

# NPRI DATA PRODUCTS: QUICK REFERENCE GUIDE

The National Pollutant Release Inventory (NPRI) contains data on over 300 pollutants released into the air, water and land each year. The information is available in various formats. Below, find the data products that best suits your needs.

**DID YOU KNOW?** All data collected by the NPRI is free, bilingual and available online or for download in various formats.

## OUR MOST POPULAR DATA PRODUCTS:

- NPRI data search
- Online maps
- Virtual Globe
- NPRI Dashboard
- Single-year Tables
- Five-year Summaries

## ARE YOU USING THE MOST RECENT REVIEWED DATA FOR YOUR ANALYSIS?

Go to our "[Explore National Pollutant Release Inventory Data](#)" page to download the latest data.

## NOT SURE WHERE TO START?

Read a variety of [reports](#) that provide high-level analyses of the most recent data, and overviews on different substances and industrial sectors.

Before analyzing the data, please read the [Guide for using and interpreting data](#) to avoid common errors related to double counting, the estimation methods, the unit of measurement used and the specific physical and chemical properties of the substances reported.

## SELECT THE RIGHT DATA PRODUCT FOR YOU!

### BEGINNER

- For all users
- Easy to use and understand

### NPRI data search / Predefined queries

Search detailed information on reported pollutant releases, disposals and transfers for recycling from 1994 to the latest reporting year.

At the bottom of the page, [predefined queries](#) show on-site release data by sector, province or substance.

They are broken down by air, land and water for the last five reporting years.

### Online maps

Interactive map showing location of reporting facilities and latest reporting year data. Click to open online map.

- [Facility location](#)
- [Main air pollutants](#)
- [Other air pollutants](#)
- [Water pollutants](#)
- [Land pollutants](#)
- [Disposals and transfers of pollutants](#)

### Virtual Globe

View facilities reporting to the NPRI, their industrial sector and their high-level data for the two latest reporting years using virtual globe software such as Google Earth™.

Each colored dot represents a sector. You can choose to group by province or by industrial sector.


### NPRI Dashboard

Search data from 2014 to 2023 in visual representations such as interactive maps, graphs and tables.

Search by pollutant, facility, location or industrial sector.

Provide information on pollution prevention activities.

DESCRIPTION

<p><b>FORMATS / APPLICATION REQUIRED</b></p> <p><b>USEFUL TO</b></p> <p><b>LIMITATIONS</b></p> <p><b>HIGH LEVEL HOW-TO USE</b></p>	<ul style="list-style-type: none"> <li>Online.</li> <li>No application required.</li> </ul>	<ul style="list-style-type: none"> <li>Online.</li> <li>No application required.</li> </ul>	<ul style="list-style-type: none"> <li>Downloadable .kmz.</li> <li>Virtual Globe software compatible with the file format, such as Google Earth™.</li> </ul>	<ul style="list-style-type: none"> <li>Online.</li> <li>No application required.</li> </ul>
	<ul style="list-style-type: none"> <li>Find facilities that meet selected search criteria.</li> <li>Find all the information reported by one facility.</li> </ul>	<ul style="list-style-type: none"> <li>View location of reporting facilities.</li> <li>View and compare total data reported by facilities.</li> </ul>	<ul style="list-style-type: none"> <li>View location of reporting facilities within a specific sector or province.</li> <li>View high-level reported data.</li> <li>Find facilities near a point of interest.</li> </ul>	<ul style="list-style-type: none"> <li>View various information on facilities according to the selected criteria, in the form of maps, tables or graphs.</li> </ul>
	<ul style="list-style-type: none"> <li>No data manipulation possible.</li> </ul>	<ul style="list-style-type: none"> <li>Single year.</li> <li>Aggregated total only (no substance breakdown).</li> <li>No data manipulation possible.</li> </ul>	<ul style="list-style-type: none"> <li>Single year at a time.</li> <li>No data manipulation possible (like adding up total for a substance or a sector).</li> </ul>	<ul style="list-style-type: none"> <li>Contains only data from 2014 to 2023.</li> <li>Less efficient functioning on mobile.</li> <li>No data manipulation possible.</li> </ul>
	<ol style="list-style-type: none"> <li>Select the year.</li> <li>Type in the facility name or ID OR select one or more advanced search criteria (e.g. substance, release / disposal / transfer category, location, industry type, etc.).</li> <li>Scroll down and click the "Search" button. *The more criteria you select, the more your search will be refined*.</li> <li>A table with the list of facilities that meets the selected criteria will appear.</li> <li>Click on any displayed facilities to find out more about the reported data. All the substances are also clickable to find more information.</li> </ol>	<ol style="list-style-type: none"> <li>Click on any "facility (dot)" to view the information about the facility.</li> <li>2. Use the search bar to zoom on a city, or region, or by scrolling with panel tool at the bottom right corner.</li> <li>3. Click  to expand the "layers" side pane and to view the legend.</li> </ol>	<ol style="list-style-type: none"> <li>You can search for a specific location by name by using the search bar.</li> <li>You can select one or more provinces or industry types by expanding the folders in "my places" and select/deselect the check boxes.</li> <li>Click on a "facility (dot)" to have more information on pollutant releases, disposals and transfers.</li> <li>Drag and drop the orange Street View icon on the right to see the facility at ground level.</li> </ol>	<ol style="list-style-type: none"> <li>Select one of the proposed approaches.</li> <li>Select one or more fields to display a search result as interactive visuals.</li> <li>Navigate through the maps, charts or trend graphs to get more information about the reported data. You can interact with the different visuals by clicking on the elements that interest you.</li> </ol>

## INTERMEDIATE

- Basic knowledge of spreadsheet application is required

		<u>Single year tables</u>	<u>Five-year summaries</u>
FORMATS / APPLICATION REQUIRED	DESCRIPTION	Data tables for the last three reporting years showing facility name, location, sector and substances released, disposed and transferred.	Summary tables of release data for the past five years, aggregated by province, industry type and substance, and disaggregated by media (air, water and land). The number of facilities represented by each aggregated data point is included.
		<ul style="list-style-type: none"> <li>Downloadable .csv and .xlsx.</li> <li>Spreadsheet application such as MS Excel.</li> </ul>	<ul style="list-style-type: none"> <li>Downloadable .csv.</li> <li>Spreadsheet application such as MS Excel.</li> </ul>
	USEFUL TO	<ul style="list-style-type: none"> <li>Find data reported for a single year.</li> <li>Navigate, sort and filter data depending on your interests.</li> </ul>	<ul style="list-style-type: none"> <li>Find data by province, sector or substance.</li> <li>Analyse data using pivot tables to get high level trends.</li> </ul>
	LIMITATIONS	<ul style="list-style-type: none"> <li>Single year at a time.</li> <li>Cannot be used to generate trends.</li> </ul>	<ul style="list-style-type: none"> <li>Aggregated totals cannot be broken down at the facility level.</li> <li>Release data only (no disposal or recycling data).</li> <li>No substance breakdown for the industry files.</li> </ul>
	HIGH LEVEL HOW-TO USE	<ol style="list-style-type: none"> <li>Use the drop down arrow to sort the data. For example, you can filter by city, by substance or sector.</li> </ol>	<ol style="list-style-type: none"> <li>To convert the data in table form, select cell A1.</li> <li>In home, click "format as table". Select your table style. Make sure all the data is selected, that the "My table has headers" check box is ticked and click "OK".</li> <li>You can now sort and filter the data in the tables using the drop-down filters.</li> </ol>

#### EXPERT

- Advanced knowledge of spreadsheet applications, such as pivot tables, is required

#### All years datasets

DESCRIPTION	<p>Data reported from 1993 (to the latest reporting year) on pollutant quantities, with comments and geolocations.</p> <p>Five bilingual files are available. Each containing a section of reported data for all years.</p>
FORMATS / APPLICATION REQUIRED	<ul style="list-style-type: none"> <li>Downloadable .csv.</li> <li>Spreadsheet application such as MS Excel.</li> </ul>
USEFUL TO	<ul style="list-style-type: none"> <li>Generate trend, graphs and charts.</li> <li>Compare data from year to year.</li> <li>Use with pivot table.</li> </ul>
LIMITATIONS	<ul style="list-style-type: none"> <li>Not much facility information.</li> <li>Risk for errors and misinterpretation. E.g. substances in different units added together, double counting, etc.</li> </ul>
HIGH LEVEL HOW-TO USE	<ol style="list-style-type: none"> <li>After opening the document, you may notice that the data is stored in a single column, separated by commas. If that is the case, convert the data to delimited format: click "data", then select "text to column" in the "data tools" section. Select "delimited" in the pop up window, click next and select "comma" as your separator, then "finish".</li> <li>Format as a table: In home, click "format as table". Select your table style. Make sure all the data is selected, that the check box "My table has headers" is ticked and click "OK".</li> <li>Create a pivot table: select the Cell A1 of your table, click "insert", then "pivot table". Make sure that the table is selected and click "OK".</li> <li>You are ready to generate graphs and tables and perform your analysis using the pivot table.</li> </ol>

## ADDITIONAL DATA PRODUCTS FOR EXPERT USERS

### [NPRI's Complete reported ACCESS database](#)

- Access all information reported to the program.
- Microsoft Access Database knowledge required.
- Generate complex custom queries and find information that is not available in other data products.

### **Other NPRI Files**

- [Download files](#) in ESRI REST, CSV and WMS format to generate map using Arc GIS.
- Arc GIS required.

Please register for our mailing list at [ec.inrp-npri.ec@canada.ca](mailto:ec.inrp-npri.ec@canada.ca) in order to be kept informed of future publications and updates.

For more information, visit [www.canada.ca/npri](http://www.canada.ca/npri).