



Summary of Data Reported for 2015

National Pollutant Release Inventory (NPRI) Fact Sheet

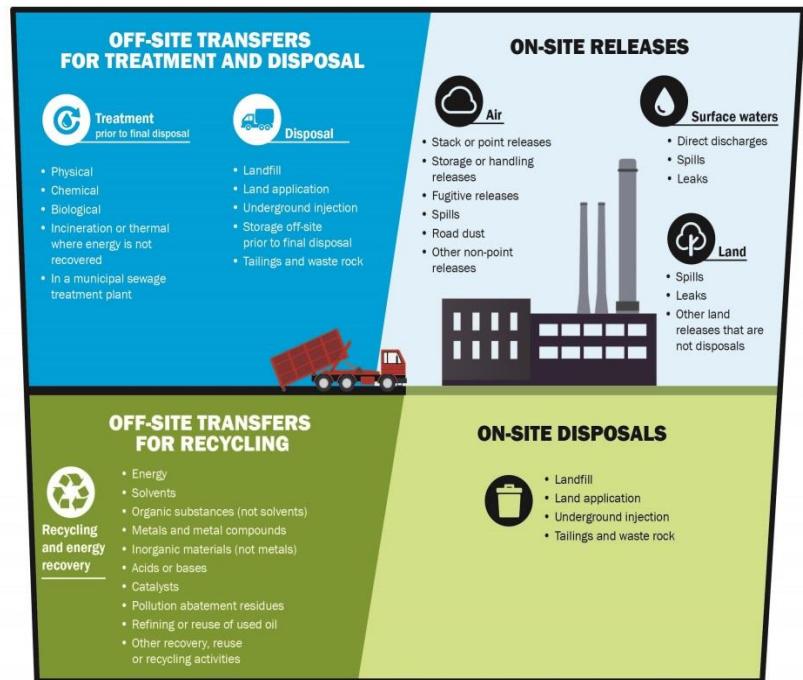
What is the NPRI?

The NPRI is Canada's legally mandated, publicly accessible inventory of annual facility-level pollutant releases to air, water and land, as well as disposals, and off-site transfers. The NPRI is a key resource for identifying and monitoring sources of pollution in Canada. It supports priority setting and monitoring of environmental performance measures, contributes to the compilation of pollution patterns and trends, provides environmental information to the public, and fulfills international reporting obligations.

NPRI data are used by governments, academia, industry, non-governmental organizations, international organizations, financial institutions, the media, and the public.

Over 7,000 industrial, commercial and institutional facilities that meet certain activity, size, and release thresholds report information annually to the NPRI on over 340 substances.

Information collected through the NPRI



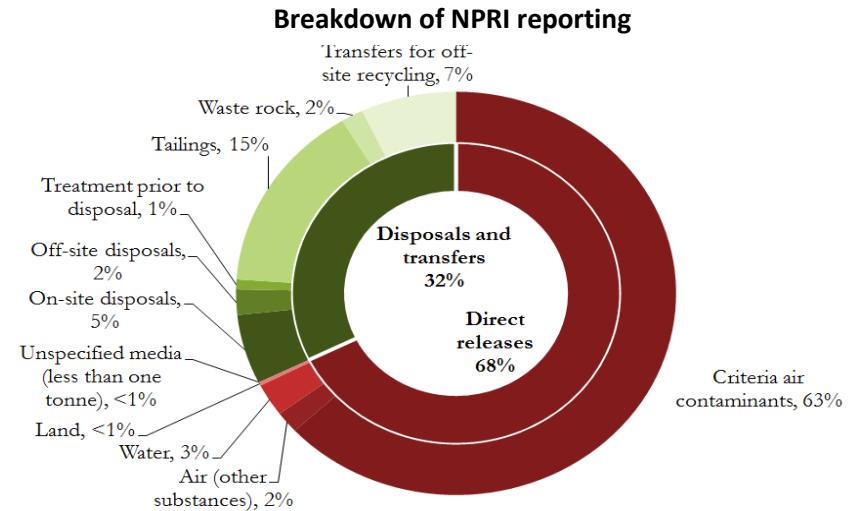
2015 Data Highlights

For the 2015 reporting year, 4,842,636 tonnes of releases, disposals and transfers were reported to the NPRI by 7,284 facilities.

Direct releases to air, water, and land make up 68% (3,279,262 tonnes) of what was reported to the NPRI, and most of these were releases of criteria air contaminants, such as sulphur dioxide, nitrogen oxide, and particulate matter, to air. Direct releases to water accounted for 3% (127,025 tonnes) of what was reported, of which a large portion were ammonia and nitrate ion released from waste water treatment plants.

Disposals and transfers accounted for 32% (1,563,374 tonnes) of total reported information for the 2015, and approximately half of this was from the disposal of mine tailings to contained and managed tailings impoundment areas. Other disposal activities included underground injection of substances into naturally occurring reservoirs, and disposal to contained and managed landfills.

Transfers for recycling accounted for 7% (339,412 tonnes) of total reporting, and includes activities such as energy recovery, metal recycling, solvent recovery, and catalyst recovery.

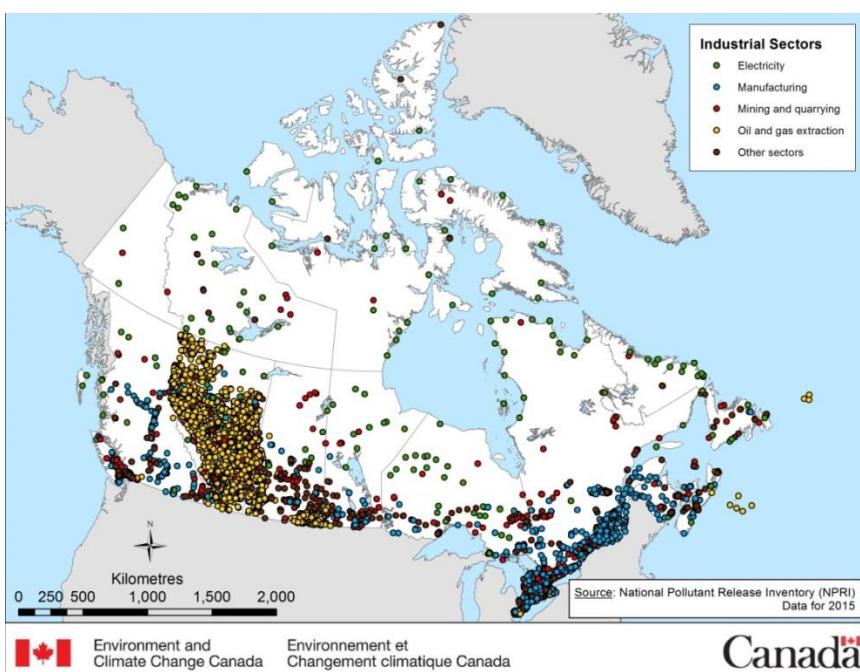


Total quantities reported to the NPRI: 4,842,636 tonnes



Where are facilities reporting to the NPRI located?

Map of NPRI reporting facilities



7,284 facilities reported to the NPRI in 2015. Almost half of these facilities are in the oil and gas extraction sector, most of which are located in the province of Alberta, shown in yellow on the map. Many of Canada's reporting manufacturing facilities are located in Southern Ontario and along the St. Lawrence Seaway, which are shown in blue. Many of the facilities located in Canada's North are small and remote electricity generating stations, which are shown on the map in green.

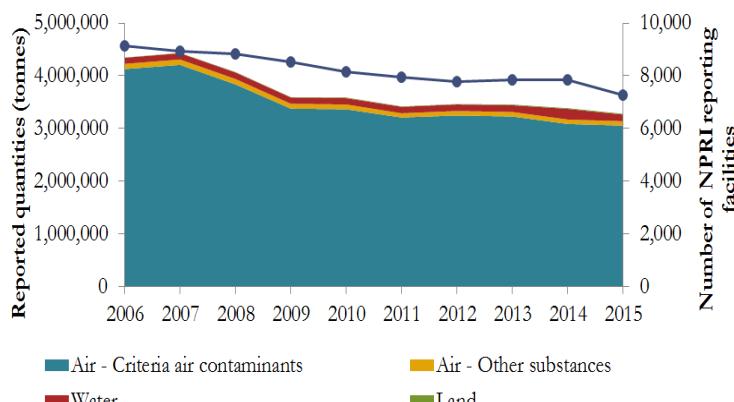
*This map shows NPRI reporting facilities for 2015 (7,284 facilities), excluding those that did not meet the reporting criteria (1,327 facilities).

How have reported releases and disposals changed over time?

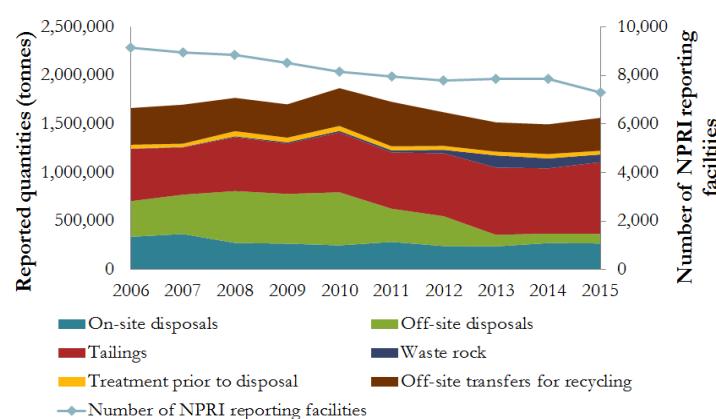
Total direct releases to air, water and land reported to the NPRI decreased by nearly 25% (1,067,862 tonnes) between 2006 and 2015. This difference is made up of a notable reduction in direct releases reported between 2008 and 2009. Reductions continued in the following years (2010-2015) at a lower and more stable rate. A notable exception to this overall decreasing trend occurred in 2014, when an accidental spill occurred at a mining facility in British Columbia, releasing 77,127 tonnes of substances directly to surface water. This spill caused total reported releases to water to increase by 57% between 2013 and 2014.

Between 2006 and 2015, total disposals and transfers decreased 6% (100,782 tonnes), with major decreases in off-site disposals [73% (268,161 tonnes)], on-site disposals [20% (68,148 tonnes)], and off-site transfers for recycling [10% (39,425 tonnes)]. Offsetting these decreases are increases in reported disposals of tailings and waste rock, which have increased 37% (200,097 tonnes) and 2,064% (75,967 tonnes) respectively.

Changes over time of total direct releases



Changes over time of total disposals and transfers

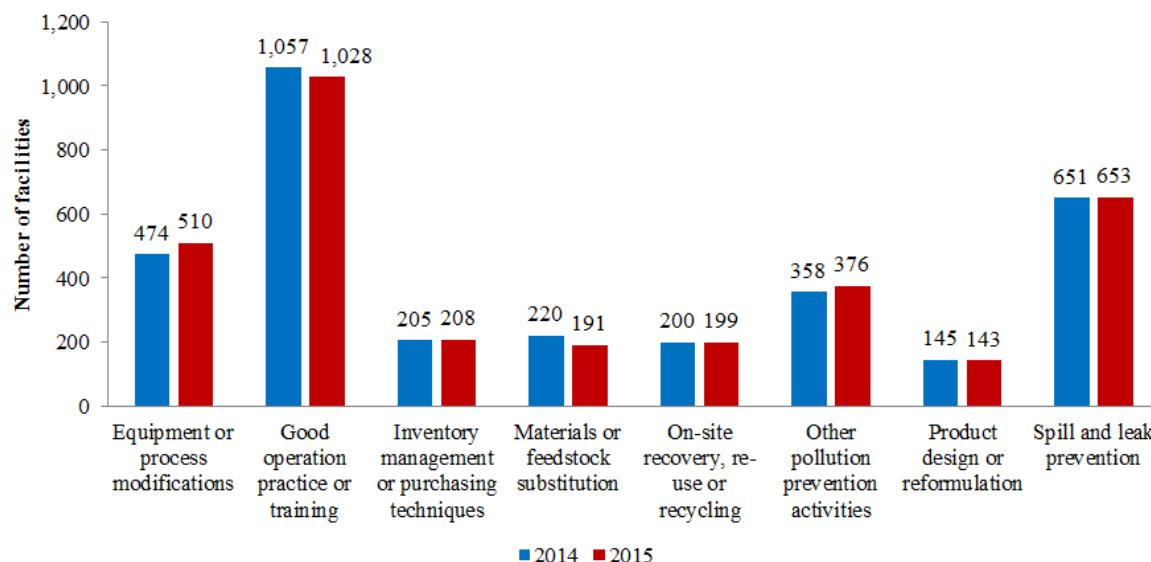




Reported Pollution Prevention (P2) Activities

In 2015, 1,080 facilities reported they had implemented a P2 plan and 1,142 facilities reported that they undertook P2 activities, with a total of 3,308 activities reported (as a single facility may practice more than one activity). “Good operating practice or training” was the most common type of P2 activity reported, practiced by 1,028 facilities, followed by “spill and leak prevention”, practiced by 653 facilities. The mining and quarrying sector had the highest proportion of facilities practicing P2 activities, with 27% of the sector’s facilities, followed by 24% for the electricity sector, 23% for the manufacturing sector, and 5% for the oil and gas extraction sector.

Number of P2 activities reported in 2014 and 2015, by activity category



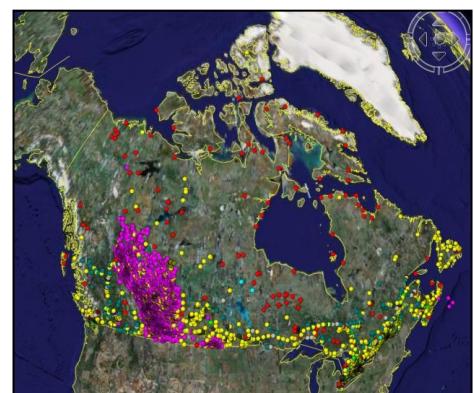
Accessing NPRI data

NPRI data is available in various formats and can be accessed through the [Government of Canada Open Data Portal](#). Data can be searched using different tools and data sets, including for example an online query tool, single year tabular data, bulk data (1993 to present), pre-defined queries and map layers.

All NPRI data are available at [NPRI Datasets webpage](#).

The screenshot shows the NPRI Facility Search interface. It includes a search bar, a sidebar with links like 'Pollutants', 'Inventory Home', 'About the NPRI', and 'Reporting to the NPRI'. A message at the bottom says: 'Welcome to the NPRI On-line Facility Data Search. Use this query tool to search detailed information on pollutant releases (to air, water and land), disposals and transfers for recycling reported by facilities to the National Pollutant Release Inventory (NPRI). These queries show on-site release data broken down by media (air, land and water) for the last five years. (Click to run.)' Buttons for 'Total On-site Releases, by Substance Name' and 'Total On-site Releases, by Industrial Sector' are also visible.

Microsoft Access [SubDisp : Table]									
REPORT	NPRI ID	CAS NUMBER	UNITS EDIT	UNITS STOR	DISPOSAL	DISP ON	DISP OFF	DISP	DISP
2006	0000000001	10049-04-4	tonnes	tonnes	0	0	0	0	0
2006	0000000001	11004-03-1	tonnes	tonnes	0	0	0	0	0
2006	0000000001	118-74-7	grams	grams	0	0	0	0	0
2006	0000000001	119-00-8	tonnes	tonnes	0	0	0	0	0
2006	0000000001	129-00-0	kg	kg	-1	-1	0	0	0
2006	0000000001	191-24-2	kg	kg	-1	-1	0	0	0
2006	0000000001	192-97-2	kg	kg	0	0	0	0	0
2006	0000000001	193-39-5	kg	kg	-1	-1	0	0	0
2006	0000000001	198-65-0	kg	kg	0	0	0	0	0
2006	0000000001	205-62-3	kg	kg	0	0	0	0	0
2006	0000000001	206-00-0	kg	kg	-1	-1	0	0	0
2006	0000000001	209-44-0	kg	kg	-1	-1	0	0	0
2006	0000000001	207-08-9	kg	kg	0	0	0	0	0
2006	0000000001	209-96-8	kg	kg	0	0	0	0	0
2006	0000000001	210-01-9	kg	kg	-1	-1	0	0	0
2006	0000000001	463-58-1	tonnes	tonnes	0	0	0	0	0
2006	0000000001	50-32-8	kg	kg	-1	-1	0	0	0
2006	0000000001	53-70-3	kg	kg	-1	-1	0	0	0
2006	0000000001	59-09-2	kg	kg	-1	-1	0	0	0
2006	0000000001	630-08-0	tonnes	tonnes	0	0	0	0	0
2006	0000000001	67-56-1	tonnes	tonnes	0	0	0	0	0
2006	0000000001	71-45-2	tonnes	tonnes	0	0	0	0	0
2006	0000000001	7446-09-5	tonnes	tonnes	0	0	0	0	0
2006	0000000001	75-07-0	tonnes	tonnes	0	0	0	0	0



For more information on the NPRI program, please visit the [NPRI website](#). The complete NPRI 2015 Summary Report will be available at this address shortly.