



Impacts of PRTR Reporting in Canada

Environment and Climate
Change Canada

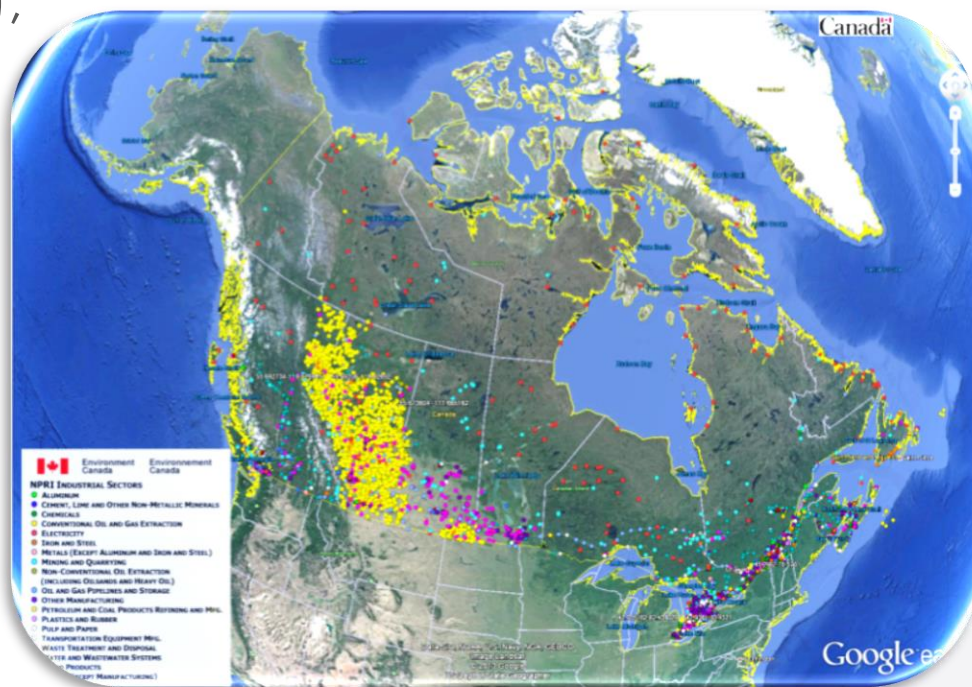


Outline

- Introduction to the NPRI
- Tools for accessing NPRI data
- How does the Government of Canada use PRTR data?
- How do Canadians benefit from the NPRI?
- How do industries benefit from the NPRI?

What is the National Pollutant Release Inventory?

- [The National Pollutant Release Inventory](#) (NPRI) is Canada's Pollutant Release and Transfer Register;
- It falls under the *Canadian Environmental Protection Act, 1999*, and is implemented by Environment and Climate Change Canada (ECCC);
- Collects data from over
- 7000 Canadian facilities;
- The NPRI covers releases, disposals and transfers for recycling of over 300 substances;
- The NPRI **does not** cover greenhouse gas (GHGs);
- [ECCC has a GHGs inventory similar to the NPRI.](#)



Tools for Accessing NPRI Data

[NPRI Online Query Tool](#)

Quick, easy to find information on a particular facility.

[Predefined Queries](#)

Aggregated data by substance, industrial sector, quantity and province.

[NPRI Map Layers for Use in Google Earth™](#)

Explore NPRI data in an intuitive and visual way.

[MS Excel or CSV Files – Tabular Data](#)

Most common fields in a simplified spreadsheet format.

The screenshot displays the 'Facility Search' page of the NPRI On-line Facility Data Search. The interface includes a search bar, a sidebar with navigation links, and a main content area with predefined queries and a map. The predefined queries listed are:

- Total On-line Releases, by Substance Name
- Total On-line Releases, by Industrial Sector
- Highest On-line Substance Released, by Quantity
- Highest On-line Substance Released, by Province

Below the map, there is a table titled 'Inventaire national des rejets de polluants 2014 / National Pollutant Release Inventory 2014'. The table columns include: Avenir, ID NPRI, Région, Région Sociale, Nom de l'Installation, Ville, CSD, and API ou PIR. The table lists 34 entries, all for Alberta Pacific Forest Industries Inc. in Alberta.

Avenir	ID NPRI	Région	Région Sociale	Nom de l'Installation	Ville	CSD	API ou PIR
7	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
8	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
9	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
10	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
11	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
12	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
13	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
14	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
15	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
16	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
17	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
18	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
19	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
20	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
21	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
22	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
23	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
24	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
25	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
26	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
27	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
28	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
29	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
30	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
31	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
32	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
33	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
34	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	
35	2004	AB	1 Alberta Pacific Forest Industries Inc.	Alberta Pacific Forest Industries Inc.	County of Athabasca	Athabasca County No. 12	

Tools for Accessing NPRI Data

[MS Excel or CSV files – Bulk Data](#)

Analyze the grouped data by sets for releases, disposals and transfers for all reporting years.

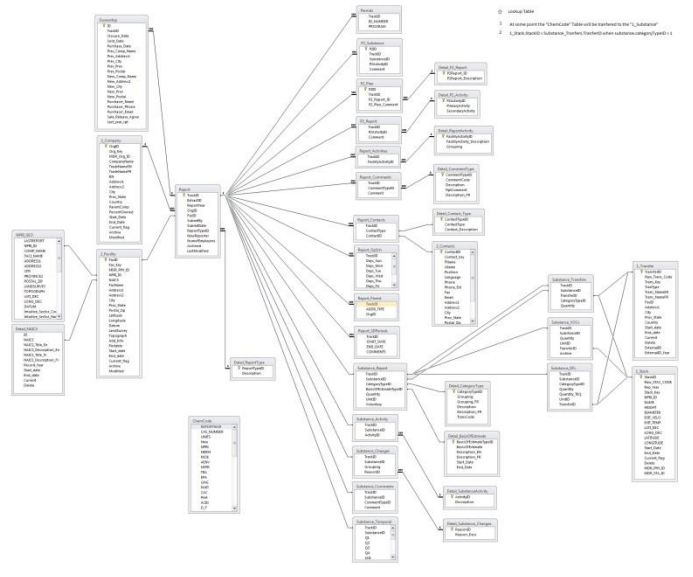
[NPRI Database \(on demand\)](#)

Useful for custom analysis for “technical” users.

- Tutorials are available for the following tools:

- Online query tool and pre-defined queries;
- Map layers with Google Earth; and
- CSV or MS Excel tabular files.

Reporting Yr	Yr	NRRI	Facility Name	Company	AMS	Division	FAC	Substance No.	Substance Name	Release No.	Category	Amount (kg)	Category (I)	Unit	Release (kg)
2004	2004	1	ALBERTA PACIFIC ALBERTA PACIFIC	32210 AB	MA-10	Phenol	10000	Phenol	10000	01-01	Chimie	10000	10000	kg	M3
2004	2004	1	ALBERTA PACIFIC ALBERTA PACIFIC	32210 AB	MA-10	Phenol	10000	Phenol	10000	01-01	Chimie	10000	10000	kg	M3
2004	2004	1	ALBERTA PACIFIC ALBERTA PACIFIC	32210 AB	MA-10	Phenol	10000	Phenol	10000	01-01	Chimie	10000	10000	kg	M3
2004	2004	1	ALBERTA PACIFIC ALBERTA PACIFIC	32210 AB	MA-10	Phenol	10000	Phenol	10000	01-01	Chimie	10000	10000	kg	M3
2004	2004	1	ALBERTA PACIFIC ALBERTA PACIFIC	32210 AB	MA-10	Phenol	10000	Phenol	10000	01-01	Chimie	10000	10000	kg	M3



Tools for Accessing NPRI Data – Visits and Downloads

- The tools for accessing NPRI data are popular among NPRI data users to complete analyses.

Tool	Visits	Downloads
Online Query	Unavailable at this time	N/A
Predefined Queries	482	475
Map Layers	1 798	1 176
Tabular Data	1 000	740
Bulk Data	943	974*

*Individual files are offered for geolocation and substance releases, disposals and transfers for recycling.

How does the Government of Canada Use NPRI Data?

- The NPRI is a key resource for identifying and monitoring sources of pollution in Canada and it's a starting point for better understanding how pollutants are entering the Canadian environment. The Government of Canada uses NPRI data to:
 - Identify pollution prevention priorities;
 - Support assessment and risk management of chemicals and air quality modelling;
 - Supports initiatives such as the [Chemicals Management Plan](#) and the [Air Quality Management System](#);
 - Improve public understanding; and
 - Support annual international reporting requirements.
- [Data from the NPRI help track pollution patterns and trends across Canada](#)

How do Canadians Benefit From the NPRI?

- Public “right-to-know” (transparency) is a fundamental underlying principle of the NPRI.
- The NPRI:
 - Identifies the facilities and pollutants in their community;
 - Raises awareness on environmental issues; and
 - Supports research completed by various levels of academia.
- The NPRI is adopting the knowledge-on-demand paradigm and is working on developing a project portfolio to translate our data into more understandable interpretations of risk, impact and priorities. This represents :
 - An important opportunity to guide users towards correct interpretations of NPRI data; and
 - A more efficient way to reach objectives of identifying priorities for pollution prevention and improving public understanding.

Project Portfolio: Communication and Outreach (1)

- NPRI University Challenge (pilot year on-going)
 - Inspired by the Environmental Protection agency's (EPA) Toxics Release Inventory (TRI) University Challenge
 - Aims to increase awareness of NPRI data within academic communities and expose new audiences to NPRI data, tools and analysis
 - The challenge being put to the academic community is to generate innovative products, activities, recommendations, or research that improves the understandability, accessibility, awareness and usability of NPRI data

Project Portfolio: Communication and Outreach (2)

- NPRI Sector Overview Series
 - Industry-specific factsheets that showcase NPRI data while providing background on innovative sectors
 - Currently available: [Wastewater sector overview](#)
 - Upcoming sector overviews: Aluminum, electricity, metal ore mining and oil sands extraction
- NPRI Data Integration Series
 - Showcases linkages between NPRI data and other environmental datasets.
 - Upcoming factsheet: Water Quality
- Partnerships with museums
- Booths at festivals and conferences

How do Industries benefit from the NPRI?

- Facilities benefit from the NPRI. Advantages include:
 - Encourage actions to reduce the release of pollutants into the environment;
 - [Pollution prevention](#) plans and activities improve processes and reduces cost, making them more efficient and competitive.
 - Strengthen their corporate image; and
 - Enhance their relationship with communities
 - Environmental sustainability leads to social and economic benefits.
 - Engagement of Indigenous peoples and other key stakeholders.
- The NPRI provides industry with a strong support system so:
 - They know whether they need to report to the NPRI;
 - They know how to compile and obtain the required data; and
 - Their reporting burden is minimized.

Helpdesk support

- NPRI staff provide support to facilities via email and telephone
 - Typical requests received include:
 - Technical questions;
 - Electronic reporting system questions;
 - Requests for access to reporting system.
 - Response time:
 - Service standard is three business days;
 - Usually able to respond within the same day.
 - Correspondence tracked in Client Relationship Management database (i.e., Microsoft Dynamics)
-

Development of an Electronic Reporting System

- The development of a “One stop shop” for federal and provincial reporting requirements has allowed for a more efficient and effective reporting process for industry.
- Supports the shared interest across jurisdictions in tracking and reporting progress on the reduction of GHGs emissions and pollutant releases.
- Guiding principles:
 - Streamline facility reporting and reducing reporting burden and cost;
 - Real-time access to raw, unaltered information;
 - Secure data collection, storage and dissemination;
 - Data exchange standards that enable efficient linkages/integration with other North American reporting systems;
 - Reporting interface and platform flexible to meet reporting needs; and
 - User access and availability of reporting in English and French.

How does an Electronic Reporting System Reduce Reporting Burden?

Three Ways to reduce the reporting burden for industry and governments



Tombstone information: Users only provide their administrative information once for all programs in the reporting system (company's name, address, contacts, phone numbers etc.).



Data is carried over from another program or from another year as necessary: Users can copy a previous year's report into their current report (pre-fill functionality).

Users can use the pre-populate functionality so the data submitted to provinces is copied into their federal report where applicable.



Harmonization of Regulatory Reporting Requirements: Provincial reporting requirements are largely harmonized with the ECCC Reporting Program; therefore, only one module is used to report to the provincial government and ECCC.

Contact the NPRI

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