

The North American PRTR Initiative:

Tracking Pollutant Releases and Transfers to Advance Sustainability

TRI National Conference
October 2023



Scope

The NA PRTR Initiative brings together data for more than 40,000 facilities reporting across the region since 2006 to:

- Canada's NPRI
- Mexico's *RETC*
- United States' TRI

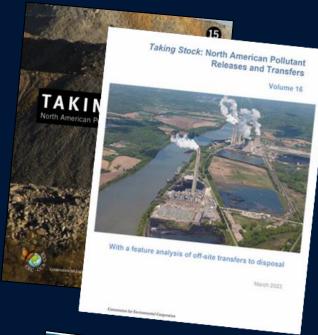


Objectives and Activities

- Compile, harmonize, and provide access to comparable PRTR data for the region
- Promote data quality, comparability, completeness
- Engage all stakeholders concerned with industrial pollutants and data access
- Promote use of PRTR data to support P2 and sustainability.









Industry
P2 Challenge

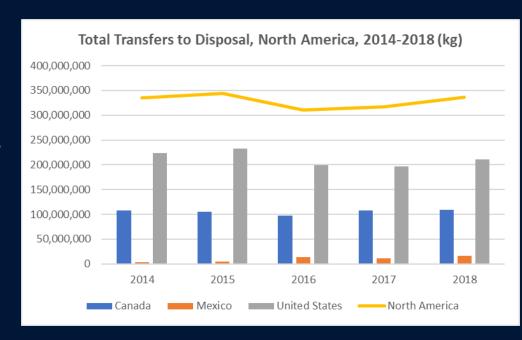
Cross-border Transfers Project

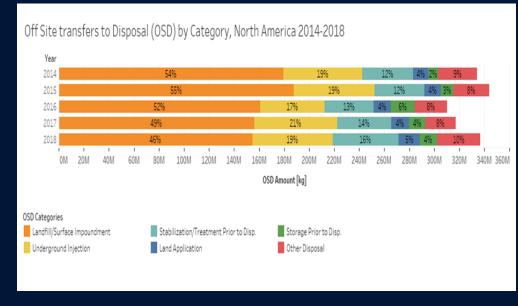
Taking Stock Report, vol. 16 – Feature Analysis: Off-site Transfers to Disposal (OSD)

Aim: Enhance understanding of disposal practices, risks, and alternatives to waste generation and disposal.

Key Findings (2014-2018):

- ~11,000 facilities report ~ 335 million kg/year in OSD
- Landfills/surface impoundments (~ 50%), followed by underground injection. Increases in stabiliz. prior to disposal and land application
- OSD in Canada and US: 6% of TRT; in Mexico: from 12% to 34% (driver: gold & silver mining)
- >2/3 of NA total due to about 10 sectors and 10 pollutants, e.g.:
 - steel manuf'g, oil/gas extraction, electricity gen., waste mgt
 - zinc, manganese, lead, barium compounds; H2S.





What have we learned from this analysis?

- 1. There are important data gaps due to:
 - Different reporting requirements (sectors, pollutants, disposal practices)
 - Shared responsibilities (federal/state), involvement of third parties (e.g., waste mgt facilities), and incomplete information about waste recipients

These gaps impede the tracking and management of waste transfers and the ability to respond to extreme events (e.g., floods) that can remobilize pollutants from disposal sites.

- 2. Relatively few sectors and pollutants play key roles in OSD

 This information can inform pollution prevention (P2) policies and programs.
- 3. Facilities are implementing (and reporting) P2 practices

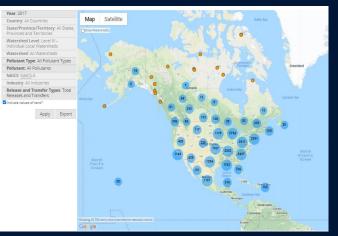
This shows that PRTRs are important tools for tracking progress in industry and for helping disseminate best practices to minimize waste generation and disposal.

Taking Stock Online

- Homepage with contextual information, interactive data graphics
- Integrated NA database:
 - 2021-22 data
 - Query cross-border transfers
 - Soon: facility greenhouse gas data
- Data visualization, mapping tools
- User feedback mechanism.

www.cec.org/takingstock









Industry Pollution Prevention (P2) Challenge

Promoting Sustainability and Green Chemistry in the Automotive Manufacturing Sector and Supply Chain

Cross-border Transfers Project (OECD Collaboration)

 Using CBT data and other information to assess data quality and possible enhancements to PRTR reporting requirements