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Environment and
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For help with accessing
this document, email
NEI_Help@epa.gov.

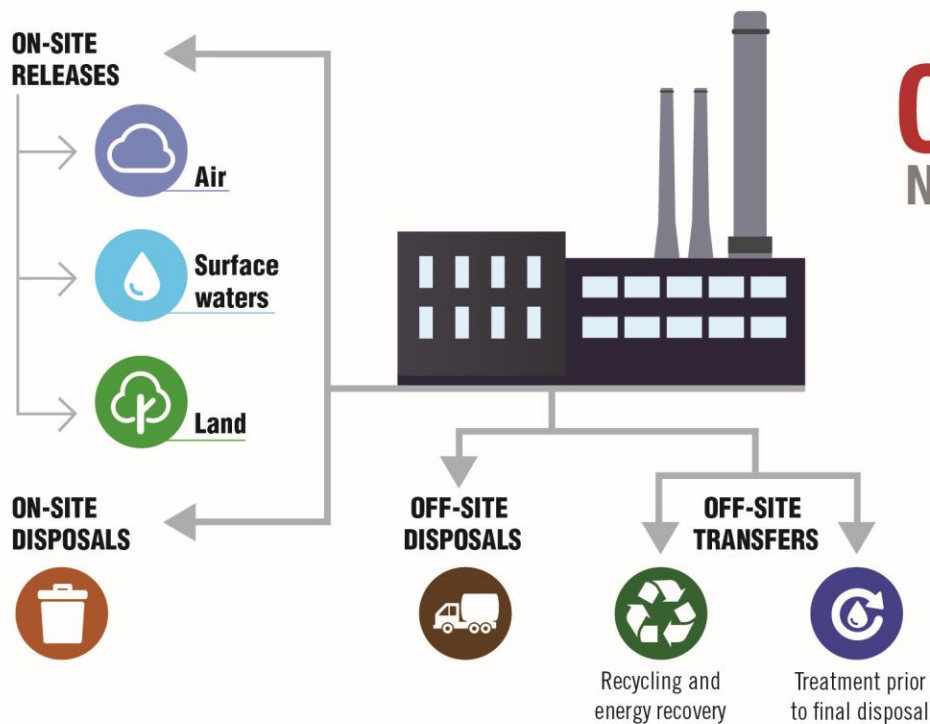
THE NATIONAL POLLUTANT RELEASE INVENTORY: OVERVIEW AND WHAT'S NEW

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Environment and Climate Change
Canada
September 28, 2023



Canada 

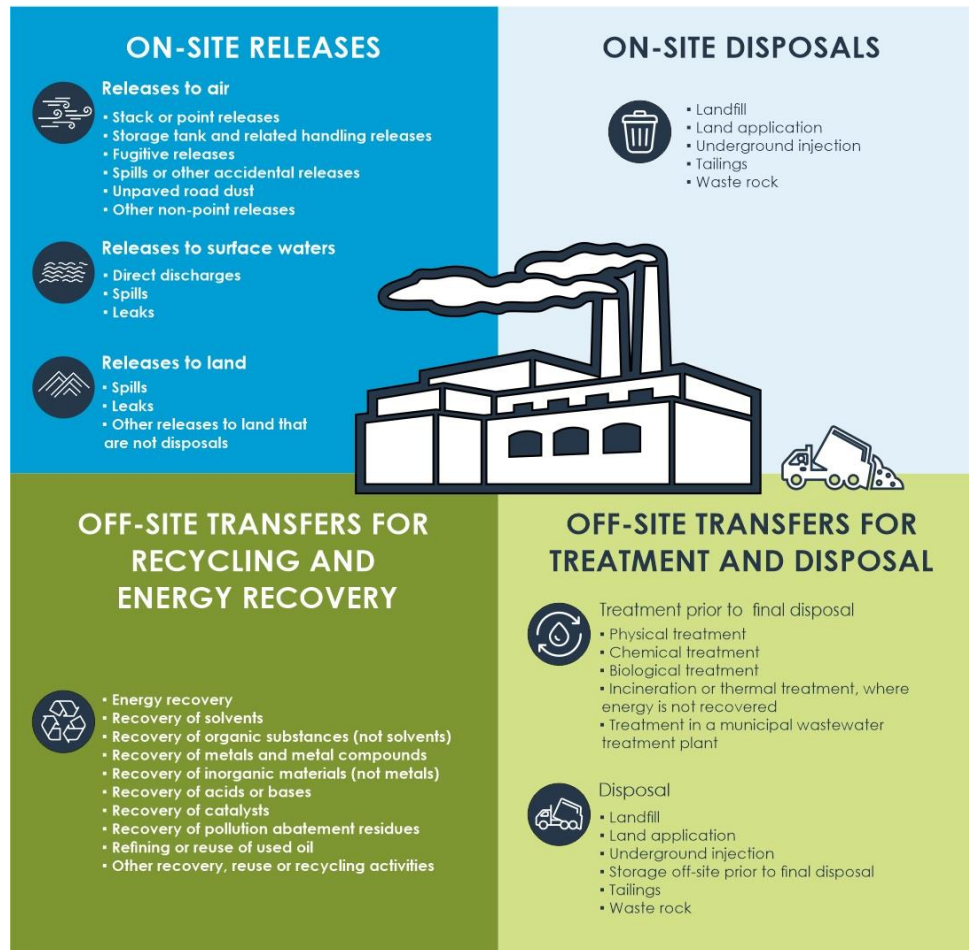
What is the NPRI?



CANADA'S NATIONAL POLLUTANT RELEASE INVENTORY

*INFORMATION WE COLLECT
AND PUBLISH FROM
INDUSTRY*

What information do we collect?



About our website



Government
of Canada

Gouvernement
du Canada



MENU ▾

[Canada.ca](#) > [Environment and natural resources](#) > [Pollution and waste management](#)

National Pollutant Release Inventory

Guidance and tools on reporting to the inventory, accessing, analyzing and downloading data.



Note

Reviewed NPRI data is now available up to 2021. You can download the data from our [Explore Data page](#).

Preliminary 2022 NPRI data is now available on the [NPRI Dashboard](#) and [NPRI data search](#) and will be updated periodically over the summer during the [annual quality control \(QC\) process](#). Reviewed 2022 NPRI data will be made available late fall.

For technical support to access the data, please email us at inrp-npri@ec.gc.ca.

Services and information

[Reporting to the NPRI](#)

Facilities, reporting requirements, deadlines, guidance, legal requirements, toolbox, Single Window.

[Video tutorials](#)

Data users, how to use, map layers, tabular data, excel format, access NPRI data, query site.

[Substance lists](#)

Current substance list, changes over time, substance information, Canada Gazette, NPRI notices

[Pollution data and reports](#)

Summary report, Fact sheet, reviewed data, facility.

[Data quality](#)

Accuracy, consistency, comprehensive, data users, data needs, quality.

[About the National Pollutant Release Inventory](#)

Canada's public inventory of pollutant releases, disposals and transfers.

[Using and interpreting NPRI data](#)

Understand data, annual, analyze, understand, risks, calculation methods, quality, factors.

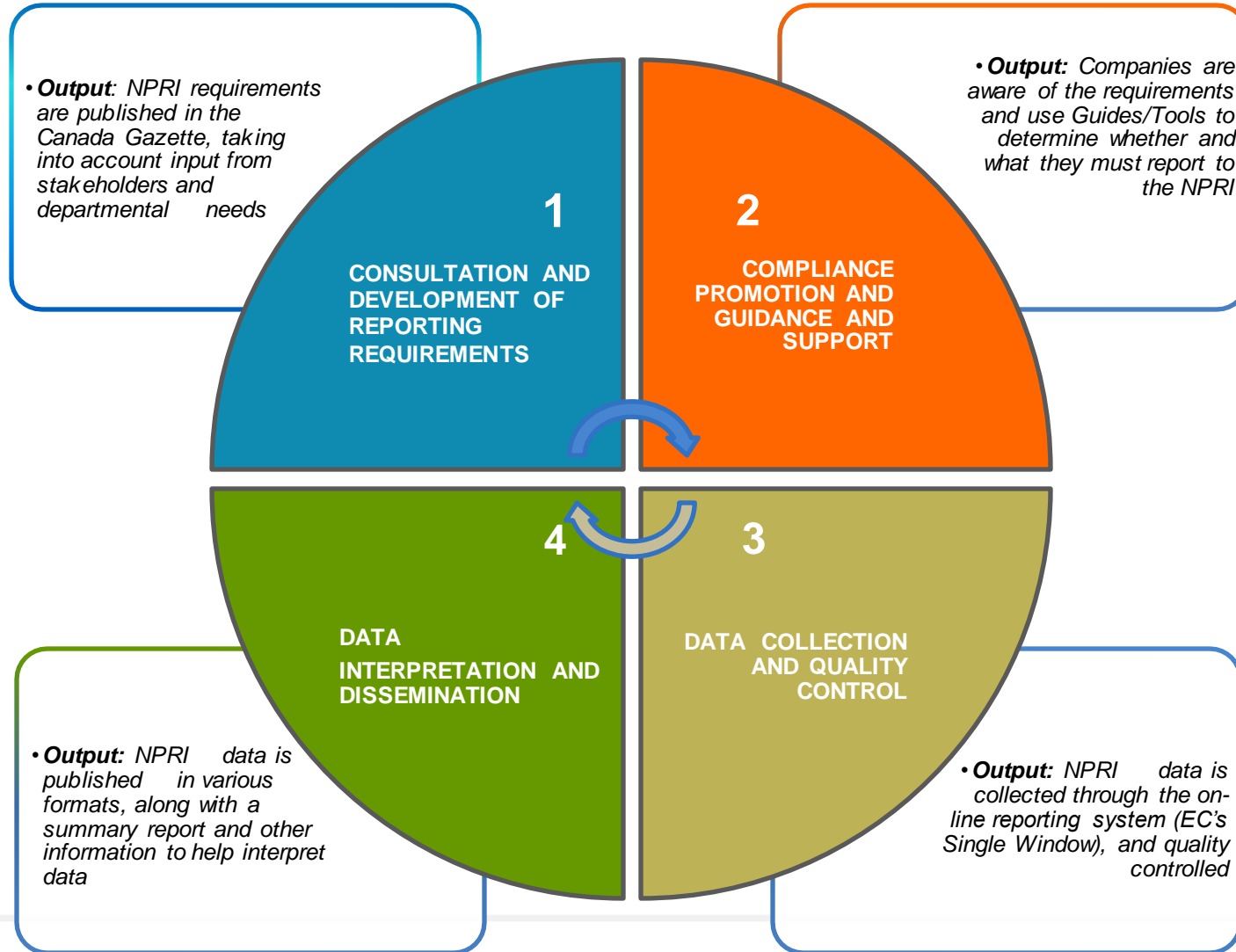
[Consultations](#)

Stakeholders, current, past, consultations, proposals for changes, engagement framework, working group.

[Get involved: partnership and mentorship opportunities](#)

Collaborations with museums, festivals, conferences, students, Indigenous peoples, international organizations and more.

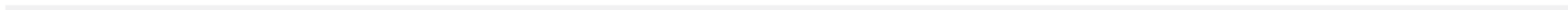
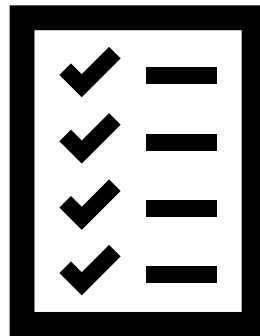
Annual NPRI reporting cycle



What's new?



Recent changes in data collection



Updated user interface

The screenshot displays the National Pollutant Release Inventory (NPRI) Reporting Dashboard. At the top, the header includes the site name, user login information (Signed in as Jen Underhill), and a Sign out button. A navigation menu contains Home, Help, Admin, and Ec.gc.ca. The breadcrumb trail shows the user is in the Reporting Dashboard. A 'Known bugs in the application' link is visible in the top right.

Reporting Dashboard

Informational text provides instructions: To create a report using last year's data, click "+ Prepopulated Report". To start a new, blank substance report or a Does Not Meet Criteria (DNMC) report, or a Sale/Closure/Purchase (SCP) notification, click "+Blank Report". To submit your JSON file for the Bulk Upload, click "+Bulk Upload".

Three buttons are provided: "+ Prepopulated Report", "+ Blank Report", and "+ Bulk Upload".

Filters

Informational text states: Use the fields below to sort and search your Available Reports table.

Filter fields include: Company (required) with a dropdown menu showing "Environment Canada Fontaine 2021-MAR-02", Year (required) with a dropdown menu showing "2022", and Facility Name with a text input field. A Search button is located to the right of the Facility Name field.

A "More options" link is present below the filter fields.

Available Reports

Status	Facility Name	Facility Address	Progress	Version	NPRI ID	Actions
	Demo Test facility	Wishbone Street North, ajax, Alberta, L4N 5R6, Canada	<div style="width: 75%;"><div style="width: 75%;"></div></div> (27/46)	1	99999	
	jen	barrie, Alberta, L6T 5R4, Canada	<div style="width: 33%;"><div style="width: 33%;"></div></div> (3/6)	1		
	PNR	4 Test way, Edmonton, Alberta, T1T 2Q2, Canada	<div style="width: 62.5%;"><div style="width: 62.5%;"></div></div> (13/28)	1		
	Monette Mechanical	45 Alderney Drive, Dartmouth, Nova Scotia, B3A 2K6, Canada	<div style="width: 62.5%;"><div style="width: 62.5%;"></div></div> (26/49)	1		

A "+ Submit report(s)" button is located at the bottom right of the table.

Improved reporting structure

WEM > Welcome > Reporting Dashboard (2022/Environnement Canada Fontaine 2021-MAR-02/Demo Test facility) > Applicable Programs

Reporting Details

- Applicable Programs ✓
- Facility Information ✓
- Contacts ✓
- General Reporting Questions ✓

Substances

- Part 1A substances ✓
- Part 1B substances ⚠
- Part 2 substances ⚠
- Part 3 substances ⚠
- Part 4 substances ⚠
- Part 5 substances ✓

Special Reports

- Pollution Prevention ✓
- Electricity Generating Units ⚠
- Sale, Close or Purchase ⚠
- Report Validation ⚠
- Feedback ✓

Applicable Programs and Type of Report ⓘ

Select all the options that you would like to include in this declaration. Depending on the options chosen, the report structure will adjust once you click "Save".

Inventory Report(s)

- NPRI - National Pollutant Release Inventory
- NERM - Chemistry Industry Association of Canada for the National Emission Reduction Masterplan survey ⓘ
- NFPRER - National Framework for Petroleum Refinery Emission Reductions ⓘ

NPRI - Does Not Meet Criteria (DNMC) Report

- NPRI - Select this option to notify Environment and Climate Change Canada that the facility does not meet the NPRI reporting criteria anymore ⓘ

NPRI - Sale, Closure or Purchase Report

- NPRI - Select this option to notify Environment and Climate Change Canada of a facility sale, closure or purchase

New off-site look-up

Off-site facility details

* Name (required)

* Physical Address (required)

* City (required)

* Province / State (conditionally required)

Postal Code/ZIP Code (A1A 1A1 / 11111)

* Other (conditionally required)

* Country (required)


Latitude

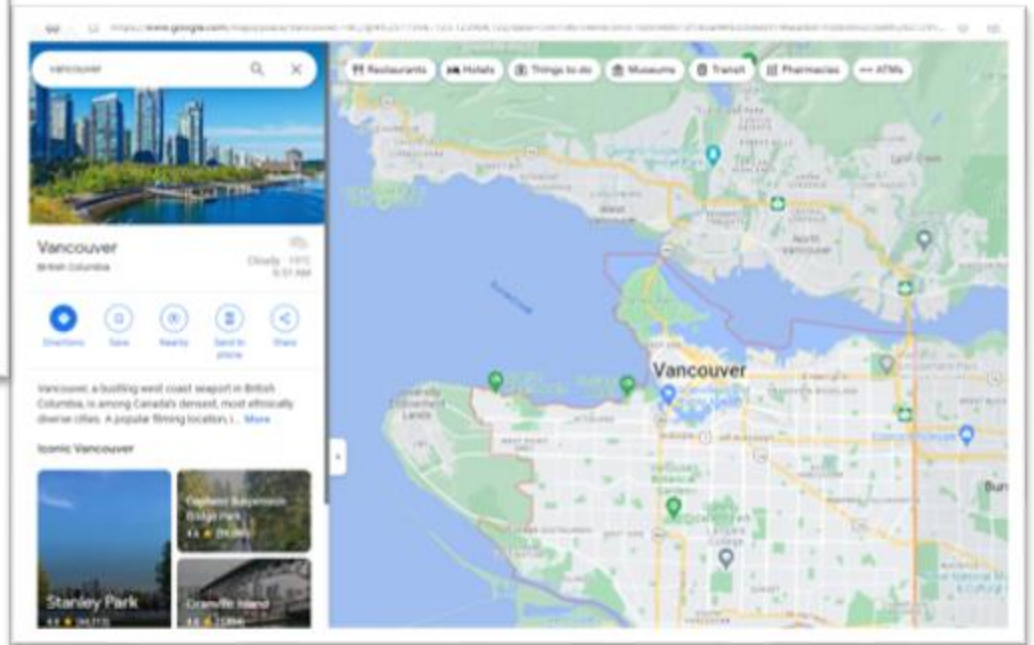
Longitude

National topographic description

Land survey description

Program ID (e.g. NPRI ID)

 Use this [website](#) to visualize the location provided above and confirm the information before adding the new off-site.



New Stack location look-up

Add/Edit a Stack or a Flare

Substance name

Total Particulate Matter

Cas number	NA - M08	Unit	tonnes
Part	4	Threshold	20 tonnes air release / N/A concentration

Stack/Flare Details

* Name (required) 

* Height above grade (m) (required) 

* Equivalent diameter (m) (required) 

* Average exit velocity (m/s) (required) 


* Average exit temperature (°C) (conditionally required) 

* Average exit temperature (°C) is unknown (conditionally required) 

* Latitude (N) (99.99999) (required) 

* Longitude (E) (-999.99999) (required) 



Use this [website](#)  to visualize the location provided above and confirm the information before adding or editing the stack or flare.

Provincial/Territorial Identification Information



Below is the list of Provincial/Territorial Identifier numbers (and their type) already assigned to this stack/flare. If you need to add an identifier, enter the information in the fields below and click "Save"

Internal tool for assisting officials and data management

Operational Worker

In Progress			Ready to submit			Submitted		
2022	2021	2020	2022	2021	2020	2022	2021	2020
501	292	153	80	72	25	8448	8391	7430

Filters

Report Year: 2020 to 2022

NPRI ID:

Report Status: All reports

Company Name: environment canada

Facility Name:

Report ID:

Without a NPRI ID: All reports

Submitted Date: YYYY-MM-DD

Province/Territory: All

Bulk Reports: All reports

Report Type(s)/Program(s): All

- All
- DNMC
- NERM
- NFPRER
- NPRI
- SCP










Clear Search

Reports

Showing 1 to 3 of 3 entries

Show 20 reports per page

Export search results (CSV format)

Report ID	Report Year	NPRI ID	Company Name	Facility Name	Status	Actions
110	2020	18227	Environment Canada	Eureka Weather Station	Submitted (2021-07-27 15:49:43)	  
10985	2021	18227	Environment Canada	Eureka Weather Station	Submitted (2022-05-11 10:38:30)	  
25953	2022	18227	Environment Canada	Eureka Weather Station	Submitted (2023-03-17 08:42:59)	  

Page 1 of 1

Allows real-time browsing of user reports

Reporting Details

- Applicable Programs ✓
- Facility Information ✓
- Contacts ✓
- General Reporting Questions ✓

Substances

- Part 4 substances ✓

Special Reports

- Reasons for adding or removing substances ✓
- Pollution Prevention ✓
- Report Validation ✓
- Feedback ✓

Applicable Programs and Type of Report

Attention

You are presently viewing a report that is submitted.

Select all the options that you would like to include in this declaration. Depending on the options chosen, the report structure will adjust once you click "Save".

Inventory Report(s)

- NPRI - National Pollutant Release Inventory
- NERM - Chemistry Industry Association of Canada for the National Emission Reduction Masterplan survey
- NFPRE - National Framework for Petroleum Refinery Emission Reductions

NPRI - Does Not Meet Criteria (DNMC) Report

- NPRI - Select this option to notify Environment and Climate Change Canada that the facility does not meet the NPRI reporting criteria anymore

NPRI - Sale, Closure or Purchase Report

- NPRI - Select this option to notify Environment and Climate Change Canada of a facility sale, closure or purchase

Previous

Video tutorials

Instructional videos: National Pollutant Release Inventory

About the NPRI

- [The National Pollutant Release Inventory \(NPRI\): an overview](#)

Changes to the NPRI Reporting Requirements

- [Changes to the NPRI reporting requirements and reporting site for 2022 to 2024](#)
- [Pollution Prevention \(P2\) Reporting](#)
- [Substances and Stacks Reporting](#)
- [Electricity Generating Units Reporting](#)
- [Oil and Gas Reporting Changes](#)
- [Changes to the NPRI reporting requirements and reporting site for 2020 and 2021](#)

How to report to the NPRI

- [Instructional videos: Single Window Information Manager](#)
- [How to create and submit an NPRI report using a previous year's report](#)
- [What is a Does Not Meet Criteria \(DNMC\) report and how to submit one to the NPRI](#)
- [What is a Notification of Sale, Closure, or Purchase report and how to submit one to the NPRI](#)
- [How to validate, submit, print, and update NPRI reports](#)



Coming soon: online questions and answers

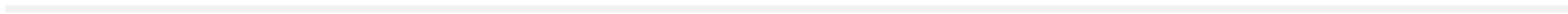
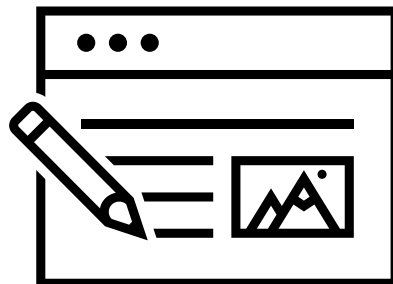
National Pollutant Release Inventory reporting requirements: questions and answers

Filter items

Showing 1 to 10 of 79 entries | Show entries

Question	Answer	Keywords	Category
My facility met all the NPRI criteria for the calendar year but I didn't have any releases or transfers; do I still have to report?	Yes. If you met the criteria then you have to report all releases and transfers, even if they were zero. One of the purposes of the NPRI is to report on-site substances at your facility for the year, even though releases and transfers are zero. The criteria for most substances are based only on quantity manufactured, processed or otherwise used, number of employees and concentration of NPRI substances. The reporting criteria for polycyclic aromatic hydrocarbons (PAHs), dioxins, furans, hexachlorobenzene (HCB) and criteria air contaminants (CACs) are all different and may be activity - or release-based. Once the substance-specific reporting criteria are met, you must report regardless of the quantities released, disposed of or transferred, even if the quantity is zero.	Employee; facility zero release; Gazette Notice; operator; owner; zero releases	Releases/Disposals/Transfers
Our facility closed partway through the calendar year. Are we required to submit an NPRI report?	Yes. If the reporting criteria were met and the facility was in operation during any portion of the calendar year, you are required to report. You should also notify Environment and Climate Change Canada of the facility closure -- this can be done by submitting a Facility Closure (Sale/Close/Purchase) report in the online reporting system. Providing this report will prevent follow-ups in subsequent years to verify compliance.	facility closure	Facility/Company

Publishing and sharing the data



New: Power BI dashboard

National Pollutant Release Inventory Dashboard

On this page

- [How to navigate the dashboard](#)
- [Dashboard on National Pollutant Release Inventory \(NPRI\)](#)
- [Keyboard shortcuts](#)

How to navigate the dashboard

This dashboard can be navigated using a mouse or a keyboard. For mouse users, you can navigate as you would a regular webpage. More information on how to access features using a keyboard only is available in the shortcut section at the bottom of this page.

Dashboard on National Pollutant Release Inventory (NPRI)

NPRI Data Dashboard

Data as of: 2023-07-05

You can access NPRI data in a number of ways; select one of the approaches below to start looking at the data that has been reported between 2013 and 2022.

- Search for facility-level data**
This section allows you to search for a facility in particular and access the detailed information that they reported including the location of the facility, the quantities of all substances that they reported and any pollution prevention plans or activities that they undertook.
- Drill into data by location, sector, substance**
This section allows you to view a summary the NPRI data reported by all facilities and drill into it by selecting substances, locations and/or sectors of interest. Use this section to answer questions such as "which sectors report the most particulate matter?" or "how many facilities in Manitoba reported disposal of lead?".
- View pollution prevention information**
This section allows you to view a summary of the pollution prevention (P2) information reported by all facilities and filter it based on sectors, locations etc. (P2 information for an individual facility can be found by searching for the facility using the "Search for facility-level data").

New: Query Site

National Pollutant Release Inventory data search

Welcome to the new National Pollutant Release Inventory (NPRI) data search tool. You can use this tool to search detailed information on pollutant releases (to air, water and land), disposals and transfers for recycling reported by facilities to the NPRI. You can also use this tool to display facility data by location, sector and substance as well as to view pollution prevention information.

The data presented here is current as of August 17, 2023.

Links to other datasets are available for facilities that also report to the Greenhouse Gas Reporting Program (GHGRP) and the Canadian Nuclear Safety Commission (CNSC) on radionuclides.

search criteria

reporting year from to

company or facility name or NPRI ID

▶ Advanced search

Search

Reset

Pre-defined queries

In response to feedback from NPRI data users, several new pre-defined queries have been added to the Facility data search. These queries show on-site release data broken down by media (air, land and water) for the last five years. (Click to run.)

Predefined queries - by pollutant

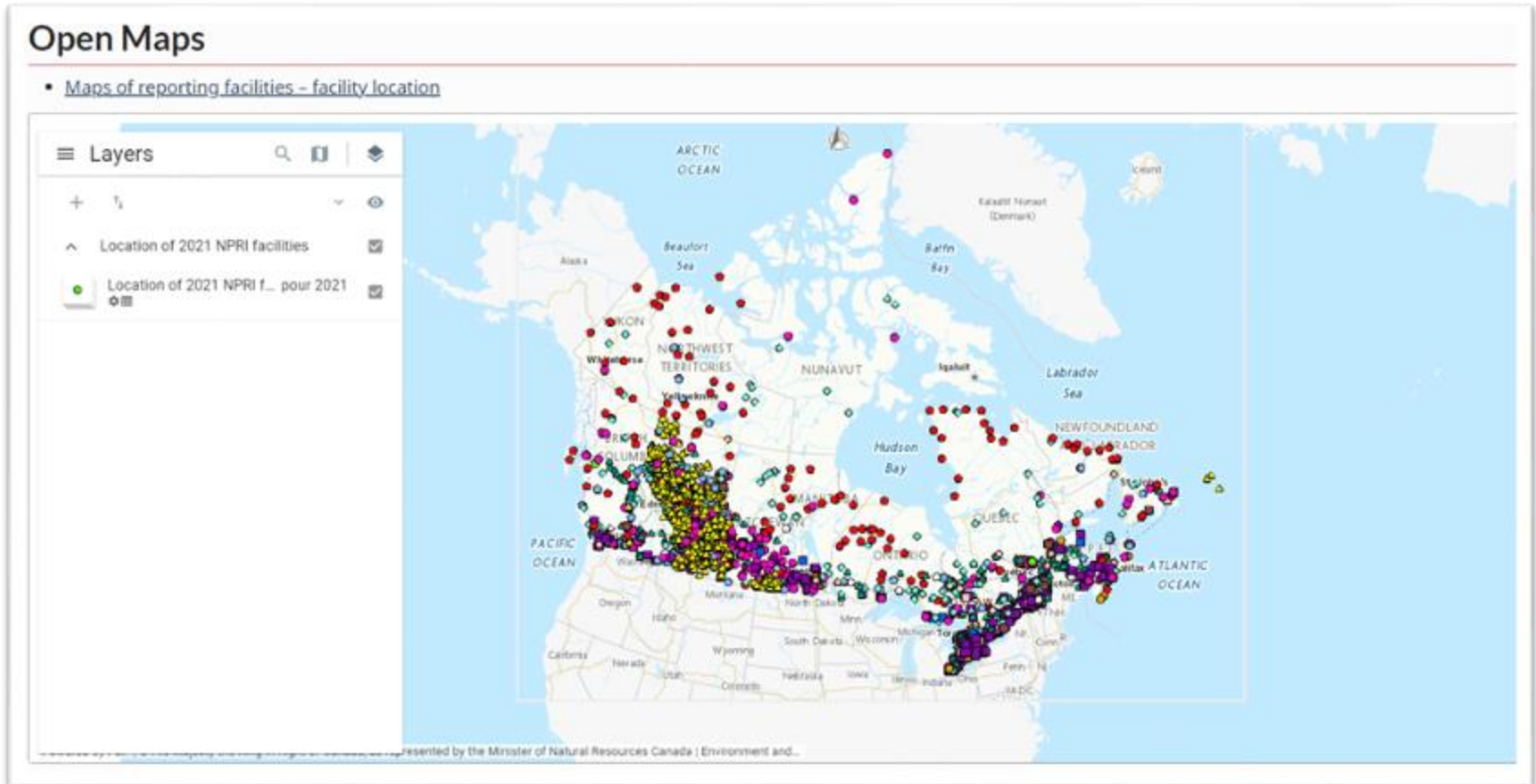
Predefined queries - by industry

Predefined queries - by province

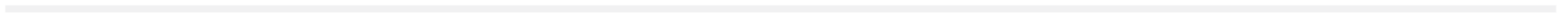
Predefined queries - by watershed

Downloadable datasets

Mapping tools and display



Outreach and collaboration



Ad hoc – Cross Border Transfers

- Collaboration with Commission for Environmental Cooperation (CEC) on North American PRTR Data Quality
 - Work on improving understanding of cross border transfers of NPRI substances to and from the United States
 - Has led to identification of potential non-compliant facilities in Canada (i.e. non-reporting facilities that are receiving above threshold quantities of NPRI substances)
-

Community Involvement

Museums

- The NPRI team collaborates with museums to raise awareness of the impacts of pollutants released into the air, water and land. Examples of activities include:
 - Canada Agriculture and Food Museum
 - An [educational activity kit](#) for high school students that presents the impacts of land cultivation and livestock farming on the environment
 - An exhibition panel on tracking pollutants in Canada for the soil lab

Festivals

- The NPRI team participates in several festivals that promote science to youth across Canada. Examples of festivals include:
 - Festival Eurêka! in Montréal: we hosted a booth with interactive activities to help youth learn about the sources and impacts of water and air pollution
 - Various Canadian science fairs (for example, Expo-sciences): we formed part of a panel of judges to evaluate student science projects
-

Collaboration

Students

- The NPRI team hosts several activities that target students of all ages to increase awareness of pollution and pollution prevention.
- Each year, the NPRI team launches an Academic Challenge aimed at university, college and cégep students. With mentoring from Environment and Climate Change Canada staff, students are challenged to find innovative ways of using and analyzing NPRI data. Learn more or apply to participate in the [Academic Challenge](#).

Indigenous peoples

- The NPRI team aims to initiate discussions between those affected by pollution, researchers and policy-makers about the sources and impacts of pollution near Indigenous communities across Canada. With input from regional organizations, a series of interactive story maps were developed to examine facilities located near Indigenous communities in Québec and the pollutants they report to the NPRI.
-

International and Stakeholders

International collaboration

- The NPRI team plays a key role in advancing the development of Pollutant Release and Transfer Registers (PRTR) internationally, by participating in meetings and mentoring other countries to develop and implement their own PRTR. The team is an active participant in the Organisation for Economic Co-operation and Development's Working Group on Pollutant Release and Transfer Registers. The team also collaborates on a regular basis with the Commission for Environmental Cooperation, which tracks and compares pollutant releases and transfers declared by Canada, Mexico and the United States.

Consultations

- The NPRI team consults with stakeholders regularly to continually improve information products and how they are communicated. The NPRI established a working group comprised of members of environmental non-governmental organizations and community groups, including Indigenous peoples. This engagement helps inform the NPRI's communication for information products and build potential partnerships.
 - The NPRI organizes a biannual workshop for data users to better understand the challenges of compiling and disseminating data as well as identify possible ways of improving the program. Read about the latest consultations on the NPRI's [Consultation and engagement](#) webpage.
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Thank you!

Jennifer Underhill & Anne Monette

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