



Toxics Release Inventory Data and Tools

Noteworthy Updates and Activities



2015 International Emissions Inventory Conference
San Diego, CA



Key Developments Since Last EIC

- Compliance Cases Specific to TRI
- Decrease in Size of Data Gap of Spatial data
- Launch of TRI Pollution Prevention (P2) Tool
- New Chemicals Added
- 2012 NAICS Used for RY 2013 Forward
- New Access and Analysis Tool Under Development



What is the Toxics Release Inventory (TRI)?

- Federally regulated program
- Mandatory reporting of toxic releases
 - Covers specific industries (manufacturing and others)
 - Covers specific chemicals and chemical groups (approx. 675 chemicals)
- Multimedia
- Data are publicly available



What is the Toxics Release Inventory (TRI)?

- Quantitative Thresholds
 - Equivalent of 10 or more employees
 - Manufactures or processes > than 25,000 lbs. of a TRI-listed chemical
 - Otherwise use > than 10,000 lbs. of a listed chemical
 - PBTs threshold of 100 or 10 pounds (chemical-specific)
 - Dioxins threshold of 0.1 grams



Sample of Compliance Cases

- \$618,000 settlement with 3 Nevada gold mines for failure to submit timely, complete and correct TRI reports (Feb 2013)
- \$62,000 settlement with 2 Pennsylvania steel facilities for failure to submit timely TRI reports for chromium and lead (Jan 2014)
- \$153,000 in penalties for violations of RMP and TRI reporting (Oct 2014)
- \$20,000 settlement for failure to submit a TRI report for a PAC in 2012 (Dec 2014)



Decrease in Gap of Spatial Data

- From 3% per year to 0.1% per year
- New reporters impact on data gaps
 - Spatial data could remain unresolved for many years
 - # TRI reporting facilities without latitude / longitude
 - May 2011 – 437 out of 54,290 ('87 to '10)
 - March 2015 – 60 out of 57,413* ('87 to '13 National Analysis)
 - Approx. half are new reporters

* Approx 21,000 facilities reported for RY 2012



Decrease in Gap of Spatial Data

- First-time reporters to EPA identified earlier
 - TRI does not collect spatial data
 - EPA's Facility Registry System (FRS) provides spatial data
 - TRI data submission process now includes a step notifying FRS of first-time reporters
- Easier for facilities to update locational information
- Effort benefits all EPA programs
 - All EPA programs can pull spatial data from FRS



TRI and the Pollution Prevention Act

- Pollution Prevention Act of 1990
 - Added reporting requirements to TRI
 - Some of the data were underutilized and difficult to access
 - Reporting of quantities of waste reduction under PPA – Mandatory
 - Reporting of techniques to waste reduction – Mandatory
 - Reporting additional information about waste reduction – Voluntary (free text field)



Launch of Pollution Prevention (P2) Tool

- Recent changes
 - Increased prominence and accessibility of P2 information
 - Accessible from more TRI data access points
 - P2 Tool specifically focuses on how reductions were achieved
- More details on P2 efforts in next presentation
 - “Toxics Release Inventory and Emissions Reduction Measures”



New Chemicals Added

- For Reporting Year 2012
 - Hydrogen Sulfide: Lifting of Administrative Stay
- For Reporting Year 2014
 - O-Nitrotoluene Added
- For Reporting Year 2015
 - Nonylphenol Category Added



2012 NAICS Adopted

- Industries covered by TRI identified by 2012 NAICS for Reporting Year 2013
 - Previously industries identified by 2007 NAICS
 - Most changes at the 5- and 6-digit level



New Access and Analysis Tool Under Development

- EPA is near the end of development for a new TRI data access and analysis tool
 - Duplicates most functions of current TRI.Net tool
 - Additional filters and options not available in TRI.Net
 - Web-based
 - Includes data visualization
 - 2 modes
 - Semi-customized standard reports
 - Control of all query parameters



Existing Access to TRI Data

- TRI Program homepage: www.epa.gov/tri
 - Under TRI Resources, click link to “Tools for TRI Data Analysis”
 - Tools and downloads to meet a variety of needs
- Data service API
 - See “Services” tab on EPA’s Envirofacts webpage



Contacts

Steve Witkin, TRI Explorer and TRI.Net Project Officer

Witkin.steve@epa.gov

TRI Program contact

Tri.help@epa.gov

Additional contact information in the “[contact us](#)”
page linked from most TRI web pages