41-2	Abamectin								
77501-63-4	Lactofen Lactofen								
77301-03-4	Nabam								
142-59-6	Nabam								
	Thiabendazole								
148-79-8	Thiabendazole								
450 50 5	Merphos								
150-50-5	Merphos Monuron								
150-68-5	Monuron								
	Methoxychlor								
72-43-5	Methoxychlor								
	Tetramethrin								
7696-12-0	$\label{thm:continuous} Tetramethrin / cyclohex-1-ene-1, 2-dicarboximidomethyl (1RS)-cis-trans-2, 2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate$								
	Resmethrin								
10453-86-8	Resmethrin								
	Ethoprop								
13194-48-4	Ethoprop								
301-12-2	Oxydemeton methyl Oxydemeton methyl								
301-12-2	Desmedipham								
13684-56-5	Desmedipham								
	Oryzalin			-					
19044-88-3	Oryzalin								
	Bromacil  Promacil / 5 brome 3 coc butul 6 methyl 1 2 2 4 tetrahydropyrimiding								
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine- 2,4-dione								
53404-19-6	Bromacil, lithium salt								
	Bendiocarb								
22781-23-3	Bendiocarb								
26002-80-2	Phenothrin Phenothrin								
20002-00-2	Triforine								
26644-46-2	Triforine								
	Propetamphos								
31218-83-4	Propetamphos		-						
25554.44.0	Imazalil								
35554-44-0	Imazalil Triadimefon								
43121-43-3	Triadimeron								
	Triclopyr								
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)								-
57213-69-1	Triclopyr triethylammonium salt								
	Propiconazole								
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole								
	Cyfluthrin								
68359-37-5	Cyfluthrin								
	Fluazifop butyl								
69806-50-4	Fluazifop butyl								
72490-01-8	Fenoxycarb Fenoxycarb								
, 2430-01-0	i choxyodi u	156			1				

Release to Air (Rg/year)   Rg/year)   Rg/year	Thresholds, Kiev Protocol Implementation Guidelines		o, _o,	· · · · · · · · · · · · · · · · · · ·		
1915-15	Air (kg/year) to Water to Land Process or Transfers	to Land	to Water		Pollutant Name	CAS Number
Bifenthrin						E10.1E.6
20257-0.3   Direction						510-15-6
Section   Sect						82657-04-3
Mevinphos						
788-94-7   Meritam						5902-51-2
Metiram						7786-34-7
### Sal-128   Ametryn   ### Sal-128   Diphenamid   ### Sal-128   Diphenamid   ### Sal-128   Pebulate   ### Sal-128   Pebu						
834128						9006-42-2
Diphenamid     Diphenamid       Diphenamid       Diphenamid     Diphenamid     Diphenamid     Diphenamid     Diphenamid     Diphenamid   Diphenami						024 12 0
System   S	-					834-12-8
1141-12					Diphenamid	957-51-7
Cycloate   Methazole	_					
1344232   Cycloate	_					1114-71-2
Methazole					•	1134-23-2
Cyanazine						
21725-62   Cyanazine						20354-26-1
Isofenphos   Sofenphos   Sof	+					21725-46-2
Softenplos   Norflurazon	†					-1,2J-4U-Z
					Isofenphos	25311-71-1
Bromoxynii						27214 42 2
1889-84-5   Bromoxynil canoate	+					2/314-13-2
Nitrofen						1689-84-5
1836-75-5   Nitrofen					Bromoxynil octanoate	
Diethatyl ethyl						1926 75 5
38727-55-8   Diethayl ethyl						1835-75-5
1861-40-1   Benfluralin   Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dicamba   Dinocab   Dicamba   Dicamba   Dinocab   Dicamba						38727-55-8
Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dinocap   Dicamba   Dicamba   Dicamba   Dinocap   Dicamba   Dinocap   Dicamba   Dinocap   Dinocap   Dicamba   Dinocap   Dino						
39300-45-3   Dinocap						1861-40-1
Oxyfluorfen						39300-45-3
Dicamba   Dica						
1918-00-9   Dicamba						42874-03-3
1982-69-0         Sodium dicamba           2300-66-5         Dimethylamine dicamba           Vinclozolin         Vinclozolin / (RS)-3-{3,5-dichlorophenyl}-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione           50471-44-8         Vinclozolin / (RS)-3-{3,5-dichlorophenyl}-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione           Picloram         Picloram           1918-02-1         Picloram           Propachlor         Propachlor           1918-16-7         Propachlor           Hexazinone         Propachlor           51235-04-2         Hexazinone           Diclofop methyl         Propachlor           Nitrapyrin         Propachlor           1929-82-4         Nitrapyrin           1929-82-4         Nitrapyrin           Dimethipin         Propachlor           006-64-7         Dimethipin           Methiocarb         Penarimol           60168-88-9         Fenarimol           62476-59-9         Acifluorfen, sodium salt           62476-59-9         Acifluorfen, sodium salt           Chlorsulfuron         Chlorsulfuron           Olipotassium endothall         Pipotassium endothall						1018-00-0
Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione	-					
Vinclozolin / (RS)-3-{3,5-dichlorophenyl}-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione   Picloram   Picloram   Propachlor   Propachlor   Propachlor   Propachlor   Propachlor   Pexazinone   Piclofop methyl   Pic						2300-66-5
2,4-dione						
1918-02-1   Picloram   Propachlor   Propac						50471-44-8
Propachlor						
1918-16-7						1918-02-1
Hexazinone						1918-16-7
Diclofop methyl						
51338-27-3         Diclofop methyl           Nitrapyrin         Initrapyrin           1929-82-4         Nitrapyrin           Dimethipin         Dimethipin           55290-64-7         Dimethipin           Methiocarb         2032-65-7           Methiocarb         Fenarimol           60168-88-9         Fenarimol           Acifluorfen, sodium salt         Chlorsuffuron           64902-72-3         Chlorsulfuron           Dipotassium endothall         Dipotassium endothall						51235-04-2
Nitrapyrin   1929-82-4   Nitrapyrin						F1220 27 2
1929-82-4         Nitrapyrin           Dimethipin         55290-64-7           Dimethipin         Methiocarb           2032-65-7         Methiocarb           Fenarimol         60168-88-9           Fenarimol         Acifluorfen, sodium salt           62476-59-9         Acifluorfen, sodium salt           Chlorsulfuron         64902-72-3           Chlorsulfuron         Dipotassium endothall						J1330-27-3
S5290-64-7   Dimethipin					• • • • • • • • • • • • • • • • • • • •	1929-82-4
Methiocarb           2032-65-7         Methiocarb           Fenarimol           60168-88-9         Fenarimol           Acifluorfen, sodium salt           62476-59-9         Acifluorfen, sodium salt           Chlorsulfuron         64902-72-3           Chlorsulfuron         Dipotassium endothall						55000 5:-
2032-65-7         Methiocarb           Fenarimol         60168-88-9           Fenarimol         Acifluorfen, sodium salt           62476-59-9         Acifluorfen, sodium salt           Chlorsulfuron         64902-72-3           Chlorsulfuron         Dipotassium endothall	-					55290-64-7
Fenarimol						2032-65-7
Acifluorfen, sodium salt  62476-59-9 Acifluorfen, sodium salt  Chlorsulfuron  64902-72-3 Chlorsulfuron  Dipotassium endothall					Fenarimol	
62476-59-9 Acifluorfen, sodium salt  Chlorsulfuron 64902-72-3 Chlorsulfuron Dipotassium endothall						60168-88-9
Chlorsulfuron 64902-72-3 Chlorsulfuron Dipotassium endothall	+				*	62476-59-9
64902-72-3 Chlorsulfuron Dipotassium endothall	†					0441 U"33"3
· · · · · · · · · · · · · · · · · · ·					Chlorsulfuron	64902-72-3
L/ Ib/4-I/-II LIIDTASSIIIM ANDTASII					•	24.54.67.0
Fenoxaprop ethyl	+				Dipotassium endothall  Fenoxaprop ethyl	2164-07-0
66441-23-4 Fenoxaprop ethyl	<u> </u>					66441-23-4
Fluometuron					Fluometuron	
2164-17-2 Fluometuron	+					2164-17-2
Cyhalothrin 68085-85-8 Cyhalothrin	+			<u> </u>		68085-85-8
Fluvalinate	<u> </u>					
69409-94-5 Fluvalinate					Fluvalinate	69409-94-5
Fomesafen	+					72178-02-0
/21/8-02-0 Fomesaren Allate						/41/0-UZ-U
2303-16-4 Diallate					Diallate	
2303-17-5 Triallate						2303-17-5
Anilazine 101-05-3 Anilazine	+					101-05-3
Myclobutanil Myclobutanil	1					_01 00 0

Pollutant		Thresholds,	EU: E-PRTR		Thresholds, I	Kiev Protoc	ol Impleme	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)		to Land	Manufacture, Process or Use (kg/year)	Off-Site Transfers
88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1- ylmethyl)hexanenitrile								
	Dodine								
2439-10-3	Dodine Chlorimuron ethyl								
90982-32-4	Chlorimuron ethyl								
	Tribenuron methyl								
101200-48-0	Tribenuron methyl Temephos								
3383-96-8	Temephos								
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-								
111 26 1	methylbutyrate) Propoxur								
114-26-1	Propoxur (2-isopropoxyphenyl N-methylcarbamate)  Malathion / malathon								
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)								
	Dimethoate  Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl								
60-51-5	phosphorodithioate)								
70-30-4	Hexachlorophene Hexachlorophene								
70-30-4	Methyl isothiocyanate								
556-61-6	Methyl isothiocyanate Thiophanate								
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)								
23564-06-9	Thiophanate ethyl								
	Cyhalofop / cyhalofop-butyl								
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate  Disulfuton / ethylthiometon								
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate								
	Fenothiocarb								
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate  Halosulfuron-Methyl								
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-								
	methylpyrazole-4-carboxylate  Fumazone								
96-12-8	1,2-dibromo3-chloropropane								
	Difenoconazole 1-{{2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-								
119446-68-3	y  methyl -1H-1,2,4-triazole								
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate								
	Dichlorophene								
97-23-4	Dichlorophene  Bromol								
118-79-6	2,4,6-tribromophenol								
7287-19-6	Prometryn								
/28/-19-6	Prometryn  Dichloran								
99-30-9	Dichloran								
	Maneb  Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] /								
12427-38-2	manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)								
	Methidathion / DMTP								
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate								
	Tetrachlorvinphos								
961-11-5	Tetrachlorvinphos Isoxathion								
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate								
26007 47 0	Kitazin P / iprobenfos / IBP								
26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate  dichlobenil / DBN								
1194-65-6	2,6-dichlorobenzonitrile								
17109-49-8	Edifenphos / EDDP  O-ethyl S,S-diphenyl phosphorodithioate	1							
27103-43-0	Pyraclofos								
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate								
	Oxidiazon								
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one								
30560-19-1	Acephate Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate								
	Metacide 38								
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile								_
51218-45-2	Metolachlor  2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide								
	3-iodo-2-propynyl butylcarbamate								
55406-53-6	3-iodo-2-propynyl butylcarbamate								
73250-68-7	Mefenacet 2-(2-benzothiazolyloxy)-N-methylacetanilide	-							

Pollutant		Thresholds,	EU: E-PRTR	R	Thresholds, I	Ciev Protoc	ol Implem	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)		Manufacture, Process or Use (kg/year)	Off-Site Transfers
74115-24-5	Clofentezine 3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine Phosalone								
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate								
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate								
2597-03-7	Phenthoate / PAP ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate								
119168-77-3	Tebufenpyrad N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide								
125205 02 4	Cafenstrole N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-								
125306-83-4	carboxamide Fipronil								
120068-37-3	5-amino-1-[2,6-dichloro-4-{trifluoromethyl)phenyl]-3-cyano-4- [(trifluoromethyl)sulfinyl]pyrazole								
2631-40-5	2-isopropylphenyl N-methylcarbamate  Landrin								
2655-15-4	2,3,5-trimethylphenyl methylcarbamate 2,4-D chlorocrotyl ester								
2971-38-2 3766-81-2	2,4-D chlorocrotyl ester Fenobucarb / BPMC 2-sec-butylphenyl N-methylcarbamate								
28057-48-9	D-trans-allethrin D-trans-allethrin								
4080-31-3	Dowicil 200 1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride								
4549-40-0	N-nitrosomethylvinylamine N-nitrosomethylvinylamine Carboxin								
5234-68-4	Carboxin Thiram								
137-26-8	Thiram (tetramethylthiuram disulfide) Sodium fluoroacetate								
57-57-8	Sodium fluoroacetate  Beta-propiolactone  Beta-propiolactone								
	Dipropyl isocinchomeronate								
136-45-8	Dipropyl isocinchomeronate								
Colors and dy	C.I. Fluorescent 260 disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-								
16090-02-1	vlamino)benzenesulfonate]  5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-								
3618-72-2	dinitrophenylazo)-4'-methoxyacetanilide 5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-{2-bromo-4,6-dinitrophenylazo}-4'-								
3010 72 2	methoxyacetanilide C.I. Food Red								
3761-53-3	C.I. Food Red 5								
81-88-9	C.I. Food Red 15								
50.00.3	C.I. Solvent Yellow								
60-09-3 97-56-3	C.I. Solvent Yellow 3 / 4-aminoazobenzene C.I. Solvent Yellow 3								
492-80-8	C.I. Solvent Yellow 34								
842-07-9	C.I. Solvent Yellow 14								
569-64-2	C.I. Basic Green C.I. Basic Green 4								
303 04 2	C.I. Vat Yellow								
128-66-5	C.I. Vat Yellow 4								
989-38-8	C.I. Basic Red C.I. Basic Red 1								
1937-37-7	C.I. Direct Black C.I. Direct Black 38 C.I. Direct Blue								
2602-46-2	C.I. Direct Blue 6								
28407-37-6	C.I. Direct Blue 218								
2832-40-8	C.I. Disperse Yellow C.I. Disperse Yellow 3								
-552 40 0	C.I. Solvent Orange								
3118-97-6	C.I. Solvent Orange 7								
1000 == =	C.I. Acid Green	ļ			ļ				
4680-78-8	C.I. Acid Green 3	-			1				
6459-94-5	C.I. Acid Red C.I. Acid Red 114								
2.00 04 0	C.I. Direct Brown								
16071-86-6	C.I. Direct Brown 95								
	Trypan blue		<del></del>	·		·	·		· · · · · ·
72-57-1	Trypan blue aceutical ingredient (API)	-			-				
Active pharma	Fluorouracil				1				
51-21-8	Fluorouracil								
-		•			•				

Dollutant		Throckelde	EII. E BRIT	,	Throchalde	Cion Dest	ol less's	entation California	200
Pollutant		Thresholds, I	EU: E-PRTF	ξ	Thresholds, I	Kiev Protoc	ol Impleme	entation Guideli	nes
		Release to	Release	Release	Release to	Release		Manufacture,	Off-Site
CAS Number	Pollutant Name	Air (kg/year)	to Water	to Land	Air (kg/year)	to Water		Process or	Transfers
			(kg/year)	(kg/year)		(kg/year)	(kg/year)	Use (kg/year)	
	disulfiram								
97-77-8	tetraethylthiuram disulfide / disulfiram  Nicotine								
LCL-108	Nicotine Nicotine and salts								
	Phenytoin								
57-41-0	Phenytoin								
57-33-0	Pentobarbital sodium Pentobarbital sodium								
37-33-0	Tetracycline hydrochloride								
64-75-5	Tetracycline hydrochloride								
60.76.0	Triaziquone								
68-76-8	Triaziquone Warfarin								
LCL-109	Warfarin and salts								
	organic substances								
75-08-1 25103-58-6	ethanethiol tert-dodecanethiol								
420-04-2	cyanamide								
17796-82-6	N-(cyclohexylthio)phthalimide								
4979-32-2 505-32-8	N,N-dicyclohexyl-2-benzothiazolesulfenamide 3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol								
112-57-2	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine								
112-24-3 99-76-3	triethylenetetramine methyl 4-hydroxybenzoate								
103-90-2	N-(4-hydroxyphenyl)acetamide								
941-69-5	N-phenylmaleimide	-			-				
2426-08-6 25013-16-5	n-butyl-2,3-epoxypropyl ether butylhydroxyanisole / BHA								
LCL-110	water-soluble salts of peroxodisulfuric acid								
674-82-8 3268-49-3	4-methylideneoxetan-2-one 3-methylthiopropanal								
110-91-8	morpholine								
78-42-2	tris(2-ethylhexyl) phosphate								
	tritolyl phosphate triphenyl phosphate								
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride								
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine								
100-37-8	2-(diethylamino)ethanol								
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol								
78-67-1 541-53-7	2,2'-azobisisobutyronitrile 2,4-Dithiobiuret								
53-96-3	2-acetylaminofluorene								
141-43-5	2-aminoethanol								
75-86-5 101-80-4	2-methyllactonitrile / acetone cyanohydrin 4,4'-Diaminodiphenyl ether								
101-61-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine								
92-67-1 60-11-7	4-aminobiphenyl 4-dimethylaminoazobenzene								
92-93-3	4-nitrobiphenyl								
100-40-3	4-vinyl-1-cyclohexene								
60-35-5 134-32-7	Acetamide alpha-naphthylamine								
55-21-0	Benzamide								
91-59-8 111-44-4	beta-naphthylamine Bis(2-chloroethyl) ether								
542-88-1	Bis(chloromethyl)ether								
107-30-2	Chloromethyl methyl ether	-			-				
115-10-6 123-86-4	Dimethylether Butyl acetate:n-								
LCL-111	Dihydronapthalene (all isomers)								
7379-12-6 27133-93-3	Methyl-3-hexanone,2- Methylindan (all isomers)								
103-71-9	Phenyl isocyanate								
420-56-4	Trimethylfluorosilane							-	
135-20-6 132-64-9	Cupferron Dibenzofuran								
101-90-6	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene								
138-93-2 759-94-4	Disodium cyanodithioimidocarbonate Ethyl dipropylthiocarbamate								
112-02-7	hexadecyltrimethylammonium chloride								
124-09-4	hexamethylenediamine								
680-31-9	Hexamethylphosphoramide  Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting								
74-93-1	requirements currently suspended)								
109-77-3 79-22-1	Malononitrile  Methyl chlorocarhonato								
79-22-1 624-83-9	Methyl chlorocarbonate  Methyl isocyanate								
95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide								
1643-20-5 924-42-5	N,N-dimethyldodecylamine N-oxide N-Methylolacrylamide								
55-18-5	N-nitrosodiethylamine								
62-75-9	N-nitrosodimethylamine						_		
924-16-3 621-64-7	N-nitrosodi-N-butylamine N-nitrosodi-N-propylamine								
59-89-2	N-nitrosomorpholine								
759-73-9 684-93-5	N-nitroso-N-ethylurea N-nitroso-N-methylurea		·	·					
UU4-33-3	IN-THIC COOTIN-THECH VILLED								
16543-55-8	N-nitrosonornicotine								

## Long Chemical List

Pollutant		Thresholds,	EU: E-PRTF	R	Thresholds, k	(iev Protoc	ol Impleme	entation Guideli	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
104-12-1	P-chlorophenyl isocyanate								
110-85-0	Piperazine								
51-03-6	Piperonyl butoxide								
1120-71-4	Propane sultone								
78-48-8	S,S,S-tributyltrithiophosphate								
81-07-2	Saccharin (Manufacturing, no supplier notification)								
132-27-4	Sodium O-phenylphenoxide								
11070-44-3	Tetrahydromethylphthalic anhydride								
62-55-5	Thioacetamide								
79-19-6	Thiosemicarbazide								
126-73-8	tri-n-butyl phosphate								
115-96-8	Tris(2-chloroethyl) phosphate								
51-79-6	Urethane								
105-60-2	ε-caprolactam					,		•	•

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
Persistent Org	ganic Pollutants (POPs)								
309-00-2	Pesticides Aldrin				45	45	45	‡	
57-74-9	Chlordane				5	5	5	<del>+</del>	
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane								
60-57-1 72-20-8	Dieldrin Endrin								
76-44-8	Heptachlor				5	5	5	‡	
2385-85-5 8001-35-2	Mirex Toxaphene				5	5	5	İ	
319-84-6	alpha-hexachlorocyclohexane				11,340	11,340	4,536	0.1%	
319-85-7	beta-hexachlorocyclohexane Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane								
58-89-9	[Cyclohexane, 1,2,3,4,5,6-hexachloro-				11,340	11,340	4,536	0.1%	
143-50-0	,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA) Chlordecone								
608-93-5	Pentachlorobenzene				5	5	5	‡	
	Industrial chemicals				_				
118-74-1 1336-36-3	Hexachlorobenzene (HCB) Polychlorinated biphenyls (PCBs)	1	1000	1%	5 5	5 5	5 5	‡ ‡	
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated			.,,					
	Biphenyls (PBBs) 2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl								
68631-49-2	ether and heptabromodiphenyl ether (commercial octabromodiphenyl								
	ether) 2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl								
207122-15-4	ether and heptabromodiphenyl ether (commercial octabromodiphenyl								
	ether)								
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial								
	octabromodiphenyl ether)								
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial								
	octabromodiphenyl ether)								
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)								
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and								
	pentabromodiphenyl ether (commercial pentabromodiphenyl ether) Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl								
LCL-1	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)	I	1000	1%					
	Polychlorinated dioxins and furans								
	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin								
LCL-2	and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless				0.0001	0.0001	0.0001	‡	
	information is not available. In this case, facilities are required to report on								
	total dioxins and furans in grams toxic equivalent (I-TEQ))								
	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is:								
	2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related								
	polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated								
LCL-3	dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term	S	500	0.1%					
	"dioxins". Some 419 types of dioxin-related compounds have been								
	identified but only about 30 of these are considered to have significant								
	toxicity, with TCDD being the most toxic.  1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) /								
67562-39-4	USA: listed in TRI as member of dioxin and dioxin-like compounds				0.0001	0.0001	0.0001	‡	
	category 1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) /								
55673-89-7	USA: listed in TRI as member of dioxin and dioxin-like compounds				0.0001	0.0001	0.0001	‡	
	category  1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for								
35822-46-9	Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds				0.0001	0.0001	0.0001	‡	
	category								
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds				0.0001	0.0001	0.0001	‡	
	category							*	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds				0.0001	0.0001	0.0001	‡	
	category				3.3331		3.0001	+	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds				0.0001	0.0001	0.0001	‡	
27127 44.9	category				0.0001	0.0001	0.0001	+	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds				0.0001	0.0004	0.0001		
00031-34-5	category				0.0001	0.0001	0.0001	‡	
30227 20 6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) /				0.0004	0.0004	0.0004		
39227-28-6	USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
10400 74 6	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) /				0.000:	0.0001	0.0001		
19408-74-3	USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
57650 05	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) /				0.555	0.0==:	0.655		
57653-85-7	USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in						A 2		
39001-02-0	TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	

Pollutant		Threshold	s, Japan: PF	RTR	Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
Metals									
7440-36-0	Antimony and its compounds Antimony	<u> </u>			11,340	11,340	4,536	1.0%	
LCL-4	Antimony Compounds				11,340	11,340	4,536	1.0%	
LCL-5	Antimony and its compounds	ı	1000	1%					
7440-38-2	Arsenic and its compounds Arsenic				11,340	11,340	4,536	0.1%	
LCL-6	Arsenic Compounds				11,340	11,340	4,536	1.0%	
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)  Boron and its compounds	ı	1000	1.0%					
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds	I	1000	1%					
10294-34-5 7637-07-2	Boron trichloride Boron trifluoride				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
7037-07-2	Cadmium and its compounds				11,540	11,340	4,000	1.076	
7440-43-9	Cadmium				11,340	11,340	4,536	0.1%	
LCL-9 LCL-10	Cadmium Compounds  Cadmium and its compounds / Cadmium and compounds (as Cd)	S	500	0.1%	11,340	11,340	4,536	0.1%	
	Chromium and its compounds								
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical forms)				44.040	44.040	4.500	4.00/	
7440-47-3	Chromium Chromium Compounds (except chromite ore mined in the Transvaal				11,340	11,340	4,536	1.0%	
LCL-12	region)				11,340	11,340	4,536	1.0% or 0.1%	De minimis ie
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)								
LCL-14	Chromium III compounds / chromium and chromium(III) compounds	I	1000	1%				1.0%	
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)	S	500	0.1%				0.1%	
7440-48-4	Cobalt and its compounds Cobalt				11,340	11,340	4,536	0.1%	
LCL-16	Cobalt Compounds				11,340	11,340		1.0% or 0.1%	De minimis le
LCL-17	Cobalt and its compounds	ı	1000	1%					
7440-50-8	Copper and its compounds Copper				11,340	11,340	4,536	1.0%	
LCL-18	Copper Compounds				11,340	11,340	4,536	1.0%	
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper salts (water-soluble, except complex salts))	- 1	1000	1%					
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")	- 1	1000	1%					
	Lead and its compounds								
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)	- 1	1000	1%	45	45	45	‡ '	When lead is
LCL-20	Lead Compounds	S	500	0.1%	45	45	45	‡	
LCL-21 LCL-22	Lead and its compounds / Lead and compounds as (Pb) Lead and its compounds except tetraethyl lead								
78-00-2	Tetraethyl lead (USA: included as "lead compound")								
7420.06.5	Manganese and its compounds				14 040	11 240	4 500	4.00/	
7439-96-5 LCL-23	Manganese Manganese Compounds				11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
LCL-24	Manganese and its compounds	I	1000	1%			•		
7439-97-6	Mercury and its compounds  Mercury				5	5	5	‡	
LCL-25	Mercury Compounds				5		5	‡	
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)		1000	1%					
7440-02-0	Nickel and its compounds Nickel	ı	1000	1%	11,340	11,340	4,536	0.1%	
LCL-27	Nickel Compounds	S	500	0.1%	11,340	11,340	4,536	0.1%	
LCL-28 12035-72-2	Nickel and its compounds / Nickel and compounds (as Ni)  Nickel subsulfide (USA and Canada: included as "nickel compound")								
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")								
7700 :: 1	Selenium and its compounds								
7782-49-2 LCL-29	Selenium Selenium Compounds				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
LCL-29 LCL-30	Selenium Compounds Selenium and its compounds	1	1000	1%	11,340	11,340	4,330	1.076	
	Zinc and its compounds						-		
7440-66-6 LCL-31	Zinc (fume or dust) Zinc Compounds				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
LCL-32	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds	1	1000	1%	11,040	11,040	₹,550	1.076	
ECL-3Z	(water-soluble) (Jpn)	<u> </u>	1000	1%					

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc	I	1000	1%					
12122-67-7	compound") / ziram Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]				11,340	11,340	4,536	1.0%	
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb	- 1	1000	1%					
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-dimethyldithiocarbamate) or polymer of N,N'-propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc	I	1000	1%					
	compound")								
7440-41-7	Beryllium and its compounds Beryllium				11,340	11,340	4,536	0.1%	
LCL-33	Beryllium Compounds				11,340	11,340	4,536	0.1%	
LCL-34	Beryllium and its compounds	S	500	0.1%					
7440-22-4	Silver and its compounds Silver				11,340	11,340	4,536	1.0%	
LCL-35	Silver Compounds				11,340	11,340	4,536	1.0%	
LCL-36	Silver and its compounds / Jpn: water-soluble compounds	I	1000	1%					
7440-62-2	Vanadium and its compounds  Vanadium (except when contained in an alloy)				11,340	11,340	4,536	1.0%	
LCL-37	Vanadium compounds	I	1000	1%	11,340	11,340	4,536	1.0%	
7420.00.5	Aluminum and compounds				44.040	44.040	4 500	4.00/	
7429-90-5 1344-28-1	Aluminum (fume or dust) Aluminum oxide (fibrous forms)				11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
20859-73-8	Aluminum phosphide	I	1000	1%	11,340	11,340	4,536	1.0%	
7440.20.2	Barium and its compounds				41.010	44.046	4.500	4.007	
7440-39-3	Barium				11,340	11,340	4,536	1.0%	
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)				11,340	11,340	4,536	1.0%	
LCL-39	Indium and its compounds Indium and its compounds	-	1000	1%					
LCL-39	Iron and its compounds	'	1000	176					
7705-08-0	ferric chloride	I	1000	1%					
13463-40-6	Iron pentacarbonyl				11,340	11,340	4,536	1.0%	
554-13-2	Lithium and its compounds Lithium carbonate				11,340	11,340	4,536	1.0%	
334 13 2	Magnesium and its compounds				11,540	11,040	7,330	1.070	
1309-48-4	Magnesium oxide fume								
LCL-40	Molybdenum and its compounds  Molybdenum and its compounds		1000	1%					
1313-27-5	Molybdenum trioxide	'	1000	176	11,340	11,340	4,536	1.0%	
	Osmium and its compounds								
20816-12-0	Osmium tetroxide				11,340	11,340	4,536	1.0%	
7440-28-0	Thallium and its compounds Thallium				11,340	11,340	4,536	1.0%	
LCL-41	Thallium Compounds				11,340	11,340	4,536	1.0%	
7550 45 0	Titanium tetrachloride				44.040	44.040	4.500	4.00/	
7550-45-0	Titanium tetrachloride  Zirconium				11,340	11,340	4,536	1.0%	
7699-43-6	zirconium dichloride oxide	ı	1000	1%					
Inorganic subs									
1332-21-4	Asbestos Asbestos / Cdn, USA: Asbestos (friable)	S	500	0.1%	11,340	11,340	4,536	0.1%	
1332-21-4	Cyanides (as total CN)	3	300	0.176	11,540	11,540	4,330	0.176	
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	I	1000	1%	11,340	11,340	4,536	1.0%	
74-90-8	Hydrogen cyanide				11,340	11,340	4,536	1.0%	
	Fluorides (as total F)								
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts	I	1000	1%					
LCL-44	Fluoride compounds				14 040	11 040	4 F2C	4.00/	
7664-39-3 7681-49-4	Hydrogen fluoride Sodium fluoride				11,340	11,340	4,536	1.0%	
7789-75-5	Calcium fluoride								
LCL-45	Phosphorus (total)								
LCL-45 LCL-46	Phosphorus (total) Phosphorus (total, excluding yellow or white phosphorus)								
7723-14-0	Phosphorus (yellow, white)				11,340	11,340	4,536	1.0%	
LCL-47	Nitrate Nitrate Compounds (water dissociable; reportable only when in aqueous solution)				11,340	11,340	4,536	1.0%	
LCL-48 7697-37-2	nitrate ion in solution at ph >= 6.0  Nitric Acid				11,340	11,340	4,536	1.0%	
.037-31-2	Particulate matter				11,340	11,340	4,000	1.076	
LCL-49	PM - Total Particulate Matter (Canada: Particulate matter with a diameter								
LCL-50	less than 100 micrometres) PM10 - Particulate matter								
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns								
	Sulfate			-			· · · · · · · · · · · · · · · · · · ·	· · · ·	
7664-93-9	Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)				11,340	11,340	4,536	1.0%	
LCL-52	Chloride (as Cl-) Chlorides (as total Cl)								
<u> </u>	Nitrite								

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	3: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
7632-00-0	Sodium nitrite				11,340	11,340	4,536	1.0%	
07758-01-2	Potassium bromate Potassium bromate				11,340	11,340	4,536	0.1%	
7664-38-2	Phosphoric acid Phosphoric acid								
26628-22-8	Sodium azide Sodium azide		1000	1%	11,340	11,340	4,536	1.0%	
	Thorium dioxide		1000	170		·			
1314-20-1	Thorium dioxide Total Nitrogen				11,340	11,340	4,536	1.0%	
LCL-53	Total Nitrogen Total Sulphur								
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and methyl mercaptan, expressed as hydrogen sulphide)								
Chlorinated ar	nd brominated organic substances								
107-06-2	Chlorinated ethanes and propanes  1,2-Dichloroethane		1000	1%	11,340	11,340	4,536	0.1%	
75-00-3	Chloroethane	·			11,340	11,340	4,536	1.0%	
79-00-5 71-55-6	1,1,2-Trichloroethane 1,1,1-trichloroethane		1000 1000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
79-34-5	1,1,2,2-Tetrachloroethane		1000	1 70	11,340	11,340	4,536	1.0%	
630-20-6 75-34-3	1,1,1,2-Tetrachloroethane Ethylidene dichloride (1,1-Dichloroethane)				11,340 11,340		4,536 4,536	1.0% 1.0%	
75-34-3 76-01-7	Pentachloroethane				11,340		4,536	1.0%	
67-72-1	Hexachloroethane				11,340	11,340	4,536	0.1%	
78-87-5 96-18-4	1,2-Dichloropropane 1,2,3-Trichloropropane		1000 1000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 0.1%	
30 10 1	Chlorinated ethenes and propenes		1000	.,,	11,010	. 1,0 10	1,000	0.170	
75-01-4	Vinyl chloride (Chloroethylene)	S	500	0.1%	11,340	11,340	4,536	0.1%	
79-01-6 127-18-4	Trichloroethylene Tetrachloroethylene		1000 1000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
75-35-4	Vinylidene chloride (1,1-dichloroethylene)	i	1000	1%	11,340	11,340	4,536	1.0%	
107-05-1 563-47-3	Allyl chloride (3-chloropropene) 3-Chloro-2-methyl-1-propene		1000 1000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 0.1%	
156-59-2	cis-1,2-dichloroethylene	i	1000	1%	11,340	11,340	4,330	0.1%	
540-59-0	1,2-Dichloroethylene		1000	40/	11,340	11,340	4,536	1.0%	
542-75-6 78-88-6	1,3-Dichloropropylene / D-D 2,3-dichloropropene	- '	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 1.0%	
10061-02-6	trans-1,3-dichloropropene				11,340	11,340	4,536	0.1%	
75.00.2	Chlorinated methanes		1000	1%	11 210	44.240	4 500	0.40/	
75-09-2 67-66-3	Dichloromethane / methylene dichloride Trichloromethane / Chloroform	1	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
56-23-5	Tetrachloromethane / Carbon tetrachloride	!	1000	1%	11,340	11,340	4,536	0.1%	
74-87-3	Chloromethane / methyl chloride Chlorobenzenes	<u> </u>	1000	1%	11,340	11,340	4,536	1.0%	
108-90-7	Chlorobenzene	1	1000	1%	11,340	11,340	4,536	1.0%	
95-50-1 106-46-7	o-Dichlorobenzene; 1,2-Dichlorobenzene p-Dichlorobenzene; 1,4-Dichlorobenzene				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 0.1%	
541-73-1	1,3-Dichlorobenzene				11,340		4,536	1.0%	
25321-22-6	Dichlorobenzene (mixed isomers)	- !	1000	1%	11,340	11,340	4,536	0.1%	
12002-48-1 120-82-1	Trichlorobenzenes 1,2,4-Trichlorobenzene		1000	1%	11,340	11,340	4,536	1.0%	
	Brominated diphenylethers (PBDE)								
1163-19-5	Decabromodiphenyl ether  Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE		1000	1%	11,340	11,340	4,536	1.0%	
LCL-55	and deca-BDE) Short Chain Chlorinated Paraffins (SCCPs)								
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	- 1	1000	1%	11,340	11,340	4,536	1.0% or 0.1%	De minimis l
LCL-56	Alkanes, C6-18, chloro (attention: short chain: only <c14!) brominated="" td="" voc<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></c14!)>								
75-25-2	Bromoform (Tribromomethane)				11,340	11,340	4,536	1.0%	
74-95-3	Methylene bromide				11,340	11,340	4,536	1.0%	
124-48-1 75-27-4	dibromochloromethane Dichlorobromomethane / bromodichloromethane	1	1000 1000	1% 1%	11,340	11,340	4,536	0.1%	
106-93-4	1,2-Dibromoethane		1000	170	11,340		4,536	0.1%	
107-04-0	1-Bromo-2-chloroethane		1000	1%					
106-94-5 75-26-3	1-bromopropane 2-bromopropane	S	500	0.1%					
593-60-2	Vinyl bromide				11,340	11,340	4,536	0.1%	
95-57-8	Chlorinated toluenes and phenols o-chlorophenol	1	1000	1%					
106-48-9	p-chlorophenol	i	1000	1%					
95-73-8	2,4-dichlorotoluene		1000	1%	44.040	44.040	4.500	0.40/	-
87-86-5 LCL-57	Pentachlorophenol (PCP) Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)	<del>- '</del> -	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
120-83-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)				11,340	11,340	4,536	1.0%	
88-06-2 95-95-4	2,4,6-Trichlorophenol 2,4,5-Trichlorophenol		1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 1.0%	
95-49-8	o-chlorotoluene	1	1000	1%	11,040	11,040	7,000	1.070	
106-43-4		I	1000	1%	11,340	11,340	4,536	1.0%	
	p-chlorotoluene					11.340	71 536		
131-52-2 98-87-3	p-chlorotoluene Sodium pentachlorophenate Benzal chloride (Benzylidene dichloride)				11,340		4,536	1.0%	
131-52-2 98-87-3 98-88-4	Sodium pentachlorophenate Benzal chloride (Benzylidene dichloride) Benzoyl chloride			***	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
131-52-2 98-87-3 98-88-4 100-44-7	Sodium pentachlorophenate Benzal chloride (Benzylidene dichloride) Benzoyl chloride Benzyl chloride	I	1000	1%	11,340	11,340	4,536	1.0%	
131-52-2 98-87-3 98-88-4	Sodium pentachlorophenate Benzal chloride (Benzylidene dichloride) Benzoyl chloride		1000 1000 1000 500	1% 1% 1% 0.1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-				11 240	11 240	4.526	0.1%	
113-20-0	dicarboxylic acid)  Chlorinated carboxylic acids & carboxylic acid esters				11,340	11,340	4,536	0.1%	
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)	I	1000	1%	11,340	11,340	4,536	1.0%	
76-03-9	trichloroacetic acid	I	1000	1%					
76-02-8 598-78-7	Trichloroacetyl chloride 2-chloropropionic acid	ı	1000	1%	11,340	11,340	4,536	1.0%	
105-39-5	ethyl chloroacetate	i	1000	1%					
108-60-1	Bis(2-chloro-1-methylethyl) ether Bis(2-chloro-1-methylethyl) ether				11,340	11,340	4,536	1.0%	
108-00-1	Bis(2-chloroethoxy)methane				11,540	11,340	4,550	1.076	
111-91-1	Bis(2-chloroethoxy)methane				11,340	11,340	4,536	1.0%	
95-51-2	Chloroanilines o-chloroaniline								
106-47-8	p-chloroaniline		4000	40/	11,340	11,340	4,536	0.1%	
LCL-58 LCL-59	chloroaniline dichloroaniline		1000 1000	1% 1%					
95-69-2	p-chloro-o-toluidine				11,340	11,340	4,536	0.1%	
126-99-8	Chloroprene Chloroprene	<del>                                     </del>			11,340	11,340	4,536	0.1%	
	Chlorinated butenes								
110-57-6 764-41-0	Trans-1,4-dichloro-2-butene 1,4-dichloro-2-butene	<u> </u>			11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
704 41 0	Chloronaphthalenes				11,040	11,040	4,000	1.070	
1335-87-1 2234-13-1	Hexachloronaphthalene Octachloronaphthalene			-	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
2234-13-1	3-Chloropropionitrile				11,340	11,340	4,330	1.076	
542-76-7	3-Chloropropionitrile				11,340	11,340	4,536	1.0%	
79-44-7	Dimethylcarbamyl chloride Dimethylcarbamyl chloride				11,340	11,340	4,536	0.1%	
73 117	Dimethyl chlorothiophosphate				11,010	, 0 . 0	1,000	0.1.70	
2524-03-0	Dimethyl chlorothiophosphate				11,340	11,340	4,536	1.0%	
10222-01-2	2,2-dibromo-2-cyanoacetamide 2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)	I	1000	1%	RS	RS	RS	RS	
	Halogenated organic compounds								
LCL-60	Halogenated organic compounds (as AOX)								
87-68-3	Hexachlorobutadiene (HCBD) Hexachlorobutadiene (HCBD)				11,340	11,340	4,536	1.0%	
	Hexachlorocyclopentadiene								
77-47-4	Hexachlorocyclopentadiene Perchloromethyl mercaptan				11,340	11,340	4,536	1.0%	
594-42-3	Perchloromethyl mercaptan				11,340	11,340	4,536	1.0%	
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol 2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
3290-90-0	Polybrominated biphenyls (PBBs)				11,540	11,340	4,550	0.176	
LCL-61	Polybrominated biphenyls				11,340	11,340	4,536	0.1%	
79-94-7	Tetrabromobisphenol A (TBBPA) Tetrabromobisphenol A (TBBPA)				45	45	45	‡	
	Tris(2,3-dibromoproyl)phosphate								
126-72-7	Tris(2,3-dibromoproyl)phosphate  Vinyl Fluoride				11,340	11,340	4,536	0.1%	
75-02-5	Vinyl Fluoride (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
116-14-3	Tetrafluoroethylene Tetrafluoroethylene (USA: added to TRI for RY2011)				14 040	11 240	4 500	0.1%	
	ng substances				11,340	11,340	4,536	0.1%	
LCL-62	Hydrochlorofluorocarbons (HCFCs) Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000								
75-43-4	on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1).  Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1)		4000	461	44.040	44.040	4.500	4.00	
75-45-6	HCFC-21, Dichlorofluoromethane HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane	<u> </u>	1000 1000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
354-14-3 354-11-0	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane				11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
41834-16-6	HCFC-121a, 1,1,1,2-1etracnioro-2-riuoroetnane  HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)				11,340	11,340	4,530	1.0%	
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)	I	1000	1%	11,340	11,340	4,536	1.0%	
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)	I	1000	1%	11,340	11,340	4,536	1.0%	
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)				11,340	11,340	4,536	1.0%	
812-04-4	WICK-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)				11,340	11,340	4,536	1.0%	
90454-18-5	Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)				11,340	11,340	4,536	1.0%	

354-25-6 2837-89-0 1649-08-7 75-88-7 1717-00-6 75-68-3 127564-92-5	Pollutant Name  Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0  1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)  2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)  1,2-Dichloro-1,1-Difluoroethane, HCFC 132b	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
354-25-6 2837-89-0 1649-08-7 75-88-7 1717-00-6 75-68-3 127564-92-5	limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0 1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3) 2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)						(0)		
2837-89-0 1649-08-7 75-88-7 1717-00-6 75-68-3 127564-92-5	with CAS 63938-10-3) 2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)				11,340	11,340	4,536	1.0%	
1649-08-7 75-88-7 1717-00-6 75-68-3 127564-92-5	with CAS 63938-10-3)				11,340	11,340	4,536	1.0%	
75-88-7 1717-00-6 75-68-3 127564-92-5	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b	I	1000	1%	11,340	11,340	4,536	1.0%	
1717-00-6 75-68-3 127564-92-5	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)				11,340	11,340	4,536	1.0%	
75-68-3 127564-92-5	HCFC-141b / 1,1-dichloro-1-fluoroethane	1	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
127564-92-5	HCFC-142b / 1-chloro-1,1-difluoroethane	i	1000	1%	11,340	11,340	4,536	1.0%	
120002 21 0	Dichloropentafluoropropane	i	1000	1%	11,340	11,340	4,536	1.0%	
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)				11,340	11,340	4,536	1.0%	
	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane				11,340	11,340	4,536	1.0%	
	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane				11,340		4,536	1.0%	
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane				11,340	11,340	4,536	1.0%	
431-86-7 507-55-1	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane 1,3-Dichloro-1,1,2,2,3-Pentafluoropropane				11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane				11,340		4,536	1.0%	
	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane				11,340	11,340	4,536	1.0%	
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane				11,340	11,340	4,536	1.0%	
431-07-2	Chlorotrifluoroethane (HCFC-133)	ı	1000	1%	-				
101.63	Chlorofluorocarbon (CFCs) Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including								
LCL-63	their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000)								
75-69-4	CFC-11. Trichlorofluoromethane	ı	1000	1%	11,340	11,340	4,536	1.0%	
	CFC-12, Dichlorodifluoromethane	i	1000	1%	11,340	11,340	4,536	1.0%	
76-13-1	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-	ı	1000	1%	11,340	11,340	4,536	1.0%	
	1,2,2,-trifluoro-]								
	CFC-114, Dichlorotetrafluoroethane	l l	1000	1%	11,340	11,340	4,536	1.0%	
76-15-3	CFC-115, Monochloropentafluoroethane	l	1000 1000	1%	11,340 11,340	11,340	4,536	1.0% 1.0%	
	CFC-13, Chlorotrifluoromethane CFC-112, Tetrachlorodifluoroethane		1000	1% 1%	11,340	11,340	4,536	1.0%	
	Halons	'	1000	170					
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)								
353-59-3	Halon 1211, Bromochlorodifluoromethane	1	1000	1%	11,340	11,340	4,536	1.0%	
75-63-8	Halon 1301, Bromotrifluoromethane	i	1000	1%	11,340	11,340	4,536	1.0%	
124-73-2	Dibromotetrafluoroethane (Halon 2402)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Bromomethane (Methyl bromide)	ı	1000	1%	11,340	11,340	4,536	1.0%	
Greenhouse ga	ases (GHGs)								
	Carbon dioxide (CO2)								
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
74-82-8	Methane (CH4)  Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australia's Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								

## Long Chemical List

Pollutant		Thresholds	, Japan: Pi	RTR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
10024-97-2	Nitrous oxide ( Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
LCL-66	Hydrofluorocarbons (HFCs)  Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC132a, HFC143a, HFC143a, HFC22Fea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
LCL-67	Perfluorocarbons (PFCs)  Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								

Pollutant		Thresholds	, Japan: Pi	RTR	Thresholds, US	: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.  Sulphur hexafluoride (SF6)								
2551-62-4	Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
Other gases	A								
7664-41-7	Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) (USA)				11,340	11,340	4,536	1.0%	
LCL-68	Ammonia (Total)  Chlorine and inorganic compounds (as HCl)								
7782-50-5	Chlorine				11,340	11,340	4,536	1.0%	
LCL-69	Chlorine & compounds / Chlorine and inorganic compounds (as HCl)								
7647-01-0	Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)				11,340	11,340	4,536	1.0%	
75-21-8	Ethylene oxide Ethylene oxide	S	500	0.1%	11,340	11,340	4,536	0.1%	
	Bromine								
7726-95-6	Bromine Chlorine dioxide	I	1000	1%	11,340	11,340	4,536	1.0%	
10049-04-4	Chlorine dioxide				11,340	11,340	4,536	1.0%	
630-08-0	Carbon monoxide Carbon monoxide								
	Fluorine and inorganic compounds (as HF)								
7782-41-4 LCL-70	Fluorine Fluorine and inorganic compounds (as HF)				11,340	11,340	4,536	1.0%	
7783-06-4	Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)				11,340	11,340	4,536	1.0%	Hydrogen su
	Nitrogen oxides								
11104-93-1	Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)  Sulphur oxides (SOx/SO2)								
2025-88-4	Sulphur oxides (SOx/SO2) / Sulfur dioxide water-soluble salts of bromic acid								
LCL-71	water-soluble salts of bromic acid Hydrocarbons (gases)	I	1000	1%					
74-85-1 74-86-2	Ethylene Acetylene				11,340	11,340	4,536	1.0%	
74-98-6	Propane				4		, == -		
115-07-1 LCL-72	Propylene Butane (all isomers)				11,340	11,340	4,536	1.0%	
25167-67-3	Butene (all isomers)								
505-60-2	Mustard Gas				11,340	11,340	4,536	0.1%	
505-60-2 51-75-2	Mustard Gas Nitrogen mustard / [2-Chloro-N-{2-chloroethyl}-Nmethylethanamine]				11,340	11,340	4,536	0.1%	
	Diazomethane								
334-88-3	Diazomethane Ozone				11,340	11,340	4,536	1.0%	
	Ozone	I			<u> </u>				

Pollutant		Thresholds	s, Japan: Pl	RTR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
10028-15-6	Ozone				11,340	11,340	4,536	1.0%	
2699-79-8	Sulfuryl fluoride Sulfuryl fluoride				11,340	11,340	4,536	1.0%	
2033 73 0	Phosphine				11,010	11,010	1,000	11070	
7803-51-2	Phosphine (DALIA)				11,340	11,340	4,536	1.0%	
Polycyclic arol	matic hydrocarbons (PAHs)  Polycyclic aromatic hydrocarbons (PAHs)								
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq)								
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)								
LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the NPRI substance list.				45	45	45	‡	
56-55-3	Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds				45	45	45	‡	
205-99-2	(PACs) category) Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic				45	45	45		
205-99-2	compounds (PACs) category)				45	45	45	‡	
205-82-3	Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
206-44-0	compounds (PACs) category) Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
189-55-9	Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
218-01-9	Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
50-32-8	Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
226-36-8	$\label{eq:Dibenzo} Dibenzo(a,h) acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)$				45	45	45	‡	
224-42-0	Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
53-70-3	Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
194-59-2	7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)  Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds				45	45	45	‡	
192-65-4	(PACS) category)  Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds				45	45	45	‡	
189-64-0	(PACs) category)  Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds				45	45	45	‡	
191-30-0	(PACs) category) 7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic				45	45	45	#	
57-97-6	aromatic compounds (PACs) category) Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic				45	45	45	‡	
193-39-5 56-49-5	compounds (PACs) category)  3-Methylcholanthrene (USA: included in the Polycyclic aromatic				45 45	45 45	45 45	‡	
3697-24-3	compounds (PACs) category) 5-Methylchrysene (USA: included in the Polycyclic aromatic compounds				45	45	45	‡ ‡	
5522-43-0	(PACs) category) 1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs)				45	45	45	<del>+</del>	
42397-64-8	category) 1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic				45	45	45	<u>+</u>	
42397-65-9	aromatic compounds (PACs) category) 1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic				45	45	45	<u>+</u>	
7496-02-8	aromatic compounds (PACs) category) 6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic				45	45	45	‡	
57835-92-4	aromatic compounds (PACs) category) 4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic				45	45	45		
8001-58-9	aromatic compounds (PACs) category) Creosote				11,340	11,340	4,536	0.1%	
120-12-7	Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	I	1000	1%	11,340	11,340	4,536	1.0%	
191-24-2	Benzo(g,h,i)perylene Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals		_		5		5	‡	
91-20-3	intentionally used and therefore listed individually) methylnaphthalene (Jpn: PAHs in the PRTR system are limited to	I	1000	1%		11,340	4,536	0.1%	
LCL-76	metrymaphthaiene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually) acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals	I	1000	1%					
83-32-9 85-01-8	intentionally used and therefore listed individually)  Phenanthrene	I	1000	1%	11,340	11,340	4,536	1.0%	
192-97-2	Benzo(e)pyrene				11,040	11,040	7,000	1.070	
198-55-0 129-00-0	Perylene Pyrene								
208-96-8	Acenaphthylene - PAH								
86-73-7 Other organic	Fluorene - PAH								
Julier Organic	Acetonitrile								
75-05-8	Acetonitrile	I	1000	1%	11,340	11,340	4,536	1.0%	
107-02-8	Acrolein Acrolein	ı	1000	1%	11,340	11,340	4,536	1.0%	
	Acrylamid			170	. 1,040	, 5-10	.,000		
		_	1.70		_				

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
79-06-1	Acrylamid	ı	1000	1%	11,340	11,340	4,536	0.1%	
79-10-7	Acrylic and methacrylic acid  Acrylic acid / acrylic acid and its water-soluble salts (Jpn)	ı	1000	1%	11,340	11,340	4,536	1.0%	
79-41-4	methacrylic acid	l	1000	1%	11,340	11,540	4,330	1.076	
	Acrylic and methacrylic acid esters								
818-61-1	2-hydroxyethyl acrylate	<u> </u>	1000 1000	1% 1%					
13048-33-4 80-62-6	hexamethylene diacrylate  Methyl methacrylate		1000	1%	11,340	11,340	4,536	1.0%	
96-33-3	Methyl acrylate	ı	1000	1%	11,340	11,340	4,536	1.0%	
140-88-5	Ethyl acrylate	l l	1000	1% 1%	11,340	11,340	4,536	0.1%	
97-88-1 105-16-8	n-butyl methacrylate 2-(diethylamino)ethyl methacrylate	ı	1000	1%					
106-91-2	2,3-epoxypropyl methacrylate	ı	1000	1%					
688-84-6 2867-47-2	2-ethylhexyl methacrylate	1	1000 1000	1% 1%					
141-32-2	2-(dimethylamino)ethyl methacrylate Butyl acrylate	i	1000	1%	11,340	11,340	4,536	1.0%	
2439-35-2	2-(dimethylamino)ethyl acrylate	ı	1000	1%	·	,			
	Acrylonitrile and methacrylonitrile		4000	10/	11.010	11.010	4.500	0.40/	
107-13-1 126-98-7	Acrylonitrile Methacrylonitrile	l l	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 1.0%	
120-36-7	Aldehydes				11,540	11,540	7,000	1.070	
75-07-0	Acetaldehyde	I	1000	1%	11,340	11,340	4,536	0.1%	
78-84-2	Isobutyraldehyde	1	1000 1000	1% 1%	11,340	11,340	4,536	1.0%	
90-02-8 100-52-7	Salicylaldehyde Benzaldehyde		1000	1% 1%					
111-30-8	Glutaraldehyde	I	1000	1%					
123-38-6	Propionaldehyde				11,340	11,340	4,536	1.0%	
123-63-7 123-72-8	Paraldehyde Butyraldehyde				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
4170-30-3	Crotonaldehyde / 2-butenal	I	1000	1%	11,340	11,340	4,536	1.0%	
	Anilines								
62-53-3 LCL-77	Aniline toluidine	l l	1000 1000	1% 1%	11,340	11,340	4,536	1.0%	
95-53-4	o-toluidine	'	1000	170	11,340	11,340	4,536	0.1%	
636-21-5	o-toluidine hydrochloride				11,340	11,340	4,536	0.1%	
95-68-1 87-62-7	2,4-dimethylaniline 2,6-dimethylaniline / 2,6-Xylidine	!	1000 1000	1% 1%	11,340	11,340	4,536	0.1%	
	N,N-Dimethylaniline (and its salts)	i	1000	1%	11,340	11,340	4,536	1.0%	
101-77-9	4,4'-methylenedianiline	!	1000	1%	11,340	11,340	4,536	0.1%	
120-71-8 134-29-2	p-cresidine (2-methoxy-5-methylaniline) O-Anisidine hydrochloride	I	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
123-30-8	p-aminophenol	I	1000	1%	11,540	11,040	7,000	0.170	
591-27-5	m-aminophenol	!	1000	1%					
25376-45-8 95-80-7	Diaminotoluene (mixed isomers) / toluenediamine (Jpn) 2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)	l	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
139-65-1	4,4'-Thiodianiline				11,340	11,340	4,536	0.1%	
90-04-0	o-anisidine	I	1000	1%	11,340	11,340	4,536	0.1%	
104-94-9 615-05-4	p-anisidine 2,4-diaminoanisole	l	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 0.1%	
39156-41-7	2,4-diaminoanisole sulfate				11,340	11,340	4,536	0.1%	
	Biphenyl		4000	10/	44.040	11.010	4.500	4.00/	
92-52-4	Biphenyl (1,1-biphenyl)  C3-Benzenes	l	1000	1%	11,340	11,340	4,536	1.0%	
95-63-6	1,2,4-Trimethylbenzene	ı	1000	1%	11,340	11,340	4,536	1.0%	
108-67-8	1,3,5-trimethylbenzene	ı	1000	1%					
25551-13-7 98-82-8	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)  Cumene (1-methylethylbenzene)	1	1000	1%	11,340	11,340	4,536	1.0%	
38-82-6	Hydrocarbons (liquids)	'	1000	1 70	11,340	11,540	4,330	1.076	
110-54-3	n-Hexane	ı	1000	1%	11,340	11,340	4,536	1.0%	
110-82-7 LCL-78	Cyclohexane Pentane (all isomers)				11,340	11,340	4,536	1.0%	
LCL-78 LCL-79	Pentene (all isomers)								
LCL-80	Hexane (all isomers excluding n-hexane)								
25264-93-1	Hexene (all isomers)								
LCL-81 LCL-82	Heptane (all isomers) Octane (all isomers)								
LCL-83	Nonane (all isomers)								
LCL-84	Decane (all isomers)								
LCL-85 8052-41-3	Dodecane (all isomers) Stoddard solvent								
	Mineral spirits								
64741-65-7	Heavy alkylate naphtha								
64742-47-8 64742-48-9	Hydrotreated light distillate Hydrotreated heavy naphtha								
64742-88-7	Solvent naphtha medium aliphatic								
64742-89-8	Solvent naphtha light aliphatic								
64742-94-5 64742-95-6	Heavy aromatic solvent naphtha Light aromatic solvent naphtha								
8030-30-6	Naphtha			_					
8032-32-4	VM & P naphtha								
8042-47-5 LCL-86	White mineral oil Cycloheptane (all isomers)								
LCL-87	Cyclohexene (all isomers)								<u> </u>
LCL-88	Cyclooctane (all isomers)								
	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for								
71-43-2	BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is	S	500	0.1%	11,340	11,340	4,536	0.1%	
	exceeded)			- /-	,		,		

Pollutant		Thresholds	s, Japan: PF	TR .	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	I	1000	1%	11,340	11,340	4,536	0.1%	
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	I	1000	1%	11,340	11,340	4,536	1.0%	
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	I	1000	1%	11,340	11,340	4,536	1.0%	
95-47-6	o-xylene				11,340	11,340	4,536	1.0%	
106-42-3 108-38-3	p-xylene m-xylene				11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
100-30-3	1,3-Butadiene				11,340	11,340	4,030	1.0%	
106-99-0	1,3-Butadiene	S	500	0.1%	11,340	11,340	4,536	0.1%	
	Carbon disulfide								
75-15-0	Carbon disulfide / Carbon disulphide	ı	1000	1%	11,340	11,340	4,536	1.0%	
101-68-8	Diisocyanates  Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)	1	1000	1%	11,340	11,340	4,536	1.0%	
5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as	ı	1000	1%	11,340	11,340	4,536	1.0%	
4098-71-9	Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn) Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-	ı	1000	1%	11,340	11,340	4,536	1.0%	
9016-87-9	isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn) Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as				11,340	11,340	4,536	1.0%	
15646-96-5	Dissocyanates) 2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
822-06-0	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)	I	1000	1%	11,340	11,340	4,536	1.0%	
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
10347-54-3 2556-36-7	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)  1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)				11,340 11,340	11,340	4,536 4,536	1.0%	
134190-37-7	Diethyldiisocyanatobenzene (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
4128-73-8	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
75790-87-3 91-93-0	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates) 3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as				11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
91-97-4	Diisocyanates) 3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as	1	1000	1%	11,340	11,340	4,536	1.0%	
139-25-3	Diisocyanates) 3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as	· ·		.,,	11,340	11,340	4,536	1.0%	
75790-84-0	Diisocyanates) 4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as				11,340	11,340	4,536	1.0%	
3173-72-6	Diisocyanates) 1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-	ı	1000	1%	11,340	11,340	4,536	1.0%	
123-61-5	naphthalenediyl diisocyanate (Jpn)  1,3-Phenylene diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
104-49-4	1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)				11,340	11,340	4,536	1.0%	
504.04.0	Toluenediisocyanates				44.040	44.040	4.500	0.40/	
584-84-9 91-08-7	Toluene-2,4-diisocyanate Toluene-2,6-diisocyanate				11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
26471-62-5	Toluenediisocyanate (mixed isomers) / tolylene diisocyanate	ı	1000	1%	11,340	11,340	4,536	0.1%	
	2-Ethoxyethanol								
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether  Methoxyethanol	<del>                                     </del>	1000	1%	11,340	11,340	4,536	1.0%	
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	I	1000	1%	11,340	11,340	4,536	1.0%	
50-00-0	Formaldehyde Formaldehyde	S	500	0.1%	11,340	11,340	4,536	0.1%	
	Glycol ethers	Ť	000	0.170	. 1,0-10	,0-10	.,000	5.170	
LCL-90	certain glycol ethers				11,340	11,340	4,536	1.0%	
112-34-5 112-25-4	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)  Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)	-							
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)  2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain								
110-49-6	glycol ethers)	I	1000	1%					
111-76-2 111-15-9	2-Butoxyethanol (USA: incl. in certain glycol ethers) 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain	ı	1000	1%					
108-65-6	glycol ethers)  Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)			. 70					
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)								
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)								
	4,4'-methylenebis[2-chloroaniline]								
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)	I	1000	1%	11,340	11,340	4,536	0.1%	
	Organotin compounds (as total Sn)						<del></del>		
LCL-91 LCL-92	Organotin compounds (as total Sn) / organic tin compounds (Jpn) Tributyltin and compounds		1000	1%					
56-35-9	Bis(tributyltin) oxide	<b>†</b>			11,340	11,340	4,536	1.0%	
1983-10-4	Tributyltin fluoride				11,340	11,340	4,536	1.0%	
2155-70-6	Triphenyltin and compounds				11,340	11,340	4,536	1.0%	
LCL-93 639-58-7	Triphenyltin and compounds Triphenyltin chloride				11,340	11,340	4,536	1.0%	
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide		1000	1%	11,340	11,340	4,536	1.0%	
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CAS Number Pollutant Name I Concentration I Use	Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	: TRI			
	CAS Number	Pollutant Name		_	Concentration			Use		Caveats/ Notes
Present place and CEPTS - train more of period and single absoluted	76-87-9	Triphenyltin hydroxide				11,340	11,340	4,536	1.0%	
April   Apri										
139-773   Cree   Cack Creen found accords   1   1000   15   11360   1360   1585   109	LCL-94									
1.1.260   11.260   11.260   12.50		Phenol	_ !							
20.445   person				1000	1%					
1392716   Deschipt decon										
1						11,340	11,340	4,536	1.0%	
1			1	1000	1%					
26.75   2.4 citent bromplement   1   1000   1%	105-67-9	2,4-Dimethylphenol / 2,4-xylenol	I		1%	11,340	11,340	4,536	1.0%	
1   1000   15   1340			<u> </u>							
2800 8   2-text Charles*-mericy primored   1   1000   1%   11,340   11,340   4,559   10%   1094			i							
196451			!							
1			<del>-                                    </del>			11.340	11.340	4.536	1.0%	
1.1241.7   Delize think heavyl phthodate (DEMP) VasQ-ethylheavyl VasQ-et			i			11,010	11,010	1,000	11070	
1		Phthalates								
1546	117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	l I	1000	1%	11,340	11,340	4,536	0.1%	
1879-860   2016-10-10-10-10-10-10-10-10-10-10-10-10-10-			I			11,340	11,340	4,536	1.0%	
1				1000	1%					
130415			<del>                                     </del>	1000	1%					
131379   daily principalities     1   1000   1%     1000   1%     1000   1%     1000   1%   1000   1	120-61-6	Dimethyl terephthalate	i							
1004-35   Syrenes (1000   1%   11,340   11,340   4,586   0,1%		/ 1	<b>—</b> —	1000	10/	11,340	11,340	4,536	1.0%	
1000   1%   11,340   11,340   13,40   4,536   0,1%			<del>- '-</del>	1000	1%					
98899		·	I	1000	1%	11,340	11,340	4,536	0.1%	
29827-84   Octa-binosyrene     5   5   5   1			<u> </u>			11,340	11,340	4,536	0.1%	
Aromatic ritro compounds			<u>'</u>	1000	1%	5	5	5	İ	
1										
100-27   Phitrophenal (land Its salts) (Gdn) / Phitrophenal (land Its salts) (Gdn) (Gdn) / Phitrophenal (land Its salts) (Gdn) (			<u>!</u>							
11,340   11,340   13,40   4,536   1,0%				1000	1%	·				
1   1000   1%   11,340   1,1340   4,536   0,1%   11,340   1,1340   4,536   0,1%   11,340   1,1340	100-02-7	(USA)								
113-42   2.4-Dintrotoulene				1000	1%	11,340	11,340	4,536	1.0%	
1				1000	170	11,340	11,340	4,536	0.1%	
1				4000	40/					
100-01-6			<u> </u>			11,340	11,340	4,536	1.0%	
38-61-2  1.4-dicthor 2-nitrobenzene						11,340	11,340	4,536	1.0%	
1		,	<u> </u>							
1   1000   11%   11,340   11,340   4,536   0,1%   11,340   11,340   4,536   0,1%   11,340   11,340   4,536   1,0%   10,00   13,00   1,340   1,340   4,536   1,0%   10,00   1,00			i							
1   1000   1%   11,340   11,340   4,538   0.1%			<u> </u>							
99.650   m-Dintrobersene     11,340   11,340   4,536   1.0%			<u> </u>			11.340	11.340	4.536	0.1%	
11,340   11,340   4,536   1.0%	99-65-0	m-Dinitrobenzene				11,340	11,340	4,536	1.0%	
99-55-8   S-nitro-o-toludine										
11,340   11,340   4,536   1,0%										
88.89.1   Picric acid (24,6-trintrophenol)			I	1000	1%	44.040	44.040	4.500	4.00/	
99-9-9										
Bisphenol A   4,4*isportopylidenediphenol / bisphenol A   1   1000   1%   11,340   11,340   4,536   1,0%   1,2*Butylene oxide / 1,2*epoxybutane   1   1000   1%   11,340   11,340   4,536   0,1%   1,2*Butylene oxide / 1,2*epoxybutane   1   1000   1%   11,340   11,340   4,536   0,1%   1,0%	99-59-2	5-nitro-o-anisidine				11,340	11,340	4,536	1.0%	
80-05-7		,	<del>                                     </del>	1000	1%	11,340	11,340	4,536	0.1%	
1,2-Butylene oxide   1,2-Butylene oxide / 1,2-epoxybutane   1   1000   1%   11,340   11,340   4,536   0.1%		•	<u> </u>	1000	1%	11.340	11.340	4,536	1.0%	
Calcium cyanamide										
1	106-88-7		I	1000	1%	11,340	11,340	4,536	0.1%	
Catechol   20-80-9   Catechol   pyrocatechol	156-62-7	•	<del>                                     </del>	1000	10/.	11 3/10	11 3/10	4 536	1 በ%	
1	230 02-7		<del>- '-</del>	1000	1 70	11,540	11,340	7,000	1.070	
Summer hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide   1   1000   1%   11,340   11,340   4,536   1.0%	120-80-9	Catechol / pyrocatechol		1000	1%	11,340	11,340	4,536	0.1%	
Cyclic ethers   1,4-Dioxane   1   1000   1%   11,340   11,340   4,536   0.1%	90.15.0		<u> </u>	4000	101	44.04-	44.040	4 500	4.007	
1			<del>- ' -</del>	1000	1%	11,340	11,340	4,536	1.0%	
Tetrahydrofuran			I	1000	1%	11,340	11,340	4,536	0.1%	
1   1000   1%   11,340   11,340   4,536   1.0%	109-99-9									
Diphenylamine   122-39-4   Diphenylamine   1   1000   1%   11,340   11,340   4,536   1.0%			<del>                                     </del>	1000	10/	11 240	11 240	A 526	1 00/	
1			<del>- '-</del>	1000	1 70	11,340	11,340	4,330	1.076	
106-89-8   Epichlorohydrin   1 000 1% 11,340 11,340 4,536 0.1%	122-39-4	Diphenylamine		1000	1%	11,340	11,340	4,536	1.0%	
Epoxy compounds			<u> </u>	4000	101	44.04-	44.040	4 500	0.107	
75-56-9         Propylene oxide (1,2-epoxypropane)         I         1000         1%         11,340         11,340         4,536         0.1%           106-92-3         1-allyloxy-2,3-epoxypropane         I         1000         1%           122-60-1         2,3-epoxypropyl phenyl ether         I         1000         1%           556-52-5         2,3-epoxyr-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)         I         1000         1%         11,340         11,340         4,536         0.1%           1464-53-5         Diepoxybutane         11,340         11,340         4,536         0.1%			<del>                                     </del>	1000	1%	11,340	11,340	4,536	0.1%	
106-92-3     1-allyloxy-2,3-epoxypropane     I     1000     1%       122-60-1     2,3-epoxypropyl phenyl ether     I     1000     1%       556-52-5     2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)     I     1000     1%     11,340     11,340     4,536     0.1%       1464-53-5     Diepoxybutane     11,340     11,340     4,536     0.1%			I	1000	1%	11,340	11,340	4,536	0.1%	
556-52-5     2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)     I     1000     1%     11,340     11,340     4,536     0.1%       1464-53-5     Diepoxybutane     11,340     11,340     4,536     0.1%	106-92-3	1-allyloxy-2,3-epoxypropane	!		1%					_
1464-53-5         Diepoxybutane         11,340         11,340         4,536         0.1%			<del>- '-</del>							
				1000	1%	·				
2491-02-9 1,5,5-tits(2,5-epuxypiopyi)-1,5,5-tits(2iiie-2,4,6(1n,5n,5n)-titone i iuuu 1%)				1000	40/	11,340	11,340	4,536	0.1%	
Ethylene glycol			<del>- '</del>	1000	1%					

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
107-21-1	Ethylene glycol  Ethylene thiourea				11,340	11,340	4,536	1.0%	
96-45-7	Ethylene thiourea (2-imidazolidinethione)	ı	1000	1%	11,340	11,340	4,536	0.1%	
	Hydrazines								
302-01-2 10034-93-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn) Hydrazine sulfate		1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
57-14-7	1,1-Dimethyl hydrazine	ı	1000	1%	11,340	11,340	4,536	0.1%	
60-34-4	Methyl hydrazine		1000	40/	11,340	11,340	4,536	1.0%	
100-63-0 122-66-7	phenylhydrazine 1,2-Diphenylhydrazine	<u> </u>	1000	1%	11,340	11,340	4,536	0.1%	
	Ketone solvents				,	,-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
67-64-1	Acetone				11.010	44.040	4.500	1.00/	
108-10-1 78-93-3	Methyl isobutyl ketone Methyl ethyl ketone				11,340	11,340	4,536	1.0%	
106-35-4	Ethyl butyl ketone								
100.31.6	Maleic anhydride		1000	40/	44.040	44.040	4.500	4.00/	
108-31-6	Maleic anhydride N,N-Dimethylformamide		1000	1%	11,340	11,340	4,536	1.0%	
68-12-2	N,N-Dimethylformamide	ı	1000	1%	11,340	11,340	4,536	1.0%	
	Nitroglycerin								
55-63-0	Nitroglycerin		1000	1%	11,340	11,340	4,536	1.0%	
	Nitrilotriacetic acid								
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)  Nonylphenol	I	1000	1%	11,340	11,340	4,536	0.1%	
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and	ı	1000	1%					
25154-52-3	its ethoxylates Nonylphenol	1	1000	1%					
2313 : 32 3	Octylphenol			170					
1806-26-4	Octylphenols and Octylphenols ethoxylates / Octylphenol and its								
LCL-96	ethoxylates p-octylphenol		1000	1%					
9036-19-5	poly(oxyethylene) octylphenyl ether	i	1000	1%					
	Phenylenediamines								
LCL-97 95-54-5	phenylenediamine o-phenylenediamine (1,2-Phenylenediamine)		1000	1%	11,340	11,340	4,536	1.0%	
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)					11,340		1.0%	
					11,340		4,536		
108-45-2 615-28-1	m-phenylenediamine (1,3-Phenylenediamine) 1,2-phenylenediamine dihydrochloride				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
624-18-0	1,4-phenylenediamine dihydrochloride				11,340	11,340	4,536	1.0%	
85-44-9	Phthalic anhydride Phthalic anhydride	I	1000	1%	11,340	11,340	4,536	1.0%	
110-86-1	Pyridines Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)	<u> </u>	1000	1%	11,340	11,340	4,536	1.0%	
100-69-6	2-vinylpyridine	<del>i</del>	1000	1%	11,340	11,340	4,330	1.0%	
108-99-6	3-methylpyridine	l l	1000	1%					
109-06-8	2-Methylpyridine  Quinoline				11,340	11,340	4,536	1.0%	
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)	ı	1000	1%	11,340	11,340	4,536	1.0%	
	Quinones								
106-51-4 123-31-9	Quinone, p-Quinone Hydroquinone		1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
82-28-0	1-AMINO-2-METHYLANTHRAQUINONE	'	1000	170	11,340	11,340	4,536	0.1%	
82-45-1	1-amino-9,10-anthraquinone	!	1000	1%					
118-75-2 117-79-3	2,3,5,6-tetrachloro-p-benzoquinone 2-AMINOANTHRAQUINONE	<u>'</u>	1000	1%	11,340	11,340	4,536	0.1%	
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
LCL-98	Anthraquinone (all isomers)								
67-56-1	Saturated alcohols Methanol				11,340	11,340	4,536	1.0%	
64-17-5	Ethanol				. 1,0 10	,0 .0	.,000	1.070	
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid				11,340	11,340	4,536	1.0%	
71-36-3	process are subject, no supplier notification) n-Butyl alcohol				11,340	11,340	4,536	1.0%	
78-83-1	i-Butyl alcohol								
78-92-2 75-65-0	sec-Butyl alcohol tert-Butyl alcohol				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
3452-97-9	3,5,5-trimethyl-1-hexanol	1	1000	1%	11,040	11,040	7,000	1.070	
143-08-8	1-nonanol / n-nonyl alcohol	<u> </u>	1000	1%	-	-			
112-30-1 112-53-8	decyl alcohol / decanol 1-dodecanol / n-dodecyl alcohol		1000 1000	1% 1%					
111-87-5	1-Octanol	ı	1000	1%					
63.56.6	Thiourea		4000	161	44.040	44.040	4.500	0.107	
62-56-6	Thiourea Unsaturated aliphatic alcohols	<u> </u>	1000	1%	11,340	11,340	4,536	0.1%	
107-18-6	Allyl alcohol	I	1000	1%	11,340	11,340	4,536	1.0%	
107-19-7	Propargyl alcohol	1	1000	1%	11,340	11,340	4,536	1.0%	
108-05-4	Vinyl acetate Vinyl acetate	1	1000	1%	11,340	11,340	4,536	0.1%	
	Volatile organic compounds (VOCs)			1 /0	11,040	11,040	-,000	J. 1 /0	
	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the								
LCL-99	definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999see: http://www.ec.gc.ca/lcpe-								
	cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-								
LCL-100	F4BF-11069545E434).  Non-methane volatile organic compounds (NMVOC)								
LCL-100 LCL-101	Total volatile organic compounds (NMVOC)								

646-06-0 1,3-dioxo divinylbe 1321-74-0 divinylbe 1321-74-0 divinylbe 1321-74-0 divinylbe 101-84-8 diphenyl 101-84-8 diphenyl 101-84-8 diphenyl 102-06-7 1,3-diphe 102-06-7 1,3-diphe N,N-dime N-(1,3-diphe N-(1,3-dip	Pollutant Name  dioxolane dioxolane nylbenzene nylbenzene nylbenzene henyl ether lenyl ether ylenebisdithiocarbamic acid, salts and esters vlenebisdithiocarbamic  Chemical Category	1000 1000 1000 1000 1000 1000 1000 100	1% 1% 1% 1% 1% 1% 1% 1% 1%	Manufacture (kg/year)  11,340	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes	
646-06-0 1,3-dioxo	dioxolane nylbenzene hylbenzene hylbenzene henyl ether leenyl ether le	1	1000 1000 1000 1000 1000 1000	1% 1% 1% 1% 1% 1% 1%	11,340	11,340	4,536	1.0%	
divinylbo	nylbenzene nylbenzene henyl ether ylenebisdithiocarbamic acid, salts and esters ylenebisdithiocarbamic acid, salts and esters ylenebisdithiocarbamic acid, salts and esters ylenebisdithiocarbamic acid, salts and esters ylenebisdithiocarbamic acid, salts and esters ylenebisdithiocarbamic acid, salts and esters ylenebisdithiocarbamic acid, salts and esters ylenebisdithiocarbamic acid, salts and esters ylenebisdithiocarbamic acid, phenylguanidine ylenebisdithiocarbamide ylenebisdithiocarbamide ylenebisdithiocarbamide ylenebisdithiocarbamide ylenebisdithiocarbamide ylenebisdithiocarbamide ylenebisdithiocarbamide ylenebisdithiocarbamide ylenebisdithiocarbamide ylenebisdithiocarbamic acid 1-methyl ester ylenebisdithiocarbamide ylenebisdithiocarbamic acid 1-methyl ester ylenebisdithiocarbamic aci	1	1000 1000 1000 1000 1000 1000	1% 1% 1% 1% 1% 1% 1%	11,340	11,340	4,536	1.0%	
dipheny    101-84-8   dipheny    Ethylene    LCL-102   ethylene    1,3-diphe    102-06-7   1,3-diphe    102-06-7   1,3-diphe    102-19-5   N,N-dime    127-19-5   N,N-dime    127-19-5   N,N-dime    127-19-5   N,V-dime    127-19-5   N-(1,3-diphe    N-(1,3-diphe    N-(1,3-diphe    N-(1,3-diphe    N-(1,3-diphe    N-(1,3-diphe    N-(1,3-diphe    N-(1,3-diphe    N-(1,3-diphe    Sodium sistematical decanoic     124-04-9   Adipic acid     149-57-5   2-ethylhee     Sodium dipherical     12-bis(2     782-74-1   1,2-bis(2     782-74-1   1,2-bis(2     782-74-1   1,2-bis(2     782-74-1   1,2-bis(2     Nitrosod     Nitrosod     Nitrosod     Season   N-Nitroso     N-Nitrosod     Season   N-Nitroso     P-Nitroso   Phosgene     Terpene     123-35-3   Myrcene     123-35-3   Myrcene     127-91-3   Beta-Phel     127-91-3   Beta-Phel     Season   Season     Season   N-alkylbe     LCL-103   n-alkylbe     LCL-104   poly(oxye     Nichler's     Nichler's     Nichler's     Nichler's     Senzidine     90-94-8   Michler's     Michler's     Senzidine     91-94-1   3,3'-dime     119-90-4   3,3'-dime     119-90-4   3,3'-dime     119-81-9   3,3'-dime     119-82-80-9   3,3'-dime     123-82-80-9   3,3'-dime	henyl ether  ylenebisdithiocarbamic acid, salts and esters  ylenebisdithiocarbamic acid  ylenebisdithiocarbamic acid  ylenebisdithiocarbamic acid  ylenebisdithiocarbamic acid 1-methyl ester  ylenebisdithiocarbamic acid 1-methyl ester  ylenebisdithiocarbamic acid 1-methyl ester  ylenebisdithiocarbamic acid 1-methyl ester  ylenebisdithiocarbamic acid  ylenebisdithiocarbam	1	1000 1000 1000 1000 1000	1% 1% 1% 1% 1%	11,340	11,340	4,536	1.0%	
101-84-8 diphenyl Ethylene LCL-102 ethylenet 1,3-diph 102-06-7 1,3-diph 102-06-7 1,3-diph 127-19-5 N,N-dime N-(1,3-di 127-19-5 N,N-dime N-(1,3-di 127-19-5 N,N-dime N-(1,3-di 127-19-5 N,N-dime N-(1,3-di 127-19-5 N,N-dime N-(1,3-di 127-19-5 N,N-dime N-(1,3-di 127-19-5 N,N-dime N-(1,3-di 127-19-5 N,N-dime N-(1,3-di 127-19-5 N,N-dime N-(1,3-di 127-04-9 Adipic aci 124-04-9 Adipic aci 124-05-5 2-ethylhe Sodium of N-2-ethylhe Sodium of 1,2-bis(2 Furans 110-00-9 Furan (US 98-00-0 Furfuryl a Nitrosod N-Nitrosod N-Nitrosod N-Nitrosod 156-10-5 P-Nitroso Phosgene Terpens 68-30-6 N-Nitroso Phosgene 75-44-5 Phosgene 156-10-5 P-Nitroso Phosgene 156-10-5 P-Nitroso Phosgene 123-35-3 Myrcene 127-91-3 Beta-Phel betanap 135-19-3 Beta-	nenyl ether  ylenebisdithiocarbamic acid, salts and esters  dlenebisdithiocarbamic acid, salts and esters  dlenebisdithiocarbamic acid, salts and esters  dliphenylguanidine  dliphenylguanidine  l-dimethylacetamide  dlimethylacetamide  dlimethylacetamide  dlimethylacetamide  dliphenylenediamine  rogenated terphenyl  rogenated terphenyl  rogenated terphenyl  rome salt of 2-sulfohexadecanoic acid 1-methyl ester  rum salt of 2-sulfohexadecanoic acid 1-meth	1	1000 1000 1000 1000 1000	1% 1% 1% 1%	11,340	11,340	4,536	1.0%	
Ethylene  LCL-102 ethylenet  1,3-diphe  N,N-dim  127-19-5 N,N-dim  127-19-5 N,N-dim  127-19-5 N,N-dime  N-(1,3-di  N-(1,3-di  hydroge  61788-32-7 hydrogen  sodium si  carbonic  124-04-9 Adipic aci  149-57-5 2-ethylhe  sodium d  1,2-bis(2-furans)  151-21-3 sodium d  1,2-bis(2-furans)  110-00-9 Furfuryl a  Nitrosod  86-30-6 N-Nitrosod  156-10-5 P-Nitroso  156-10-5 P-Nitroso  156-10-5 P-Nitroso  156-10-5 P-Nosgene  Terpene (8956-56-9 Terpene (8956-56-9 Terpene (9555-10-2 Beta-Phel  5989-27-5 Limonene  80-56-8 Alpha-Pin  127-91-3 Beta-Phel  555-10-2 Beta-Phel  betanap  135-19-3 betanaph  benzophe  147-61-9 benzophe  sodium p  0904-82-4 sodium p  1-alkylbe  103-23-1 Bis(2-ehtr  Ethyl acet  141-78-6 Ethyl acet  8-80-26-8 Alja-2-1  141-78-6 Ethyl acet  141-78-6 Ethyl acet  141-78-6 Ethyl acet  141-99-4 3,3'-dime  612-82-8 3,3'-Dichl  119-90-4 3,3'-dime  612-82-8 3,3'-dime	ylenebisdithiocarbamic acid, salts and esters //enebisdithiocarbamic acid jenenylguanidine //edimethylguanidine //edimethylacetamide //edime		1000 1000 1000 1000 1000	1% 1% 1% 1%	11,340	11,340	4,536	1.0%	
1,3-diph 102-06-7 1,3-diphe N,N-dime N-(1,3-di 793-24-8 N-(1,3-di 793-24-8 N-(1,3-di hydroge 61788-32-7 hydrogen 4016-24-4 sodium si carbonic 334-48-5 decanoic 124-04-9 Adipic aci 149-57-5 2-ethylhe sodium d 1,2-bis(2 782-74-1 1,2-bis(2 782-	diphenylguanidine diphenylguanidine diphenylguanidine -dimethylacetamide -dimethylacetamide 1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine 3,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine irogenated terphenyl irogenated terphenyl itum salt of 2-sulfohexadecanoic acid 1-methyl ester itum salt of 2-sulfohexadecanoic acid 1-methyl ester itum salt of 2-sulfohexadecanoic acid 1-methyl ester itum salt of 2-sulfohexadecanoic acid 1-methyl ester itum salt of 2-sulfohexadecanoic acid 1-methyl ester itum salt of 2-sulfohexadecanoic acid 1-methyl ester itum salt of 2-sulfohexadecanoic acid 1-methyl ester itum dodecyl sulfate itum dodecyl sulfate itum dodecyl sulfate itum dodecyl sulfate itum dodecyl sulfate		1000 1000 1000 1000 1000	1% 1% 1% 1%	11,340	11,340	4,536	1.0%	
102-06-7 1,3-diphe	diphenylguanidine  I-dimethylacetamide  -dimethylacetamide  J.3-dimethylbutyl)-N'-phenyl-p-phenylenediamine  J.3-dimethylbutyl)-N'-phenyl-p-phenylenediamine  Irogenated terphenyl  Irogenated terphenyl  Ium salt of 2-sulfohexadecanoic acid 1-methyl ester  J. J. J. J. J. J. J. J. J. J. J. J. J. J		1000 1000 1000 1000 1000	1% 1% 1% 1%					
127-19-5 N,N-dime	-dimethylacetamide  1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine ,,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine rogenated terphenyl rogenated terphenyl rogenated terphenyl ium salt of 2-sulfohexadecanoic acid 1-methyl ester um salt of 2-sulfohexadecanoic acid 1-methyl ester conic acids / dicarbonic acids anoic acid ibic acid hylhexanoic acid ium dodecyl sulfate um dodecyl sulfate um dodecyl sulfate bis(2-chlorophenyl)hydrazine		1000 1000 1000 1000	1% 1% 1%					
N-(1,3-di   Pydrogen   N-(1,3-di   Pydrogen   Sodium	1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine ,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine rogenated terphenyl rogenated terphenyl ium salt of 2-sulfohexadecanoic acid 1-methyl ester ium salt of 2-sulfohexadecanoic acid 1-methyl ester oonic acids / dicarbonic acids anoic acid bic acid hylhexanoic acid ium dodecyl sulfate um dodecyl sulfate bis(2-chlorophenyl)hydrazine		1000 1000 1000 1000	1% 1% 1%					
793-24-8 N-(1,3-din hydroge hydroge sodium si carbonic 334-48-5 decanoic 124-04-9 Adipic aci 149-57-5 2-ethylhe sodium si 151-21-3 sodium di 1,2-bis(2 782-74-1 1,2-b	"3-dimethylbutyl)-N'-phenyl-p-phenylenediamine irogenated terphenyl iogenated terphenyl ium salt of 2-sulfohexadecanoic acid 1-methyl ester ium salt of 2-sulfohexadecanoic acid 1-methyl ester ium salt of 2-sulfohexadecanoic acid 1-methyl ester ionic acids / dicarbonic acids anoic acid ioic acid ium dodecyl sulfate ium dodecyl sulfate ibis(2-chlorophenyl)hydrazine		1000 1000	1%					
61788-32-7 hydrogen sodium : sodium : carbonic 334-48-5 decanoic 124-04-9 Adipic aci 149-57-5 2-ethylhe 151-21-3 sodium di 1,2-bis(2 782-74-1 1,2-bis(2 Furans 110-00-9 Furfuryl a Nitrosod 86-30-6 N-Nitrosod 156-10-5 Phosgen 75-44-5 Phosgen 75-44-5 Phosgen 80-56-8 Alpha-Pin 127-91-3 Beta-Phel 128-1-9-01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	rogenated terphenyl ium salt of 2-sulfohexadecanoic acid 1-methyl ester um salt of 2-sulfohexadecanoic acid 1-methyl ester bonic acids / dicarbonic acids anoic acid bic acid hylhexanoic acid ium dodecyl sulfate um dodecyl sulfate bis(2-chlorophenyl)hydrazine	1	1000	1%					
Sodium s	ium salt of 2-sulfohexadecanoic acid 1-methyl ester um salt of 2-sulfohexadecanoic acid 1-methyl ester bonic acids / dicarbonic acids anoic acid bic acid hylhexanoic acid ium dodecyl sulfate um dodecyl sulfate bis(2-chlorophenyl)hydrazine	1	1000	1%					
4016-24-4 sodium si carbonic 334-48-5 decanoic 334-48-5 decanoic 124-04-9 Adipic aci 149-57-5 2-ethylhe sodium d 1,2-bis(2- Furans 110-00-9 Furan (US 98-00-0 Furfuryl a Nitrosod Ref-30-6 N-Nitroso Phosgen 75-44-5 Phosgen 689-56-9 Terpene ( 123-35-3 Myrcene 5895-27-5 Limonene 889-56-8 Alpha-Pin 177-91-3 Beta-Pine 555-10-2 Beta-Pine 555-10-2 Beta-Pine 555-10-2 Beta-Pine 135-19-3 betanaph 135-19-3 betanaph 1417-91-3 sodium p 004-82-4 sodium p 004-82-4 sodium p 103-23-1 Bis(2-ehty 141-78-6 Ethyl acet 141-78-6 Ethyl acet 141-78-6 Ethyl acet 191-94-1 3,3'-dime 191-94-1 3,3'-dime 191-94-1 3,3'-dime 191-94-3 3,3'-dime 191-94-3 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime 191-98-8 3,3'-dime	um salt of 2-sulfohexadecanoic acid 1-methyl ester bonic acids / dicarbonic acids anoic acid bic acid hylhexanoic acid ium dodecyl sulfate um dodecyl sulfate bis(2-chlorophenyl)hydrazine	1	1000						
334-48-5 decanoic 124-04-9 Adipic aci 124-04-9 Adipic aci 149-57-5 2-ethylhe sodium d 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 782-74-1 1,2-bis(2 786-30-6 N-Nitroso Phosgen 75-44-5 Phosgene 75-44-5 Phosgene 75-44-5 Phosgene 88956-56-9 P-Nitroso 989-27-5 Limonene 80-56-8 Alpha-Pin 127-91-3 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-3 Beta-Phel 5612-9 Beta-Phel 5	anoic acid bic acid hylhexanoic acid ium dodecyl sulfate um dodecyl sulfate bis(2-chlorophenyl)hydrazine	1		40/	i				
124-04-9 Adipic aci 149-57-5 2-ethylhe	oic acid hylhexanoic acid ium dodecyl sulfate um dodecyl sulfate bis(2-chlorophenyl)hydrazine	1		40/1					
149-57-5 2-ethylhe	hylhexanoic acid ium dodecyl sulfate um dodecyl sulfate bis(2-chlorophenyl)hydrazine	I	1000	1%					
151-21-3 sodium d	um dodecyl sulfate -bis(2-chlorophenyl)hydrazine	ı		1%					
1,2-bis(2 782-74-1 1,2-bis(2 Furans 110-00-9 Furan (US 98-00-0 Furfuryl a Nitrosod 86-30-6 N-Nitrosod 156-10-5 Phosgen 75-44-5 Phosgen 68956-56-9 Ferpens 68956-56-9 127-91-3 Beta-Phel 127-91-3 Beta-Phel betanap 135-19-3 betanaph benzoph 119-61-9 betanaph 1004-82-4 sodium p 004-82-4 sodium p 004-82-4 sodium p 103-23-1 Bis(2-eht) Ethyl acet 141-78-6 Ethyl acet 141-78-6 Ethyl acet 141-78-6 Ethyl acet 190-94-3 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime	bis(2-chlorophenyl)hydrazine	1 1	4000	401					
782-74-1 1,2-bis(2-Furans 110-00-9 Furan (US 98-00-0 Furfuryl a Nitrosod 86-30-6 N-Nitrosod 156-10-5 P-Nitroso Phosgen 75-44-5 Phosgene 127-91-3 Beta-Phel 98-05-68 Alpha-Pin 127-91-3 Beta-Phel 9555-10-2 Beta-Phel 96-10-9 betanaph 135-19-3 betanaph 1904-82-4 sodium p 1-alkylbe 103-23-1 Bis(2-bet) 103-23-1 Bis(2-bet) 104-78-6 Ethyl acet 141-78-6 Ethyl acet 141-78-6 Ethyl acet 190-94-1 3,3'-dime 119-90-4 3,3'-dime 119-90-4 3,3'-dime 120-32-4-00 3,3'-dime 1119-80-9 3,3'-dime 1119-80-9 3,3'-dime 1119-80-9 3,3'-dime 1119-80-9 3,3'-dime 1119-80-9 3,3'-dime 1119-80-9 3,3'-dime 1119-80-9 3,3'-dime 1119-80-9 3,3'-dime 1119-80-9 3,3'-dime			1000	1%					
110-00-9 Furan (US 98-00-0 Furfuryl a Nitrosod 6-30-6 N-Nitrosc 156-10-5 P-Nitrosc Phosgen 75-44-5 Phosgen 68956-56-9 Terpene ( 123-35-3 Myrcene 5989-27-5 Limonene 80-56-8 Alpha-Pin 127-91-3 Beta-Pine 555-10-2 Beta-Phel betanap 135-19-3 betanaph 135-19-3 betanaph 19-61-9 benzophe sodium p n-alkylbe poly(oxye Michler' 90-94-8 Michler's Michler's 103-23-1 Bis(2-eht) Ethyl acet Benzidin 92-87-5 Benzidine 91-94-1 3,3'-dime 612-83-9 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime		I	1000	1%					
98-00-0 Furfuryl a  Nitrosod  86-30-6 N-Nitrosoc 156-10-5 P-Nitroso Phosgen 75-44-5 Phosgene Terpens 68956-56-9 Terpens 68956-56-9 Terpens 989-27-5 Limonene 80-56-8 Alpha-Pin 127-91-3 Beta-Pine 555-10-2 Beta-Pine 555-10-2 Beta-Pine 555-10-2 Beta-Pine 135-19-3 betanaph benzoph 19-61-9 benzophe sodium p n-alkylbe LCL-103 n-alkylbe LCL-104 poly(oxye Michler's Poly(oxye Michler's 4dipate 103-23-1 Bis(2-eht) Ethyl acet Benzidin 92-87-5 Benzidine 92-87-5 Benzidine 92-87-5 Benzidine 91-94-1 3,3'-dichle 119-90-4 3,3'-dime 612-83-9 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime			1000	404	44.040	11.010	4.500	0.40/	
Nitrosod   Nitrosod	n (USA: added to TRI for RY2011) uryl alcohol	I	1000	1%	11,340	11,340	4,536	0.1%	
156-10-5 P-Nitroso Phosgen 75-44-5 Phosgen 75-44-5 Phosgen 68956-56-9 Terpens 68956-56-9 Terpens 123-35-3 Myrcene 123-35-3 Myrcene 127-91-3 Beta-Pine 555-10-2 Beta-Phel betanap 135-19-3 betanaph 19-61-9 benzophe sodium p 004-82-4 sodium p n-alkylbe LCL-103 n-alkylbe poly(oxye Michler' 90-94-8 Michler's 90-94-8 Michler's 103-23-1 Bis(2-eht) Ethyl acet 141-78-6 Ethyl acet Benzidin 92-87-5 Benzidine 91-94-1 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-83-9 3,3'-dime	rosodiphenylamine								
Phosgen   Phosgen   Terpens   Ferpens   123-35-3   Myrcene   5989-27-5   Limonene   80-56-8   Alpha-Pin   127-91-3   Beta-Pine   555-10-2   Beta-Phe   betanap   135-19-3   betanaph   benzoph   119-61-9   benzophe   sodium   9004-82-4   sodium   palkylbe   LCL-103   n-alkylbe   LCL-104   poly(oxye   Michler'   90-94-8   Michler's   Michler's   Michler's   Ethyl ace   Benzidine   103-23-1   Bis(2-eht   Ethyl ace   Benzidine   91-94-1   3,3'-dime   612-83-9   3,3'-dime   612-83-9   3,3'-dime   612-82-8   3,3'-dime   612-82-	itrosodiphenylamine				11,340	11,340	4,536	1.0%	
75-44-5 Phosgene	trosodiphenylamine				11,340	11,340	4,536	1.0%	
68956-56-9 Terpene ( 123-35-3 Myrcene 5989-27-5 Limonene 80-56-8 Alpha-Pin 127-91-3 Beta-Pine 555-10-2 Beta-Phel betanaph 135-19-3 betznaph 135-19-3 betznaph 135-19-3 betznaph 15-19-4 sodium p 19004-82-4 sodium p 19004-82-4 sodium p 1904-82-4 sodium p 1914-103 n-alkylbe 103-23-1 Bis(2-eht) 119-94-8 Michler's 103-23-1 Bis(2-eht) 141-78-6 Ethyl acet 141-78-6 Ethyl acet 141-78-6 Ethyl acet 192-87-5 Benzidine 192-87-5 Benzidine 192-88-9 3,3'-dime 119-93-7 3,3'-dime 119-93-7 3,3'-dime 11984-09-9 3,3'-dime 11984-09-9 3,3'-dime 11984-09-9 3,3'-dime 11984-09-9 3,3'-dime					11,340	11,340	4,536	1.0%	
123-35-3 Myrcene 5989-27-5 Limonene 5989-27-5 Limonene 127-91-3 Beta-Pine 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-3 Beta-Phel 555-10-3 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 555-10-2 Beta-Phel 561-9-9-4 Sodium p 7-04/(svg-poly(oxye-poly(oxy	•								
5989-27-5         Limonene           80-56-8         Alpha-Pin           127-91-3         Beta-Phe           555-10-2         Beta-Phe           betanap         betanaph           135-19-3         betanaph           benzophe         sodium p           19         sodium p           n-alkylbe         n-alkylbe           LCL-103         n-alkylbe           LCL-104         poly(oxy           Michler'         Michler's           Adipate         Ethyl ace           Benzidin         92-87-5           Benzidin         92-87-5           Benzidine         91-94-1           91-94-1         3,3'-diche           612-83-9         3,3'-diche           612-83-9         3,3'-dime           612-82-40-0         3,3'-dime           612-82-40-0         3,3'-dime           41766-75-0         3,3'-dime	pene (all isomers)								
127-91-3 Beta-Pine 555-10-2 Beta-Pine 555-10-2 Beta-Pine 555-10-2 Beta-Pine 555-10-3 Beta-Pine 135-19-3 betanaph benzoph 119-61-9 benzophe sodium p 9004-82-4 sodium p n-alkylbe LCL-103 n-alkylbe poly(oxy Michler' 90-94-8 Michler's 90-94-8 Michler's 103-23-1 Bis(2-eht) Ethyl ace 141-78-6 Ethyl ace Benzidine 92-87-5 Benzidine 92-87-5 Benzidine 91-94-1 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-8 3,3'-dime 612-83-8 3,3'-dime 612-83-8 3,3'-dime 612-83-8 3,3'-dime 612-83-8 3,3'-dime	onene,D-								
555-10-2 Beta-Phel betanap 135-19-3 betanaph 135-19-3 betanaph 119-61-9 benzoph 119-61-9 sodium p 0004-82-4 sodium p n-alkylbe poly(oxye Michler' 90-94-8 Michler's 4dipate 103-23-1 Bis(2-eht) Ethyl acet Benzidine 92-87-5 Benzidine 91-94-1 3,3'-dichle 119-90-4 3,3'-dichle 119-90-4 3,3'-dichle 119-93-3 3,3'-dime 612-83-9 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime									
135-19-3 betanaph benzoph 119-61-9 benzoph 119-61-9 sodium p 9004-82-4 sodium p n-alkylbe LCL-103 n-alkylbe poly(oxy LCL-104 poly(oxy Michler' 90-94-8 Michler's Adipate 103-23-1 Bis(2-eht) Ethyl ace Benzidin 91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-Dichl 119-93-7 3,3'-dime 612-82-8 3,3'-Dime 20325-40-0 3,3'-dime 20325-40-0 3,3'-dime 211984-09-9 3,3'-dime 41766-75-0 3,3'-dime	a-Phellandrene								
benzoph   sodium     9004-82-4   sodium     9004-82-4   sodium     9004-82-4   sodium     poly(oxyemails)     LCL-103   n-alkylbe   poly(oxyemails)     LCL-104   poly(oxyemails)     90-94-8   Michler's     Adipate     103-23-1   Bis(2-ehther)     Ethylace     141-78-6   Ethylace     Benzidin     92-87-5   Benzidin     92-87-5   Benzidin     92-87-5   Benzidin     91-94-1   3,3'-dime     612-83-9   3,3'-dime     612-83-9   3,3'-dime     612-82-8   3,3'-dime     11999-7   3,3'-dime     11984-09-9   3,3'-dime     11984-09-9   3,3'-dime     11984-09-9   3,3'-dime	anaphthol								
119-61-9 benzophe sodium   9004-82-4 sodium   9004-82-4 sodium   10-61-9 n-alkylbe	·	I	1000	1%					
9004-82-4 sodium p n-alkylbe LCL-103 n-alkylbe LCL-104 poly(oxy Michler' 90-94-8 Michler's Adipate 103-23-1 Bis(2-eht) Ethyl acet Benzidin 91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-Dichl 119-93-7 3,3'-dime 612-82-80-0 3,3'-dime 41766-75-0 3,3'-dime	zophenone	I	1000	1%					
n-alkylbe poly(oxy LCL-104 poly(oxy LCL-104 poly(oxy Michler' 90-94-8 Michler's Adipate 103-23-1 Bis(2-eht) Ethyl ace 141-78-6 Ethyl ace Benzidin 92-87-5 Benzidin 91-94-1 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 1119-93-7 3,3'-dime 111984-09-9 3,3'-dime 111984-09-9 3,3'-dime	ium poly(oxyethylene) dodecyl ether sulfate		4000	40/					
LCL-103 n-alkylbei poly(oxy poly(oxy poly(oxy) Michler' 90-94-8 Michler's Adipate 103-23-1 Bis(2-eht) Ethyl acet 141-78-6 Ethyl acet Benzidin 92-87-5 Benzidin 91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-dime 612-82-8 3,3'-Dime 111994-0-9 3,3'-dime 111984-09-9 3,3'-dime 111984-09-9 3,3'-dime	um poly(oxyethylene) dodecyl ether sulfate   kylbenzenesulfonic acid and its salts (alkyl c=10-14)	l I	1000	1%					
LCL-104 poly(oxye  Michler' 90-94-8 Michler's Adipate 103-23-1 Bis(2-eht) Ethyl ace Benzidin 92-87-5 Benzidine 91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-Dichl 119-93-7 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime 612-83-9 3,3'-dime	kylbenzenesulfonic acid and its salts (alkyl c=10-14)	I	1000	1%					
Michler' 90-94-8 Michler's Adipate 103-23-1 Bis(2-eht) Ethyl ace 141-78-6 Ethyl ace Benzidin 92-87-5 Benzidin 91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-Dichl 119-93-7 3,3'-dime 612-825-40-0 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime	y(oxyethylene) alkyl ether (alkyl c=12-15)								
90-94-8 Michler's  Adipate 103-23-1 Bis(2-eht) Ethyl ace  414-78-6 Ehyl acet Benzidin 92-87-5 Benzidine 91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-Dime 612-82-8 3,3'-Dime 20325-40-0 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime	r(oxyethylene) alkyl ether (alkyl c=12-15) chler's ketone (and its salts)	I	1000	1%					
103-23-1 Bis(2-eht)  Ethyl ace 141-78-6 Ethyl ace 141-78-6 Ethyl ace 141-78-6 Benzidin 92-87-5 Benzidin 91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-dime 612-82-8 3,3'-dime 612-82-8 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime	hler's ketone (and its salts) (Cdn) / Michler's ketone (USA)				11,340	11,340	4,536	0.1%	
Ethyl ace 141-78-6 Ethyl ace Benzidin 92-87-5 Benzidine 91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-Dichl 119-93-7 3,3'-dime 612-82-8 3,3'-Dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime									
141-78-6 Ethyl acet  Benzidin 92-87-5 Benzidin 91-94-1 3,3'-dichl 119-90-4 3,3'-bichl 119-93-7 3,3'-bichl 119-93-7 3,3'-bichl 119-93-7 3,3'-dime 20325-40-0 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime	2-ehtylhexyl) adipate								
92-87-5 Benzidine 91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-Dichl 119-93-7 3,3'-dime 612-82-8 3,3'-Dime 20325-40-0 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime									
91-94-1 3,3'-dichl 119-90-4 3,3'-dime 612-83-9 3,3'-Dichl 119-93-7 3,3'-dime 612-82-8 3,3'-dime 20325-40-0 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime									
119-90-4 3,3'-dime 612-83-9 3,3'-Dichl 119-93-7 3,3'-dime 612-82-8 3,3'-Dime 20325-40-0 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime	zidine -dichlorobenzidine	ı	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
119-93-7 3,3'-dime 612-82-8 3,3'-Dime 20325-40-0 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime	dimethoxybenzidine			1 70	11,340	11,340	4,536	0.1%	
612-82-8 3,3'-Dime 20325-40-0 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime	-Dichlorobenzidine dihydrochloride	1	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
20325-40-0 3,3'-dime 111984-09-9 3,3'-dime 41766-75-0 3,3'-dime		<del>                                     </del>	1000	1 /0	11,340	11,340	4,536	0.1%	
111984-09-9 3,3'-dime 41766-75-0 3,3'-dime	dimethylbenzidine / o-tolidine	1						0.1%	
41766-75-0 3,3'-dime	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)				11,340 11,340	11,340 11,340	4,536 4,536	0.1%	
	dimethylbenzidine / o-tolidine				11,340	11,340	4,536	0.1%	
64969-34-2 3,3'-dichle Safroles	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine hydrochloride				11,340	11,340	4,536	0.1%	
94-59-7 Safrole	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine dihydrofluoride  dichlorobenzidine sulfate				11,040			0.1%	
	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine dihydrofluoride  dichlorobenzidine sulfate				11,340	11,340	4,536		
120-58-1 Isosafrole	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine dihydrofluoride  dichlorobenzidine sulfate  roles  ole  drosafrole				11,340 11,340	11,340 11,340	4,536	0.1%	
	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine dihydrofluoride  dichlorobenzidine sulfate  roles  ole  drosafrole  afrole				11,340	11,340		0.1% 1.0%	
	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine dihydrofluoride  dichlorobenzidine sulfate  roles  ole  drosafrole  afrole	1	1000	1%	11,340 11,340	11,340 11,340	4,536		
	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine dihydrofluoride  dimethoxybenzidine sulfate  dichlorobenzidine sulfate  roles  ole  drosafrole  afrole  orene  rene (USA: added to TRI for RY2011)  thyleugenol		1000	1%	11,340 11,340 11,340 11,340	11,340 11,340 11,340 11,340	4,536 4,536 4,536	0.1%	
	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine dihydrofluoride  dichlorobenzidine sulfate  roles  ole  vdrosafrole  prene  prene (USA: added to TRI for RY2011)  thyleugenol (added to TRI for RY2011)		1000	1%	11,340 11,340 11,340	11,340 11,340 11,340	4,536 4,536	1.0%	
Amines	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine dihydrofluoride  dimethoxybenzidine sulfate  dichlorobenzidine sulfate  roles  ole  drosafrole  afrole  orene  rene (USA: added to TRI for RY2011)  thyleugenol		1000	1%	11,340 11,340 11,340 11,340	11,340 11,340 11,340 11,340	4,536 4,536 4,536	0.1%	
74-89-5 methylan 107-15-3 ethylened	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine sulfate  dichlorobenzidine sulfate  roles  ole  rdrosafrole  afrole  prene  prene (USA: added to TRI for RY2011)  thyleugenol  hyleugenol (added to TRI for RY2011)  ylenediaminetetraacetic acid (EDTA)  vlenediaminetetraacetic acid  ines	1	1000	1%	11,340 11,340 11,340 11,340	11,340 11,340 11,340 11,340	4,536 4,536 4,536	0.1%	
121-44-8 Triethylar	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine sulfate  dichlorobenzidine sulfate  roles  ole  drosafrole  afrole  orene  rene (USA: added to TRI for RY2011)  thyleugenol  hyleugenol (added to TRI for RY2011)  ylenediaminetetraacetic acid (EDTA)  vlenediaminetetraacetic acid  ines  hylamine		1000	1%	11,340 11,340 11,340 11,340	11,340 11,340 11,340 11,340	4,536 4,536 4,536	0.1%	
	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine sulfate  dichlorobenzidine sulfate  roles  ole  rdrosafrole  afrole  prene  prene (USA: added to TRI for RY2011)  thyleugenol  hyleugenol (added to TRI for RY2011)  ylenediaminetetraacetic acid (EDTA)  vlenediaminetetraacetic acid  ines		1000 1000 1000 1000	1% 1% 1% 1%	11,340 11,340 11,340 11,340 11,340	11,340 11,340 11,340 11,340 11,340	4,536 4,536 4,536 4,536 4,536	1.0% 0.1% 0.1%	
107-11-9 Allylamin 102-82-9 tributylar	dimethylbenzidine / o-tolidine  Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)  dimethoxybenzidine dihydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine hydrochloride  dimethoxybenzidine sulfate  dichlorobenzidine sulfate  roles  ole  vdrosafrole  orene  orene (USA: added to TRI for RY2011)  thyleugenol  hyleugenol (added to TRI for RY2011)  ylenediaminetetraacetic acid (EDTA)  vlenediaminetetraacetic acid  ines  hylamine		1000 1000 1000	1% 1% 1%	11,340 11,340 11,340 11,340 11,340	11,340 11,340 11,340 11,340 11,340	4,536 4,536 4,536 4,536	1.0% 0.1% 0.1%	

Pollutant		Thresholds	, Japan: PR	RTR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
101-83-7	N,N-dicyclohexylamine	I	1000	1%					
112-18-5 108-91-8	N,N-dimethyldodecylamine	l l	1000 1000	1% 1%					
108-91-6	cyclohexylamine Nitromethanes	ı	1000	1 70					
75-52-5	Nitromethane (added to TRI for RY2011)	İ	1000	1%	11,340	11,340	4,536	0.1%	
509-14-8	Tetranitromethane (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
74-88-4	Methyl iodide Methyl iodide				11,340	11,340	4,536	1.0%	
74-86-4	Phenolphthalein				11,340	11,540	4,330	1.076	
77-09-8	Phenolphthalein (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
	Diethyl sulfate								
64-67-5	Diethyl sulfate Dimethyl sulfate				11,340	11,340	4,536	0.1%	
77-78-1	Dimethyl sulfate				11,340	11,340	4,536	0.1%	
	dimethyl disulfide					,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
624-92-0	dimethyl disulfide	I	1000	1%					
108-93-0	Cyclohexanol				11 240	11 240	4 E26	1 00/	
108-93-0	Cyclohexanol  Benzoyl peroxide				11,340	11,340	4,536	1.0%	
94-36-0	Benzoyl peroxide				11,340	11,340	4,536	1.0%	
	bis(1-methyl-1-phenylethyl) peroxide								
80-43-3	bis(1-methyl-1-phenylethyl) peroxide		1000	1%					
75-91-2	tert-butyl hydroperoxide tert-butyl hydroperoxide	ı	1000	1%					
	2-Mercaptobenzothiazole			. 70					
149-30-4	2-Mercaptobenzothiazole	I	1000	1%	11,340	11,340	4,536	1.0%	
05 22 0	2-(morpholinodithio)benzothiazole		1000	1%					
95-32-9	2-(morpholinodithio)benzothiazole Imines		1000	1%					
75-55-8	Propyleneimine				11,340	11,340	4,536	0.1%	
151-56-4	ethyleneimine	I	1000	1%	11,340	11,340	4,536	0.1%	
462 59 1	CARBONYL SULFIDE CARBONYL SULFIDE				11,340	11,340	4,536	1.0%	
463-58-1	Terephthalic acid				11,340	11,540	4,330	1.076	
100-21-0	Terephthalic acid	I	1000	1%					
	Ethyl chloroformate								
541-41-3	Ethyl chloroformate				11,340	11,340	4,536	1.0%	
872-50-4	N-Methyl-2-pyrrolidone N-Methyl-2-pyrrolidone				11,340	11,340	4,536	1.0%	
	N-vinyl-2-pyrrolidone								
88-12-0	N-vinyl-2-pyrrolidone	I	1000	1%					
64-18-6	Short chain fatty acids Formic acid				11,340	11,340	4,536	1.0%	
64-19-7	Acetic acid (ethanoic acid)				11,010	11,010	1,000	1.070	
	Acetophenones								
98-86-2 532-27-4	Acetophenone 2-chloroacetophenone				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
332-27-4	Peracetic acid				11,540	11,040	7,000	1.070	
79-21-0	Peracetic acid (Peracetic acid (and its salts))				11,340	11,340	4,536	1.0%	
	Alkaloids								
357-57-3 LCL-105	Brucine strychnine and salts				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
LCL-105	2-Nitropropane				11,540	11,040	7,000	1.070	
79-46-9	2-Nitropropane				11,340	11,340	4,536	0.1%	
1634.04.4	Methyl tert-butyl ether				44.040	44.040	4.500	4.00/	
1634-04-4	Methyl tert-butyl ether  Diethanolamine				11,340	11,340	4,536	1.0%	
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)				11,340	11,340	4,536	1.0%	
	Dimethyldithiocarbamates								
128-04-1 128-03-0	Sodium Dimethyldithiocarbamate  Potassium Dimethyldithiocarbamate				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
137-41-7	Potassium Dimethyldithiocarbamate  Potassium N-methyldithiocarbamate				11,340	11,340	4,536	1.0%	
LCL-106	water-soluble salts of dimethyldithiocarbamic acid	I	1000	1%	, -			•	
LCL 107	TOC  Total expense surhers (TOC) (as total C or COD/2)								
LCL-107 Active substan	Total organic carbon (TOC) (as total C or COD/3)  nces of plant protection products or biocidal products								
c.ivc substal	Alachlor								
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Diuron								
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU  Triazine compounds	I	1000	1%	11,340	11,340	4,536	1.0%	
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	I	1000	1%	11,340	11,340	4,536	1.0%	
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)	Í	1000	1%	11,340	11,340	4,536	1.0%	
108-77-0	2,4,6-trichloro-1,3,5-triazine	1	1000	1%					
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine  Trifluralin	l l	1000	1%					
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine )	I	1000	1%	45	45	45	‡	
	chloridazon								_
	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one		1000	1%					
1698-60-8									
	metribuzin	I	1000	1%	11 340	11 340	4 536	1 በ%	
1698-60-8 21087-64-9		I	1000	1%	11,340	11,340	4,536	1.0%	
	metribuzin 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one	I	1000	1%	11,340	11,340	4,536	1.0%	

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate	I	1000	1%					
149877-41-8	bifenazate isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate	I	1000	1%					
66332-96-5	flutolanil 3'-isopropoxy-2-trifluoromethylbenzanilide	I	1000	1%					
13516-27-3	iminoctadine 1,1'-[iminodi(octamethylene)]diguanidine butamifos	I	1000	1%					
36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate  EPN	I	1000	1%					
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate alanycarb	I	1000	1%					
83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate	I	1000	1%					
98886-44-3	fosthiazate O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate mancozeb	I	1000	1%					
8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate)	I	1000	1%					
85-00-7	diquat dibromide 1,1'-ethylene-2,2'-bipyridinium dibromide	I	1000	1%					
80844-07-1	etofenprox 2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether	I	1000	1%					
	$\label{thm:mixture} \mbox{mixture of emamectin B1a benzoate and emamectin B1b benzoate}$								
155569-91-8	emamectin benzoate tolfenpyrad	I	1000	1%					
129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide fluazinam	I	1000	1%					
79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine  pretilachlor	I	1000	1%					
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide mecoprop	I	1000	1%					
7085-19-0	(RS)-2-(4-chloro-o-tolyloxy)propionic acid indanofan	I	1000	1%					
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione	I	1000	1%					
158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide hexythiazox	I	1000	1%					
78587-05-0	(4RS,5RS)-5-{4-chlorophenyl}-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide  tebuconazole	I	1000	1%					
107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol fenbuconazole	I	1000	1%					
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile  cumyluron	I	1000	1%					
99485-76-4	diclocymet	I	1000	1%					
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide <b>tralomethrin</b>	ı	1000	1%					
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-{1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate	I	1000	1%					
57966-95-7	cymoxanil trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea	I	1000	1%					
15263-53-3	cartap 1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane iprodione	I	1000	1%					
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide tetraconazole	I	1000	1%					
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether  oxaziclomefone	I	1000	1%					
153197-14-9	3.5[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl- 2H-1,3-oxazin-4-one pyrazoxyfen	I	1000	1%					
71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone  pyrazolynate	I	1000	1%					
58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate	I	1000	1%					
3347-22-6	dithianon 2,3-dicyano-1,4-dithiaanthraquinone	I	1000	1%					
50512-35-1	isoprothiolane diisopropyl 1,3-dithiolan-2-ylidenemalonate	1	1000	1%					
	carbosulfan					<del></del>			

Case Number	Pollutant		Thresholds	s, Japan: PF	PTR	Thresholds, US	: TRI			
1   10.00   179   10.00   17		Pollutant Name	Chemical	Usage		Manufacture	Process	Use		Caveats/ Notes
1800.00   15   15   15   15   15   15   15	55285-14-8	methylcarbamate	ı	1000	1%					
2500 56.1 1. 2.2 simusthys 2.2 simplers -1 benearborary -7 18 (Hz -1 embryachtshare)   1 1000   1%   2600 179   1000 179	31895-21-3		I	1000	1%					
Social Content   Social Acctanophoperaporative	82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-	I	1000	1%					
27355-222   4.5.6.7.tetrachroroscheronachroman   1819-00e   196	3861-47-0	ioxynil octanoate	I	1000	1%					
2558.5.22   23.55.64ct   Activacy - Amethylicancy   2-3 ct vibro - 3.3 strill vibro - 1.   1   1000   1%   156	27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one	I	1000	1%					
Coloration   Col	79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-	I	1000	1%					
2-sert-Sury/immo-3-soprosyl-5-phenyletrallydro-4H-1,3-5-thadazin-4-one-tebu/moraide   1 1000   1%   1	95465-99-9	cadusafos	I	1000	1%					
Table   Tabl	69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-	ı	1000	1%					
134096.61-6		diafenthiuron	I							
134098-1-6   pyr/doben	80060-09-9	fenpyroximate	I	1000	1%					
Salas   1-3   2   1-15   1-1	134098-61-6	pyrazolyl)methylidene]aminooxy}methyl)benzoate	I	1000	1%					
	96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone	I	1000	1%					
Indoxacarb	23184-66-9		I							
173584-44-6 trflluoromethoxyphemyll;arbamoylljindeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate carboxylate carboxylate carboxylate carboxylate carboxylate carboxylate carboxylate carboxylate carbom 144-54-7 N-methyldthiocarbamic acid I 1000 1% methoxylatylbidiocarbamic acid I 1000 1% methyl-N-fidenthyl-N-fid	89269-64-7	indoxacarb	I	1000	1%					
131860-33-8   methory/acrylate   1   1000   1%   1   1000   1%     1   1   1000   1%     1   1   1000   1%     1   1   1   1   1   1   1   1	173584-44-6	trifluoromethoxyphenyl) carbamoyl] indeno [1,2-e] [1,3,4] oxadiazine-4 a-carboxylate	I	1000	1%					
1454-7	131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3- methoxyacrylate	I	1000	1%					
23135-22-0   methyl-N;N'-dimethyl-N-{(methylcarbamoyl)oxy}-1-thiooxamimidate         1000     1%	144-54-7	N-methyldithiocarbamic acid	I	1000	1%					
1	23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate	I	1000	1%					
The properties of the proper	136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-	I	1000	1%					
16752-77-5   S-methyl-N-(methylcarbamoyloxy)thioacetimidate   1   1000   1%	55814-41-0	mepronil	I	1000	1%					
141517-21-7   methyl (E)-methoxyimino-[2-[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate	16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate	I	1000	1%					
143390-89-0   methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate	141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3-	ı	1000	1%					
13684-63-4   3-methoxycarbonylaminophenyl 3'-methylcarbanilate   1   1000   1%	143390-89-0	•	I	1000	1%					
88678-67-5 O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate I 1000 1%  Chlorfenvinphos  70-90-8 Chlorfenvinphos  Chlorpyrifos  5598-13-0 Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]  2921-88-2 Chlorpyrifos I 1000 1%  Endosulphan  115-29-7 Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-		phenmedipham	I							
Chlorfenvinphos   Chlorfenvinphos   Chlorpyrifos   Chlorpyrifos   Chlorpyrifos   Chlorpyrifos methyl [0,0-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]   11,340   11,340   4,536   1.0%   2921-88-2   Chlorpyrifos   I   1000   1%   Endosulphan   Endosulphan   6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-   1000   1%   1%   1000   1%   1%   1%	88678-67-5		ı	1000	1%					
Chlorpyrifos   Chlorpyrifos methyl [0,0-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]   11,340   11,340   4,536   1.0%   2921-88-2   Chlorpyrifos   1   1000   1%   Endosulphan   115,79-7   Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-   1   1000   1%   1%   1%   1%   1%   1		Chlorfenvinphos								
11,340   11,340   4,330   1.0%		Chlorpyrifos						<del></del>		
Endosulphan  115,79.7 Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-  1 1000 196		pyridyl)phosphorothioate]	I	1000	1%	11,340	11,340	4,536	1.0%	
methano-2 4 3-henzodioxathienine 3-oxide		Endosulphan Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-	ı							
Hexachlorocyclohexane		•	'	1000	1 70					
608-73-1 1,2,3,4,5, 6-hexachlorocyclohexane (HCH)  Isodrin	608-73-1									
465-73-6 Isodrin 5 5 5 5 ‡  Isoproturon	465-73-6	Isodrin				5	5	5	‡	
34123-59-6 Isoproturon 2,4-D 2	34123-59-6	Isoproturon								
94-75-7 2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA I 1000 1% 11,340 11,340 4,536 0.1%	94-75-7 2702-72-9	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA 2,4-D sodium salt	I	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
	94-80-4	2,4-D esters 2.4-D butyl ester				11 3/10	11 3/10	A 536	Λ 1%-	
2,4-D esters	01928-43-4	2,4-D 2-ethylhexyl ester				11,340	11,340	4,536	0.1%	
2,4-D esters       94-80-4     2,4-D butyl ester     11,340     11,340     4,536     0.1%       01928-43-4     2,4-D 2-ethylhexyl ester     11,340     11,340     4,536     0.1%	94-11-1 01929-73-3	2,4-D butoxyethyl ester				11,340 11,340	11,340 11.340	4,536 4,536	0.1%	
2,4-D esters           94-80-4         2,4-D butyl ester         11,340         11,340         4,536         0.1%           01928-43-4         2,4-D 2-ethylhexyl ester         11,340         11,340         4,536         0.1%	1320-18-9	2,4-D propylene glycol butyl ether ester				11,340	11,340	4,536	0.1%	

1.   1.   1.   1.   1.   1.   1.   1.	Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	: TRI			
2,4 OP	CAS Number	Pollutant Name		_	Concentration			Use		
1,240	53404-37-8					11,340	11,340	4,536	0.1%	
2,4.08	120-36-5	•				11,340	11,340	4,536	0.1%	
Society   1,500   1,		2,4-DB								
	94-82-6					11,340	11,340	4,536	1.0%	
	115-32-2	Dicofol [Benzenemethanol, 4-chloroalpha4-(chlorophenyl)alpha (trichloromethyl)-]				11,340	11,340	4,536	1.0%	
	107-22-2	·	1	1000	1%					
		·			170					
Processing	94-74-6		ı	1000	1%					
Perdimethalin	3033-46-3					11,040	11,040	7,000	0.170	
	23950-58-5		I	1000	1%	11,340	11,340	4,536	1.0%	
Analysis   Analysis	40487-42-1		1	1000	1%	45	45	45	+	
Nation	10 107 12 2		·	1000	1,70				тт	
10.000   1.0	61-82-5					11,340	11,340	4,536	0.1%	
Outstands	300-76-5					11.340	11.340	4.536	1.0%	
Livure						,	, ,	.,,		
10000   15	82-68-8					11,340	11,340	4,536	1.0%	
District   1	330-55-2		I	1000	1%	11.340	11.340	4.536	1.0%	
		Diazinon			. 70	. 1,5 .0	, 5 . 5	.,000	,	
1000   1%   11,340   11,340   4,638   1,0%	333-41-5	phosphorothioate)	I	1000	1%	11,340	11,340	4,536	1.0%	
1   1000   196   11.340   11.340   11.340   11.340   1.340   4.538   1.0%	533-74-4 53404-60-7	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine )	I	1000	1%					
Benomy										
	52-68-6		I	1000	1%	11,340	11,340	4,536	1.0%	
1	17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2- benzimidazolyl]carbamate)	I	1000	1%	11,340	11,340	4,536	1.0%	
1   1000   15   11,340   1,340   4,538   1,0%	28249-77-6		I	1000	1%	11,340	11,340	4,536	1.0%	
Propant    Propant	22000 64 4			1000	40/	11 210	11 210	4.500	4.00/	
Sulprofos   Sulprofos   Sulprofos   Sulprofos   Sulprofos   Octobro   Octo	33089-01-1		'	1000	170	11,340	11,340	4,330	1.076	
Second-32   Sulprofos (Octatly O-4-(inethylthiol)phenyl 5-in-propyl phosphorothioate)   11,340   11,340   11,340   14,365   1.0%	709-98-8					11,340	11,340	4,536	1.0%	
Profeendiss (0.4-shormo-2-chlorophenyl O-ethyl S-propyl prophosity propyl prophosity prophosity prophosity prophosity prophosity prophosity (2.5-chloroxinyl)-2.2-	35400-43-2	Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl				11,340	11,340	4,536	1.0%	
Permethrin	41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl	I	1000	1%	11,340	11,340	4,536	1.0%	
Comment   Comm										
	52645-53-1		I	1000	1%	11,340	11,340	4,536	1.0%	
Dichlorvos / DDVP	76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-	I	1000	1%	11,340	11,340	4,536	1.0%	
Chloropicrin   Chloropicrin (trichloronitromethane)   1   1000   1%   11,340   11,340   4,536   1.0%   1,340   3,252   Carbary   AsC   Carbary   AsC   Carbary   AsC   Carbary   Chapithyl Nemethylcarbamate)   1   1000   1%   11,340   11,340   4,536   1.0%   1,340   1,340   4,536   1.0%   1,340   1,340   4,536   1.0%   1,340										
Carbary    NAC	62-73-7		I	1000	1%	11,340	11,340	4,536	0.1%	
1   1000   1%   11,340   11,340   4,536   1.0%	76-06-2	Chloropicrin (trichloronitromethane)	I	1000	1%	11,340	11,340	4,536	1.0%	
1	63-25-2	• • • • • • • • • • • • • • • • • • • •	I	1000	1%	11,340	11,340	4,536	1.0%	
Paraquat dichloride / paraquat	1007.45.6			1000	40/	44.040	11 210	4.500	0.40/	
Fentitothion / MEP	1897-45-6		'	1000	1%	11,340	11,340	4,536	0.1%	
Fenthion  Fenthion  Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)   1 1000   1%   11,340   11,340   4,536   1.0%    Molinate  2212-67-1   Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)   1 1000   1%   11,340   11,340   4,536   1.0%    Propargite / BPPS  2312-35-8   Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )   1 1000   1%   11,340   11,340   4,536   1.0%    Chinomethionat  Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)   11,340   11,340   4,536   1.0%    Famphur  32-85-7   Famphur   11,340   11,340   4,536   1.0%    Tebuthiuron  34014-18-1   Tebuthiuron   11,340   11,340   4,536   1.0%    Tebuthiuron  74051-80-2   Sethoxydim   11,340   11,340   4,536   1.0%    Thiodicarb  Thiodicarb  Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-	1910-42-5		I	1000	1%	11,340	11,340	4,536	1.0%	
Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)   1   1000   1%   11,340   11,340   4,536   1.0%	122-14-5		I	1000	1%					
Molinate   Molinate	FF 30 0			4000	401	44.040	44.040	4.500	4.00/	
1 1000	20-20-3		'	1000	1%	11,340	11,340	4,536	1.0%	
1000   1%   11,340   11,340   4,536   1.0%	2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)	I	1000	1%	11,340	11,340	4,536	1.0%	
2439-01-2 Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)	2312-35-8	Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )	I	1000	1%	11,340	11,340	4,536	1.0%	
Seeding   Fame   2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)				11,340	11,340	4,536	1.0%		
Tebuthiuron	52-85-7	•				11 2/10	11 240	A 526	1.00/	
Sethoxydim	J2 0J-1					11,340	11,040	4,000	1.070	
74051-80-2 Sethoxydim 11,340 11,340 4,536 1.0%  Thiodicarb  Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-  1 1000 1% 11,340 11,340 4,536 1.0%	34014-18-1					11,340	11,340	4,536	1.0%	
Thiodicarb  Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-  1000 1% 11 340 11 340 4 536 1 0%	74051-80-2	•				11.340	11.340	4.536	1.0%	
		Thiodicarb				.,2.0	,	,		
	59669-26-0		I	1000	1%	11,340	11,340	4,536	1.0%	

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
93-65-2	Mecoprop Mecoprop				11,340	11,340	4,536	0.1%	
116-06-3	Aldicarb				11,340	11,340	4,536	1.0%	
110 00 3	Captan				11,040	11,040	4,000	1.070	
133-06-2	Captan				11,340	11,340	4,536	1.0%	
133-07-3	Folpet Folpet				11,340	11,340	4,536	1.0%	
	Chloramben								
133-90-4	Chloramben Ferbam				11,340	11,340	4,536	1.0%	
14484-64-1	Ferbam				11,340	11,340	4,536	1.0%	
56-38-2	Parathion Parathion				11,340	11,340	4,536	1.0%	
298-00-0	Methylparathion				11,340	11,340	4,536	1.0%	
	Pirimiphos methyl Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O-								
29232-93-7	dimethyl phosphorothioate	I	1000	1%	11,340	11,340	4,536	1.0%	
25267.20.5	Diflubenzuron				11 210	11 210	4.500	1.00/	
35367-38-5	Diflubenzuron  Metham sodium				11,340	11,340	4,536	1.0%	
137-42-8	Metham sodium				11,340	11,340	4,536	1.0%	
20545	Fenpropathrin Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-		4===	4.5.5	4	44.515			
39515-41-8	tetramethylcyclopropanecarboxylate	I	1000	1%	11,340	11,340	4,536	1.0%	
67485-29-4	Hydramethylnon Hydramethylnon				11,340	11,340	4,536	1.0%	
	Abamectin					,0.10	1,000		
71751-41-2	Abamectin Lactofen				11,340	11,340	4,536	1.0%	
77501-63-4	Lactofen				11,340	11,340	4,536	1.0%	
142.50.6	Nabam				44.040	44.040	4.500	4.00/	
142-59-6	Nabam Thiabendazole				11,340	11,340	4,536	1.0%	
148-79-8	Thiabendazole				11,340	11,340	4,536	1.0%	
150-50-5	Merphos Merphos				11,340	11,340	4,536	1.0%	
130 30 3	Monuron								
150-68-5	Monuron Methoxychlor				11,340	11,340	4,536	1.0%	
72-43-5	Methoxychlor				45	45	45	‡	
	Tetramethrin								
7696-12-0	Tetramethrin / cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans- 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate	I	1000	1%	11,340	11,340	4,536	1.0%	
10453-86-8	Resmethrin Resmethrin				11,340	11,340	4,536	1.0%	
	Ethoprop								
13194-48-4	Ethoprop Oxydemeton methyl				11,340	11,340	4,536	1.0%	
301-12-2	Oxydemeton methyl				11,340	11,340	4,536	1.0%	
13684-56-5	Desmedipham Desmedipham				11,340	11,340	4,536	1.0%	
13684-56-5	Desmedipham Oryzalin				11,340	11,340	4,536	1.0%	
19044-88-3	Oryzalin				11,340	11,340	4,536	1.0%	
	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-								
314-40-9	2,4-dione	I	1000	1%	11,340	11,340	4,536	1.0%	
53404-19-6	Bromacil, lithium salt  Bendiocarb				11,340	11,340	4,536	1.0%	
22781-23-3	Bendiocarb				11,340	11,340	4,536	1.0%	
26002-80-2	Phenothrin Phenothrin				11,340	11,340	4,536	1.0%	
	Triforine								
26644-46-2	Triforine Propetamphos				11,340	11,340	4,536	1.0%	
31218-83-4	Propetamphos				11,340	11,340	4,536	1.0%	
35554-44-0	Imazalil Imazalil				11,340	11,340	4,536	1.0%	
33334-44-U	Triadimefon				11,340	11,340	4,330		
43121-43-3	Triadimefon				11,340	11,340	4,536	1.0%	
55335-06-3	Triclopyr (3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)	I	1000	1%					
57213-69-1	Triclopyr triethylammonium salt				11,340	11,340	4,536	1.0%	
	Propiconazole								
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole	I	1000	1%	11,340	11,340	4,536	1.0%	
68359-37-5	Cyfluthrin Cyfluthrin				11,340	11,340	4,536	1.0%	
00333-37-3	Fluazifop butyl				11,340	11,340	4,000	1.076	
69806-50-4	Fluazifop butyl				11,340	11,340	4,536	1.0%	
72490-01-8	Fenoxycarb Fenoxycarb				11,340	11,340	4,536	1.0%	

Pollutant		Thresholds	s, Japan: PF	TR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	Chlorobenzilate Chlorobenzilate				11,340	11,340	4,536	1.0%	
	Bifenthrin								
	Bifenthrin Terbacil				11,340	11,340	4,536	1.0%	
	Terbacil				11,340	11,340	4,536	1.0%	
	Mevinphos Mevinphos				11,340	11,340	4,536	1.0%	
	Metiram				11,540	11,340	4,550	1.076	
	Metiram				11,340	11,340	4,536	1.0%	
	Ametryn Ametryn				11,340	11,340	4,536	1.0%	
	Diphenamid				44.040	44.040	4.500	4.00/	
	Diphenamid Pebulate				11,340	11,340	4,536	1.0%	
	Pebulate				11,340	11,340	4,536	1.0%	
	Cycloate Cycloate				11,340	11,340	4,536	1.0%	
	Methazole				44.040	11.010	4.500	4.00/	
	Methazole  Cyanazine				11,340	11,340	4,536	1.0%	
21725-46-2	Cyanazine	I	1000	1%	11,340	11,340	4,536	1.0%	
	Isofenphos Isofenphos				11,340	11,340	4,536	1.0%	
	Norflurazon								
	Norflurazon Bromoxynil				11,340	11,340	4,536	1.0%	
1689-84-5	Bromoxynil				11,340	11,340	4,536	1.0%	
	Bromoxynil octanoate Nitrofen				11,340	11,340	4,536	1.0%	
	Nitrofen				11,340	11,340	4,536	0.1%	
	Diethatyl ethyl Diethatyl ethyl				11,340	11,340	4,536	1.0%	
	Benfluralin				11,540	11,540	4,550	1.076	
	Benfluralin				11,340	11,340	4,536	1.0%	
	<b>Dinocap</b> Dinocap				11,340	11,340	4,536	1.0%	
	Oxyfluorfen				44.040	44.040	4.500	4.00/	
	Oxyfluorfen Dicamba				11,340	11,340	4,536	1.0%	
	Dicamba Coding disease				11,340	11,340	4,536	1.0%	
	Sodium dicamba Dimethylamine dicamba				11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
	Vinclozolin Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-								
	2,4-dione	I	1000	1%	11,340	11,340	4,536	1.0%	
	Picloram Picloram				11,340	11,340	4,536	1.0%	
	Propachlor				11,540	11,340	4,550	1.076	
	Propachlor Hexazinone				11,340	11,340	4,536	1.0%	
	Hexazinone				11,340	11,340	4,536	1.0%	
	Diclofop methyl				44.040	44.040	4.500	4.00/	
	Diclofop methyl Nitrapyrin				11,340	11,340	4,536	1.0%	
	Nitrapyrin				11,340	11,340	4,536	1.0%	
	Dimethipin Dimethipin				11,340	11,340	4,536	1.0%	
	Methiocarb								
	Methiocarb Fenarimol				11,340	11,340	4,536	1.0%	
60168-88-9	Fenarimol				11,340	11,340	4,536	1.0%	
	Acifluorfen, sodium salt Acifluorfen, sodium salt				11,340	11,340	4,536	1.0%	
	Chlorsulfuron								
	Chlorsulfuron Dipotassium endothall				11,340	11,340	4,536	1.0%	
2164-07-0	Dipotassium endothall				11,340	11,340	4,536	1.0%	
	Fenoxaprop ethyl Fenoxaprop ethyl				11,340	11,340	4,536	1.0%	
	Fluometuron						·		-
	Fluometuron  Cyhalothrin				11,340	11,340	4,536	1.0%	
68085-85-8	Cyhalothrin				11,340	11,340	4,536	1.0%	
	Fluvalinate Fluvalinate				11,340	11,340	4,536	1.0%	
	Fomesafen				11,340	11,340	4,000		
	Fomesafen				11,340	11,340	4,536	1.0%	
2303-16-4	Allate Diallate				11,340	11,340	4,536	1.0%	
	Triallate Anilazine				11,340	11,340	4,536	1.0%	
	Anilazine Anilazine				11,340	11,340	4,536	1.0%	
	Myclobutanil								

Pollutant		Thresholds	s, Japan: PR	TR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile	I	1000	1%	11,340	11,340	4,536	1.0%	
2439-10-3	Dodine Chlorimuron ethyl				11,340	11,340	4,536	1.0%	
90982-32-4	Chlorimuron ethyl				11,340	11,340	4,536	1.0%	
101200-48-0	Tribenuron methyl Tribenuron methyl				11,340	11,340	4,536	1.0%	
3383-96-8	Temephos Temephos				11,340	11,340	4,536	1.0%	
	Fenvalerate Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-						•		
51630-58-1	methylbutyrate) Propoxur				11,340	11,340	4,536	1.0%	
114-26-1	Propoxur (2-isopropoxyphenyl N-methylcarbamate)  Malathion / malathon				11,340	11,340	4,536	1.0%	
121-75-5	Malathion (0,0-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)  Dimethoate	I	1000	1%	11,340	11,340	4,536	1.0%	
60-51-5	Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)	ı	1000	1%	11,340	11,340	4,536	1.0%	
70.20.4	Hexachlorophene				11 210	11 210	4.526	1.00/	
70-30-4	Hexachlorophene Methyl isothiocyanate	<del> </del>			11,340	11,340	4,536	1.0%	
556-61-6	Methyl isothiocyanate Thiophanate	ı	1000	1%	11,340	11,340	4,536	1.0%	
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)	ı	1000	1%	11,340	11,340	4,536	1.0%	
23564-06-9	Thiophanate ethyl				11,340	11,340	4,536	1.0%	
122008-85-9	Cyhalofop / cyhalofop-butyl butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate	ı	1000	1%					
298-04-4	Disulfuton / ethylthiometon  O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate	ı	1000	1%					
62850-32-2	Fenothiocarb S-4-phenoxybutyl N,N-dimethylthiocarbamate		1000	1%					
02030 32 2	Halosulfuron-Methyl		1000	170					
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1- methylpyrazole-4-carboxylate Fumazone	I	1000	1%					
96-12-8	1,2-dibromo3-chloropropane Difenoconazole				11,340	11,340	4,536	0.1%	
119446-68-3	1-{(2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2- yl]methyl]-1H-1,2,4-triazole	I	1000	1%					
34643-46-4	Prothiofos O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate	I	1000	1%					
97-23-4	Dichlorophene Dichlorophene				11,340	11,340	4,536	1.0%	
97-23-4	Dichlorophene  Bromol				11,340	11,340	4,550	1.0%	
118-79-6	2,4,6-tribromophenol	I	1000	1%					
7287-19-6	Prometryn Prometryn				11,340	11,340	4,536	1.0%	
7287-13-0	Dichloran				11,540	11,540	4,550	1.076	
99-30-9	Dichloran Maneb				11,340	11,340	4,536	1.0%	
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] / manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Methidathion / DMTP								
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate  Tetrachlorvinphos	I	1000	1%					
961-11-5	Tetrachlorvinphos				11,340	11,340	4,536	1.0%	
18854-01-8	Isoxathion O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate	I	1000	1%					
26087-47-8	Kitazin P / iprobenfos / IBP S-benzyl O,O-diisopropyl phosphorothioate	1	1000	1%					
1194-65-6	dichlobenil / DBN 2,6-dichlorobenzonitrile	I	1000	1%					
17109-49-8	Edifenphos / EDDP O-ethyl S,S-diphenyl phosphorodithioate	1	1000	1%					
	Pyraclofos	<u> </u>	1000	1 /0					
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate  Oxidiazon	ı	1000	1%					
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one	I	1000	1%	11,340	11,340	4,536	1.0%	
30560-19-1	Acephate / (RS)-0,S-dimethyl acetylphosphoramidothioate	I	1000	1%	11,340	11,340	4,536	1.0%	
35691-65-7	Metacide 38 1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile				11,340	11,340	4,536	1.0%	
51218-45-2	Metolachlor 2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide	<u> </u>	1000	1%					
55406-53-6	3-iodo-2-propynyl butylcarbamate 3-iodo-2-propynyl butylcarbamate				11,340	11,340	4,536	1.0%	
	Mefenacet					11,340	4,330	1.0%	
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide	I	1000	1%				· ·	

Pollutant		Threshold	s, Japan: PF	RTR	Thresholds, US	: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
74115-24-5	Clofentezine 3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine		1000	1%					
74113-24-3	Phosalone	-	1000	1 70					
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate	1	1000	1%					
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate	I	1000	1%	11,340	11,340	4,536	1.0%	
	Phenthoate / PAP		1000	40/					
2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate  Tebufenpyrad	-	1000	1%					
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide	I	1000	1%					
	Cafenstrole N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-								
125306-83-4	carboxamide  Fipronil	I	1000	1%					
120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4- [(trifluoromethyl)suffinyl]pyrazole	I	1000	1%					
2631-40-5	Isoprocarb / MIPC 2-isopropylphenyl N-methylcarbamate	1	1000	1%					
	Landrin			,,					
2655-15-4	2,3,5-trimethylphenyl methylcarbamate 2,4-D chlorocrotyl ester	-			11,340	11,340	4,536	1.0%	
2971-38-2	2,4-D chlorocrotyl ester				11,340	11,340	4,536	0.1%	
	Fenobucarb / BPMC								
3766-81-2	2-sec-butylphenyl N-methylcarbamate  D-trans-allethrin		1000	1%					
28057-48-9	D-trans-allethrin				11,340	11,340	4,536	1.0%	
4080-31-3	<b>Dowicil 200</b> 1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride				11,340	11,340	4,536	1.0%	
4549-40-0	N-nitrosomethylvinylamine N-nitrosomethylvinylamine				11,340	11,340	4,536	0.1%	
F224 69 4	Carboxin				44.240	44.240		4.00/	
5234-68-4	Carboxin Thiram				11,340	11,340	4,536	1.0%	
137-26-8	Thiram (tetramethylthiuram disulfide)  Sodium fluoroacetate	ı	1000	1%	11,340	11,340	4,536	1.0%	
62-74-8	Sodium fluoroacetate				11,340	11,340	4,536	1.0%	
57-57-8	Beta-propiolactone Beta-propiolactone				11,340	11,340	4,536	0.1%	
37-37-6	Dipropyl isocinchomeronate				11,540	11,340	4,330	0.176	
136-45-8	Dipropyl isocinchomeronate				11,340	11,340	4,536	1.0%	
Colors and dy	C.I. Fluorescent 260								
16090-02-1	disodium2,2'-vinylenebis[5-{4-morpholino-6-anilino-1,3,5-triazin-2-ylamino]benzenesulfonate]	I	1000	1%					
	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6- dinitrophenylazo)-4'-methoxyacetanilide								
3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide  C.I. Food Red	S	500	0.1%					
3761-53-3	C.I. Food Red 5				11,340	11,340	4,536	0.1%	
81-88-9	C.I. Food Red 15				11,340	11,340	4,536	1.0%	
60-09-3	C.I. Solvent Yellow C.I. Solvent Yellow 3 / 4-aminoazobenzene				11,340	11,340	4,536	0.1%	
97-56-3	C.I. Solvent Yellow 3				11,340	11,340	4,536	0.1%	
492-80-8 842-07-9	C.I. Solvent Yellow 34 C.I. Solvent Yellow 14				11,340 11,340	11,340 11,340	4,536 4,536	0.1% 1.0%	
842-07-3	C.I. Basic Green				11,540	11,540	4,550	1.070	
569-64-2	C.I. Basic Green 4				11,340	11,340	4,536	1.0%	
128-66-5	C.I. Vat Yellow C.I. Vat Yellow 4				11,340	11,340	4,536	1.0%	
128-00-3	C.I. Basic Red				11,540	11,540	4,330	1.076	
989-38-8	C.I. Basic Red 1 C.I. Direct Black		-	<del></del>	11,340	11,340	4,536	1.0%	-
1937-37-7	C.I. Direct Black 38 C.I. Direct Blue				11,340	11,340	4,536	0.1%	
2602-46-2	C.I. Direct Blue C.I. Direct Blue 6	<del>                                     </del>			11,340	11,340	4,536	0.1%	
28407-37-6	C.I. Direct Blue 218				11,340	11,340	4,536	1.0%	
2832-40-8	C.I. Disperse Yellow C.I. Disperse Yellow 3	-			11,340	11,340	4,536	1.0%	
	C.I. Solvent Orange								
3118-97-6	C.I. Solvent Orange 7 C.I. Acid Green				11,340	11,340	4,536	1.0%	
4680-78-8	C.I. Acid Green 3 C.I. Acid Red				11,340	11,340	4,536	1.0%	_
6459-94-5	C.I. Acid Red 114				11,340	11,340	4,536	0.1%	
16071-86-6	C.I. Direct Brown C.I. Direct Brown 95				11,340	11,340	4,536	0.1%	
72-57-1	Trypan blue Trypan blue				11,340	11,340	4,536	0.1%	
	aceutical ingredient (API)				11,340	11,340	4,000	U.176	
•	Fluorouracil								
51-21-8	Fluorouracil	ı			11,340	11,340	4,536	1.0%	

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US	S: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
97-77-8	disulfiram tetraethylthiuram disulfide / disulfiram		1000	1%					
	Nicotine			.,,	44.040	44.040	4.500	4.00/	
LCL-108	Nicotine and salts Phenytoin				11,340	11,340	4,536	1.0%	
57-41-0	Phenytoin Pentobarbital sodium				11,340	11,340	4,536	0.1%	
57-33-0	Pentobarbital sodium				11,340	11,340	4,536	1.0%	
64-75-5	Tetracycline hydrochloride Tetracycline hydrochloride				11,340	11,340	4,536	1.0%	
	Triaziquone								
68-76-8	Triaziquone Warfarin				11,340	11,340	4,536	1.0%	
LCL-109	Warfarin and salts				11,340	11,340	4,536	1.0%	
75-08-1	organic substances ethanethiol	I	1000	1%					
25103-58-6 420-04-2	tert-dodecanethiol cyanamide	!	1000 1000	1% 1%					
17796-82-6	N-(cyclohexylthio)phthalimide	i	1000	1%					
4979-32-2 505-32-8	N,N-dicyclohexyl-2-benzothiazolesulfenamide 3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol	I	1000 1000	1% 1%					
112-57-2 112-24-3	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine triethylenetetramine	I	1000 1000	1% 1%					
99-76-3	methyl 4-hydroxybenzoate	i	1000	1%					
103-90-2 941-69-5	N-(4-hydroxyphenyl)acetamide N-phenylmaleimide	1	1000 1000	1% 1%					
2426-08-6	n-butyl-2,3-epoxypropyl ether	!	1000	1%					
25013-16-5 LCL-110	butylhydroxyanisole / BHA water-soluble salts of peroxodisulfuric acid	1	1000 1000	1% 1%					
674-82-8 3268-49-3	4-methylideneoxetan-2-one 3-methylthiopropanal	- !	1000 1000	1% 1%					
110-91-8	morpholine	i	1000	1%					
78-42-2 1330-78-5	tris(2-ethylhexyl) phosphate tritolyl phosphate	1	1000 1000	1% 1%					
115-86-6	triphenyl phosphate	i i	1000	1%					
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride	1	1000	1%					
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine	1	1000	1%					
100-37-8 4162-45-2	2-(diethylamino)ethanol 2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol	I	1000	1%					
78-67-1 541-53-7	2,2'-azobisisobutyronitrile 2,4-Dithiobiuret	I	1000	1%	11,340	11,340	4,536	1.0%	
53-96-3	2-acetylaminofluorene				11,340	11,340	4,536	0.1%	
141-43-5 75-86-5	2-aminoethanol 2-methyllactonitrile / acetone cyanohydrin	I	1000	1% 1%	11,340	11,340	4,536	1.0%	
101-80-4	4,4'-Diaminodiphenyl ether	ı	1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
101-61-1 92-67-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine 4-aminobiphenyl				11,340	11,340	4,536	0.1%	
60-11-7 92-93-3	4-dimethylaminoazobenzene 4-nitrobiphenyl				11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
100-40-3	4-vinyl-1-cyclohexene	I	1000	1%					
60-35-5 134-32-7	Acetamide alpha-naphthylamine				11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
55-21-0	Benzamide				11,340	11,340	4,536	1.0% 0.1%	
91-59-8 111-44-4	beta-naphthylamine Bis(2-chloroethyl) ether				11,340 11,340	11,340 11,340	4,536 4,536	1.0%	
542-88-1 107-30-2	Bis(chloromethyl)ether Chloromethyl methyl ether				11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
115-10-6	Dimethylether				11,040	11,040	4,000	0.170	
123-86-4 LCL-111	Butyl acetate:n- Dihydronapthalene (all isomers)								
7379-12-6	Methyl-3-hexanone,2-								
27133-93-3 103-71-9	Methylindan (all isomers) Phenyl isocyanate								
420-56-4 135-20-6	Trimethylfluorosilane Cupferron				11,340	11,340	4,536	0.1%	
132-64-9	Dibenzofuran	<u> </u>			11,340	11,340	4,536	1.0%	
101-90-6 138-93-2	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene Disodium cyanodithioimidocarbonate		1000	1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 1.0%	
759-94-4	Ethyl dipropylthiocarbamate		1		11,340	11,340	4,536	1.0%	
112-02-7 124-09-4	hexadecyltrimethylammonium chloride hexamethylenediamine		1000 1000	1% 1%					
680-31-9	Hexamethylphosphoramide  Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting				11,340	11,340	4,536	0.1%	
74-93-1	requirements currently suspended)				RS	RS	RS	RS	
109-77-3 79-22-1	Malononitrile Methyl chlorocarbonate				11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
624-83-9	Methyl isocyanate		1		11,340	11,340	4,536	1.0%	
95-31-8 1643-20-5	N-(tert-butyl)-2-benzothiazolesulfenamide N,N-dimethyldodecylamine N-oxide		1000 1000	1% 1%					
924-42-5	N-Methylolacrylamide				11,340	11,340	4,536	1.0% 0.1%	
55-18-5 62-75-9	N-nitrosodiethylamine N-nitrosodimethylamine				11,340 11,340	11,340 11,340	4,536 4,536	0.1%	
924-16-3 621-64-7	N-nitrosodi-N-butylamine N-nitrosodi-N-propylamine				11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
59-89-2	N-nitrosomorpholine				11,340	11,340	4,536	0.1%	
759-73-9 684-93-5	N-nitroso-N-ethylurea N-nitroso-N-methylurea				11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
16543-55-8	N-nitrosonornicotine				11,340	11,340	4,536	0.1%	
100-75-4	N-nitrosopiperidine	I			11,340	11,340	4,536	0.1%	

## Long Chemical List

Pollutant		Thresholds	s, Japan: PF	RTR	Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
104-12-1	P-chlorophenyl isocyanate				11,340	11,340	4,536	1.0%	
110-85-0	Piperazine	I	1000	1%					
51-03-6	Piperonyl butoxide				11,340	11,340	4,536	1.0%	
1120-71-4	Propane sultone				11,340	11,340	4,536	0.1%	
78-48-8	S,S,S-tributyltrithiophosphate				11,340	11,340	4,536	1.0%	
81-07-2	Saccharin (Manufacturing, no supplier notification)				11,340	11,340	4,536	1.0%	
132-27-4	Sodium O-phenylphenoxide				11,340	11,340	4,536	0.1%	
11070-44-3	Tetrahydromethylphthalic anhydride	I	1000	1%					
62-55-5	Thioacetamide				11,340	11,340	4,536	0.1%	
79-19-6	Thiosemicarbazide				11,340	11,340	4,536	1.0%	
126-73-8	tri-n-butyl phosphate		1000	1%					
115-96-8	Tris(2-chloroethyl) phosphate	I	1000	1%		•	•		•
51-79-6	Urethane				11,340	11,340	4,536	0.1%	
105-60-2	ε-caprolactam	I	1000	1%					

Pollutant		# Facilities	keportii	ig Polluta	ant		Reporting	ocore			
CAS Number	Pollutant Name	Australia NPI		EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
Persistent Or	ganic Pollutants (POPs)										
309-00-2	Pesticides Aldrin			10		4					
57-74-9	Chlordane			0		15			0		••
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane			2		10			•		
60-57-1	Dieldrin			14					••		
72-20-8	Endrin			8					•		
76-44-8	Heptachlor			1		13			•		••
2385-85-5	Mirex			0					0		
8001-35-2	Toxaphene			3		12			•		••
319-84-6	alpha-hexachlorocyclohexane					0					0
319-85-7	beta-hexachlorocyclohexane										
58-89-9	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-			9		6			_		••
36-63-3	,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)			9		0			•		••
143-50-0	Chlordecone			0					0		
608-93-5	Pentachlorobenzene			11		18			••		••
	Industrial chemicals										
118-74-1	Hexachlorobenzene (HCB)	2	232	. 3		76	•	••	•		••
1336-36-3	Polychlorinated biphenyls (PCBs)	0		111	3,045	90	0		••	•••	••
26255 01 0	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated			3					_		
36355-01-8	Biphenyls (PBBs)			3					•		
	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl										
68631-49-2	ether and heptabromodiphenyl ether (commercial octabromodiphenyl										
	ether) 2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl										
207122-15-4	ether and heptabromodiphenyl ether (commercial octabromodiphenyl										
20/122-13-4	ether)										
	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as										
446255-22-7	Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial										
	octabromodiphenyl ether)										
	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as										
207122-16-5	Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial										
	octabromodiphenyl ether)										
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and										
	pentabromodiphenyl ether (commercial pentabromodiphenyl ether)										
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and										
	pentabromodiphenyl ether (commercial pentabromodiphenyl ether)  Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl										
LCL-1	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)				1					•	
	Polychlorinated dioxins and furans										
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))	867	243	246		1,087	••	••	••		•••
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term "dioxins". Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.				4,067					•••	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0	l				0			0
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0	ı				0			0
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0	1				0			0
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0	1				0			0
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0	·				0			0
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0	l				0			0
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					0			0
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					0			0
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					0			0
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0	· · · · · · · · · · · · · · · · · · ·				0			0
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0			_		0			0
		•									

Pollutant		# Facilities	Reportin	g Polluta	nt		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					0			0
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					0			0
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					0			0
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					0			0
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					0			0
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					0			0
Metals											
7440.36.0	Antimony and its compounds Antimony					00	-				
7440-36-0 LCL-4	Antimony Antimony Compounds					89 461					•••
LCL-5	Antimony and its compounds	337	72		659		••	••		•••	
7440.00.0	Arsenic and its compounds	ļ					1				
7440-38-2 LCL-6	Arsenic Arsenic Compounds					49 331					•••
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)  Boron and its compounds	1,143	298	936	3,121		••	•••	••	•••	
LCL-8	Boron & compounds / boron and its compounds / Jpn: Boron compounds	326			3,781		••			•••	
10294-34-5	Boron trichloride					8					••
7637-07-2	Boron trifluoride		0			22		0			••
7440-43-9	Cadmium and its compounds Cadmium					40					••
LCL-9	Cadmium Compounds					85					••
LCL-10	Cadmium and its compounds / Cadmium and compounds (as Cd)  Chromium and its compounds	1,080	377	577	3,116		••	•••	••	•••	
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical			624					••		
7440-47-3	forms) Chromium					1,980					•••
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal					1,330					•••
LCL-1Z	region) Chromium (and its compounds), excludes hexavalent chromium (and its					1,550					
LCL-13	compounds)		389					•••			
LCL-14	Chromium III compounds / chromium and chromium(III) compounds	1,194			4,029		••			•••	
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)  Cobalt and its compounds	654	193		3,556		••	••		•••	
7440-48-4	Cobalt					291					•••
LCL-16 LCL-17	Cobalt Compounds Cobalt and its compounds	470	97		396	408	••	••		••	•••
LCL-17	Copper and its compounds	470	31		330						
7440-50-8	Copper					2,246					•••
LCL-18	Copper Compounds  Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper					1,689					•••
LCL-19	salts (water-soluble, except complex salts))	1,223	464	1,108	3,475		•••	•••	••	•••	
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")				8					••	
	Lead and its compounds  Lead (USA: when lead is contained in stainless steel, brass or bronze alloys										
7439-92-1	the de minimis level is 0.1)				544	3,917				•••	•••
LCL-20	Lead Compounds				3,369	3,778				•••	•••
LCL-21 LCL-22	Lead and its compounds / Lead and compounds as (Pb) Lead and its compounds except tetraethyl lead	1,223	674	814			•••	•••	••		
78-00-2	Tetraethyl lead (USA: included as "lead compound")		7					••			
	Manganese and its compounds										
7439-96-5 LCL-23	Manganese Manganese Compounds					1,900 1,648					•••
LCL-24	Manganese and its compounds	663	523		4,198	1,040	••	•••		•••	
	Mercury and its compounds										
7439-97-6 LCL-25	Mercury Mercury Compounds					471 1,156					•••
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	1,223	300	900	3,044	.,	•••	•••	••	•••	
	Nickel and its compounds										
7440-02-0 LCL-27	Nickel Nickel Compounds				877 1,043	2,127 1,115	-			•••	•••
LCL-28	Nickel and its compounds / Nickel and compounds (as Ni)	1,191	327	1,512	,,,,,,,	., . 10	••	•••	•••		
12035-72-2	Nickel subsulfide (USA and Canada: included as "nickel compound")	11					•				
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")  Selenium and its compounds	8					•				
7782-49-2	Selenium					22					••
LCL-29	Selenium Compounds				2.001	117					••
LCL-30	Selenium and its compounds  Zinc and its compounds	288	42		3,061		••	••		•••	
7440-66-6	Zinc (fume or dust)	<u> </u>				240					•••
LCL-31	Zinc Compounds					2,919					•••
LCL-32	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds (water-soluble) (Jpn)	800	537	2,307	3,827		••	•••	•••	•••	
	,										

		# Facilities	Reportin	g Polluta	nt		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI		EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc				24					••	
12122-67-7	compound") / ziram  Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]					0					0
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb				1					•	
12071-03-3	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-				'						
64440-88-6	n,n-emylenebis(thiocarbamoty)(thiozinc) bis(n,n- dimethyldithiocarbamate) or polymer of N,N'- propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")				17					••	
	Beryllium and its compounds										
7440-41-7 LCL-33	Beryllium Beryllium Compounds					16 56					••
LCL-34	Beryllium and its compounds	1,061			6	00	••			••	
	Silver and its compounds										
7440-22-4 LCL-35	Silver Compounds					76 67					••
LCL-36	Silver and its compounds / Jpn: water-soluble compounds		39		259	01		••		••	
	Vanadium and its compounds										
7440-62-2	Vanadium (except when contained in an alloy)		107		400	38		••			••
LCL-37	Vanadium compounds Aluminum and compounds				108	508				••	•••
7429-90-5	Aluminum (fume or dust)		64			270		••			•••
1344-28-1	Aluminum oxide (fibrous forms)		33			58		••			••
20859-73-8	Aluminum phosphide				0	1				0	••
7440-39-3	Barium and its compounds Barium	1				75					••
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)	1				914					•••
LCL-JO						914					
LCL-39	Indium and its compounds Indium and its compounds	-			56					••	
LCL-39	Iron and its compounds				30					••	
7705-08-0	ferric chloride				950					•••	
13463-40-6	Iron pentacarbonyl		1			2		••			••
554-13-2	Lithium and its compounds Lithium carbonate		9			47					
554-15-2	Magnesium and its compounds		9			47		••			••
1309-48-4	Magnesium oxide fume	203					••				
	Molybdenum and its compounds										
LCL-40 1313-27-5	Molybdenum and its compounds		24		435	177				••	
1313-27-3	Molybdenum trioxide  Osmium and its compounds		24			1//		••			•••
20816-12-0	Osmium tetroxide					0					0
	Thallium and its compounds										
7440-28-0 LCL-41	Thallium Thallium Compounds					2 37					••
LCL-41	Titanium tetrachloride					- 31					
7550-45-0	Titanium tetrachloride		2			34		••			••
	Zirconium										
7699-43-6 Inorganic subs	zirconium dichloride oxide				11					••	
morganic sub	Asbestos										
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)		67	102	70	38		••	••	••	••
	Cyanides (as total CN)										
	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) /										
LCL-42	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	65	33	196	3,283	201	••	••	••	•••	•••
LCL-42 74-90-8	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide	65	33	196 71	3,283	201	••	••	••	•••	•••
74-90-8	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide  Fluorides (as total F)	65		71			••	••		•••	•••
74-90-8 LCL-43	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide  Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts						••	••	••	•••	•••
74-90-8 LCL-43 LCL-44	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide  Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds	1,026	6	71		89	••			•••	
74-90-8 LCL-43 LCL-44 7664-39-3	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide  Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride		6	71			••	••		•••	•••
74-90-8 LCL-43 LCL-44	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide  Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds		6	71		89	••			•••	
74-90-8 LCL-43 LCL-44 7664-39-3 7681-49-4 7789-75-5	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus	1,026	6 47 6	462		89		••	••	•••	
74-90-8 LCL-43 LCL-44 7664-39-3 7681-49-4 7789-75-5 LCL-45	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)		47 6 24	71		89	••	••		•••	
74-90-8 LCL-43 LCL-44 7664-39-3 7681-49-4 7789-75-5	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts Fluoride compounds  Hydrogen fluoride Sodium fluoride Calcium fluoride Phosphorus Phosphorus (total, excluding yellow or white phosphorus)	1,026	6 47 6	462		89		••	••	•••	
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-45 LCL-46	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total, excluding yellow or white phosphorus)  Phosphorus (yellow, white)  Nitrate	1,026	47 6 24	462		89		••	••	•••	•••
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-45 LCL-46	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total)  Phosphorus (tyellow, white)  Nitrate  Nitrate Compounds (water dissociable; reportable only when in aqueous	1,026	47 6 24	462		89		••	••	•••	•••
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-45  LCL-46 7723-14-0  LCL-47  LCL-47	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts Fluoride compounds  Hydrogen fluoride Sodium fluoride Calcium fluoride Phosphorus Phosphorus (total) Phosphorus (total, excluding yellow or white phosphorus) Phosphorus (yellow, white)  Nitrate Nitrate Compounds (water dissociable; reportable only when in aqueous solution) nitrate ion in solution at ph >= 6.0	1,026	47 6 24 448 13	462		89 858 39 1,840		••	••	•••	•••
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-45 LCL-46 7723-14-0  LCL-47	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide  Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total)  Phosphorus (vellow, white)  Nitrate  Nitrate Compounds (water dissociable; reportable only when in aqueous solution)  nitrate ion in solution at ph >= 6.0  Nitric Acid	1,026	47 6 24 448 13	462		858		••	••	•••	•••
74-90-8  LCL-43  LCL-44  7664-39-3  7681-49-4  7789-75-5  LCL-45  LCL-46  7723-14-0  LCL-47  LCL-48  7697-37-2	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total)  Phosphorus (yellow, white)  Nitrate  Nitrate Compounds (water dissociable; reportable only when in aqueous solution)  nitrate ion in solution at ph >= 6.0  Nitric Acid  Particulate matter	1,026	47 6 24 448 13 273 106	462		89 858 39 1,840	••	•••	••		•••
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-45  LCL-46 7723-14-0  LCL-47  LCL-47	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide  Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total)  Phosphorus (vellow, white)  Nitrate  Nitrate Compounds (water dissociable; reportable only when in aqueous solution)  nitrate ion in solution at ph >= 6.0  Nitric Acid	1,026	47 6 24 448 13	462		89 858 39 1,840	••	•••	••	•••	•••
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-45  LCL-46 7723-14-0  LCL-47  LCL-48 7697-37-2  LCL-49  LCL-50	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide  Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Calcium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total)  Phosphorus (total, excluding yellow or white phosphorus)  Nitrate  Nitrate Compounds (water dissociable; reportable only when in aqueous solution)  nitrate ion in solution at ph >= 6.0  Nitric Acid  Particulate matter  PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)  PM10 - Particulate matter	1,026 381 76	47 6 24 448 13 273 106 1,140 3,393	462		89 858 39 1,840	••	•••	••	•••	•••
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-46 7723-14-0  LCL-47  LCL-47  LCL-48 7697-37-2	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total)  Phosphorus (total, excluding yellow or white phosphorus)  Phosphorus (yellow, white)  Nitrate  Nitrate Compounds (water dissociable; reportable only when in aqueous solution)  nitrate ion in solution at ph >= 6.0  Nitric Acid  Particulate matter  PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)  PM10 - Particulate matter  PM2.5 - Particulate Matter <= 2.5 Microns	1,026 381	47 6 24 448 13 273 106	71 462 1,553		89 858 39 1,840	••	•••	••	•••	•••
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-45 LCL-46 7723-14-0  LCL-47  LCL-48 7697-37-2  LCL-49  LCL-50	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide  Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Calcium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total)  Phosphorus (total, excluding yellow or white phosphorus)  Nitrate  Nitrate Compounds (water dissociable; reportable only when in aqueous solution)  nitrate ion in solution at ph >= 6.0  Nitric Acid  Particulate matter  PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)  PM10 - Particulate matter	1,026 381 76	47 6 24 448 13 273 106 1,140 3,393	71 462 1,553		89 858 39 1,840	••	•••	••	•••	•••
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-45 LCL-46 7723-14-0  LCL-47  LCL-48 7697-37-2  LCL-49  LCL-50  LCL-51	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total)  Phosphorus (tyellow, white)  Nitrate  Nitrate Compounds (water dissociable; reportable only when in aqueous solution)  nitrate ion in solution at ph >= 6.0  Nitric Acid  Particulate matter  PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)  PM10 - Particulate matter  PM2.5 - Particulate Matter <= 2.5 Microns  Sulfate  Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)  Chloride (as Cl-)	1,026 381 76 1,932 1,885	47 6 24 448 13 273 106 1,140 3,393 3,861	71 462 1,553		89 858 39 1,840 1,539	00	•••	••	•••	•••
74-90-8  LCL-43  LCL-44 7664-39-3 7681-49-4 7789-75-5  LCL-45 LCL-46 7723-14-0  LCL-47 LCL-48 7697-37-2  LCL-49 LCL-50 LCL-51	Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)  Hydrogen cyanide Fluorides (as total F)  Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts  Fluoride compounds  Hydrogen fluoride  Sodium fluoride  Calcium fluoride  Phosphorus  Phosphorus (total)  Phosphorus (total)  Phosphorus (yellow, white)  Nitrate  Nitrate Compounds (water dissociable; reportable only when in aqueous solution)  nitrate ion in solution at ph >= 6.0  Nitric Acid  Particulate matter  PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)  PM10 - Particulate matter  PM2.5 - Particulate Matter <= 2.5 Microns  Sulfate  Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)	1,026 381 76 1,932 1,885	47 6 24 448 13 273 106 1,140 3,393 3,861	71 462 1,553		89 858 39 1,840 1,539	00	•••	••	•••	•••

Pollutant		# Facilities	Reportin	g Polluta	nt		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI		EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
7632-00-0	Sodium nitrite		27			362		••			•••
07758-01-2	Potassium bromate Potassium bromate		0			1		0			••
07736-01-2	Phosphoric acid					<u>'</u>		-			
7664-38-2	Phosphoric acid	57					••				
26628-22-8	Sodium azide Sodium azide				18	6				••	••
20020-22-0	Thorium dioxide				10						
1314-20-1	Thorium dioxide		0			1		0			••
LCL-53	Total Nitrogen Total nitrogen	384		1,530			••		•••		
LCL 33	Total Sulphur	004		1,000							
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and methyl mercaptan, expressed as hydrogen sulphide)		198					••			
Chlorinated a	nd brominated organic substances										
	Chlorinated ethanes and propanes										_
107-06-2	1,2-Dichloroethane	121	31	68	3,105	62	••	••	••	•••	••
75-00-3 79-00-5	Chloroethane 1,1,2-Trichloroethane	119 109	2		3,036	46 23		••		•••	••
71-55-6	1,1,1-trichloroethane			28	3,030	31			••	•••	••
79-34-5 630-20-6	1,1,2,2-Tetrachloroethane 1,1,1,2-Tetrachloroethane	0	0	5		17 10		0	•		••
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)		-			15					••
76-01-7	Pentachloroethane Hexachloroethane		0			13		0			••
67-72-1 78-87-5	1,2-Dichloropropane		<u>0</u>		30	20 15		••		••	••
96-18-4	1,2,3-Trichloropropane				3	5				••	••
75 01 1	Chlorinated ethenes and propenes	10-							-		
75-01-4 79-01-6	Vinyl chloride (Chloroethylene) Trichloroethylene	125 113	26	40 48	41 3,515	44 260	••	••	••	•••	•••
127-18-4	Tetrachloroethylene	116	31	62	3,274	253	••	••	••	•••	•••
75-35-4	Vinylidene chloride (1,1-dichloroethylene)		0		3,033	21 26		0		•••	••
107-05-1 563-47-3	Allyl chloride (3-chloropropene) 3-Chloro-2-methyl-1-propene		0		31 4	20		0		••	••
156-59-2	cis-1,2-dichloroethylene				3,025					•••	
540-59-0 542-75-6	1,2-Dichloroethylene 1,3-Dichloropropylene / D-D				3,039	20 16				•••	••
78-88-6	2,3-dichloropropene				3,039	5				•••	••
10061-02-6	trans-1,3-dichloropropene					5					••
75-09-2	Chlorinated methanes  Dichloromethane / methylene dichloride	134	39	189	4,335	302	••	••	••	•••	•••
67-66-3	Trichloromethane / Chloroform	123	13	123	269	83	••	••	••	••	••
56-23-5	Tetrachloromethane / Carbon tetrachloride		2	42	3,050	46		••	••	•••	••
74-87-3	Chloromethane / methyl chloride Chlorobenzenes		5		48	74		••		••	••
108-90-7	Chlorobenzene		48		82	62		••		••	••
95-50-1	o-Dichlorobenzene; 1,2-Dichlorobenzene		2			13		••			••
106-46-7 541-73-1	p-Dichlorobenzene; 1,4-Dichlorobenzene 1.3-Dichlorobenzene		13			13 5		••			••
25321-22-6	Dichlorobenzene (mixed isomers)				68	12				••	••
12002-48-1 120-82-1	Trichlorobenzenes 1,2,4-Trichlorobenzene		1	35	10	17		••	••	••	••
120-02-1	Brominated diphenylethers (PBDE)					- 17					
1163-19-5	Decabromodiphenyl ether		5		66	113		••		••	••
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  Short Chain Chlorinated Paraffins (SCCPs)			13					••		
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes,		1	15	3	21		••	••	••	••
LCL-56	C10-13, chloro Alkanes, C6-18, chloro (attention: short chain: only <c14!)< td=""><td></td><td>2</td><td></td><td></td><td></td><td></td><td>••</td><td></td><td></td><td></td></c14!)<>		2					••			
	Brominated VOC										_
75-25-2	Bromoform (Tribromomethane)					1					••
74-95-3 124-48-1	Methylene bromide dibromochloromethane				0	4				0	••
75-27-4	Dichlorobromomethane / bromodichloromethane				0	1				0	••
106-93-4 107-04-0	1,2-Dibromoethane 1-Bromo-2-chloroethane	3	0			10	•	0			••
107-04-0	1-bromopropane		U		241			U		••	
75-26-3	2-bromopropane				8	_		•	•	••	
593-60-2	Vinyl bromide  Chlorinated toluenes and phenols					0					0
95-57-8	o-chlorophenol				5					••	
106-48-9	p-chlorophenol				8				_	••	
95-73-8 87-86-5	2,4-dichlorotoluene Pentachlorophenol (PCP)			24	5 0				••	0	••
LCL-57	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)	103				7	••				••
120-83-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)		0		2	8		0			••
95-95-4	2,4,6-Trichlorophenol 2,4,5-Trichlorophenol				2	1				•	••
95-49-8	o-chlorotoluene				5					••	_
106-43-4 131-52-2	p-chlorotoluene Sodium pentachlorophenate				5	0				••	
98-87-3	Benzal chloride (Benzylidene dichloride)					3					••
98-88-4	Benzoyl chloride		1			14		••	_	•	••
100-44-7 611-19-8	Benzyl chloride 1-chloro-2-(chloromethyl)benzene		1		54 1	33		••		••	••
59-50-7	4-chloro-3-methylphenol Benzoic trichloride (Benzylidyne trichloride)				19					••	
			_		5	1				••	••

Pollutant		# Facilities	Reportin	g Polluta	ınt		Reporting	Score			
CAS Number	Pollutant Name  Chlorendic acid	Australia NPI		EU E-PRTR	Japan PRTR	US TRI	Australia NPI		EU E-PRTR	Japan PRTR	US TRI
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid)		0			0		0			0
	Chlorinated carboxylic acids & carboxylic acid esters										
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)		2		26			••		••	••
76-03-9	trichloroacetic acid				3					••	
76-02-8 598-78-7	Trichloroacetyl chloride 2-chloropropionic acid				1	1				•	••
105-39-5	ethyl chloroacetate				4					••	
100 00 1	Bis(2-chloro-1-methylethyl) ether										
108-60-1	Bis(2-chloro-1-methylethyl) ether Bis(2-chloroethoxy)methane					2					••
111-91-1	Bis(2-chloroethoxy)methane					1					••
	Chloroanilines										
95-51-2 106-47-8	o-chloroaniline					3					
LCL-58	p-chloroaniline chloroaniline				14					••	••
LCL-59	dichloroaniline				3					••	
95-69-2	p-chloro-o-toluidine					0					0
126-99-8	Chloroprene Chloroprene					13					••
	Chlorinated butenes					13					
110-57-6	Trans-1,4-dichloro-2-butene					2					••
764-41-0	1,4-dichloro-2-butene					6					••
1335-87-1	Chloronaphthalenes Hexachloronaphthalene					0					0
2234-13-1	Octachloronaphthalene					1					••
	3-Chloropropionitrile										
542-76-7	3-Chloropropionitrile		0			0		0			0
79-44-7	Dimethylcarbamyl chloride Dimethylcarbamyl chloride					1					••
79-44-7	Dimethyl chlorothiophosphate										••
2524-03-0	Dimethyl chlorothiophosphate					0					0
	2,2-dibromo-2-cyanoacetamide										
10222-01-2	2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)				41	0				••	0
LCL-60	Halogenated organic compounds Halogenated organic compounds (as AOX)			373					••		
202 00	Hexachlorobutadiene (HCBD)			0.0							
87-68-3	Hexachlorobutadiene (HCBD)			11		8			••		••
77-47-4	Hexachlorocyclopentadiene Hexachlorocyclopentadiene		0			8		0			••
,, ,, ,	Perchloromethyl mercaptan										
594-42-3	Perchloromethyl mercaptan					0					0
	2,2-bis(Bromomethyl)-1,3-propanediol										
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)  Polybrominated biphenyls (PBBs)					0					0
LCL-61	Polybrominated biphenyls					1					••
	Tetrabromobisphenol A (TBBPA)										
79-94-7	Tetrabromobisphenol A (TBBPA)					43					••
126 72 7	Tris(2,3-dibromoproyl)phosphate  Tris(2,3-dibromoproyl)phosphate					1					
126-72-7	Vinyl Fluoride										••
75-02-5	Vinyl Fluoride (added to TRI for RY2011)					0					0
	Tetrafluoroethylene										
116-14-3	Tetrafluoroethylene (USA: added to TRI for RY2011) ing substances					0					0
Ozone depiet	Hydrochlorofluorocarbons (HCFCs)										
LCL-62	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265,			621					••		
75-43-4	16.10.2003, p. 1)) HCFC-21, Dichlorofluoromethane				1	1				•	••
75-45-6	HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane		18		115			••		••	••
354-14-3 354-11-0	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane					1 2					••
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)		0					0			
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)		1		0	1		••		0	••
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)				13	18				••	••
	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI					3					••
354-23-4						3					
	with CAS 34077-87-7) HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI										0
812-04-4	with CAS 34077-87-7) HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)					0					0
	with CAS 34077-87-7) HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7) Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)										0

Pollutant		# Facilities	Reportin	ng Polluta	int		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0		2			0		••			0
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)					5					••
2837-89-0 1649-08-7	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3) 1,2-Dichloro-1,1-Difluoroethane, HCFC 132b				3	19				••	••
75-88-7	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)					5					••
1717-00-6	HCFC-141b / 1,1-dichloro-1-fluoroethane		3		70	10		••		••	••
75-68-3	HCFC-142b / 1-chloro-1,1-difluoroethane		3		5			••		••	••
127564-92-5	Dichloropentafluoropropane				114					••	••
128903-21-9 422-44-6	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa) 1,2-Dichloro-1,1,2,3,3-Pentafluoropropane					0					0
422-44-0	2,3-Dichloro-1,1,2,3-Pentafluoropropane					1					••
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane					5					••
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane					0					0
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane					2					••
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane					0					0
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane					0					0
460-35-5 431-07-2	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane Chlorotrifluoroethane (HCFC-133)				1	0				•	0
-31-07-Z	Chlorofluorocarbon (CFCs)									_	
LCL-63	Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No			288					••		
75-69-4	2037/2000) CFC-11, Trichlorofluoromethane		3		18	18		••		••	••
75-71-8	CFC-12, Dichlorodifluoromethane		5		22			••		••	••
	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro										
76-13-1	1,2,2,-trifluoro-]				2					•	••
76-14-2	CFC-114, Dichlorotetrafluoroethane		1		0			••		0	••
76-15-3	CFC-115, Monochloropentafluoroethane		0		1	5		0		•	••
75-72-9 LCL-64	CFC-13, Chlorotrifluoromethane CFC-112, Tetrachlorodifluoroethane		0		0 1	4		0		•	••
LCL-64	Halons				<u>'</u>						
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)			11					••		
353-59-3	Halon 1211, Bromochlorodifluoromethane		0		<u>0</u>			0		0	••
75-63-8 124-73-2	Halon 1301, Bromotrifluoromethane Dibromotetrafluoroethane (Halon 2402)		0		4			0		••	0
74-83-9	Bromomethane (Methyl bromide)		1		40			••		••	••
Greenhouse g											
	Carbon dioxide (CO2)										
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /			2,924					•••		
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.										
	Methane (CH4)										
74-82-8	Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /			1,634					•••		

Pollutant		# Facilities Reporting Pollutant	Reporting Score
CAS Number	Pollutant Name	Australia Canada EU Japan US TRI NPI NPRI E-PRTR PRTR	Australia Canada EU Japan US NPI NPRI E-PRTR PRTR TRI
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.		
10024-97-2	Nitrous oxide (N2O)  Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	638	••
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.		
	Hydrofluorocarbons (HFCs)		
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	247	••
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.		
	Perfluorocarbons (PFCs)  Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of		
LCL-67	CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	47	••

Politicate Name	Pollutant		# Facilities	Reportin	g Pollutan	it		Reporting	Score			
large amount of perembone packs (BMG) to account and report the enlishons to the government analysis. The perembone packs on the rich on in remainant placificies the reported data based on the rich on in remainant placificies the reported data based on the rich on in remainant placificies the reported data based on the rich on in remainant placificies the report of the UNICCC secretary under the	CAS Number	Pollutant Name					US TRI				Japan PRTR	
Countermeasure since 2006. In addition, the government develops national genetiones are investing and reports to genetic the service before. J. USC Me household and a service of the service before. J. USC Me household and service and		large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the										
UNECT. exercitate under the UNECC. and the Ryston Frinchand J. LUSA. The U.S. LUNK TE Program does not collect strates or enter vaciation management quantities of Girck. However, the U.S. Tak's Office of Air and reporting of GIRC dat and other releant information will be made available to the public.  Sulphur hexaflororide (SFG)  Sul		Countermeasures since 2006. In addition, the government develops										
Radiation (DAR) executely implemented explaintors which requess reporting of ORG data and other relevant information from large sources and suppliers in the United States. These data and information will be made evaluable to the published amough the state of the st		U.S. EPA's TRI Program does not collect release or other waste										
Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Sulphur hocaliturates (SFS)  Jon. Japon has the program to hereine (SFS)  Jon. Japon has the program to mandate entities that emit considerably large amount of perentiturates (SFS)  Jon. Japon has the program to hereine (SFS)  Jon. Japon has the program to hereine (SFS)  Jon. Japon has the program to hereine (SFS)  Jon. Japon has the program to hereine (SFS)  Jon. Japon has the program to hereine (SFS)  Jon. Japon has the program to mandate entities that emit considerably large amount of perentiture and to review to internate and expert there emissions to the government annually. The government publicities the reported data based on the Holf of Normonia (SFS)  UNECCE carecterain under the UNECCE and the Kypto Honoton (Julia)  UNECCE carecterain under the UNECCE and the Kypto Honoton (Julia)  UNECCE carecterain under the UNECCE and the Kypto Honoton (Julia)  International (SFS)  Ammonia  Amm		Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources										
sulphur hexifluoride (EFS) / Aus. The Australian National Greenhouse Ga Accounts are published annually by the Australian Government. The content of the Australian Government. The content of the Australian Government. The content of the Australian Government. The content of the Australian Government. The content of the Australian Government. The content of the Australian Government of Content of the Australian Government of Content of the Australian Government of Content of the Australian Government of Content o		made available to the public.										
Accounts are published annually by the Australian Government. The national inventory forms the Toundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these cert the, the inventory probles information fundamental at the development of demission religions profices and inventorial commitment. J. Committee in the program of the March (Grand's Perent) are reported to Canada's Greenhouse Cas chissions Reporting Program (Grand's Perent). Committee in the Case of the Ca												
and changes in these over time, the inventory provides information than the company of the content in the property of the content integration policies and programmes, while also tracking Australia's progress towards meeting international commitment, Claric Gerebouse se envisions are reported to Canada's Directinique Questions. Reporting Program (RIGHS, a conspinentially program to the More Content of Canada's Directinique gene (RIGH) is experiment. Claric Gerebouse gene envisions are reported to Canada's Directinique gene (RIGH) is experiment publicities the area content of gene more gene (RIGH) is experiment their gene and the program to mandate entities that event considerably inge anomator of gene more gene (RIGH) is experiment their emissions to the government annually. The government develops national genetionuse gas (RIGH) is experiment develops national genetionuse gas reverve year to the UNIT CCC secretariat under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT CCC secretaria under the UNIT		Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address										
programmes, while also tracking Australia's progress towards meeting international commitments. / Cuff. Greenhouse gas emissions are reported to Canada's Greenhouse (as Emissions Reporting Program of the Ministry Program to the New York (Greenhouse gase) (Greenhou	2551-62-4	and changes in these over time, the inventory provides information			36					••		
reported to Canada's Greenhouse (as Emissions Reporting Program (GR66PP) a complementary program to the NPRI, Canada's SPRTR. /  Jinn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gase (GR63) to account and report their emissions to the government annually. The government publics the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the Kyoto Protocol. / USA: The U.S. EPAY TIP Program does not collect release or other waste management quantities of GR6. Newey, the Kyoto Protocol. / USA: The U.S. EPAY TIP Program does not collect release or other waste management quantities of GR6. Newey, the Kyoto Protocol. / USA: The U.S. EPAY TIP Program does not collect release or other waste management quantities of GR6. Newey, the Kyoto Protocol. / USA: The U.S. EPAY TIP Program does not collect release or other waste management quantities of GR6. Newey, the Kyoto Protocol. / USA: The U.S. EPAY TIP Program does not collect release or other waste management quantities of GR6. Newey, the Kyoto Protocol. / USA: The U.S. EPAY TIP Program does not collect release or other waste management quantities of GR6. Newey, the Kyoto Protocol of CR64. Newey, the Kyoto Protocol of CR64. Newey, the Workshop of CR64. Newey, the Workshop of CR64. Newey the		programmes, while also tracking Australia's progress towards meeting										
Ligra amount of greenhouse gases (GHGs) to account and report their ensistons to the powerment annually. The powerment provides the reported data based on the Act on Promotion of Global Warming Counterneasures included the Power of Counterneasures in Counter the UNICC Cacectratis under the Vegot Protocol. USA: The U.S. EPA's Till Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (DAI) recently implemented regulations which requires reporting of GHG data and other relevant information from the sources and suppliers in the United States. These data and information will be made available to the public.    Ammonia		reported to Canada's Greenhouse Gas Emissions Reporting Program										
Countermessures since 2006. In addition, the government develops		large amount of greenhouse gases (GHGs) to account and report their										
UNIFCCE ceretariat under the UNFCCC and the kyoto Protocol. / USA: The US. EPA's TRIP rogram does not collect release or other water management quantities of GRGs. However, the US. EPA's Office of An and Radiation (DAR) recordly implemented regulations which requires reporting of GRG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.    Other gases		Countermeasures since 2006. In addition, the government develops										
### Adaption (DAR recently implemented regulations with requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.    Cher gases		$\operatorname{UNFCCC}$ secretariat under the $\operatorname{UNFCCC}$ and the Kyoto Protocol. / USA: The										
Preparating of GRG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.    Ammonia   Ammonia (MR3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing (USA)   1.109   562		management quantities of GHGs. However, the U.S. EPA's Office of Air and										
Manual   M		reporting of GHG data and other relevant information from large sources										
Ammonia   Ammonia   Ammonia   Ammonia (Includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing; 105A)   1,109   562   •••   Choirine and inorganic compounds (as HCI)   157   791   ••   Chlorine and inorganic compounds (as HCI)   157   791   ••   Chlorine & Compounds / Chlorine and inorganic compounds (as HCI)   355   449   ••   Chlorine & Compounds / Chlorine and inorganic compounds (as HCI)   355   449   ••   Chlorine & Compounds / Chlorine and inorganic compounds (as HCI)   157   791   ••   Chlorine & Compounds / Chlorine and inorganic compounds (as HCI)   157   791   ••   Chlorine & Compounds / Chlorine and inorganic compounds (as HCI)   157   1214   ••   Chlorine & Chlori												
Ammonia (NH3) (E-PRTR) / Ammonia (Includes anhydrous ammonia and aqueous ammonia from water dissociable ammonia mals and other sources, 10 percent of total aqueous ammonia is reportable under this listing (USA)  (CLC-68 Ammonia (Total)	Other gases	America										
Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; (USA)   Sources; 10 percent of total aqueous ammonia is reportable under this listing; 10 percent of total aqueous ammonia is reportable under this listing; 10 percent of total under this listing; 10 percent of the percent of total under this listing; 10 percent of total under this listing; 10 percent of total under this listing; 10 percent of total under this listing; 10 percent of the percent of total under this listing; 10 percent of the		Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and										
Chlorine and inorganic compounds (as HCl)   157   791   157   15	7664-41-7	sources; 10 percent of total aqueous ammonia is reportable under this			5,798		2,315			•••		•••
CLC-99   Chlorine & compounds / Chlorine and inorganic compounds (as HCI)   355	LCL-68		1,109	562				••	•••			
Total		Chlorine		157			791		••			•••
Sthylene oxide		Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists,		299	449		1 214	••	•••	••		•••
Bromine							-,					
T726-95-6   Bromine	75-21-8		4	10	10	201	116	•	••	••	••	••
1	7726-95-6	Bromine		4		51	32		••		••	••
Carbon monoxide   2,038   2,808   560	10049-04-4	Chlorine dioxide	1	29			113	•	••			••
7782-41-4         Fluorine         6         18         ●           LCL-70         Fluorine and inorganic compounds (as HF)         284         ●           Hydrogen sulfide           7783-06-4         Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)         172         204         0         ●	630-08-0		2,038	2,808	560			•••	•••	••		
LCL-70       Fluorine and inorganic compounds (as HF)       284       ●●●         Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)       172       204       0       ●●●         Nitrogen oxides         11104-93-1       Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)       1,956       3,637       2,717       ●●●       ●●●●         Sulphur oxides (SOx/SO2)												

Pollutant		# Facilities	Reportin	g Polluta	int		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI		EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	
10028-15-6	Ozone					43					••
10028-13-0	Sulfuryl fluoride					40					
2699-79-8	Sulfuryl fluoride					9					••
	Phosphine										
7803-51-2	Phosphine  matic budgesarbons (PAHs)					4					••
Polycyclic arol	matic hydrocarbons (PAHs)  Polycyclic aromatic hydrocarbons (PAHs)										
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peg)	1,928					•••				
	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8),										
LCL-74	benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9),			196					••		
	indeno(1,2,3-cd)pyrene (193-39-5) Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs										
LCL-75	reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the		30			1,866		••			•••
56-55-3	NPRI substance list.  Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds		63			0		••			0
205-99-2	(PACs) category) Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic		54			0		••			0
205-82-3	compounds (PACs) category) Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic		31			0		••			0
207-08-9	compounds (PACs) category) Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic		45			0		••			
206-44-0	compounds (PACs) category) Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the		89	67		0		••	••		0
189-55-9	Polycyclic aromatic compounds (PACs) category) Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds		19	07		0		••			0
218-01-9	(PACs) category) Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic		50			0		••			0
50-32-8	compounds (PACs) category) Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds		58			0		••			0
226-36-8	(PACs) category) Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds		8			0		••			0
224-42-0	(PACs) category) Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds		20			0		••			0
53-70-3	(PACs) category) Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic		41			0		••			0
194-59-2	compounds (PACs) category) 7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)		17			0		••			0
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)		3			0		••			0
192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		7			0		••			0
189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		6			0		••			0
191-30-0	Dibenzo(a,I)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		4			0		••			0
57-97-6	7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)		8			0		••			0
193-39-5	Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		47			0		••			0
56-49-5	3-Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		7			0		••			0
3697-24-3	5-Methylchrysene (USA: included in the Polycyclic aromatic compounds (PACs) category)		6			0		••			0
5522-43-0	1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		4			0		••			0
42397-64-8	1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS, category)					0					0
42397-65-9	1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)  (P. Nitrochysene (added to TRI for PY2011 included in the Polycyclic					0					0
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACS) category)  A Nitropyres (added to TRI for PX0111, included in the Delycyclic					0					0
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)					0					0
8001-58-9 120-12-7	Creosote Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals		9 27	62	25	70 72		••	••	••	••
191-24-2	intentionally used and therefore listed individually) Benzo(g,h,i)perylene		49	29		1,349					
	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals		85	139	271			••	••		•••
91-20-3	intentionally used and therefore listed individually) methylnaphthalene (Jpn: PAHs in the PRTR system are limited to		85	139				••	••	••	•••
LCL-76	chemicals intentionally used and therefore listed individually) acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals		F0		1,168					•••	
83-32-9 85-01-8	intentionally used and therefore listed individually) Phenanthrene		52 105		22	96		••		••	••
192-97-2	Benzo(e)pyrene		44					••			
198-55-0	Perylene		27					••			
129-00-0 208-96-8	Pyrene Acenaphthylene - PAH		89 61					••			
86-73-7	Fluorene - PAH		81					••			
Other organic											
75.05.0	Acetonitrile	440	40		000	404					
75-05-8	Acrolein Acrolein	110	12		288	124	••	••		••	••
107-02-8	Acrolein	10	12		9	106	•	••		••	••
	Acrylamid		-								

Pollutant		# Facilities	Reportir	ng Pollutant		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU Japar E-PRTR PRTR	USIKI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
79-06-1	Acrylamid	8	4	10	8 75	•	••		••	••
79-10-7	Acrylic and methacrylic acid  Acrylic acid / acrylic acid and its water-soluble salts (Jpn)	11	8	22	7 184		••		••	•••
79-41-4	methacrylic acid	- 11	0	20		•			••	•••
	Acrylic and methacrylic acid esters									
818-61-1	2-hydroxyethyl acrylate			7	1				••	
13048-33-4	hexamethylene diacrylate			3	9				••	
80-62-6	Methyl methacrylate	15	22				••		••	•••
96-33-3	Methyl acrylate		4		6 59		••		••	••
140-88-5 97-88-1	Ethyl acrylate		7	12 10			••		••	••
105-16-8	n-butyl methacrylate 2-(diethylamino)ethyl methacrylate			10	3				••	
106-91-2	2,3-epoxypropyl methacrylate			8	9				••	
688-84-6	2-ethylhexyl methacrylate			5	7				••	
2867-47-2	2-(dimethylamino)ethyl methacrylate				6				••	
141-32-2	Butyl acrylate		11	17			••		••	••
2439-35-2	2-(dimethylamino)ethyl acrylate				9				••	
107 12 1	Acrylonitrile and methacrylonitrile	116	7	15	3 99					
107-13-1 126-98-7	Acrylonitrile  Methacrylonitrile	110		10	3 98 4		••		••	••
120-36-7	Aldehydes									
75-07-0	Acetaldehyde	135	59	6	2 388	••	••		••	•••
78-84-2	Isobutyraldehyde		0		2 17		0		••	••
90-02-8	Salicylaldehyde			1	2				••	
100-52-7	Benzaldehyde				6	ļ <u> </u>	·	·	••	
111-30-8	Glutaraldehyde	6			:1	•			••	
123-38-6 123-63-7	Propionaldehyde Paraldehyde		1 0		33		0			••
123-03-7	Butyraldehyde		2		24		••			
4170-30-3	Crotonaldehyde / 2-butenal		0		3 7	1	0		••	•••
	Anilines									
62-53-3	Aniline	1	21	8	5 47	•	••		••	••
LCL-77	toluidine			3	4				••	
95-53-4	o-toluidine o-toluidine				17	'				••
636-21-5	o-toluidine hydrochloride				1					••
95-68-1 87-62-7	2,4-dimethylaniline 2,6-dimethylaniline / 2,6-Xylidine				0 3 3				••	••
121-69-7	N,N-Dimethylaniline (and its salts)		0		3 12		0		••	•••
101-77-9	4,4'-methylenedianiline		0		6 20		0		••	••
120-71-8	p-cresidine (2-methoxy-5-methylaniline)				2 1				•	••
134-29-2	O-Anisidine hydrochloride				C					0
123-30-8	p-aminophenol				3				••	
591-27-5 25376-45-8	m-aminophenol Diaminotoluene (mixed isomers) / toluenediamine (Jpn)				8 4 13				••	
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)		0		7	1	0		••	••
139-65-1	4,4'-Thiodianiline				C	1				0
90-04-0	o-anisidine				4 1				••	••
104-94-9	p-anisidine				0					0
615-05-4 39156-41-7	2,4-diaminoanisole 2,4-diaminoanisole sulfate				0 0				0	0
39130-41-7	Biphenyl					!				0
92-52-4	Biphenyl (1,1-biphenyl)	19	23	9	6 106	••	••		••	••
32 32 <del>4</del>	C3-Benzenes	10			0 100					
95-63-6	1,2,4-Trimethylbenzene		314	18,43	8 1,293	1	•••		•••	•••
108-67-8	1,3,5-trimethylbenzene			12,58					•••	
25551-13-7	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)		90				••			
98-82-8	Cumene (1-methylethylbenzene)	840	30	11	3 320	••	••		••	•••
	Hydrocarbons (liquids)		100	10.00	1 1001					
110-54-3 110-82-7	n-Hexane Cyclohexane	571 436	468 160		4 1,261 579	••	•••		•••	•••
LCL-78	Pentane (all isomers)	430	359		378	••	•••			•••
LCL-79	Pentene (all isomers)		105				••			
LCL-80	Hexane (all isomers excluding n-hexane)		236				••			
25264-93-1	Hexene (all isomers)		69		-		••	-		
LCL-81	Heptane (all isomers)		283			1	•••			
LCL-82 LCL-83	Octane (all isomers)		185				••			
LCL-83 LCL-84	Nonane (all isomers)  Decane (all isomers)		77 48				••			
LCL-84 LCL-85	Dodecane (all isomers)		13				-:-			
8052-41-3	Stoddard solvent		103				••			
64475-85-0	Mineral spirits		32				••			
64741-65-7	Heavy alkylate naphtha		20		·		••	·		
54742-47-8	Hydrotreated light distillate		92			1	••			
64742-48-9 64742-88-7	Hydrotreated heavy naphtha Solvent naphtha medium aliphatic		69 59			1	••			
54742-88-7 54742-89-8	Solvent naphtha light aliphatic		66			1	••			
54742-94-5	Heavy aromatic solvent naphtha		83				•••			
54742-95-6	Light aromatic solvent naphtha		124				••			
3030-30-6	Naphtha		20				••			
8032-32-4	VM & P naphtha		53		-		••	-		
3042-47-5	White mineral oil		34				••			
CL-86	Cycloheptane (all isomers)		86			1	••			
LCL-87 LCL-88	Cyclohexene (all isomers)  Cyclooctane (all isomers)		33 18			1	••			
.02 00	BTEX		10							
	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for					<del>                                     </del>				
						1				
71-43-2	BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is	687	352	395 18,95	9 941	••	•••	••	•••	•••

First	Pollutant		# Facilities	Reportin	g Polluta	int		Reporting	Score			
100.883	CAS Number	Pollutant Name					US TRI				•	US TRI
1986-863   1972 (Pine sum   1972   173 2 / 1991   2,774   1991   1972   1973	100-41-4	threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	721	251	91	17,660	1,318	••	••	••	•••	•••
1,004   687   108   22.207   2,12   108   108   108   22.207   2,12   108	108-88-3	BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	923	702	113	21,091	2,274	••	•••	••	•••	•••
1986-873   poyene	1330-20-7	reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1,064	687	106	22,297	•	••	•••	••	•••	•••
198-956   1,3 butderfore		•										••
156   156   157	108-38-3											••
Page   Page	106-99-0	1,3-Butadiene	158	59		52	194	••	••		••	•••
Discoyanates	75-15-0		130	42		37	138	••	••		••	••
1.1. Methylmenskyl, anonyanstroy (sharmond) (USA: specified as 1)   46												
Discognanted   Interligence   Discognanted   Disc	101-68-8		7			500		•	••		••	0
	5124-30-1	Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)										0
16988-22						02						
19489-222   Discopporates												0
20.000   20.0000   20.0000   20.0000   20.0000   20.000   20.0000   20.0000   20.0000   20.0000   20.0000   2	16938-22-0	Diisocyanates)										0
38661-72.2   1.3-86/methylsocyanate cyclohezane (USA: specified as Discoyanates)   0   0   0   0   0   0   0   0   0		Diisocyanates)		0		64			0			0
2556-16   1,4-Cyclohexane dilocyanate (USA: specified as Dilocyanates)   0   134   595   73   Dietritylidiocyanate (USA: specified as Dilocyanates)   0   0   0   0   0   0   0   0   0	38661-72-2					04						0
134199.377   Diethydisiosoynatotelpeneere (USA: specified as Discoynates)	10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)					0					0
1287-38	2556-36-7						0					0
197999-873   2,4**Oiscoyanates   0   0   0   0   0   0   0   0   0												0
33.5												0
19-97-4   Discoçanates    0   0   19-97-1	91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as										0
Discocyanates	91-97-4	Diisocyanates)				6	0				••	0
173-792-84   Disocyanate   USA: specified as Disocyanates	139-25-3	Diisocyanates)					0					0
### 13/3-7-5	75790-84-0	Diisocyanates)										0
104-49-4		naphthalenediyl diisocyanate (Jpn)				3					••	0
Toluenediisocyanates   USA: 20 specified Diisocyanates, see compounds above    1,130												0
Toluenediisocyanates   16 6 4 46   16 6   17   18   18   18   18   18   18   18												•••
184849   Toluene-2,4-disocyanate   16	LCL-03						1,130					
91-08-7 Toluenee 2,6-diisocyanate	591-91-Q		16	6			46					••
10-80-5   2-Ethoxyethanol / ethylene glycol monoethyl ether   1	91-08-7		10									••
110-80-5   2-Ethoxyethanol / ethylene glycol monoethyl ether   1   6   199   24	26471-62-5			15		177	135		••		••	••
Methoxyethanol / ethylene glycol monomethyl ether	110-20-5		1	6		100	24	_				••
109-86-4   Methoxyethanol / ethylene glycol monomethyl ether	110-80-3			0		199	24	•	•••		•••	•••
Source   S	109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	1	4		138	21	•	••		••	••
CLC-90   certain glycol ethers   1,478   • 1	50.00.0	•	077	540		705	054					
CLC-90	50-00-0	·	3//	316		705	004	••	•••		•••	•••
### 112-25-4 Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)  ### 5131-66-8 Propylene glycol butyl ether (USA: incl. in certain glycol ethers)  ### 2-Methykoyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain glycol ethers)  ### 110-49-6		certain glycol ethers					1,478					•••
110-49-6   Propylene glycol butyl ether (USA: incl. in certain glycol ethers)   21	112-34-5											
2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain glycol ethers)  111-76-2  2-Butoxyethanol (USA: incl. in certain glycol ethers)  112-9  2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)  113-15-9  114-15-9  2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)  118-65-6  Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)  112-07-2  Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)  112-15-2  Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)  113  4,4'-methylenebis[2-chloroaniline]  101-14-4  4,4'-Methylene-bis[2-chloroaniline]  Organotin compounds (as total Sn)  UCL-91  Organotin compounds (as total Sn)  UCL-92  Tributyltin and compounds  5-35-9  Bis(tributyltin) oxide  0  10  10  10  10  10  10  10  10  10												
glycol ethers)  111-76-2 2-Butoxyethanol (USA: incl. in certain glycol ethers)  111-76-2 2-Butoxyethanol (USA: incl. in certain glycol ethers)  111-76-3 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)  112-15-9 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)  112-07-2 Ethylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)  112-07-2 Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)  112-15-2 Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)  13 ••  4,4'-methylenebis[2-chloroaniline]  101-14-4 4,4'-Methylene-bis[2-chloroaniline] (MOCA) / 3,3'-dichloro-4,4'- diaminodiphenylmethane (Jpn)  Organotin compounds (as total Sn)  LCL-91 Organotin compounds (as total Sn) / organic tin compounds (Jpn)  8 4 165 • • • • • • • • • • • • • • • • • • •		2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain	0			22		0				
2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)  108-65-6 Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)  112-07-2 Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)  112-15-2 Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)  13 ••  4,4'-methylenebis[2-chloroaniline]  101-14-4 4,4'-Methylene-bis[2-chloroaniline] (MOCA) / 3,3'-dichloro-4,4'- diaminodiphenylmethane [Jpn)  Organotin compounds (as total Sn)  LCL-91 Organotin compounds (as total Sn) / organic tin compounds (Jpn)  B 4 165 • • • • • • • • • • • • • • • • • • •		0, ,	0			22					-•	
108-65-6 Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)  112-07-2 Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)  112-15-2 Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)  13  4,4'-methylenebis[2-chloroaniline]  101-14-4 4,4'-Methylene-bis[2-chloroaniline] (MOCA) / 3,3'-dichloro-4,4'- diaminodiphenylmethane (Jpn)  Organotin compounds (as total Sn)  LCL-91 Organotin compounds (as total Sn) / organic tin compounds (Jpn)  8 4 165  Oganotin compounds  6 •  •  166-16-16-16-16-16-16-16-16-16-16-16-16-	111-76-2	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain	1			138		•			••	
### Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)  ### 4,4'-methylene-bis[2-chloroaniline]  ### 4,4'-Methylene-bis[2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'- diaminodiphenylmethane (Ipn)  ### Organotin compounds (as total Sn)  ### UCL-91  ### Organotin compounds (as total Sn) / organic tin compounds (Ipn)  ### ### ### 165  ### 1	108-65-6			83					••			
4,4'-methylenebis[2-chloroaniline]	112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)		25					••			
101-14-4	112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)		13					••			
Claratic Compounds (as total Sn)	101 14 4		•	,			00	_				_
LCL-91 Organotin compounds (as total Sn) / organic tin compounds (Jpn) 8 4 165 • • • • • • • LCL-92 Tributyltin and compounds 6 • • • • • • • • • • • • • • • • • •	101-14-4	diaminodiphenylmethane (Jpn)	0	1		63	20	0	••		••	••
LCL-92       Tributyltin and compounds       6         56-35-9       Bis(tributyltin) oxide       0         1983-10-4       Tributyltin fluoride       0         2155-70-6       Tributyltin methacrylate       1       €         LCL-93       Triphenyltin and compounds       5       ●         639-58-7       Triphenyltin chloride       0	LCL-91	· · · · · · · · · · · · · · · · · · ·	8		4	165		•		•	••	
1983-10-4         Tributyltin fluoride         0           2155-70-6         Tributyltin methacrylate         1         ■           LCL-93         Triphenyltin and compounds         5         ■           639-58-7         Triphenyltin chloride         0	LCL-92	Tributyltin and compounds										
2155-70-6       Tributyltin methacrylate       1       ●         LCL-93       Triphenyltin and compounds       5       ●         639-58-7       Triphenyltin chloride       0												0
LCL-93         Triphenyltin and compounds         5         ●           639-58-7         Triphenyltin chloride         0	2155-70-6											••
	LCL-93	Triphenyltin and compounds			5					•		
	639-58-7 13356-08-6	Triphenyltin chloride hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide				1					•	0

Pollutant		# Facilities	Reportin	g Polluta	nt		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI		EU E-PRTR	Japan PRTR	US TRI
76-87-9	Triphenyltin hydroxide					4					••
	Phenols Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted										
LCL-94	phenols)			411					••		
108-95-2	Phenol	165	72		602	578	••	••		•••	•••
1319-77-3 95-48-7	Cresol / USA: Cresol (mixed isomers) o-cresol		22		141	163 23		••		••	•••
106-44-5	p-cresol					19					••
108-39-4	m-cresol					17					••
1300-71-6	Dimethyl phenol		0		12			0			
576-26-1 105-67-9	2,6-xylenol (2,6-Dimethylphenol) 2,4-Dimethylphenol / 2,4-xylenol				11	30				••	••
128-37-0	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol		1		165			••		••	
96-76-4	2,4-di-tert-butylphenol				9					••	
89-72-5 98-54-4	o-sec-butylphenol 4-tert-butylphenol				1 51					•	
88-60-8	2-tert-butyl-5-methylphenol				1					<del></del>	
90-43-7	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA)		0		6	10		0		••	••
108-98-5	Thiophenol				3					••	
	Phthalates										
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	8	29	301	704	191	•	••	••	•••	•••
84-74-2	Dibutyl phthalate	5	15		236	102	•	••		••	••
85-68-7	Butyl benzyl phthalate		12		61			••		••	
117-84-0 84-66-2	Di-n-octyl phthalate Diethyl phthalate		5 1		10			••		••	
120-61-6	Dimethyl terephthalate				40					••	
131-11-3	Dimethyl phthalate		1			82		••			••
131-17-9	diallyl phthalate				22					••	
100-42-5	Styrene Styrene	179	178		731	1,272	••				
96-09-3	Styrene oxide, phenyloxirane	179	0		2	1,272	•••	0		•••	•••
98-83-9	α-methylstyrene				59					••	
29082-74-4	Octachlorostyrene					6					••
F4 20 F	Aromatic nitro compounds					- 11					
51-28-5 88-75-5	2,4-dinitrophenol 2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol)				6	11 3				••	••
	p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol		0			3		0			••
100-02-7	(USA)										
534-52-1 88-72-2	4,6-dinitro-o-cresol o-nitrotoluene		0		4	3		0		••	••
121-14-2	2,4-Dinitrotoluene		1			10		••			••
606-20-2	2,6-Dinitrotoluene		0			3		0			••
25321-14-6	Dinitrotoluene (mixed isomers)		0		13	13		0		••	••
88-74-4 100-01-6	o-nitroaniline p-Nitroaniline		0		3	3		0		••	••
99-54-7	1,2-dichloro-4-nitrobenzene				0					0	
89-61-2	1,4-dichloro-2-nitrobenzene				1					•	
97-00-7 121-87-9	1-chloro-2,4-dinitrobenzene 2-chloro-4-nitroaniline				<u>4</u> 1					••	
88-73-3	2-chloronitrobenzene				1					·	
98-95-3	Nitrobenzene		0		13	22		0		••	••
99-65-0	m-Dinitrobenzene					3					••
100-25-4 528-29-0	p-Dinitrobenzene o-Dinitrobenzene					1 1					••
99-55-8	5-nitro-o-toluidine					2					••
100-00-5	p-nitrochlorobenzene				7					••	
88-85-7	Dinitrobutyl phenol (Dinoseb)					8					••
88-89-1 99-59-2	Picric acid (2,4,6-trinitrophenol ) 5-nitro-o-anisidine					7					0
91-23-6	o-Nitroanisole (added to TRI for RY2011)				2	0				•	0
	Bisphenol A				-	-				-	
80-05-7	4,4'-isopropylidenediphenol / bisphenol A		7		190	136		••		••	••
106 88 7	1,2-Butylene oxide		0		13	9					
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane  Calcium cyanamide		U		13	9		0		••	••
156-62-7	Calcium cyanamide		0		13	3		0		••	••
	Catechol										
120-80-9	Catechol / pyrocatechol		1		41	112		••		••	••
00.45.0	Cumene hydroperoxide										
80-15-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide  Cyclic ethers	-	2		11	30		••		••	••
123-91-1	1,4-Dioxane		2		98	37		••		••	••
109-99-9	Tetrahydrofuran		23					••			
	Dicyclopentadiene										
77-73-6	Dicyclopentadiene		11		51	81		••	-	••	••
422.20.4	Diphenylamine	<u> </u>				•					
122-39-4	Diphenylamine Epichlorohydrin	-	9		26	31		••		••	••
106-89-8	Epichlorohydrin Epichlorohydrin		0		111	65		0		••	••
130 03-0	Epoxy compounds		U		111	03		U			
75-56-9	Propylene oxide (1,2-epoxypropane)		0		66	97		0		••	••
106-92-3	1-allyloxy-2,3-epoxypropane			_	19	-		_	-	••	•
122-60-1	2,3-epoxypropyl phenyl ether				16					••	
122 00 1		ı			10	0				••	0
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)				10	U					
	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)  Diepoxybutane				10	0					0
556-52-5					34					••	0

Pollutant		# Facilities	Reportir	ng Polluta	nt		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI	NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	
107-21-1	Ethylene glycol Ethylene thiourea	45	315			1,319	••	•••			•••
96-45-7	Ethylene thiourea (2-imidazolidinethione)		0		35	6		0		••	••
	Hydrazines										
302-01-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)		3		216	48		••		••	••
10034-93-2 57-14-7	Hydrazine sulfate 1,1-Dimethyl hydrazine				7	<u>0</u> 1				••	••
60-34-4	Methyl hydrazine					1					••
100-63-0	phenylhydrazine				1					•	
122-66-7	1,2-Diphenylhydrazine					1					••
67-64-1	Ketone solvents Acetone	168					••				
108-10-1	Methyl isobutyl ketone	129	192			522	••	••			•••
78-93-3	Methyl ethyl ketone	163	310				••	•••			
106-35-4	Ethyl butyl ketone	0					0				
108-31-6	Maleic anhydride Maleic anhydride		11		216	172		••		••	•••
100 31 0	N,N-Dimethylformamide				2.10						
68-12-2	N,N-Dimethylformamide		7		467	141		••		••	••
	Nitroglycerin										
55-63-0	Nitroglycerin		2		8	52		••		••	••
	Nitrilotriacetic acid										
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)  Nonylphenol		3		10	5		••		••	••
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and		43	264	0			••	••	0	
	its ethoxylates		+3	204							
25154-52-3	Nonylphenol Octylphenol				75					••	
	Octylphenols and Octylphenols ethoxylates / Octylphenol and its										
1806-26-4	ethoxylates		6	66				••	••		
LCL-96	p-octylphenol				48					••	
9036-19-5	poly(oxyethylene) octylphenyl ether				87					••	
LCL-97	Phenylenediamines phenylenediamine				41					••	
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)					5					••
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)		2			11		••			••
108-45-2	m-phenylenediamine (1,3-Phenylenediamine)		_			17					
615-28-1	1,2-phenylenediamine dihydrochloride					0					0
624-18-0	1,4-phenylenediamine dihydrochloride					0					0
	Phthalic anhydride										
85-44-9	Phthalic anhydride		12		160	128		••		••	••
110.96.1	Pyridines Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)		4		101	45		••		••	••
110-86-1 100-69-6	2-vinylpyridine		- 4		6	40		•••		•••	••
108-99-6	3-methylpyridine				10					••	
109-06-8	2-Methylpyridine		0			6		0			••
04.22.5	Quinoline		5		20	12					
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)  Quinones				20	12		••		••	••
106-51-4	Quinone, p-Quinone		0			5		0			••
123-31-9	Hydroquinone		0		85	51		0		••	••
82-28-0	1-AMINO-2-METHYLANTHRAQUINONE					0					0
82-45-1 118-75-2	1-amino-9,10-anthraquinone 2,3,5,6-tetrachloro-p-benzoquinone				0					0	
117-79-3	2-AMINOANTHRAQUINONE					0					0
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)					0					0
LCL-98	Anthraquinone (all isomers)		8					••			
67-56-1	Saturated alcohols  Methanol	65	675			1,990	••	•••			•••
64-17-5	Ethanol	495	355			1,000	••	•••			
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid		416			0		•••			0
71-36-3	process are subject, no supplier notification) n-Butyl alcohol		93			736					
78-83-1	i-Butyl alcohol		93 57			130		••			•••
78-92-2	sec-Butyl alcohol		1			92		••			••
75-65-0	tert-Butyl alcohol		4			93		••			••
3452-97-9 143-08-8	3,5,5-trimethyl-1-hexanol 1-nonanol / n-nonyl alcohol				8 11					••	
112-30-1	decyl alcohol / decanol				37					••	
112-53-8	1-dodecanol / n-dodecyl alcohol				58					••	
111-87-5	1-Octanol				45					••	
62-56-6	Thiourea Thiourea		1		76	12		••		••	••
02-30-0	Unsaturated aliphatic alcohols				70	12					
	Allyl alcohol		1		35	35		••		••	••
107-18-6	Propargyl alcohol		0		6	7		0		••	••
107-18-6 107-19-7											
107-19-7	Vinyl acetate										
107-19-7	Vinyl acetate Vinyl acetate		27		150	157		••		••	•••
107-19-7	Vinyl acetate Vinyl acetate Volatile organic compounds (VOCs)		27		150	157		••		••	•••
107-19-7	Vinyl acetate Vinyl acetate		27		150	157		••		••	•••
107-19-7 108-05-4	Vinyl acetate Vinyl acetate Volatile organic compounds (VOCs) Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999–see: http://www.ec.gc.ca/lcpe-		1,786		150	157		••		••	•••
107-19-7 108-05-4	Vinyl acetate Vinyl acetate Volatile organic compounds (VOCs) Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999–see: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-				150	157				••	•••
	Vinyl acetate Vinyl acetate Volatile organic compounds (VOCs) Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999–see: http://www.ec.gc.ca/lcpe-				150	157			••	••	•••

Pollutant	# Facilities Reporting Pollutant Reporting Score								
CAS Number	Pollutant Name	Australia Canada EU Japan NPI NPRI E-PRTR PRTR	US TRI	Australia Canada NPI NPRI	•	US TRI			
646-06-0	1,3-dioxolane 1,3-dioxolane	28	8		••				
1321-74-0	divinylbenzene divinylbenzene	3.	1		••	_			
	diphenyl ether								
101-84-8	diphenyl ether  Ethylenebisdithiocarbamic acid, salts and esters	20	0		••				
LCL-102	ethylenebisdithiocarbamic acid, salts and esters		8		•	••			
102-06-7	1,3-diphenylguanidine 1,3-diphenylguanidine	36	ô		••				
	N,N-dimethylacetamide	45							
127-19-5	N,N-dimethylacetamide N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine	15	1		••	_			
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine	60	0		••				
61788-32-7	hydrogenated terphenyl hydrogenated terphenyl	1;	3		••	_			
4016 24 4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester sodium salt of 2-sulfohexadecanoic acid 1-methyl ester		2						
4016-24-4	carbonic acids / dicarbonic acids	•	2		•				
334-48-5 124-04-9	decanoic acid Adipic acid	13	7	••	••	_			
149-57-5	2-ethylhexanoic acid	60	0		••				
151-21-3	sodium dodecyl sulfate sodium dodecyl sulfate	77	7		••	_			
	1,2-bis(2-chlorophenyl)hydrazine					_			
782-74-1	1,2-bis(2-chlorophenyl)hydrazine Furans		0		0				
110-00-9	Furan (USA: added to TRI for RY2011)		4 0		••	0			
98-00-0	Furfuryl alcohol  Nitrosodiphenylamine	14		••		_			
86-30-6 156-10-5	N-Nitrosodiphenylamine P-Nitrosodiphenylamine	0	2	0		••			
130-10-3	Phosgene				•	••			
75-44-5	Phosgene Terpens	1	22	••	•	••			
68956-56-9	Terpene (all isomers)	12		••					
123-35-3 5989-27-5	Myrcene Limonene,D-	58 93		••					
80-56-8	Alpha-Pinene	154		••					
127-91-3 555-10-2	Beta-Pinene Beta-Phellandrene	149 68		••					
	betanaphthol		•			_			
135-19-3	betanaphthol benzophenone	1;	3		••				
119-61-9	benzophenone sodium poly(oxyethylene) dodecyl ether sulfate	17	7		••				
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate	9:	5		••				
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14) n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)	220	n		••				
LCL-105	poly(oxyethylene) alkyl ether (alkyl c=12-15)	220	U			_			
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)  Michler's ketone (and its salts)	538	8		•••				
90-94-8	Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)	0	0	0		0			
103-23-1	Adipate Bis(2-ehtylhexyl) adipate	17		••					
	Ethyl acetate								
141-78-6	Ethyl acetate  Benzidine	143 160		•• ••					
92-87-5	Benzidine		2			••			
91-94-1 119-90-4	3,3'-dichlorobenzidine 3,3'-dimethoxybenzidine		6 0 1			••			
612-83-9	3,3'-Dichlorobenzidine dihydrochloride	1	5	••		••			
119-93-7 612-82-8	3,3'-dimethylbenzidine / o-tolidine 3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)	;	5 1 0			• • • · · ·			
20325-40-0	3,3'-dimethybenzidine diffydrochloride		3			••			
111984-09-9	3,3'-dimethoxybenzidine hydrochloride		0			0			
41766-75-0 64969-34-2	3,3'-dimethoxybenzidine dihydrofluoride 3,3'-dichlorobenzidine sulfate		0			0			
04 50 7	Safroles								
94-59-7 94-58-6	Safrole Dihydrosafrole	0	2 1	0		••			
120-58-1	Isosafrole Isoprene	0	2	0		••			
78-79-5	Isoprene (USA: added to TRI for RY2011)	8 33	3 0	••	••	0			
93-15-2	Methyleugenol Methyleugenol (added to TRI for RY2011)		0			0			
	Ethylenediaminetetraacetic acid (EDTA)					_			
60-00-4	Ethylenediaminetetraacetic acid  Amines	69	9		••	_			
				l 1					
	methylamine	23			••				
74-89-5 107-15-3 121-44-8	methylamine ethylenediamine	11!	5	••	••				
	methylamine	7 26 1 4	5 1 119	••	••	••			

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101-83-7	N,N-dicyclohexylamine		122		••
112-18-5	N,N-dimethyldodecylamine		13		••
108-91-8	cyclohexylamine		70		••
75-52-5	Nitromethanes Nitromethane (added to TRI for RY2011)		8 0		•• 0
509-14-8	Tetranitromethane (added to TRI for RY2011)		0		0
	Methyl iodide				
74-88-4	Methyl iodide	0	12	0	••
77.00.0	Phenolphthalein				
77-09-8	Phenolphthalein (added to TRI for RY2011)  Diethyl sulfate		0		0
64-67-5	Diethyl sulfate	1	18	••	••
	Dimethyl sulfate				
77-78-1	Dimethyl sulfate	0	24	0	••
624.02.0	dimethyl disulfide				
624-92-0	dimethyl disulfide  Cyclohexanol		14		••
108-93-0	Cyclohexanol	2	17	••	••
100 33 0	Benzoyl peroxide	-			
94-36-0	Benzoyl peroxide	6	47	••	••
	bis(1-methyl-1-phenylethyl) peroxide				
80-43-3	bis(1-methyl-1-phenylethyl) peroxide		39		••
75-91-2	tert-butyl hydroperoxide tert-butyl hydroperoxide		20		
13-31-7	2-Mercaptobenzothiazole		20		••
149-30-4	2-Mercaptobenzothiazole	3	52 24	••	•• ••
	2-(morpholinodithio)benzothiazole				
95-32-9	2-(morpholinodithio)benzothiazole		8		••
	Imines				
75-55-8 151-56-4	Propyleneimine ethyleneimine		4 0		••
151-50-4	CARBONYL SULFIDE		4 0		•• 0
463-58-1	CARBONYL SULFIDE	65	135	••	••
	Terephthalic acid				
100-21-0	Terephthalic acid		84		••
	Ethyl chloroformate				
541-41-3	Ethyl chloroformate	0	4	0	••
872-50-4	N-Methyl-2-pyrrolidone N-Methyl-2-pyrrolidone	34	362	••	•••
	N-vinyl-2-pyrrolidone				
88-12-0	N-vinyl-2-pyrrolidone		15		••
	Short chain fatty acids				
64-18-6 64-19-7	Formic acid Acetic acid (ethanoic acid)	21 45	313	••	•••
04-15-7	Acetophenones	43			
98-86-2	Acetophenone	1	34	••	••
532-27-4	2-chloroacetophenone		0		0
	Peracetic acid				
79-21-0	Peracetic acid (Peracetic acid (and its salts))	3	66	••	••
357-57-3	Alkaloids Brucine		0		0
LCL-105	strychnine and salts		1		••
	2-Nitropropane				
79-46-9	2-Nitropropane	0	9	0	••
1624.64.4	Methyl tert-butyl ether		4.0		
1634-04-4	Methyl tert-butyl ether  Diethanolamine	8	149	••	•••
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)	47	302	••	•••
	Dimethyldithiocarbamates		302		
128-04-1	Sodium Dimethyldithiocarbamate		30		••
128-03-0	Potassium Dimethyldithiocarbamate		13		••
137-41-7 LCL-106	Potassium N-methyldithiocarbamate water-soluble salts of dimethyldithiocarbamic acid				••
	TOC		•		
LCL-107	Total organic carbon (TOC) (as total C or COD/3)	1,92	5		•••
Active substar	nces of plant protection products or biocidal products				
	Alachlor				
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)		4 3 5		• •• ••
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU	8	6 40 19		•• •• ••
	Triazine compounds	ĭ	10		
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)		6 1 22		
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)		8 3,031 6		• ••• ••
108-77-0 1014-70-6	2,4,6-trichloro-1,3,5-triazine simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine		20 4		••
1014-70-0	Trifluralin		4		
	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine )		1 3 30		• •• ••
1582-09-8	chloridazon				
1582-09-8			1		•
1582-09-8 1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one		- 1		
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one metribuzin				
	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one <b>metribuzin</b> 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one		4 10		•• ••
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one metribuzin				

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22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate	0	0
149877-41-8	bifenazate isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate flutolanil	1	•
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide	5	••
13516-27-3	iminoctadine 1,1'-[iminodi(octamethylene)]diguanidine	4	••
36335-67-8	butamifos O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate	5	••
2104-64-5	<b>EPN</b> O-ethyl O-4-nitrophenyl phenylphosphonothioate	2,984	•••
83130-01-2	alanycarb  ethyl (Z)-3-[N-benzyl-N-[[methyl(1- methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate	1	•
	fosthiazate		
98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate mancozeb	4	••
8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate)	8	••
85-00-7	diquat dibromide 1,1'-ethylene-2,2'-bipyridinium dibromide	4	••
80844-07-1	etofenprox 2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether	19	••
	mixture of emamectinB1a benzoate and emamectinB1b benzoate		
155569-91-8	emamectin benzoate tolfenpyrad	0	0
129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide fluazinam	2	•
79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine	4	••
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide	16	••
7085-19-0	mecoprop (RS)-2-(4-chloro-o-tolyloxy)propionic acid	3	••
133220-30-1	indanofan (RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione	1	•
158237-07-1	$\label{lem:continuous} \begin{tabular}{ll} fentrazamide \\ 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide \\ \end{tabular}$	7	••
78587-05-0	hexythiazox (4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide	3	••
107534-96-3	tebuconazole (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol fenbuconazole	5	••
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1- ylmethyl)butyronitrile cumyluron	1	•
99485-76-4	diclocymet	2	•
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide  tralomethrin	3	••
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate	0	0
57966-95-7	cartap cartap	5	••
15263-53-3	1,3-dicarbamoylthio-2-{N,N-dimethylamino}-propane iprodione	4	••
36734-19-7	${\it 3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide} \\ {\it tetraconazole}$	3	••
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether  oxaziclomefone	0	0
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl- 2H-1,3-oxazin-4-one pyrazoxyfen	8	••
71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone  pyrazolynate	1	•
58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate  dithianon	6	••
3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone	2	•
50512-35-1	isoprothiolane diisopropyl 1,3-dithiolan-2-ylidenemalonate	6	••
	carbosulfan		

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55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate  thiocyclam	1	•
31895-21-3	S-dimethylamino-1,2,3-trithiane	2	•
82560-54-1	$2, 2-dimethyl-2, 3-dihydro-1-benzofuran-7-yl\ N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate$	4	••
3861-47-0	ioxynil octanoate 3,5-diiodo-4-octanoyloxybenzonitrile	1	•
27355-22-2	phthalide 4,5,6,7-tetrachloroisobenzofuran-1(3H)-one	7	••
79538-32-2	tefluthrin 2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate	1	•
95465-99-9	cadusafos S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate	2	•
69327-76-0	<b>buprofezin</b> 2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one	4	••
112410-23-8	tebufenozide N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide	2	•
80060-09-9	diafenthiuron 1-tert-Butyl-3-{2,6-diisopropyl-4-phenoxyphenyl}thiourea	0	0
134098-61-6	fenpyroximate tert-butyl 4-{{[(1,3-dimethyl-5-phenoxy-4-	1	•
96489-71-3	pyrazolyl]methylidene]aminooxy}methyl]benzoate  pyridaben  2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone	1	•
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide	7	••
89269-64-7	ferimzone (Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone	7	••
173584-44-6	indoxacarb methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4- trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-	1	•
	carboxylate azoxystrobin methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-		
131860-33-8	methoxyacrylate carbam	2	•
144-54-7	N-methyldithiocarbamic acid oxamyl	2	•
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate	3	••
136191-64-5	pyriminobac-methyl methyl 2-{4,6-dimethoxy-2-pyrimizinyloxy}-6-[1- (methoxyimino)ethyl]benzoate	5	••
55814-41-0	mepronil 2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide	4	••
16752-77-5	methomyl S-methyl-N-(methylcarbamoyloxy)thioacetimidate trifloxystrobin	3	••
141517-21-7	methyl (E)-methoxyimino-[2-[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate	2	•
143390-89-0	kresoxim-methyl methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate	3	••
13684-63-4	phenmedipham 3-methoxycarbonylaminophenyl 3'-methylcarbanilate	1	•
88678-67-5	pyributicarb  O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate	6	••
	Chlorfenvinphos		
470-90-8	Chlorpyrifos Chlorpyrifos	1	•
5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2- pyridyl)phosphorothioate]	0	0
2921-88-2	Pyrityryprospinoremode() Chlorpyrifos Endosulphan	0 2	0 •
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	2 0	• 0
608-73-1	Hexachlorocyclohexane 1,2,3,4,5, 6-hexachlorocyclohexane (HCH)	5	•
465-73-6	Isodrin	13 2	••
	Isoproturon		
34123-59-6	Soproturon 2,4-D	42	••
94-75-7 2702-72-9	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA 2,4-D sodium salt	3 25 1	••
94-80-4	2,4-D esters 2,4-D butyl ester	0	0
01928-43-4 94-11-1	2,4-D 2-ethylhexyl ester 2,4-D isopropyl ester	14	••
	2,4-D butoxyethyl ester	6	••

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53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester		0				0
120-36-5	<b>2,4-DP 2,4-DP</b>		0				0
	2,4-DB						
94-82-6	2,4-DB Dicofol		1				••
	Dicofol [Benzenemethanol, 4-chloroalpha4-(chlorophenyl)alpha						
115-32-2	(trichloromethyl)-] Glyoxal		1				••
107-22-2	Glyoxal	41				••	
94-74-6	Methoxone  Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA	2	3			•	••
3653-48-3	Methoxone sodium salt	2	0				0
<u> </u>	Pronamide						
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)  Pendimethalin	0	3			0	••
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)	7	20			••	••
	Amitrole						
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole )		2				••
300-76-5	Naled Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)		2				••
300-70-3	Quintozene						
82-68-8	Quintozene (pentachloronitrobenzene)		8				••
220 55 2	Linuron	_				_	
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea )  Diazinon	5	5			••	••
	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl		40				
333-41-5	phosphorothioate)	16	12			••	••
522.74.4	Dazomet	3	1.5				
533-74-4 53404-60-7	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine )  Dazomet, sodium salt	3	15 1			••	••
	Trichlorfon						
52-68-6	Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate )	7	2			••	••
<del> </del>	Benomyl Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-						
17804-35-2	benzimidazolyl]carbamate)	11	1			••	••
	Thiobencarb						
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)	3,031	1			•••	••
33089-61-1	Amitraz Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene )	1	1			•	••
	Propanil						
709-98-8	Propanil (3',4'-dichloropropionanilide)		2				••
	Sulprofos Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl						
35400-43-2	phosphorodithioate)		0				0
	Profenofos						
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)	1	0			•	0
	Permethrin						
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-	14	20			••	••
	dimethylcyclopropanecarboxylate)  Quizalofop-ethyl						
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-						
76578-14-8	quinoxalinyloxy)phenoxy]propionate)	2	0			•	0
62.72.7	Dichloryos / DDVP	3	4				
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate )  Chloropicrin	3	4			••	••
76-06-2	Chloropicrin (trichloronitromethane)	4	10			••	••
<del></del>	Carbaryl / NAC						
63-25-2	Carbaryl (1-naphthyl N-methylcarbamate)  Chlorothalonil	14	14			••	••
1897-45-6	Chlorothalonii (tetrachloroisophthalonitrile)	15	18			••	••
	Paraquat dichloride / paraquat						
1910-42-5	Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)	3	5			••	••
	fenitrothion / MEP						
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)	24				••	
	Fenthion						
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)	0	0			0	0
	Molinate						
2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)	1	1			•	••
2312-35-8	Propargite / BPPS Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite )	1	2			•	••
	Chinomethionat	1					
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)		0				0
F2 0F 7	Famphur						
52-85-7	Famphur Tebuthiuron		0				0
34014-18-1	Tebuthiuron		2				••
	Sethoxydim						
74051-80-2	Sethoxydim Thiodicarb		2				••
	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-	_					
59669-26-0		5	4			••	••

Pollutant		# Facilities Reporting Pollutant	Reporting Score
CAS Number	Pollutant Name	Australia Canada EU Japan NPI NPRI E-PRTR PRTR	Australia Canada EU Japan US NPI NPRI E-PRTR PRTR TRI
93-65-2	Mecoprop Mecoprop	5	••
93-03-2	Aldicarb	3	•
116-06-3	Aldicarb	5	••
122.06.2	Captan	40	
133-06-2	Captan Folpet	10	••
133-07-3	Folpet	5	••
	Chloramben		
133-90-4	Chloramben	0	0
14484-64-1	<b>Ferbam</b> Ferbam	1	••
	Parathion		
56-38-2	Parathion	2	••
298-00-0	Methylparathion Pirimiphos methyl	2	••
20222 02 7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O-	1 0	•
29232-93-7	dimethyl phosphorothioate	1 0	• 0
35367-38-5	<b>Diflubenzuron</b> Diflubenzuron	1	••
33307-36-3	Metham sodium	'	•
137-42-8	Metham sodium	12	••
	Fenpropathrin		
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3- tetramethylcyclopropanecarboxylate	2 1	• ••
	Hydramethylnon		
67485-29-4	Hydramethylnon	3	••
71751 41 2	Abameetin		
71751-41-2	Abamectin  Lactofen	4	••
77501-63-4	Lactofen	1	••
	Nabam		
142-59-6	Nabam Thiabendazole	4	••
148-79-8	Thiabendazole	4	••
	Merphos		
150-50-5	Merphos	1	••
150-68-5	Monuron Monuron	0	0
130-08-3	Methoxychlor	, , , , , , , , , , , , , , , , , , ,	
72-43-5	Methoxychlor	14	••
	Tetramethrin		
7696-12-0	$\label{thm:condition} Tetramethrin / cyclohex-1-ene-1, 2-dicarboximidomethyl (1RS)-cis-trans-2, 2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate$	4 3	•• ••
	Resmethrin		
10453-86-8	Resmethrin Ethoprop	1	••
13194-48-4	Ethoprop	6	••
	Oxydemeton methyl		
301-12-2	Oxydemeton methyl	1	••
13684-56-5	<b>Desmedipham</b> Desmedipham	0	0
13004 30 3	Oryzalin		
19044-88-3	Oryzalin	3	••
	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-		
314-40-9	2,4-dione	2 1	• ••
53404-19-6	Bromacil, lithium salt	0	0
22704 22 2	Bendiocarb		
22781-23-3	Bendiocarb Phenothrin	1	••
26002-80-2	Phenothrin	3	••
	Triforine		
26644-46-2	Triforine	0	0
31218-83-4	Propetamphos Propetamphos	0	0
	Imazalil		
35554-44-0	Imazalil	0	0
43121-43-3	Triadimefon Triadimefon	4	••
.5141-45-3	Triclopyr	<u>'</u>	-
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)	1	•
57213-69-1	Triclopyr triethylammonium salt	7	••
	Propiconazole		
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-{2,4-dichlorophenyl}-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-{2,4-dichlorophenyl}-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole	1 11	• ••
	Cyfluthrin		
68359-37-5	Cyfluthrin	6	••
60006 50 4	Fluazifop butyl	0	
69806-50-4	Fluazifop butyl Fenoxycarb	0	0
		i .	i

Pollutant		# Facilities Reporting Pollutant	Reporting Score
CAS Number	Pollutant Name	Australia Canada EU Japan USTRI NPI NPRI E-PRTR PRTR	Australia Canada EU Japan US NPI NPRI E-PRTR PRTR TRI
	Chlorobenzilate		
510-15-6	Chlorobenzilate Bifenthrin	1	••
82657-04-3	Bifenthrin	14	••
	Terbacil		
5902-51-2	Terbacil	1	••
7786-34-7	Mevinphos Mevinphos	0	
7760-34-7	Metiram	0	0
9006-42-2	Metiram	0	0
	Ametryn		
834-12-8	Ametryn  Diphenamid	3	••
957-51-7	Diphenamid	0	0
	Pebulate		
1114-71-2	Pebulate	1	••
1134-23-2	Cycloate Cycloate	0	0
1134-23-2	Methazole	0	Ŭ.
20354-26-1	Methazole	1	••
	Cyanazine		
21725-46-2	Cyanazine Isofenphos	3 2	•• ••
25311-71-1	Isofenphos	0	0
	Norflurazon		
27314-13-2	Norflurazon	3	••
1689-84-5	Bromoxynil Bromoxynil	3	
1689-99-2	Bromoxynil octanoate	2	
	Nitrofen		
1836-75-5	Nitrofen	0	0
38727-55-8	Diethatyl ethyl Diethatyl ethyl	0	0
36727-33-6	Benfluralin	0	
1861-40-1	Benfluralin	5	••
	Dinocap		
39300-45-3	Dinocap Oxyfluorfen	0	0
42874-03-3	Oxyfluorfen	4	••
	Dicamba		
1918-00-9	Dicamba Coding diseases	15	
1982-69-0 2300-66-5	Sodium dicamba Dimethylamine dicamba	2	
	Vinclozolin	-	
50471-44-8	Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione <b>Picloram</b>	0 1	0 ••
1918-02-1	Picloram	5	••
	Propachlor		
1918-16-7	Propachlor	0	0
51235-04-2	Hexazinone Hexazinone	6	••
31233-04-2	Diclofop methyl	0	
51338-27-3	Diclofop methyl	0	0
	Nitrapyrin		
1929-82-4	Nitrapyrin Dimethipin	3	••
55290-64-7	Dimethipin	1	••
	Methiocarb		
2032-65-7	Methiocarb	0	0
60168-88-9	Fenarimol Fenarimol	1	••
-0100-00-3	Acifluorfen, sodium salt	<u>'</u>	
62476-59-9	Acifluorfen, sodium salt	1	••
C4002 72 7	Chlorulfuron	_	
64902-72-3	Chlorsulfuron Dipotassium endothall	2	••
2164-07-0	Dipotassium endothall	2	••
	Fenoxaprop ethyl		
66441-23-4	Fenoxaprop ethyl	0	0
2164-17-2	Fluometuron	0	0
	Cyhalothrin		
68085-85-8	Cyhalothrin	0	0
C0.40C 0.4 =	Fluvalinate		
69409-94-5	Fluvalinate Fomesafen	0	0
72178-02-0	Fomesafen	3	••
	Allate		
2303-16-4 2303-17-5	Diallate Triallate	2 2	
2303-17-3	Anilazine	2	••
101-05-3	Anilazine	0	0
	Myclobutanil		<u> </u>

Pollutant		# Facilitie	s Reporti	ng Polluta	ant		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI		EU E-PRTR	Japan PRTR	US TRI	Australia NPI		EU E-PRTR	Japan PRTR	US TRI
88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile				1	3				•	••
2439-10-3	Dodine Dodine					0					0
2100 10 0	Chlorimuron ethyl										
90982-32-4	Chlorimuron ethyl					2					••
101200-48-0	Tribenuron methyl Tribenuron methyl					3					••
	Temephos										
3383-96-8	Temephos Fenvalerate					1					••
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3- methylbutyrate)					0					0
114-26-1	Propoxur Propoxur (2-isopropoxyphenyl N-methylcarbamate)					3					••
114 20 1	Malathion / malathon										
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)  Dimethoate				8	20				••	••
60-51-5	Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)				3	5				••	••
	Hexachlorophene										
70-30-4	Hexachlorophene Methyl isothiocyanate		(	)		3		0			••
556-61-6	Methyl isothiocyanate				1	5				•	••
23564-05-8	Thiophanate Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)				10	8				••	••
23564-06-9	Thiophanate ethyl					0					0
122008-85-9	Cyhalofop / cyhalofop-butyl butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate				10					••	
	Disulfuton / ethylthiometon										
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate  Fenothiocarb				4					••	
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate				1					•	
	Halosulfuron-Methyl methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-										
100784-20-1	methylpyrazole-4-carboxylate				2					•	
96-12-8	Fumazone					1					••
90-12-8	1,2-dibromo3-chloropropane Difenoconazole					<u> </u>					••
119446-68-3	1-{{2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-				2					•	
	yl}methyl)-1H-1,2,4-triazole  Prothiofos										
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate				3					••	
97-23-4	Dichlorophene Dichlorophene					0					0
	Bromol										
118-79-6	2,4,6-tribromophenol Prometryn				6					••	
7287-19-6	Prometryn					2					••
	Dichloran										
99-30-9	Dichloran  Maneb					1					••
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] / manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)				6	2				••	••
050 07 0	Methidathion / DMTP S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-										
950-37-8	dimethyl phosphorodithioate  Tetrachlorvinphos	-			1					•	
961-11-5	Tetrachlorvinphos					2					••
	Isoxathion										
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate  Kitazin P / iprobenfos / IBP				1					•	
26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate				2					•	
1194-65-6	dichlobenil / DBN 2,6-dichlorobenzonitrile				8					••	
	Edifenphos / EDDP										
17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate  Pyraclofos				0					0	
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate				0					0	
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-				2	8				•	••
	oxadiazol-2(3H)-one Acephate										
30560-19-1	Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate			_	3	5				••	••
35691-65-7	Metacide 38  1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile					2					••
	Metolachlor										
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide  3-iodo-2-propynyl butylcarbamate				3					••	
55406-53-6	3-iodo-2-propynyl butylcarbamate					37					••
72250 50 7	Mefenacet				_						
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide	206			8		l			••	

Pollutant		# Facilities Reporting Po	ollutant		Reporting Sc	core			
CAS Number	Pollutant Name		EU Japan PRTR PRTR	US TRI	Australia C NPI		EU J E-PRTR I	apan PRTR	
	Clofentezine								
74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine		0					0	
	Phosalone O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl								
2310-17-0	phosphorodithioate  Carbofuran		2					•	
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-		2	5				•	••
1303-00-2	methylcarbamate								
2597-03-7	Phenthoate / PAP ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate		6					••	
	Tebufenpyrad		-						
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide		3					••	
	Cafenstrole								
125306-83-4	N,N-diethyl-3-{2,4,6-trimethylphenylsulfonyl}-1H-1,2,4-triazole-1-carboxamide		9					••	
120068-37-3	Fipronil 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4-		5					••	
	[(trifluoromethyl)sulfinyl]pyrazole Isoprocarb / MIPC								
2631-40-5	2-isopropylphenyl N-methylcarbamate		0					0	
	Landrin								
2655-15-4	2,3,5-trimethylphenyl methylcarbamate  2,4-D chlorocrotyl ester			0					0
2971-38-2	2,4-D Chlorocrotyl ester			0					0
	Fenobucarb / BPMC								
3766-81-2	2-sec-butylphenyl N-methylcarbamate		13					••	
28057-48-9	D-trans-allethrin D-trans-allethrin			0					0
20037-40-3	Dowicil 200			- 0					0
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride N-nitrosomethylvinylamine			14					••
4549-40-0	N-nitrosomethylvinylamine			0					0
5234-68-4	Carboxin Carboxin			2					••
323 : 00 :	Thiram								
137-26-8	Thiram (tetramethylthiuram disulfide)		3,125	61				•••	••
62-74-8	Sodium fluoroacetate Sodium fluoroacetate			0					0
	Beta-propiolactone								
57-57-8	Beta-propiolactone			0					0
136-45-8	Dipropyl isocinchomeronate Dipropyl isocinchomeronate			1					••
Colors and dye				·					
	C.I. Fluorescent 260								
16090-02-1	disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]		5					••	
	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6- dinitrophenylazo)-4'-methoxyacetanilide								
3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-		17					••	
	methoxyacetanilide C.I. Food Red								
3761-53-3	C.I. Food Red 5			0					0
81-88-9	C.I. Food Red 15	1		0		••			0
60-09-3	C.I. Solvent Yellow C.I. Solvent Yellow 3 / 4-aminoazobenzene			1					••
97-56-3	C.I. Solvent Yellow 3			0					0
492-80-8	C.I. Solvent Yellow 34			0					0
842-07-9	C.I. Solvent Yellow 14 C.I. Basic Green	0		0		0			0
569-64-2	C.I. Basic Green 4	0		0		0			0
	0.14.44.11	· · · · · · · · · · · · · · · · · · ·							
	C.I. Vat Yellow								0
128-66-5	C.I. Vat Yellow 4			0					
128-66-5 989-38-8		1		0		••			0
989-38-8	C.I. Vat Yellow 4 C.I. Basic Red C.I. Basic Red 1 C.I. Direct Black	1		0		••			
	C.I. Vat Yellow 4  C.I. Basic Red  C.I. Basic Red 1  C.I. Direct Black  C.I. Direct Black 38	1				••			0
989-38-8	C.I. Vat Yellow 4 C.I. Basic Red C.I. Basic Red 1 C.I. Direct Black	1		0		••			
989-38-8 1937-37-7	C.I. Vat Yellow 4  C.I. Basic Red  C.I. Basic Red 1  C.I. Direct Black  C.I. Direct Black 38  C.I. Direct Blue  C.I. Direct Blue 6  C.I. Direct Blue 218	1		0		••			0
989-38-8 1937-37-7 2602-46-2 28407-37-6	C.I. Vat Yellow 4  C.I. Basic Red  C.I. Basic Red 1  C.I. Direct Black  C.I. Direct Black 38  C.I. Direct Blue  C.I. Direct Blue  C.I. Direct Blue 218  C.I. Direct Blue 218	0		0 0 3		0			0
989-38-8 1937-37-7 2602-46-2 28407-37-6	C.I. Vat Yellow 4  C.I. Basic Red  C.I. Basic Red 1  C.I. Direct Black  C.I. Direct Black 38  C.I. Direct Blue  C.I. Direct Blue 6  C.I. Direct Blue 218			0					0
989-38-8 1937-37-7 2602-46-2 28407-37-6	C.I. Vat Yellow 4 C.I. Basic Red C.I. Basic Red 1 C.I. Direct Black C.I. Direct Black C.I. Direct Blue C.I. Direct Blue C.I. Direct Blue 6 C.I. Direct Blue 7 C.I. Disperse Yellow C.I. Disperse Yellow C.I. Disperse Yellow 3 C.I. Solvent Orange C.I. Solvent Orange 7	0		0 0 3		0			0
989-38-8 1937-37-7 2602-46-2 28407-37-6 2832-40-8 3118-97-6	C.I. Vat Yellow 4  C.I. Basic Red  C.I. Basic Red 1  C.I. Direct Black  C.I. Direct Black 38  C.I. Direct Blue 6  C.I. Direct Blue 218  C.I. Disperse Yellow  C.I. Disperse Yellow 3  C.I. Disperse Yellow 3  C.I. Solvent Orange  C.I. Solvent Orange 7  C.I. Acid Green	0		0 0 3 3 0		0			0
989-38-8 1937-37-7 2602-46-2 28407-37-6 2832-40-8 3118-97-6	C.I. Vat Yellow 4  C.I. Basic Red  C.I. Basic Red 1  C.I. Direct Black  C.I. Direct Blue  C.I. Direct Blue 6  C.I. Direct Blue 218  C.I. Disperse Yellow  C.I. Disperse Yellow 3  C.I. Solvent Orange  C.I. Solvent Orange 7  C.I. Acid Green  C.I. Acid Green 3	0		0 0 0 3		0			0
989-38-8 1937-37-7 2602-46-2 28407-37-6 2832-40-8 3118-97-6	C.I. Vat Yellow 4  C.I. Basic Red  C.I. Basic Red 1  C.I. Direct Black  C.I. Direct Black 38  C.I. Direct Blue 6  C.I. Direct Blue 218  C.I. Disperse Yellow  C.I. Disperse Yellow 3  C.I. Disperse Yellow 3  C.I. Solvent Orange  C.I. Solvent Orange 7  C.I. Acid Green	0		0 0 3 3 0		0			0
989-38-8 1937-37-7 2602-46-2 28407-37-6 2832-40-8 3118-97-6 4680-78-8 6459-94-5	C.I. Vat Yellow 4 C.I. Basic Red C.I. Basic Red 1 C.I. Direct Black C.I. Direct Black C.I. Direct Blue C.I. Direct Blue 6 C.I. Direct Blue 6 C.I. Direct Blue 9 C.I. Disperse Yellow C.I. Disperse Yellow C.I. Disperse Yellow C.I. Disperse Yellow 3 C.I. Solvent Orange C.I. Solvent Orange 7 C.I. Acid Green C.I. Acid Green C.I. Acid Red C.I. Acid Red C.I. Joinet Brown	0		0 0 3 3 0 0 1 1 0 0 0		0			0
989-38-8 1937-37-7 2602-46-2 28407-37-6 2832-40-8 3118-97-6 4680-78-8 6459-94-5 16071-86-6	C.I. Vat Yellow 4 C.I. Basic Red C.I. Basic Red 1 C.I. Direct Black C.I. Direct Black C.I. Direct Blue 2 C.I. Direct Blue 6 C.I. Direct Blue 218 C.I. Disperse Yellow C.I. Disperse Yellow C.I. Disperse Yellow 3 C.I. Solvent Orange C.I. Solvent Orange 7 C.I. Acid Green C.I. Acid Red 114 C.I. Direct Brown C.I. Direct Brown C.I. Direct Brown C.I. Direct Brown C.I. Direct Brown 95	0		0 0 0 3 3 0 0		0			0
989-38-8 1937-37-7 2602-46-2 28407-37-6 2832-40-8 3118-97-6 4680-78-8 6459-94-5 16071-86-6	C.I. Vat Yellow 4 C.I. Basic Red C.I. Basic Red 1 C.I. Direct Black C.I. Direct Black C.I. Direct Blue C.I. Direct Blue 6 C.I. Direct Blue 18 C.I. Disert Sellow C.I. Disperse Yellow C.I. Disperse Yellow C.I. Disperse Yellow 3 C.I. Solvent Orange C.I. Solvent Orange 7 C.I. Acid Green C.I. Acid Gred C.I. Acid Red C.I. Acid Red C.I. Joinet Brown	0		0 0 3 3 0 0 1 1 0 0 0		0			0
989-38-8 1937-37-7 2602-46-2 28407-37-6 2832-40-8 3118-97-6 4680-78-8 6459-94-5 16071-86-6 72-57-1	C.I. Vat Yellow 4 C.I. Basic Red C.I. Basic Red C.I. Direct Black C.I. Direct Black C.I. Direct Blue C.I. Direct Blue C.I. Direct Blue 6 C.I. Direct Blue 218 C.I. Disperse Yellow C.I. Disperse Yellow C.I. Disperse Yellow C.I. Disperse Yellow C.I. Disperse Yellow C.I. Acid Green C.I. Acid Green C.I. Acid Green C.I. Acid Red C.I. Acid Red C.I. Direct Brown C.I. Direct Brown C.I. Direct Brown C.I. Direct Brown C.I. Direct Brown C.I. Direct Brown C.I. Direct Brown 95 Trypan blue	0		0 0 3 3 0 0 0 0 0 0 0		0			0

Pollutant		# Facilities Reporting Pollutant	Reporting Score
CAS Number	Pollutant Name	Australia Canada EU Japan US TRI NPI NPRI E-PRTR PRTR	Australia Canada EU Japan US NPI NPRI E-PRTR PRTR TRI
97-77-8	disulfiram tetraethylthiuram disulfide / disulfiram	42	••
31-11-0	Nicotine	72	-
LCL-108	Nicotine and salts	37	••
57-41-0	Phenytoin Phenytoin	1	••
37-41-0	Pentobarbital sodium	'	
57-33-0	Pentobarbital sodium	1	••
C4.75.5	Tetracycline hydrochloride	4	
64-75-5	Tetracycline hydrochloride Triaziquone	1 2	••
68-76-8	Triaziquone	0	0
	Warfarin		
LCL-109	Warfarin and salts	3	••
75-08-1	organic substances ethanethiol	4	••
25103-58-6	tert-dodecanethiol	16	••
420-04-2 17796-82-6	cyanamide N-(cyclohexylthio)phthalimide	7 35	••
4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide	22	••
505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol	2	•
112-57-2 112-24-3	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine triethylenetetramine	36 39	••
99-76-3	methyl 4-hydroxybenzoate	39	••
103-90-2	N-(4-hydroxyphenyl)acetamide	3	••
941-69-5 2426-08-6	N-phenylmaleimide n-butyl-2,3-epoxypropyl ether		••
25013-16-5	butylhydroxyanisole / BHA	2	•
LCL-110 674-82-8	water-soluble salts of peroxodisulfuric acid  4-methylideneoxetan-2-one	161 7	••
3268-49-3	3-methylthiopropanal	1	•
110-91-8	morpholine	86	••
78-42-2 1330-78-5	tris(2-ethylhexyl) phosphate tritolyl phosphate	10 82	••
115-86-6	triphenyl phosphate	66	••
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride	62	••
100-97-0	1,3,5,7-tetra azatricyclo [3.3.1.13.7] decane  /  hexamethylen etetramine	181	••
100-37-8	2-(diethylamino)ethanol	24	••
4162-45-2 78-67-1	2,2'-{isopropylidenebis[{2,6-dibromo-4,1-phenylene)oxy]}diethanol 2,2'-azobisisobutyronitrile	91	••
541-53-7	2,4-Dithiobiuret	0	0
53-96-3 141-43-5	2-acetylaminofluorene 2-aminoethanol	2 444	••
75-86-5	2-methyllactonitrile / acetone cyanohydrin	7 10	
101-80-4	4,4'-Diaminodiphenyl ether	11 3	•• ••
101-61-1 92-67-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine 4-aminobiphenyl	0	•
60-11-7	4-dimethylaminoazobenzene	1	••
92-93-3 100-40-3	4-nitrobiphenyl	9	
60-35-5	4-vinyl-1-cyclohexene Acetamide	9	••
134-32-7	alpha-naphthylamine	0	
55-21-0 91-59-8	Benzamide beta-naphthylamine	0	
111-44-4	Bis(2-chloroethyl) ether	18	••
542-88-1	Bis(chloromethyl)ether	1	••
107-30-2 115-10-6	Chloromethyl methyl ether Dimethylether	18	••
123-86-4	Butyl acetate:n-	135	••
LCL-111 7379-12-6	Dihydronapthalene (all isomers) Methyl-3-hexanone,2-	8 7	••
27133-93-3	Methylindan (all isomers)	7	••
103-71-9	Phenyl isocyanate	7	••
420-56-4 135-20-6	Trimethylfluorosilane Cupferron	7 2	••
132-64-9	Dibenzofuran	26	••
101-90-6	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene	0 2	0 ••
138-93-2 759-94-4	Disodium cyanodithioimidocarbonate  Ethyl dipropylthiocarbamate	1 4	••
112-02-7	hexadecyltrimethylammonium chloride	33	••
124-09-4 680-31-9	hexamethylenediamine Hexamethylphosphoramide	37	••
74-93-1	Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting	0	0
109-77-3	requirements currently suspended)  Malononitrile	2	••
79-22-1	Methyl chlorocarbonate	3	••
624-83-9	Methyl isocyanate	5	••
95-31-8 1643-20-5	N-(tert-butyl)-2-benzothiazolesulfenamide N,N-dimethyldodecylamine N-oxide	44 52	••
924-42-5	N-Methylolacrylamide	1 27	••
55-18-5	N-nitrosodiethylamine	1	••
62-75-9 924-16-3	N-nitrosodimethylamine N-nitrosodi-N-butylamine	0	•
621-64-7	N-nitrosodi-N-propylamine	2	••
59-89-2 750-73-0	N-nitrosomorpholine	0	
759-73-9 684-93-5	N-nitroso-N-ethylurea N-nitroso-N-methylurea	1 1	••
16543-55-8	N-nitrosonornicotine	0	0
100-75-4	N-nitrosopiperidine	1	••

## Long Chemical List

Pollutant		# Facilitie	s Reportii	ng Polluta	ant		Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
104-12-1	P-chlorophenyl isocyanate					0					0
110-85-0	Piperazine				31					••	
51-03-6	Piperonyl butoxide					11					••
1120-71-4	Propane sultone					4					••
78-48-8	S,S,S-tributyltrithiophosphate					2					••
81-07-2	Saccharin (Manufacturing, no supplier notification)					2					••
132-27-4	Sodium O-phenylphenoxide					6					••
11070-44-3	Tetrahydromethylphthalic anhydride				102					••	
62-55-5	Thioacetamide					2					••
79-19-6	Thiosemicarbazide					0					0
126-73-8	tri-n-butyl phosphate				19					••	
115-96-8	Tris(2-chloroethyl) phosphate			•	5			•		••	
51-79-6	Urethane					11					••
105-60-2	ε-caprolactam				72					••	

ENV/JM/N	MONO(2014)32				
	ANNEX 3. COMM	ION LIST OF P	COLLUTANTS	(SHORT CHEM	IICAL LIST)

## Legend

PRTR Program	Column	Symbol	Explanation
All	Covered by PRTR?	*	Substance included as a compound entry in the respective PRTR; or substances regulated in complementary programs to the respective PRTR
All	Covered by PRTR?	X	Substance covered under the PRTR.
Canada: NPRI	Activity	✓	Reporting of Part 3 chemicals is based on whether or not the facility engages in a list of specified activities.
Canada: NPRI	Air Release (kg/year)	1000 <sup>A</sup>	Designates a reporting threshold of 1000 kg/year (1 ton) for Part 5 chemicals. A Part 5 substances must be reported if both the quantity of that substance released to air exceeds 1000 kg/year and the sum of all Part 4 chemicals released to air exceeds 10 tons.
EU: E-PRTR and Kiev Protocol Implementation Guidance	Release to Air Release to Water Release to Land	-	The chemical and medium (air, water, or land) does not trigger a reporting requirement.
Kiev Protocol Implementation Guidance	Manufacture, Process or Use (kg/year)	#	Release threshold to air should be used instead of an MPU threshold.
Kiev Protocol Implementation Guidance	Manufacture, Process or Use (kg/year)	##	Release threshold to water should be used instead of an MPU threshold.
Japan: PRTR	Chemical Category	I	Class 1 Designated Substance
Japan: PRTR	Chemical Category	S	Specific Class 1 Designated Substance
US: TRI	De Minimis % Limit	<b>*</b>	The given chemical is designated as PBT (persistent, bio accumulative, and toxic) and therefore no concentration threshold applies.
US: TRI	Manufacture (kg/year) Process (kg/year) Otherwise Use (kg/year) De Minimis % Limit	RS	Reporting for the chemical was stayed in 1995, no threshold information provided.
All	Reporting Score	0	Not Reported
All	Reporting Score	•	Low Reporting
All	Reporting Score	••	Medium Reporting
All	Reporting Score	•••	High Reporting

Persistent Organic Pollutants (POPs), Greenhouse gases (GHGs): present in ≤2 PRTR-Systems, but included due to their environmental relevance
Substances in groups where single substances are present in 5 PRTR-Systems
Substances in groups where single substances are present in 4 PRTR-Systems (incl. 3 POPs)
Substances in groups where single substances are present in 3 PRTR-Systems

Pollutant		
CAS Number	Pollutant Name	Remarks
	1.2 11.4 (202.)	
Persistent Org	anic Pollutants (POPs) Aldrin	
57-74-9	Chlordane	
50-29-3 60-57-1	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane Dieldrin	
72-20-8	Endrin	
76-44-8 2385-85-5	Heptachlor Mirex	
8001-35-2 319-84-6	Toxaphene alpha-hexachlorocyclohexane	
319-85-7	beta-hexachlorocyclohexane	
58-89-9 143-50-0	Lindane / gamma-hexachlorocyclohexane Chlordecone	
608-93-5	Pentachlorobenzene	
118-74-1 1336-36-3	Hexachlorobenzene (HCB) Polychlorinated biphenyls (PCBs)	
36355-01-8	Hexabromobiphenyl	as Hayakaan adiahan dathar and hantahan adiahan dathar (commercial
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)	as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether) as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)	octabromodiphenyl ether) as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial
207122-16-5	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)  2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)	octabromodiphenyl ether) as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial
5436-43-1	Z.2.,3,4,4,5,0-neptaoromodiphenyl ether (BDE-183)  Tetrabromodiphenyl ether	octabromodiphenyl ether) as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial
60348-60-9	Pentabromodiphenyl ether	pentabromodiphenyl ether) as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial
	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl	pentabromodiphenyl ether)
LCL-1	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)	
LCL-2 Metals	Polychlorinated dioxins and furans (as TEF)	expressed as WHO 2005 TEF
LCL-5	Antimony and compounds (as Sb)	includes antimony and any unique chemical substance that contains antimony as
LCL-7	Arsenic and compounds (as As)	part of that chemical's infrastructure includes arsenic and any unique chemical substance that contains arsenic as part of that showing a substance that contains arsenic as part of that showing a substance that contains arsenic as part of the showing a substance that contains arsenic as part of the showing a substance that contains a substance that conta
LCL-10	Cadmium and compounds (as Cd)	that chemical's infrastructure includes cadmium and any unique chemical substance that contains cadmium as part of that chemical's infrastructure
LCL-14	Chromium and chromium(III) compounds (as Cr)	includes chromium and any unique chemical substance that contains chromium(III) as part of that chemical's infrastructure
LCL-15	Chromium(VI) compounds (as Cr)	includes any unique chemical substance that contains chromium(VI) as part of that chemical's infrastructure
LCL-17	Cobalt and compounds (as Co)	includes cobalt and any unique chemical substance that contains cobalt as part of that chemical's infrastructure
LCL-19	Copper and compounds (as Cu)	includes copper and any unique chemical substance that contains copper as part of that chemical's infrastructure
LCL-21	Lead and compounds as (Pb)	includes lead and any unique chemical substance that contains lead as part of that chemical's infrastructure
LCL-24	Manganese and compounds (as Mn)	includes manganese and any unique chemical substance that contains manganese as part of that chemical's infrastructure includes mercury and any unique chemical substance that contains mercury as part
LCL-26	Mercury and compounds (as Hg)	of that chemical's infrastructure includes nickel and any unique chemical substance that contains nickel as part of
LCL-28	Nickel and compounds (as Ni)	that chemical's infrastructure includes selenium and any unique chemical substance that contains selenium as
LCL-30	Selenium and compounds (as Se)  Zinc and compounds (as Zn)	part of that chemical's infrastructure includes zinc and any unique chemical substance that contains zinc as part of that
Inorganic subs	, , ,	chemical's infrastructure
1332-21-4	Asbestos (friable)	the listing for asbestos is qualified by the term "friable," referring to the physical characteristic of being able to be crumbled, pulverized, or reducible to a powder with hand pressure
LCL-42	Cyanide (inorganic) compounds (as CN)	reported as CN
74-90-8 LCL-43	Hydrogen cyanide Fluorides (as total F)	reported as F
LCL-45	Phosphorus (total)	
LCL-50 LCL-52	PM10 - Particulate matter Chlorides (as total CI)	
LCL-53	Total nitrogen	
Chlorinated ar 107-06-2	nd brominated organic substances  1,2-Dichloroethane	
79-00-5	1,1,2-Trichloroethane	
71-55-6 79-34-5	1,1,1-trichloroethane 1,1,2,2-Tetrachloroethane	
75-01-4	Vinyl chloride (Chloroethylene)	
79-01-6 127-18-4	Trichloroethylene Tetrachloroethylene	
75-09-2	Dichloromethane / methylene dichloride	
67-66-3 56-23-5	Trichloromethane / Carbon tetrachloride	
12002-48-1	Tetrachloromethane / Carbon tetrachloride Trichlorobenzenes	
1163-19-5	Decabromodiphenyl ether Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and	
LCL-55	deca-BDE)  Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes,	
85535-84-8 87-86-5	C10-13, chloro	
87-86-5 LCL-60	Pentachlorophenol (PCP) Halogenated organic compounds (as AOX)	
87-68-3	Hexachlorobutadiene (HCBD)	

CAS Number	Pollutant Name	Remarks
Ozone depletir	ng substances	
-CL-62	Hydrochlorofluorocarbons (HCFCs)	total mass of substances including their isomers listed in Group I Annex C of the lis of controlled substances under the Montreal Protocol
_CL-63	Chlorofluorocarbons (CFCs)	total mass of substances including their isomers listed in Group I Annex A and Gro I Annex B of the list of controlled substances under the Montreal Protocol
LCL-65	Halons	total mass of substances including their isomers listed in Group II Annex A and Group I Annex E of the list of controlled substances under the Montreal Protocol
Greenhouse ga	ases (GHGs)	
124-38-9	Carbon dioxide	
	Methane Nitrous oxide	
LCL-66	Hydrofluorocarbons (HFCs)	Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310me HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc
LCL-67	Perfluorocarbons (PFCs)	Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14
	Sulphur hexafluoride (SF6)	
Other gases 7664-41-7	Ammonia (NH3)	anhydrous ammonia
LCL-69	Chlorine and inorganic compounds (as HCI)	anilyulous animonia acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size
75-21-8	Ethylene oxide	
630-08-0 LCL-70	Carbon monoxide Fluorine and inorganic compounds (as HF)	
11104-93-1	Nitrogen oxides (NOx/NO2)	
	Sulphur oxides (SOx/SO2)	
Polycyclic aron	natic hydrocarbons (PAHs)	
-CL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)	
120-12-7	Anthracene	
91-20-3	Naphthalene	
Other organic: 75-05-8	Acetonitrile	
.07-02-8	Acrolein	
9-06-1	Acrylamid	
79-10-7 30-62-6	Acrylic acid and its water-soluble salts  Methyl methacrylate	
	Acrylonitrile	
75-07-0	Acetaldehyde	
62-53-3	Aniline	
92-52-4 98-82-8	Biphenyl (1,1-biphenyl)  Cumene (1-methylethylbenzene)	
110-54-3	n-Hexane	
71-43-2	Benzene	
100-41-4 108-88-3	Ethylbenzene Toluene	
	Xylene (mixed isomers)	
106-99-0	1,3-Butadiene	
75-15-0	Carbon disulfide / Carbon disulphide	
101-68-8 110-80-5	Methylenebis(phenylisocyanate) (MDI) 2-Ethoxyethanol / ethylene glycol monoethyl ether	
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	
50-00-0	Formaldehyde	
110-49-6 111-15-9	2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	
.CL-91	Organotin compounds (as total Sn)	
.CL-92	Tributyltin and compounds Triphenyltin and compounds	
.CL-93 .CL-94	Phenols (as total C)	
.08-95-2	Phenol	
17-81-7 34-74-2	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate	
.00-42-5	Styrene	
.CL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	
CL-100	Non-methane volatile organic compounds (NMVOC)  Total organic control (TOC) (as total C or COD (2)	
	Total organic carbon (TOC) (as total C or COD/3)  ces of plant protection products or biocidal products	
.5972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	
30-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU	
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	
122-34-9 1582-09-8	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)	
170-90-8	Chlorfenvinphos	
2921-88-2	Chlorpyrifos	
15-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	
08-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)	
34123-59-6	Isoproturon	

Pollutant		Covered b	y PRTR?				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
Persistent Org	ganic Pollutants (POPs) Aldrin						
57-74-9	Chlordane			X X	X X		x
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane			Х	х		
60-57-1 72-20-8	Dieldrin Endrin			X X	X X		
76-44-8	Heptachlor			х	х		х
2385-85-5 8001-35-2	Mirex Toxaphene			X X	X X		х
319-84-6	alpha-hexachlorocyclohexane				^		X
319-85-7	beta-hexachlorocyclohexane Lindane / gamma-hexachlorocyclohexane						
58-89-9 143-50-0	Chlordecone			X X	X X		Х
608-93-5	Pentachlorobenzene			Х	х		Х
118-74-1 1336-36-3	Hexachlorobenzene (HCB) Polychlorinated biphenyls (PCBs)	x x	Х	X X	X X	х	X X
36355-01-8	Hexabromobiphenyl			Х			
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)						
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)						
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)						
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)						
5436-43-1 60348-60-9	Tetrabromodiphenyl ether  Pentabromodiphenyl ether						
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl					x	
LCL-2	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid) Polychlorinated dioxins and furans (as TEF)	х	*	х	х		х
Metals							
LCL-5	Antimony and compounds (as Sb)	х	х			х	Х
LCL-7	Arsenic and compounds (as As)	х	х	x	х	х	Х
LCL-10 LCL-14	Cadmium and compounds (as Cd)  Chromium and chromium(III) compounds (as Cr)	X	x x	×	*	×	×
LCL-15	Chromium(VI) compounds (as Cr)	x	x	*	*	x	*
LCL-17	Cobalt and compounds (as Co)	х	х			х	х
LCL-19	Copper and compounds (as Cu)	х	х	х	х	х	х
LCL-21	Lead and compounds as (Pb)	х	х	х	х	х	х
LCL-24	Manganese and compounds (as Mn)	х	х			х	х
LCL-26	Mercury and compounds (as Hg)	х	х	х	х	х	х
LCL-28	Nickel and compounds (as Ni)	х	х	х	х	х	х
LCL-30	Selenium and compounds (as Se)	х	х			х	х
LCL-32	Zinc and compounds (as Zn)	х	х	Х	х	х	Х
Inorganic subs	Asbestos (friable)		x	x	x	x	x
LCL-42	Cyanide (inorganic) compounds (as CN)	U					
74-90-8	Hydrogen cyanide	Х	X X	X X	X X	Х	x
LCL-43	Fluorides (as total F)	х	*	Х	х	х	*
LCL-45 LCL-50	Phosphorus (total) PM10 - Particulate matter	x x	х	X X	X X		
LCL-52	Chlorides (as total CI)			Х	Х		
LCL-53 Chlorinated a	Total nitrogen nd brominated organic substances	Х		Х	Х		
107-06-2	1,2-Dichloroethane	x	Х	Х	Х	Х	Х
79-00-5 71-55-6	1,1,2-Trichloroethane 1,1,1-trichloroethane	х	Х	х	х	x	X X
79-34-5	1,1,2,2-Tetrachloroethane	х	х	х	х		х
75-01-4 79-01-6	Vinyl chloride (Chloroethylene) Trichloroethylene	X X	x x	x x	X X	x	x
127-18-4	Tetrachloroethylene	х	х	х	х	х	х
75-09-2 67-66-3	Dichloromethane / methylene dichloride  Trichloromethane / Chloroform	X X	x x	x x	x x	x x	x
56-23-5	Tetrachloromethane / Carbon tetrachloride		X	X	X	X	X
12002-48-1	Trichlorobenzenes  Decapromedinhonul ethor			X *	X *	X	
1163-19-5 LCL-55	Decabromodiphenyl ether  Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)		Х	x	x	х	х
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro		х	х	х	х	х
	Pentachlorophenol (PCP)			х	х	х	х
87-86-5 LCL-60	Halogenated organic compounds (as AOX)			х	х		

Come depleting substances	Pollutant		Covered b	y PRTR?				
CCL-62	CAS Number	Pollutant Name						US TRI
CL-65   Chlorofluorocarbons (GFCs)	Ozone depleti	ng substances						
CLC-65	LCL-62	Hydrochlorofluorocarbons (HCFCs)		*	x	x	*	*
Commonweal pages (GHGs)	LCL-63	Chlorofluorocarbons (CFCs)		*	x	х	*	*
224.38-0	LCL-65	Halons		*	x	x	*	*
1743248	Greenhouse g	ases (GHGs)						
1,0024-97-2   Nitrous noide			1					
CLC-67   Perfluorocarbons (PFCs)								
Sulphur headingoride (SF6)			*	*			*	*
Total	LCL-67	Perfluorocarbons (PFCs)	*	*	х	х	*	*
CLL-69	2551-62-4	Sulphur hexafluoride (SF6)	*	*	х	х	*	*
Class	Other gases							
September   Sept	7664-41-7	Ammonia (NH3)	*	*	х	х		х
130-98-0	LCL-69	Chlorine and inorganic compounds (as HCI)	х	х	x	x		х
Thurbing and Inorganic Compounds (as HF)		Ethylene oxide	х	х	х	х	х	Х
11104-93-1   Nitrogen oxides (NOx/NO2)			х	х				
Variable   Variable			x	x				
CLC-74								
LCL-74	Polycyclic aro							
120-12-7	LCL-74	benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9),			x	x		
Other organic substances         X <td></td> <td></td> <td></td> <td>х</td> <td>Х</td> <td>х</td> <td>х</td> <td>Х</td>				х	Х	х	х	Х
75-05-8				х	Х	Х	Х	Х
107-02-8							· ·	v
79-10-7								
80-62-6   Methyl methacrylate		•						
107-13-1								X
75-07-0   Acetaldehyde								
92-52-4 Biphenyl (1,1-biphenyl)	75-07-0	Acetaldehyde						Х
38-82-8   Cumene (1-methylethylbenzene)								X
110-54-3								X
100-41-4   Ethylbenzene								Х
108-88-3								
1330-20-7   Xylene (mixed isomers)		. ,				- "		
75-15-0								
101-68-8   Methylenebis(phenylisocyanate) (MDI)		,	х	х			Х	Х
110-80-5								X
Sono-00   Formaldehyde		, , , , , , , , ,						x
110-49-6   2-Methoxyethanol acetate / 2-methoxyethyl acetate		Methoxyethanol / ethylene glycol monomethyl ether						Х
111-15-9   2-Ethoxyethanol acetate / 2-ethoxyethyl acetate								
101-14-4								
LCL-92   Tributyltin and compounds	101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	х				х	
CLC-93			X				Х	-
108-95-2   Phenol	LCL-93	Triphenyltin and compounds						
117-81-7   Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate   x								
84-74-2   Dibutyl phthalate								
LCL-95     Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)     x     x     x     x       LCL-100     Non-methane volatile organic compounds (NMVOC)     x     x       LCL-107     Total organic carbon (TOC) (as total C or COD/3)     x     x       Active substances of plant protection products or biocidal products       15972-60-8     Alachlor (2-chloro-2/,6'-diethy-N-(methoxymethyl)acetanilide)     x     x     x     x       330-54-1     Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU     x     x     x     x       1912-24-9     Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)     x     x     x     x       122-34-9     Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)     x     x     x     x       1582-09-8     Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)     x     x     x     x       470-90-8     Chlorfenvinphos     x     x     x					^	^		X
LCL-100     Non-methane volatile organic compounds (NMVOC)     x     x       LCL-107     Total organic carbon (TOC) (as total C or COD/3)     x     x       Active substances of plant protection products or biocidal products       15972-60-8     Alachlor (2-chloro-2',6'-diethy-N-{methoxymethyl)acetanilide}     x     x     x     x       330-54-1     Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU     x     x     x     x       1912-24-9     Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)     x     x     x     x       122-34-9     Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)     x     x     x     x       1582-09-8     Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)     x     x     x       470-90-8     Chlorfenvinphos     x     x	100-42-5	Styrene		х			Х	х
CLC1-107   Total organic carbon (TOC) (as total C or COD/3)   x x   x			<del>                                     </del>	Х			х	
Active substances of plant protection products or biocidal products     15972-60-8   Alachlor (2-chloro-2',6'-diethy-N-{methoxymethyl})acetanilide								
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Active substar	nces of plant protection products or biocidal products						
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$								Х
122-34-9Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)xxxxx1582-09-8Trifluralin ( $\alpha$ , $\alpha$ , $\alpha$ -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)xxxx470-90-8Chlorfenvinphosxx			<del>                                     </del>					X
1582-09-8     Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)     x     x     x     x       470-90-8     Chlorfenvinphos     x     x								X
	1582-09-8	Trifluralin ( $\alpha$ , $\alpha$ , $\alpha$ -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine )			Х			Х
2021 99 2 Chlorourifos			<u> </u>					
2921-88-2 Chlorpyrifos x x x  Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-								
methano-2,4,3-benzodioxathiepine 3-oxide x x x x	115-29-7				X X	x	х	
	34123-59-6	Isoproturon			X	X		
A X								

Part   Part	Pollutant		Thresholds	, Australia:	NPI				
				_	Emission / Transfer	Combusted: Annual	Combusted:	Use	Power Rating (MW)
27-249									
Section   Process									
12-26   10-2									
Part   Part									
1962-1962   Toppleme									
1848-06   Part Presculturary Companies									
1819-157   State Percentage Control Percentage   1819-157   State									
131-10-10   Clearences	319-85-7	beta-hexachlorocyclohexane							
1   10,000									
March   Marc									
100,000   100,			1	10,000					
2,7,4,7,5,6   herabromodiphenyl enter (BDC-175)									
2012-16-5									
\$4,04.5.1   Tetrahromotiphemyl ether	446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)							
	207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)							
Perficuence and present and present and perfusion octations and form (and perfusion octation)   2	5436-43-1	Tetrabromodiphenyl ether							
Multiple Proof   June perfluence (case   1	60348-60-9	Pentabromodiphenyl ether							
Metals	LCL-1								
1		Polychlorinated dioxins and furans (as TEF)	2b			2,000,000		60,000	20
CLC-7		Antimony and compounds (as Sh)	1	10.000					
Cit-14   Chromium and chromounds (as Cd)				•		2 000 000		60,000	20
CLC-14   Chromium and chromium(III) compounds (as Cr)				•					
CLC-15   Chromiumi(VI) compounds (as Cr)   1, 2b   10,000   2,000,000   60,000				•					20
CC-17   Cobalt and compounds (as Cu)				•					20
CL-19   Copper and compounds (as Cu)				•		2,000,000	'	60,000	
CL-21   Lead and compounds (as Mp)				•		2 000 000		60,000	20
1									20
18,28			1, 20			2,000,000	'	00,000	
1, 2b   10,000   2,000,000   60,000			1h 2h			2 000 000		60,000	20
1									20
CL-32   Zinc and compounds (as Zn)		. , ,	·			2,000,000		00,000	
Inorganic substances				•					
1332-21-4   Asbestos (friable)			'	10,000					
CL-42									
Name									
CL-43   Fluorides (as total F)   1, 2a, 2b   10,000   400,000   1,000   60,000			1	10,000					
CLC-50   PM10 - Particulate matter   2a, 2b	LCL-43			10,000		400,000	1,000	60,000	20
LCL-52         Chlorides (as total CI)         3         15,000           Chlorinated and brominated organic substances         3         15,000           Dro-06-2         1,2-Dichloroethane         1         10,000           79-00-5         1,1,2-Trichloroethane         1         10,000           71-55-6         1,1,1-trichloroethane         1         10,000           79-34-5         1,1,2,2-Tetrachloroethane         1         10,000           79-01-6         Trichloroethylene         1         10,000           79-01-6         Trichloroethylene         1         10,000           75-09-2         Dichloromethane / methylene dichloride         1         10,000           67-66-3         Trichloromethane / Carbon tetrachloride         1         10,000           65-23-5         Tetrachloromethane / Carbon tetrachloride         1         10,000           163-19-5         Decabromodiphenyl ether         1         10,000           66-23-5         Tetrachloromethane / Carbon tetrachloride         1         10,000           163-19-5         Decabromodiphenyl ether         1         10,000           85-38-84-8         Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-C13, chloro         1         1					3,000	400.000	1 000	60,000	20
CL-53   Total nitrogen   3   15,000			∠a, ∠u			+00,000	1,000	00,000	
107-06-2       1,2-Dichloroethane       1       10,000         79-00-5       1,1,2-Trichloroethane       1       10,000         71-55-6       1,1,1-trichloroethane       1       10,000         79-34-5       1,1,2-Tetrachloroethane       1       10,000         75-01-4       Vinyl chloride (Chloroethylene)       1       10,000         79-01-6       Trichloroethylene       1       10,000         127-18-4       Tetrachloroethylene / methylene dichloride       1       10,000         56-09-2       Dichloromethane / methylene dichloride       1       10,000         56-23-5       Tetrachloromethane / Carbon tetrachloride       1       10,000         12002-48-1       Trichlorobenzenes       1       10,000         1163-19-5       Decabromodiphenyl ether       1       10,000         8553-84-8       Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro       C10-13, chloro         87-86-5       Pentachlorophenol (PCP)       Interchance of the proposition of the propositi	LCL-53		3		15,000	-	-		
1			1	10.000					
71-55-6 1,1,1-trichloroethane 79-34-5 1,1,2,2-Tetrachloroethane 79-34-5 1,1,2,2-Tetrachloroethane 79-01-4 Vinyl chloride (Chloroethylene) 79-01-6 Trichloroethylene 1 10,000 127-18-4 Tetrachloroethylene 1 10,000 75-09-2 Dichloromethane / methylene dichloride 1 10,000 67-66-3 Trichloromethane / Chloroform 1 10,000 56-23-5 Tetrachloromethane / Carbon tetrachloride 12002-48-1 Trichlorobenzenes 1163-19-5 Decabromodiphenyl ether Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE) 85-535-84-8 Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  87-86-5 Pentachlorophenol (PCP) LCL-60 Halogenated organic compounds (as AOX)									
75-01-4 Vinyl chloride (Chloroethylene) 1 10,000 79-01-6 Trichloroethylene 1 10,000 127-18-4 Tetrachloroethylene 1 10,000 127-18-4 Tetrachloromethane / methylene dichloride 1 10,000 67-66-3 Trichloromethane / Chloroform 1 10,000 56-23-5 Tetrachloromethane / Carbon tetrachloride 12002-48-1 Trichlorobenzenes 1163-19-5 Decabromodiphenyl ether 1CL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE) 85535-84-8 Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro 87-86-5 Pentachlorophenol (PCP) 1CL-60 Halogenated organic compounds (as AOX)	71-55-6	1,1,1-trichloroethane							_
1									
127-18-4         Tetrachloroethylene         1         10,000           75-09-2         Dichloromethane / methylene dichloride         1         10,000           67-66-3         Trichloromethane / Carbon tetrachloride         1         10,000           56-23-5         Tetrachloromethane / Carbon tetrachloride         1         10,000           12002-48-1         Trichlorobenzenes         1         10,000           1163-19-5         Decabromodiphenyl ether         1         10,000           LCL-55         Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)         1         10,000           85535-84-8         Chioro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro         C10-13, chloro         1           87-86-5         Pentachlorophenol (PCP)         1         1           LCL-60         Halogenated organic compounds (as AOX)         1         10,000									
67-66-3 Trichloromethane / Chloroform 1 10,000  56-23-5 Tetrachloromethane / Carbon tetrachloride  12002-48-1 Trichlorobenzenes  1163-19-5 Decabromodiphenyl ether  ICL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  85535-84-8 Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  87-86-5 Pentachlorophenol (PCP)  ICL-60 Halogenated organic compounds (as AOX)		Tetrachloroethylene			-	-	-		
56-23-5 Tetrachloromethane / Carbon tetrachloride 12002-48-1 Trichlorobenzenes 1163-19-5 Decabromodiphenyl ether  LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE) 85535-84-8 Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro 87-86-5 Pentachlorophenol (PCP) LCL-60 Halogenated organic compounds (as AOX)									
1163-19-5 Decabromodiphenyl ether  LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  S535-84-8 Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  87-86-5 Pentachlorophenol (PCP)  LCL-60 Halogenated organic compounds (as AOX)	56-23-5	Tetrachloromethane / Carbon tetrachloride	·	. 5,550					
LCL-55 Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)  85535-84-8 Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  87-86-5 Pentachlorophenol (PCP)  LCL-60 Halogenated organic compounds (as AOX)									
85535-84-8 Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro  87-86-5 Pentachlorophenol (PCP)  LCL-60 Halogenated organic compounds (as AOX)		Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and							
87-86-5     Pentachlorophenol (PCP)       LCL-60     Halogenated organic compounds (as AOX)	85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes,							
		Pentachlorophenol (PCP)							
87-88-3 Hexachioroputagiene (HCBD)	87-68-3	Halogenated organic compounds (as AOX) Hexachlorobutadiene (HCBD)							

Pollutant		Thresholds	, Australia:	NPI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
Ozone depleti								
LCL-62	Hydrochlorofluorocarbons (HCFCs)							
LCL-63	Chlorofluorocarbons (CFCs)							
LCL-65	Halons							
Greenhouse g	ases (GHGs)							
124-38-9	Carbon dioxide							
74-82-8 10024-97-2	Methane Nitrous oxide							
LCL-66	Hydrofluorocarbons (HFCs)							
LCL-67	Perfluorocarbons (PFCs)							
2551-62-4	Sulphur hexafluoride (SF6)							
Other gases								
7664-41-7	Ammonia (NH3)	1	10,000					
LCL-69	Chlorine and inorganic compounds (as HCl)	1	10,000					
75-21-8	Ethylene oxide	1	10,000					
630-08-0	Carbon monoxide	1, 2a, 2b	10,000		400,000	1,000	60,000	20
LCL-70	Fluorine and inorganic compounds (as HF)			-				
11104-93-1	Nitrogen oxides (NOx/NO2)	2a, 2b	10.000		400,000	1,000	60,000	20
2025-88-4 Polycyclic aror	Sulphur oxides (SOx/SO2) matic hydrocarbons (PAHs)	1, 2a, 2b	10,000		400,000	1,000	60,000	20
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9),							
	indeno(1,2,3-cd)pyrene (193-39-5)							
120-12-7 91-20-3	Anthracene Naphthalene							
Other organic								
75-05-8	Acetonitrile	1	10,000					
107-02-8	Acrolein	1	10,000					
79-06-1 79-10-7	Acrylamid Acrylic acid and its water-soluble salts	1	10,000					
80-62-6	Methyl methacrylate	1	10,000					
107-13-1	Acrylonitrile	1	10,000					
75-07-0	Acetaldehyde	1	10,000					
62-53-3 92-52-4	Aniline Biphenyl (1,1-biphenyl)	1	10,000					
98-82-8	Cumene (1-methylethylbenzene)	1	10,000					
110-54-3	n-Hexane	1	10,000					
71-43-2 100-41-4	Benzene Ethylbenzene	1	10,000					
108-88-3	Toluene	1	10,000					
1330-20-7	Xylene (mixed isomers)	1	10,000					
106-99-0	1,3-Butadiene	1	10,000					
75-15-0 101-68-8	Carbon disulfide / Carbon disulphide  Methylenebis(phenylisocyanate) (MDI)	1	10,000					
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	1	10,000					
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	1	10,000					
50-00-0	Formaldehyde  2 Methogyethoral asstate / 2 methogyethyl asstate	1	10,000					
110-49-6 111-15-9	2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	1	10,000					
101-14-4	2-Ethosyetianol acetate / 2-Ethosyetinyl acetate 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'- diaminodiphenylmethane	1	10,000					
LCL-91	Organotin compounds (as total Sn)	1	10,000					
LCL-92	Tributyltin and compounds		,					
LCL-93	Triphenyltin and compounds							
LCL-94 108-95-2	Phenols (as total C) Phenol	1	10,000					
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate	1	10,000					
84-74-2	Dibutyl phthalate	1	10,000					
100-42-5	Styrene Newylphonel and Newylphonel ethogoletes (ND/NDTs)	1	10,000					
LCL-95 LCL-100	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)  Non-methane volatile organic compounds (NMVOC)							
LCL-107	Total organic carbon (TOC) (as total C or COD/3)							
	nces of plant protection products or biocidal products							
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)							
330-54-1 1912-24-9	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)							
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)							
1582-09-8	Trifluralin ( $\alpha$ , $\alpha$ , $\alpha$ -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine )							
470-90-8	Chlorfenvinphos							
2921-88-2	Chlorpyrifos Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-							
115-29-7	methano-2,4,3-benzodioxathiepine 3-oxide							
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)							
34123-59-6	Isoproturon	1						

Pollutant		Thresholds	s, Canada: NPRI					
CAS Number	Pollutant Name	Chemical	Manufacture,	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
	ganic Pollutants (POPs)							
309-00-2 57-74-9	Aldrin Chlordane							
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane							
60-57-1	Dieldrin							
72-20-8 76-44-8	Endrin Heptachlor							
2385-85-5	Mirex							
8001-35-2	Toxaphene							
319-84-6	alpha-hexachlorocyclohexane							
319-85-7 58-89-9	beta-hexachlorocyclohexane Lindane / gamma-hexachlorocyclohexane							
143-50-0	Chlordecone							
608-93-5	Pentachlorobenzene							
118-74-1 1336-36-3	Hexachlorobenzene (HCB) Polychlorinated biphenyls (PCBs)	3			✓			
36355-01-8	Hexabromobiphenyl							
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)							
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)							
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)							
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)							
5436-43-1	Tetrabromodiphenyl ether							
60348-60-9	Pentabromodiphenyl ether							
LCL-1	Perfluorocctane sulfonic acid (PFOS), its salts and perfluorocctane sulfonyl						·	
LCL-2	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid) Polychlorinated dioxins and furans (as TEF)	3			<b>√</b>			
Metals	Torychiormated dioxins and rurans (as 1E1)							
LCL-5	Antimony and compounds (as Sb)	1A	10,000				1.0%	
LCL-7	Arsenic and compounds (as As)	1B	50				0.1%	
LCL-10	Cadmium and compounds (as Cd)	1B	5				0.1%	
LCL-14	Chromium and chromium(III) compounds (as Cr)	1A	10,000				1.0%	
LCL-15	Chromium(VI) compounds (as Cr)	1B	50				0.1%	
LCL-17	Cobalt and compounds (as Co)	1A	10,000				1.0%	
LCL-19 LCL-21	Copper and compounds (as Cu)	1A 1B	10,000				0.1%	
LCL-24	Lead and compounds as (Pb)  Manganese and compounds (as Mn)	1A	10,000				1.0%	
LCL-26	Mercury and compounds (as Hg)	1B	5					
LCL-28	Nickel and compounds (as Ni)	1A	10,000				1.0%	
LCL-30	Selenium and compounds (as Se)	1B	100				0.0%	
LCL-32	Zinc and compounds (as Zn)	1A	10,000				1.0%	
Inorganic subs	stances							
1332-21-4	Asbestos (friable)	1A	10,000				1.0%	
T4-90-8	Cyanide (inorganic) compounds (as CN) Hydrogen cyanide	1A 1A	10,000 10,000				1.0%	
LCL-43 LCL-45	Fluorides (as total F) Phosphorus (total)							
LCL-50	PM10 - Particulate matter	4				500		
LCL-52	Chlorides (as total CI)			<del></del>	-			
Chlorinated a	Total nitrogen nd brominated organic substances							
107-06-2	1,2-Dichloroethane	1A	10,000				1.0%	
79-00-5	1,1,2-Trichloroethane	1A	10,000				1.0%	
71-55-6 79-34-5	1,1,2,2-Tetrachloroethane	1A	10,000				1.0%	
79-34-5 75-01-4	Vinyl chloride (Chloroethylene)	1A 1A	10,000				1.0%	
79-01-6	Trichloroethylene	1A	10,000				1.0%	
127-18-4	Tetrachloroethylene	1A	10,000				1.0%	
75-09-2 67-66-3	Dichloromethane / methylene dichloride  Trichloromethane / Chloroform	1A 1A	10,000 10,000				1.0% 1.0%	
56-23-5	Tetrachloromethane / Carbon tetrachloride	1A	10,000				1.0%	
12002-48-1	Trichlorobenzenes							-
1163-19-5 LCL-55	Decabromodiphenyl ether Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and	1A	10,000				1.0%	
85535-84-8	deca-BDE) Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes,	1A	10,000				1.0%	
87-86-5	C10-13, chloro Pentachlorophenol (PCP)		-,					
LCL-60 87-68-3	Halogenated organic compounds (as AOX)  Hexachlorobutadiene (HCBD)							
		210						

Pollutant		Thresholds	s, Canada: NPRI					
CAS Number Ozone depleti	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
LCL-62	Hydrochlorofluorocarbons (HCFCs)							
LCL-02	nyurociiioroiluorocarboiis (neres)							
LCL-63	Chlorofluorocarbons (CFCs)							
LCL-65	Halons							
Greenhouse g								
124-38-9 74-82-8	Carbon dioxide  Methane							
10024-97-2	Nitrous oxide							
LCL-66	Hydrofluorocarbons (HFCs)							
LCL-67	Perfluorocarbons (PFCs)							
2551-62-4	Sulphur hexafluoride (SF6)							
Other gases							<u> </u>	-
7664-41-7	Ammonia (NH3)	1A	10,000				1.0%	
LCL-69	Chlorine and inorganic compounds (as HCI)	1A	10,000				1.0%	
75-21-8	Ethylene oxide	1A	10,000				1.0%	
630-08-0	Carbon monoxide	4	-,			20,000		
LCL-70	Fluorine and inorganic compounds (as HF)	4				20.000		
11104-93-1 2025-88-4	Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2)	4				20,000		
	natic hydrocarbons (PAHs)					_0,000		
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)							
120-12-7	Anthracene	1A	10,000				1.0%	
91-20-3	Naphthalene	1A	10,000				1.0%	
Other organic 75-05-8	Acetonitrile	1A	10,000				1.0%	
107-02-8	Acrolein	1A 1A	10,000				1.0%	
79-06-1	Acrylamid	1A	10,000				1.0%	
79-10-7	Acrylic acid and its water-soluble salts	1A	10,000				1.0%	
80-62-6 107-13-1	Methyl methacrylate Acrylonitrile	1A 1A	10,000 10,000				1.0% 1.0%	
75-07-0	Acetaldehyde	1A	10,000				1.0%	
62-53-3	Aniline	1A	10,000				1.0%	
92-52-4 98-82-8	Biphenyl (1,1-biphenyl) Cumene (1-methylethylbenzene)	1A 1A	10,000 10,000				1.0% 1.0%	
110-54-3	n-Hexane	1A	10,000				1.0%	
71-43-2	Benzene	1A	10,000				1.0%	
100-41-4	Ethylbenzene Toluene	1A	10,000				1.0%	
108-88-3 1330-20-7	Xylene (mixed isomers)	1A 1A	10,000 10,000				1.0%	
106-99-0	1,3-Butadiene	1A	10,000				1.0%	
75-15-0	Carbon disulfide / Carbon disulphide	1A	10,000				1.0%	
101-68-8 110-80-5	Methylenebis(phenylisocyanate) (MDI)  2-Ethoxyethanol / ethylene glycol monoethyl ether	1A 1A	10,000 10,000				1.0%	
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether  Methoxyethanol / ethylene glycol monomethyl ether	1A 1A	10,000				1.0%	
50-00-0	Formaldehyde	1A	10,000				1.0%	
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	1A	10,000				1.0%	
111-15-9 101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	1A 1A	10,000				1.0%	
LCL-91	Organotin compounds (as total Sn)							
LCL-92 LCL-93	Tributyltin and compounds Triphenyltin and compounds							
LCL-94	Phenols (as total C)							
108-95-2	Phenol	1A	10,000			-	1.0%	-
117-81-7 84-74-2	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate	1A 1A	10,000 10,000				1.0%	
100-42-5	Styrene Styrene	1A	10,000				1.0%	
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	1A	10,000				1.0%	
LCL-100	Non-methane volatile organic compounds (NMVOC)  Total organic coshop (TOC) (se total C or COD (2)							
LCL-107	Total organic carbon (TOC) (as total C or COD/3)  ces of plant protection products or biocidal products	1						
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)							
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU							
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)		· · · · · · · · · · · · · · · · · · ·		-		· · · · · · · · · · · · · · · · · · ·	
122-34-9 1582-09-8	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine )							
470-90-8	Chlorfenvinphos							
2921-88-2	Chlorpyrifos					-		
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-		_		_	_	_	_
608-73-1	methano-2,4,3-benzodioxathiepine 3-oxide 1,2,3,4,5, 6-hexachlorocyclohexane (HCH)							
34123-59-6	Isoproturon							

Pollutant		Thresholds,	EU: E-PRTF	₹	Thresholds, I	Kiev Protoc	col Impleme	entation Guidelir	nes
CAS Number	Pollutant Name	Release to Air (kg/year)	Water	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
Persistent Org	ganic Pollutants (POPs)  Aldrin	1	1	1	1	1	1	1	
57-74-9	Chlordane	1		1		1			1
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane	1				1			1
60-57-1 72-20-8	Dieldrin Endrin	1		<u>1</u>		1	<u>1</u> 1	1	1
76-44-8	Heptachlor	1		1		1			1
2385-85-5	Mirex	1	1	1	1	1	1	1	1
8001-35-2	Toxaphene	1	1	1	1	1	1	1	1
319-84-6 319-85-7	alpha-hexachlorocyclohexane beta-hexachlorocyclohexane								
58-89-9	Lindane / gamma-hexachlorocyclohexane	1	1	1	1	1	1	1	1
143-50-0	Chlordecone	1		1		1	1		1
608-93-5	Pentachlorobenzene	1		<u>1</u>		1			
118-74-1 1336-36-3	Hexachlorobenzene (HCB) Polychlorinated biphenyls (PCBs)	10				0			-
36355-01-8	Hexabromobiphenyl	0							
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)								
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)								
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)								
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)								
5436-43-1	Tetrabromodiphenyl ether								
60348-60-9	Pentabromodiphenyl ether								
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl								
	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)			0	0		0	0	(
LCL-2 Metals	Polychlorinated dioxins and furans (as TEF)	0	) 0	0	0	0	0	0	
LCL-5	Antimony and compounds (as Sb)								
LCL-7	Arsenic and compounds (as As)	20	) 5	5	20	5	5	50	50
LCL-10	Cadmium and compounds (as Cd)	10	) 5	5	10	5	5	5	5
LCL-14	Chromium and chromium(III) compounds (as Cr)								
LCL-15	Chromium(VI) compounds (as Cr)								
LCL-17	Cobalt and compounds (as Co)								
LCL-19	Copper and compounds (as Cu)	100	50	50	100	50	50	10,000	500
LCL-21	Lead and compounds as (Pb)	200	) 20	20	200	20	20	50	50
LCL-24	Manganese and compounds (as Mn)								
LCL-26	Mercury and compounds (as Hg)	10	) 1	1	10	1	1	5	5
LCL-28	Nickel and compounds (as Ni)	50	20	20	50	20	20	10,000	500
LCL-30	Selenium and compounds (as Se)								
LCL-32	Zinc and compounds (as Zn)	200	100	100	200	100	100	10,000	1,000
Inorganic subs	stances								
1332-21-4	Asbestos (friable)	1	1	1	1	1	1	10,000	10
LCL-42	Cyanide (inorganic) compounds (as CN)		- 00	50		50	50		500
74-90-8 LCL-43	Hydrogen cyanide Fluorides (as total F)	200		2,000	200	2,000	2,000	10,000 10,000	10,000
LCL-45	Phosphorus (total)								10,000
LCL-50	PM10 - Particulate matter	50,000	-	-	50,000	-	-	#	
LCL-52 LCL-53	Chlorides (as total CI) Total nitrogen	-	- 2,000,000 - 50,000				2,000,000 50,000	10,000 10,000	2,000,000
	nd brominated organic substances	_	50,000	50,000	<u> </u>	30,000	30,000	10,000	10,000
107-06-2	1,2-Dichloroethane	1,000	) 10	10	1,000	10	10	10,000	100
79-00-5	1,1,2-Trichloroethane								
71-55-6 79-34-5	1,1,1-trichloroethane 1,1,2,2-Tetrachloroethane	100 50			100 50			10,000 10,000	1,000
75-01-4	Vinyl chloride (Chloroethylene)	1,000				10			100
79-01-6	Trichloroethylene	2,000	) 10	-	2,000	-	-	10,000	1,000
127-18-4 75-09-2	Tetrachloroethylene Dichloromethane / methylene dichloride	2,000 1,000			2,000 1,000	10		-,	1,000
67-66-3	Trichloromethane / Chloroform	500			500	- 10			1,000
56-23-5	Tetrachloromethane / Carbon tetrachloride	100	) 1	-	100	-	-	10,000	1,000
12002-48-1	Trichlorobenzenes  Decahremediahanul other	10	) 1	-	10	-		10,000	1,000
1163-19-5 LCL-55	Decabromodiphenyl ether Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and		. 1	1	-	1	1	10,000	
	deca-BDE)							*	
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes,	-	. 1	1	-	1	1	10,000	1
85535-84-8 87-86-5 LCL-60	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro Pentachlorophenol (PCP) Halogenated organic compounds (as AOX)	10		1	10	1 1,000	1	10,000	1,00

Pollutant		Thresholds, I	U: E-PRTR		Thresholds, M	liev Protoc	ol Impleme	entation Guidelin	ies
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Land	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
Ozone depletii	ng substances								
LCL-62	Hydrochlorofluorocarbons (HCFCs)	1	-	-	1	-	-	10,000	100
LCL-63	Chlorofluorocarbons (CFCs)	1	-	-	1	-	-	10,000	100
LCL-65	Halons	1	-	-	1	-	-	10,000	100
Greenhouse ga	ases (GHGs)								
124-38-9	Carbon dioxide	100,000,000	-		100,000,000	-	-		-
74-82-8 10024-97-2	Methane Nitrous oxide	100,000 10,000	<u>-</u>		100,000 10,000	-	<u>-</u>		
LCL-66	Hydrofluorocarbons (HFCs)	100	-	-	100	-	-	#	-
LCL-67	Perfluorocarbons (PFCs)	100	-	-	100	-	-	#	-
2551-62-4	Sulphur hexafluoride (SF6)	50	-	-	50	-	-	#	-
Other gases									
7664-41-7	Ammonia (NH3)	10,000	-		10,000	-	-	10,000	-
LCL-69	Chlorine and inorganic compounds (as HCI)	10,000	-	-	10,000	-	-	10,000	-
75-21-8	Ethylene oxide	1,000	10	10	1,000	10	10	10,000	100
630-08-0	Carbon monoxide	500,000	-	-	500,000	-	-	#	-
LCL-70	Fluorine and inorganic compounds (as HF)	5,000	-		5,000	-	-	,	-
11104-93-1 2025-88-4	Nitrogen oxides (NOx/NO2) Sulphur oxides (SOx/SO2)	100,000 150,000			100,000 150,000				
	matic hydrocarbons (PAHs)	100,000			100,000			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)	50	5	5	50	5	5	50	50
120-12-7	Anthracene	50	1	1	50	1	1	50	50
91-20-3	Naphthalene	100	10	10	100	10	10	10,000	100
Other organic									
75-05-8 107-02-8	Acrolein Acrolein								
79-06-1	Acrylamid								
79-10-7	Acrylic acid and its water-soluble salts								
80-62-6	Methyl methacrylate								
107-13-1	Acrylonitrile								
75-07-0 62-53-3	Acetaldehyde Aniline								
92-52-4	Biphenyl (1,1-biphenyl)								
98-82-8	Cumene (1-methylethylbenzene)								
110-54-3	n-Hexane	4.000	000	200	4.000	000	200	40.000	0.000
71-43-2 100-41-4	Benzene Ethylbenzene	1,000	200 200	200 200	1,000	200	200 200	10,000 10,000	2,000 2,000
108-88-3	Toluene	-	200		-	200	200		2,000
1330-20-7	Xylene (mixed isomers)	-	200		-	200	200		2,000
106-99-0	1,3-Butadiene								
75-15-0 101-68-8	Carbon disulfide / Carbon disulphide  Methylenebis(phenylisocyanate) (MDI)								
110-88-8	2-Ethoxyethanol / ethylene glycol monoethyl ether								
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether								
50-00-0									
110-49-6	Formaldehyde								
	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate								
111-15-9 101-14-4	Formaldehyde  2-Methoxyethanol acetate / 2-methoxyethyl acetate  2-Ethoxyethanol acetate / 2-ethoxyethyl acetate  4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-								
111-15-9 101-14-4	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane		50	50		50	50	10,000	50
111-15-9	Formaldehyde  2-Methoxyethanol acetate / 2-methoxyethyl acetate  2-Ethoxyethanol acetate / 2-ethoxyethyl acetate  4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-	-			-	50 1	50 1		50 5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93	Formaldehyde  2-Methoxyethanol acetate / 2-methoxyethyl acetate  2-Ethoxyethanol acetate / 2-ethoxyethyl acetate  4,4'-Methylene-bis(2-chloronalilne) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane  Organotin compounds (as total Sn)  Tributyltin and compounds  Triphenyltin and compounds	-	1 1	1 1	-	1 1	1 1	10,000 10,000	5 5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94	Formaldehyde  2-Methoxyethanol acetate / 2-methoxyethyl acetate  2-Ethoxyethanol acetate / 2-ethoxyethyl acetate  4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane  Organotin compounds (as total Sn)  Tributyltin and compounds  Triphenyltin and compounds  Phenols (as total C)	-	1	1 1	•	1	1	10,000 10,000	5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol	-	1 1 20	1 1	-	1 1 20	1 1 20	10,000 10,000 10,000	5 200
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94	Formaldehyde  2-Methoxyethanol acetate / 2-methoxyethyl acetate  2-Ethoxyethanol acetate / 2-ethoxyethyl acetate  4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane  Organotin compounds (as total Sn)  Tributyltin and compounds  Triphenyltin and compounds  Phenols (as total C)	-	1 1	1 1	-	1 1	1 1	10,000 10,000 10,000	5 5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5	Formaldehyde  2-Methoxyethanol acetate / 2-methoxyethyl acetate  2-Ethoxyethanol acetate / 2-ethoxyethyl acetate  4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane  Organotin compounds (as total Sn)  Tributyltin and compounds  Triphenyltin and compounds  Phenols (as total C)  Phenol  Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate  Dibutyl phthalate  Styrene	-	1 1 20	1 1	-	1 1 20	1 1 20	10,000 10,000 10,000 10,000	5 5 200 100
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-95	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	10	1 1 20 1	1 1 20 1	10	1 20 1	1 20 1	10,000 10,000 10,000 10,000 10,000	5 200
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-95 LCL-100	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4-4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC)	100,000	1 1 20 1	1 1 20 1	100,000	1 20 1	1 1 20 1 1	10,000 10,000 10,000 10,000 10,000 #	5 5 200 100
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-195 LCL-100 LCL-107	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC) Total organic carbon (TOC) (as total C or COD/3)	10	1 1 20 1	1 1 20 1	10	1 20 1	1 20 1	10,000 10,000 10,000 10,000 10,000 10,000 #	5 5 200 100
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-195 LCL-100 LCL-107	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4.4"-Methylene-bis(2-chloroaniline) (MOCA) / 3,3"-dichloro-4,4"-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC) Total organic carbon (TOC) (as total C or COD/3) Inces of plant protection products or biocidal products	100,000	1 20 1 1 1 50,000	1 1 20 1	100,000	1 20 1	1 1 20 1 1	10,000 10,000 10,000 10,000 10,000 10,000 ###	5 5 200 100
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-100 LCL-100 LCL-107 Active substant 15972-60-8 330-54-1	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'- diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC) Total organic carbon (TOC) (as total C or COD/3) Ces of plant protection products or biocidal products Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide) Diuron (3-{3,4-dichlorophenyl}-1,1-dimethylurea) / DCMU	10	1 20 1 1 1 50,000	1 1 20 1 1 -	10	1 20 1 1 - 50,000	1 1 20 1 1 -	10,000 10,000 10,000 10,000 10,000 # ## 10,000 10,000	5 5 200 100 5 - - 5 5 5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-100 LCL-107 Active substan 15972-60-8 330-54-1 1912-24-9	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC) Total organic carbon (TOC) (as total C or COD/3) Ices of plant protection products or biocidal products Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide) Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	100,000	1 1 20 1 1 - 50,000 1 1 1 1	1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100,000	1 1 20 1 1 - 50,000	1 1 20 1 1 - - 1 1	10,000 10,000 10,000 10,000 10,000 ### 10,000 10,000 10,000	5 5 200 100 5 - - - 5 5 5 5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-100 LCL-107 Active substant 15972-60-8 330-54-1 1912-24-9 122-34-9	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4-4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC) Total organic carbon (TOC) (as total C or COD/3) nces of plant protection products or biocidal products Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)ucetanilide) Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU Atrazine (2-chloro-4-ethylamino)-isopropylamino-1,3,5-triazine) Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)	- - 100,000 - - - -	1 1 20 1 1 - 50,000 1 1 1 1 1	1 1 20 1 1 	100,000	1 1 20 1 1 - 50,000	1 1 20 1 1 - - - 1 1 1	10,000 10,000 10,000 10,000 10,000 ### 10,000 10,000 10,000 10,000	5 5 200 100 5 5 - - - 5 5 5 5 5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-100 LCL-107 Active substan 15972-60-8 330-54-1 1912-24-9	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC) Total organic carbon (TOC) (as total C or COD/3) Ices of plant protection products or biocidal products Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide) Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	100,000	1 1 20 1 1 50,000 1 1 1 1 1 1	1 1 20 1 1 	100,000	1 1 20 1 1 - 50,000	1 1 20 1 1 - - 1 1	10,000 10,000 10,000 10,000 10,000 # ## 10,000 10,000 10,000 10,000	5 5 200 100 5 5 - - - 5 5 5 5 5 5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-95 LCL-100 LCL-107 Active substan 15972-60-8 330-54-1 1912-24-9 122-34-9 1582-09-8	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4-4-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC) Total organic carbon (TOC) (as total C or COD/3) Ices of plant protection products or biocidal products Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide) Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU Atrazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine) Chlorfenvinphos Chlorpyrifos	- - 100,000 - - - - -	1 1 20 1 1 50,000 1 1 1 1 1 1	1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100,000	1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 20 1 1 - - - 1 1 1 1 1	10,000 10,000 10,000 10,000 10,000 # ## 10,000 10,000 10,000 10,000 10,000	5 5 200 100 5 5 - - - 5 5 5 5 5 5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-95 LCL-100 LCL-107 Active substan 15972-60-8 330-54-1 1912-24-9 1582-09-8 470-90-8	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC) Total organic carbon (TOC) (as total C or COD/3) Ices of plant protection products or biocidal products Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide) Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU Atrazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) Trifluralin (a, a, a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine) Chlorfenvinphos Chlorpyrifos Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-	- 100,000 - 100,000 	1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- - - 100,000 - - - - -	1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10,000 10,000 10,000 10,000 10,000 ### 10,000 10,000 10,000 10,000 10,000 10,000 10,000	5 5 2000 1000 5 5 5 5 5 5 5 5 5
111-15-9 101-14-4 LCL-91 LCL-92 LCL-93 LCL-94 108-95-2 117-81-7 84-74-2 100-42-5 LCL-95 LCL-100 LCL-107 Active substan 15972-60-8 330-54-1 1912-24-9 1582-09-8 470-90-8 2921-88-2	Formaldehyde 2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate 4-4-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane Organotin compounds (as total Sn) Tributyltin and compounds Triphenyltin and compounds Phenols (as total C) Phenol Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate Styrene Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) Non-methane volatile organic compounds (NMVOC) Total organic carbon (TOC) (as total C or COD/3) Ices of plant protection products or biocidal products Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide) Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU Atrazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine) Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine) Chlorfenvinphos Chlorpyrifos	- 100,000 - 100,000 	1 20 1 1 50,000 1 1 1 1 1 1 1	1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100,000	1 1 20 50,000 - 1 1 1 1 1 1 1 1 1 1 1	1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000	5 5 200 100 5 5 - - - 5 5 5 5 5 5

Pollutant		Thresholds	s, Japan: PR	TR	Thresholds, US	: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	anic Pollutants (POPs)				45	45	45		
309-00-2 57-74-9	Aldrin Chlordane				45 5	45 5	45 5		
50-29-3 60-57-1	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane Dieldrin								
72-20-8	Endrin								
76-44-8 2385-85-5	Heptachlor Mirex				5	5	5	#	
8001-35-2	Toxaphene				5	5	5		
319-84-6 319-85-7	alpha-hexachlorocyclohexane beta-hexachlorocyclohexane				11,340	11,340	4,536	0.1%	
58-89-9 143-50-0	Lindane / gamma-hexachlorocyclohexane Chlordecone				11,340	11,340	4,536	0.1%	
608-93-5	Pentachlorobenzene				5	5	5		
118-74-1 1336-36-3	Hexachlorobenzene (HCB) Polychlorinated biphenyls (PCBs)	1	1,000	1%	5 5	5 5	<u>5</u>		
36355-01-8	Hexabromobiphenyl		.,,	.,,,				т_	
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)								
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)								
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)								
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)								
5436-43-1	Tetrabromodiphenyl ether								
60348-60-9	Pentabromodiphenyl ether								
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl	I	1,000	1%					
LCL-2	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid) Polychlorinated dioxins and furans (as TEF)				0	0	0	‡	
Metals									
LCL-5	Antimony and compounds (as Sb)	I	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-7	Arsenic and compounds (as As)	ı	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-10	Cadmium and compounds (as Cd)	S	500	0%	11,340	11,340	4,536	1.0%	
LCL-14	Chromium and chromium(III) compounds (as Cr)	ı	1,000	1%				1.0%	
LCL-15	Chromium(VI) compounds (as Cr)	S	500	0%	11,340	11,340	4,536	0.1%	
LCL-17	Cobalt and compounds (as Co)	I	1,000	1%	11,340	11,340	4,536		
LCL-19	Copper and compounds (as Cu)	I	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-21	Lead and compounds as (Pb)	S	500	0%	45	45	45	·	
LCL-24	Manganese and compounds (as Mn)	I	1,000	1%	11,340	11,340	4,536		
LCL-26	Mercury and compounds (as Hg)	I	1,000	1%		5	5	•	
LCL-28	Nickel and compounds (as Ni)	S	500	0%	-	11,340	4,536		
LCL-30	Selenium and compounds (as Se)		1,000	1%	11,340	11,340	4,536		
LCL-32	Zinc and compounds (as Zn)	I	1,000	1%	11,340	11,340	4,536	1.0%	
Inorganic subs	Asbestos (friable)	S	500	0%	11,340	11,340	4,536	0.1%	
LCL-42	Cyanide (inorganic) compounds (as CN)	ı	1,000	1%	11,340	11,340	4,536	1.0%	
74-90-8	Hydrogen cyanide				11,340	11,340	4,536		
LCL-43 LCL-45	Fluorides (as total F) Phosphorus (total)	I	1,000	1%					
LCL-50 LCL-52	PM10 - Particulate matter Chlorides (as total Cl)								
LCL-53	Total nitrogen								
Chlorinated ar 107-06-2	nd brominated organic substances 1,2-Dichloroethane	I	1,000	1%	11,340	11,340	4,536	0.1%	
79-00-5	1,1,2-Trichloroethane	İ	1,000	1%	11,340	11,340	4,536	1.0%	
71-55-6 79-34-5	1,1,2-trichloroethane 1,1,2,2-Tetrachloroethane		1,000	1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
75-01-4	Vinyl chloride (Chloroethylene)	S	500	0%	11,340	11,340	4,536	0.1%	
79-01-6 127-18-4	Trichloroethylene Tetrachloroethylene	I I	1,000 1,000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
75-09-2 67-66-3	Dichloromethane / methylene dichloride Trichloromethane / Chloroform	I	1,000 1,000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	0.1% 0.1%	
56-23-5	Tetrachloromethane / Carbon tetrachloride	I	1,000	1%	11,340	11,340	4,536		
12002-48-1 1163-19-5	Trichlorobenzenes Decabromodiphenyl ether		1,000 1,000	1% 1%	11,340	11,340	4,536	1.0%	
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)	<u> </u>	1,000	1 /0	11,040	11,040	-1,000	1.070	
85535-84-8	Geta-Bue; Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	I	1,000	1%	11,340	11,340	4,536	1.0% or 0.1% (	).1% de minir
87-86-5	Pentachlorophenol (PCP)	I	1,000	1%	11,340	11,340	4,536	0.1%	
LCL-60 87-68-3	Halogenated organic compounds (as AOX) Hexachlorobutadiene (HCBD)				11,340	11,340	4,536	1.0%	
			222						

Pollutant		Thresholds	s, Japan: PF	TR.	Thresholds, US	: TRI			
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
Ozone depleti									
LCL-62	Hydrochlorofluorocarbons (HCFCs)								
LCL-63	Chlorofluorocarbons (CFCs)								
LCL-65	Halons								
Greenhouse g									
124-38-9 74-82-8	Carbon dioxide  Methane								
10024-97-2	Nitrous oxide								
LCL-66	Hydrofluorocarbons (HFCs)								
LCL-67	Perfluorocarbons (PFCs) Sulphur hexafluoride (SF6)								
Other gases	Sulphur revalidative (Sta)								
7664-41-7	Ammonia (NH3)				11,340	11,340	4,536	1.0%	
LCL-69	Chlorine and inorganic compounds (as HCl)				11,340	11,340	4,536	1.0%	
75-21-8	Ethylene oxide	S	500	0%	11,340	11,340	4,536	0.1%	
630-08-0	Carbon monoxide								
LCL-70 11104-93-1	Fluorine and inorganic compounds (as HF)  Nitrogen oxides (NOx/NO2)								
2025-88-4	Sulphur oxides (NOX/NO2)								
	matic hydrocarbons (PAHs)								
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)								
120-12-7	Anthracene	I	1,000	1%	11,340	11,340	4,536	1.0%	
91-20-3	Naphthalene	I	1,000	1%	11,340	11,340	4,536	0.1%	
Other organic 75-05-8	Acetonitrile	1	1,000	1%	11,340	11,340	4,536	1.0%	
107-02-8	Acrolein		1,000	1%	11,340	11,340	4,536	1.0%	
79-06-1	Acrylamid	i	1,000	1%	11,340	11,340	4,536	0.1%	
79-10-7	Acrylic acid and its water-soluble salts		1,000	1%	11,340	11,340	4,536	1.0%	
80-62-6 107-13-1	Methyl methacrylate Acrylonitrile		1,000 1,000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 0.1%	
75-07-0	Acetaldehyde	i	1,000	1%	11,340	11,340	4,536	0.1%	
62-53-3	Aniline	I	1,000	1%	11,340	11,340	4,536	1.0%	
92-52-4 98-82-8	Biphenyl (1,1-biphenyl)  Cumene (1-methylethylbenzene)		1,000 1,000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
110-54-3	n-Hexane	i	1,000	1%	11,340	11,340	4,536	1.0%	
71-43-2	Benzene	S	500	0%	11,340	11,340	4,536	0.1%	
100-41-4 108-88-3	Ethylbenzene		1,000	1%		11,340	4,536	0.1%	
1330-20-7	Toluene Xylene (mixed isomers)		1,000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
106-99-0	1,3-Butadiene	S	500	0%	11,340	11,340	4,536	0.1%	
75-15-0	Carbon disulfide / Carbon disulphide	<u> </u>	1,000	1%		11,340	4,536	1.0%	
101-68-8 110-80-5	Methylenebis(phenylisocyanate) (MDI)  2-Ethoxyethanol / ethylene glycol monoethyl ether		1,000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	i	1,000	1%	11,340	11,340	4,536	1.0%	
50-00-0	Formaldehyde	S	500	0%	11,340	11,340	4,536	0.1%	
110-49-6 111-15-9	2-Methoxyethanol acetate / 2-methoxyethyl acetate 2-Ethoxyethanol acetate / 2-ethoxyethyl acetate		1,000 1,000	1% 1%					
	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-	<u>'</u>				44.040	4 500	0.40/	
101-14-4	diaminodiphenylmethane		1,000	1%	·	11,340	4,536	0.1%	
LCL-91 LCL-92	Organotin compounds (as total Sn) Tributyltin and compounds	I	1,000	1%					
LCL-92 LCL-93	Triphenyltin and compounds								
LCL-94	Phenols (as total C)								
108-95-2	Phenol  Di (2 anti-ul berryl) abbbellete (DEUD) / bie/2 anti-ulberryl) abbbellete		1,000	1%	11,340	11,340	4,536	1.0%	
117-81-7 84-74-2	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate	<del>                                     </del>	1,000	1% 1%		11,340 11,340	4,536 4,536	0.1% 1.0%	
100-42-5	Styrene	i	1,000	1%	11,340	11,340	4,536	0.1%	
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	1	1,000	1%					
LCL-100 LCL-107	Non-methane volatile organic compounds (NMVOC)  Total organic carbon (TOC) (as total C or COD/3)								
	nces of plant protection products or biocidal products								
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	I	1,000	1%	11,340	11,340	4,536	1.0%	
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU		1,000	1%		11,340	4,536	1.0%	
1912-24-9 122-34-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine) Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)		1,000 1,000	1% 1%	11,340 11,340	11,340 11,340	4,536 4,536	1.0% 1.0%	
1582-09-8	Trifluralin ( $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)	<u> </u>	1,000	1%		45	4,530	1.078	
470-90-8	Chlorfenvinphos								
2921-88-2	Chlorpyrifos  Endosulphan / 6 7 8 9 10 10 heyachloro 1 5 5a 6 9 9a heyahydro 6 9a	1	1,000	1%					
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	- 1	1,000	1%					
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)								
000-73-1									

Pollutant		# Facilities	Reportin	g Polluta	nt		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI		EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
	ganic Pollutants (POPs)										
309-00-2 57-74-9	Aldrin Chlordane			10 0		<u>4</u> 15			0		••
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane			2					•		
60-57-1 72-20-8	Dieldrin Endrin			14 8					••		
76-44-8	Heptachlor			1		13			•		••
2385-85-5 8001-35-2	Mirex Toxaphene			3		12			•		••
319-84-6	alpha-hexachlorocyclohexane					0					0
319-85-7 58-89-9	beta-hexachlorocyclohexane Lindane / gamma-hexachlorocyclohexane			9		6			•		••
143-50-0	Chlordecone			0					0		
608-93-5 118-74-1	Pentachlorobenzene Hexachlorobenzene (HCB)	2	232	11 3		18 76	•	••	••		••
1336-36-3	Polychlorinated biphenyls (PCBs)	0	202	111	3,045	90	0		••	•••	••
36355-01-8	Hexabromobiphenyl			3					•		
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)										
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)										
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)										
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)										
5436-43-1	Tetrabromodiphenyl ether										
60348-60-9	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl										
LCL-2	fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid) Polychlorinated dioxins and furans (as TEF)	867	243	246	1	1,087	••	••	••	•	•••
Metals	r Orychiolinated dioxins and Turans (as TET)	007	240	240		1,007					
LCL-5	Antimony and compounds (as Sb)	337	72		659	461	••	••		•••	•••
LCL-7	Arsenic and compounds (as As)	1,143	298	936	3,121	331	••	•••	••	•••	•••
LCL-10	Cadmium and compounds (as Cd)	1,080	377	577	3,116	85	••	•••	••	•••	••
LCL-14	Chromium and chromium(III) compounds (as Cr)	1,194	389		4,029		••	•••		•••	
LCL-15	Chromium(VI) compounds (as Cr)	654	193		3,556		••	••		•••	
LCL-17 LCL-19	Cobalt and compounds (as Co)  Copper and compounds (as Cu)	470 1,223	97 464	1,108	396	1,689	••	••	••	••	•••
LCL-21	Lead and compounds as (Pb)	1,223	674	814	3,369		•••	•••	••	•••	
LCL-24	Manganese and compounds (as Mn)	663	523			1,648	••	•••		•••	•••
LCL-26	Mercury and compounds (as Hg)	1,223	300	900		1,156	•••	•••	••	•••	•••
LCL-28	Nickel and compounds (as Ni)	1,191	327	1,512	1,043	1,115	••	•••	•••	•••	•••
LCL-30	Selenium and compounds (as Se)	288	42		3,061	117	••	••		•••	••
LCL-32	Zinc and compounds (as Zn)	800	537	2,307	3,827	2,919	••	•••	•••	•••	•••
Inorganic subs	stances										
1332-21-4	Asbestos (friable)		67	102	70	38		••	••	••	••
LCL-42	Cyanide (inorganic) compounds (as CN)	65	33	196	3,283	201	••	••	••	•••	•••
74-90-8 LCL-43	Hydrogen cyanide Fluorides (as total F)	1,026	6	71 462	3,675	89	••	••	••	•••	••
LCL-45	Phosphorus (total)	381		1,553	0,010		••		•••		
LCL-50 LCL-52	PM10 - Particulate matter Chlorides (as total Cl)	1,932	3,393	565 578			•••	•••	••		
LCL-52 LCL-53	Total nitrogen	384		1,530			••		•••		
	nd brominated organic substances				0.155				-		
107-06-2 79-00-5	1,2-Dichloroethane 1,1,2-Trichloroethane	121 109	31 2	68	3,105 3,036	62 23	••	••	••	•••	••
71-55-6	1,1,1-trichloroethane			28	3,030	31			••	•••	••
79-34-5 75-01-4	1,1,2,2-Tetrachloroethane Vinyl chloride (Chloroethylene)	0 125	<u>0</u>	5 40	41	17 44	••	••	•	••	••
79-01-6	Trichloroethylene	113	26	48	3,515	260	••	••	••	•••	•••
127-18-4 75-09-2	Tetrachloroethylene Dichloromethane / methylene dichloride	116 134	31 39	62 189	3,274 4,335	253 302	••	••	••	•••	•••
67-66-3	Trichloromethane / Chloroform	123	13	123	269	83	••	••	••	••	••
56-23-5 12002-48-1	Tetrachloromethane / Carbon tetrachloride Trichlorobenzenes		2	42 35	3,050 10	46		••	••	•••	••
1163-19-5	Decabromodiphenyl ether		5	55	66	113		••		••	••
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)			13					••		
85535-84-8 87-86-5	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro Pentachlorophenol (PCP)		1	15 24	3	21 31		••	••	••	••
87-86-5 LCL-60	Halogenated organic compounds (as AOX)			373	U				••	0	••
87-68-3	Hexachlorobutadiene (HCBD)			11		8			••		••

Pollutant		# Facilities	Reportin	g Polluta	nt		Reporting	Score			
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
Ozone depleti LCL-62	Hydrochlorofluorocarbons (HCFCs)			621					••		
LCL-02	Tryurocinorotations (neres)			021					••		
LCL-63	Chlorofluorocarbons (CFCs)			288					••		
LCL-65	Halons			11					••		
Greenhouse ga	ases (GHGs) Carbon dioxide			2,924					•••		
74-82-8	Methane			1,634					•••		
10024-97-2	Nitrous oxide			638					••		
LCL-66	Hydrofluorocarbons (HFCs)			247					••		
LCL-67	Perfluorocarbons (PFCs)			47					••		
2551-62-4	Sulphur hexafluoride (SF6)			36					••		
Other gases 7664-41-7	Ammonia (NH3)			5,798		2,315					
		255	457				••	•••	•••		•••
LCL-69	Chlorine and inorganic compounds (as HCI)	355	157	449		791	••	••	••		••
75-21-8 630-08-0	Ethylene oxide  Carbon monoxide	2,038	2,808	10 560	201	116	•	•••	••	••	••
LCL-70	Fluorine and inorganic compounds (as HF)	2,030	2,000	284					••		
11104-93-1	Nitrogen oxides (NOx/NO2)	1,956	3,637	2,717			•••	•••	•••		
2025-88-4	Sulphur oxides (SOx/SO2) matic hydrocarbons (PAHs)	1,961	818	1,323			•••	•••	•••		
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)			196					••		
120-12-7	Anthracene		27	62	25	72		••	••	••	••
91-20-3	Naphthalene		85	139	271	1,204		••	••	••	•••
Other organic		110	- 10		200	404					
75-05-8 107-02-8	Acetonitrile Acrolein	110	12 12		288 9	124 106	••	••		••	••
79-06-1	Acrylamid	8	4		108	75	•	••		••	••
79-10-7	Acrylic acid and its water-soluble salts	11	8		227	184	•	••		••	•••
80-62-6 107-13-1	Methyl methacrylate Acrylonitrile	15 116	22 7		315 153	296 99	••	••		••	•••
75-07-0	Acetaldehyde	135	59		62	388	••	••		••	•••
62-53-3 92-52-4	Aniline Biphenyl (1,1-biphenyl)	10	21		85 36	47 106	•	••		••	••
98-82-8	Cumene (1-methylethylbenzene)	19 840	23 30		113	320	••	••		••	•••
110-54-3	n-Hexane	571	468		16,234	1,261	••	•••		•••	•••
71-43-2	Benzene	687 721	352 251	395 91	18,959 17,660	941	••	•••	••	•••	•••
100-41-4 108-88-3	Ethylbenzene Toluene	923	702		21,091		••	•••	•••	•••	•••
1330-20-7	Xylene (mixed isomers)	1,064	687		22,297	2,112	••	•••	••	•••	•••
106-99-0 75-15-0	1,3-Butadiene	158 130	59 42		52 37	194 138	••	••		••	•••
101-68-8	Carbon disulfide / Carbon disulphide  Methylenebis(phenylisocyanate) (MDI)	7	64		500	0	•	•••		••	0
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	1	6		199	24	•	••		••	••
109-86-4 50-00-0	Methoxyethanol / ethylene glycol monomethyl ether Formaldehyde	377	518		138 705	21 654	•	•••		•••	•••
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate	0	0		22	004	0	0		••	
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	1	2		138		•	••		••	
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	0	1		63	20	0	••		••	••
LCL-91	Organotin compounds (as total Sn)	8		4	165		•		•	••	
LCL-92 LCL-93	Tributyltin and compounds Tributyltin and compounds	<u> </u>		6 5					•		
LCL-93 LCL-94	Triphenyltin and compounds Phenols (as total C)			411					•		
108-95-2	Phenol	165	72		602	578	••	••		•••	•••
117-81-7 84-74-2	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate Dibutyl phthalate	8 5	29 15	301	704 236	191 102	•	••	••	•••	•••
100-42-5	Styrene Styrene	179	178		731	1,272	••	••		•••	•••
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)		43	264	0			••	••	0	
LCL-100 LCL-107	Non-methane volatile organic compounds (NMVOC)  Total organic carbon (TOC) (as total C or COD/3)			909 1,925					•••		
	Total organic carbon (TOC) (as total C or COD/3)  nces of plant protection products or biocidal products			1,923							
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)			4	3	5			•	••	••
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU			86	40	19			••	••	••
1912-24-9 122-34-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine) Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)	<del> </del>		6 8	3,031	22 6			•	•	••
1582-09-8	Trifluralin ( $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)			1	3	30			·	••	••
470-90-8	Chlorienvine			1					•		
2921-88-2	Chlorpyrifos Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-			0	2				0	•	
115-29-7	methano-2,4,3-benzodioxathiepine 3-oxide			2	0				•	0	
608-73-1 34123-59-6	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)	<b> </b>		5 42					•		
34123-39-0	Isoproturon	1		42			<u> </u>		••		

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## Activities that Require Reporting of Part 3 Chemicals under the Canadian NPRI

<b>Employee Threshold?</b>	Activity
	• Non-hazardous solid waste incineration of $\geq$ 26 tons of waste, including
	conical burners and beehive burners
Employee Threshold	• Biomedical or hospital waste incineration of $\geq$ 26 tons of waste
Does Not Apply	<ul> <li>Hazardous waste incineration</li> </ul>
	<ul> <li>Sewage sludge incineration</li> </ul>
	Wood preservation using pentachlorophenol
	Base metals smelting (copper, lead, nickel or zinc only)
	<ul> <li>Smelting of secondary aluminum</li> </ul>
	<ul> <li>Smelting of secondary lead</li> </ul>
	<ul> <li>Manufacturing of iron using a sintering process</li> </ul>
	<ul> <li>Operation of electric arc furnaces in steel foundries</li> </ul>
	<ul> <li>Operation of electric arc furnaces in steel manufacturing</li> </ul>
	<ul> <li>Production of magnesium</li> </ul>
Employee Threshold	<ul> <li>Manufacturing of Portland cement</li> </ul>
Applies	<ul> <li>Production of chlorinated organic solvents or chlorinated monomers</li> </ul>
	• Combustion of fossil fuel in a boiler unit, with a nameplate capacity of $\geq 25$
	megawatts of electricity, for the purpose of producing steam for the
	production of electricity
	<ul> <li>Combustion of hog fuel originating from logs that were transported or stored</li> </ul>
	in salt water in the pulp and paper sector
	<ul> <li>Combustion of fuel in kraft liquor boilers used in the pulp and paper sector</li> </ul>
	Titanium dioxide pigment production using the chloride process