



Toxics Release Inventory (TRI) Program Updates

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Toxics Release Inventory (TRI) Program

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Start Your RY 2019 TRI Reporting

Reporting forms covering the 2019 calendar year are due by July 1, 2020.

- [Find out what's new for RY 2019 and get started](#)

Join the TRI Email List



Enter your email

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What is the TRI? The Toxics Release Inventory (TRI) is a resource for learning about toxic chemical releases and pollution prevention activities reported by industrial and federal facilities. TRI data support informed decision-making by communities, government agencies, companies, and others. Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) created the TRI Program.

What is the TRI?



- [Learn why the TRI was created and what chemicals and industry sectors it covers](#)

Report TRI Data



- [Resources for facilities to complete and submit TRI reporting forms](#)

Access & Use Data




- [TRI data, materials for specific audiences, and examples of TRI uses](#)

Learn About TRI in Your Community

Get Location-Based Factsheets and Information on Specific Facilities

Search by: State Metropolitan Area Watershed Tribe Facility

Select State: Zip Code: City: Watershed: County:

How to Use TRI Community Search 



Main Topics





Regulatory – Chemical Additions

- **Nonylphenol ethoxylates (NPEs) Category**

- EPA finalized rule to add 13 specific NPEs on June 7, 2018
 - Reports due *July 1, 2020* for CY2019
 - <https://www.epa.gov/toxics-release-inventory-tri-program/addition-npes-category-tri-list-final-rule>

- **Per- and polyfluoroalkyl substances (PFAS)**

- National Defense Authorization Act for FY 2020 (NDAA) adds certain PFAS to the TRI list of chemicals
 - Reports due *July 1, 2021* for CY2020
 - Reporting thresholds of 100 pounds for each listed PFAS
 - <https://www.epa.gov/toxics-release-inventory-tri-program/addition-certain-pfas-tri-national-defense-authorization-act>
- EPA published advance notice of proposed rulemaking on Dec. 4, 2019
 - Gather information for potential rulemaking to add other PFAS
 - Comment period closed February 3, 2020. Input solicited on PFAS to be evaluated for listing, appropriate reporting thresholds, categorization, and availability of human health and environmental information
 - <https://www.epa.gov/toxics-release-inventory-tri-program/advance-notice-proposed-rulemaking-adding-certain-pfas-tri>



Regulatory Activities & Resources

- **Corrections/Fixes to Reporting Requirements**
 - EPA proposed rule in Nov. 2019
 - Update identifiers, formulas, and names for certain TRI-listed chemicals, and text describing applicability of the 0.1% de minimis concentration
 - Comment period closed on Jan. 28, 2020
 - <https://www.epa.gov/toxics-release-inventory-tri-program/corrections-tri-regulations-proposed-rule>

Resources

- **2019 Q&As Consolidation document**
 - To clarify reporting requirements, EPA consolidated and updated previous questions and guidance materials
 - https://ofmpub.epa.gov/apex/guideme_ext/f?p=guideme:gd-list:0:
- **TRI GuideMe**
 - Access to TRI guidance, including Reporting Forms and Instructions
https://ofmpub.epa.gov/apex/guideme_ext/f?p=guideme:home



ICR Renewal – Updates to Reporting Form

- New or more refined data elements for RY 2018 data
 - Use data: *“Recycling”* is now an activity under processing and more specific *subcategories for processing* “as a reactant” and “as a formulation component”
 - New codes: new management codes for *transfers of waste to POTWs* and new *barrier code* for use when a reduction does not appear to be technically feasible
 - Facility must indicate if *combining reporting of metal and metal compounds*
 - Ability to indicate that on-site disposal includes chemical quantities managed in *“waste rock piles”*
 - *Bureau of Indian Affairs (BIA)* code is now a separate element
 - Form A now provides a field for providing *optional information* on each chemical listed



Reporting – RY2019 TRI-ME Web

- **Various general improvements**
 - Form preparation, validation, and submission, facility management, and tool functionality
- **Ensure review of information**
 - Prompt review if facility-level data has not changed over the past 3 years, of non-standardized parent company names/D&B numbers, and offsite transfer location information
 - Restrict import of prior year data for land disposal sections and facility information (POTW/ offsite transfer location) without an EPA registry ID
- **Facilitate consistent reporting across other EPA programs**
 - Ability to populate fugitive and stack air releases with information already provided to EPA's National Emissions Inventory Program
 - Provision of a standardized list of parent company names and D&B numbers
- **Enable more accurate reporting**
 - Option to select the "Includes parental metal" checkbox for metal compounds, confirming inclusion in release calculations
 - Limit selection of Not Applicable (NA) for Production Ratio/ Activity Ratio to Form R submissions where chemical was not reported the prior year
- **Greater transparency in summary calculations and status reviews**
 - Display of section 8 summary formula
 - View of various reports/ pages - form summary, error summary, submission history



Data Quality

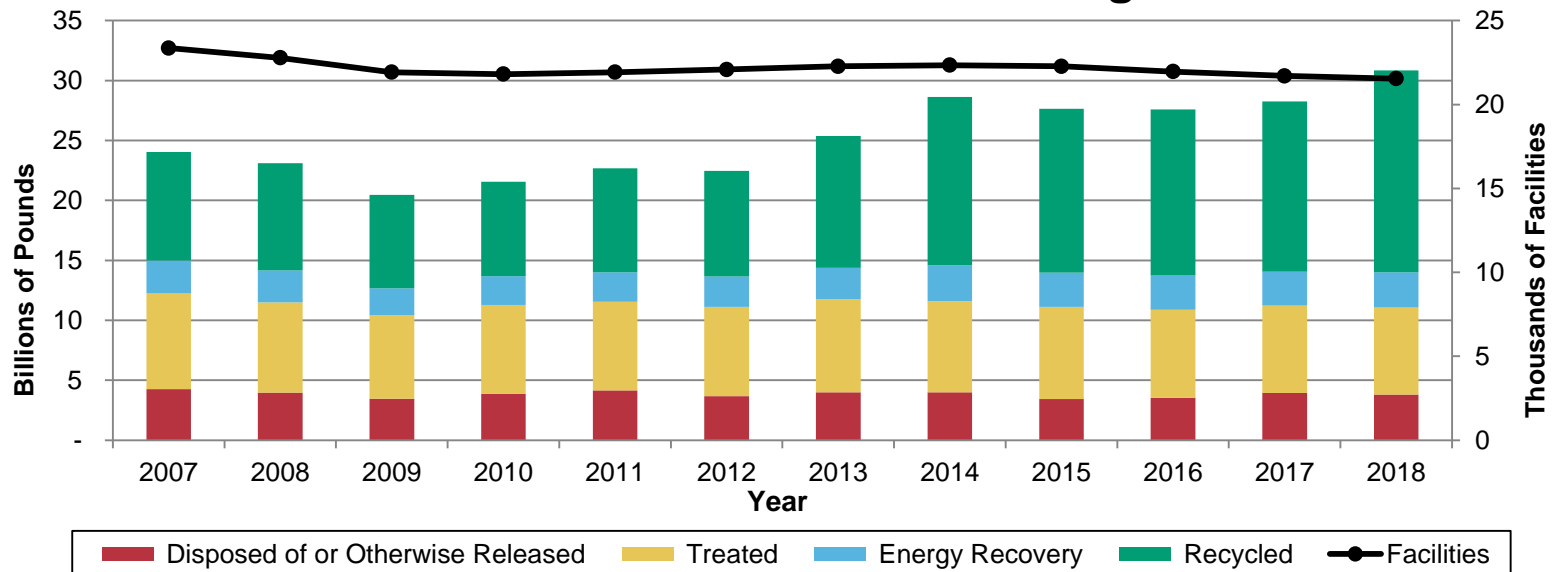
- Improving facility/company identification
 - Assigning *identification numbers for Offsite locations*
 - Updating *POTWs List* to improve accurate identification
 - Correcting *Dun & Bradstreet numbers* for facilities/parent companies
 - Correcting *RCRA IDs* for offsite locations
- Streamlining Production Ratio reporting
- Conducting comparative data analysis



Analyses – 2018 National Analysis

- Released Feb. 2020
 - Interactive website www.epa.gov/trinationalanalysis with embedded tools facilitating access and exploration of TRI data
 - Availability of PDF report in English and Spanish and other supporting resources (press release, overview slides, data files)

Production-Related Waste Managed





New Analysis – Regional Profiles

Region 5 serves 6 states



REGION 5'S
POPULATION IS
52.5 million
PEOPLE



U.S. Census Annual Estimates of the Resident Population: July 1, 2018

The **sectors** with the greatest TRI releases in the region are:

- Primary metals
- Electric utilities

The TRI **chemicals** released in the greatest quantities in the region are:

- Zinc and zinc compounds
- Manganese and manganese compounds

U.S. EPA TRI, Reporting Year 2018

5,366 facilities in the region **report to TRI**

U.S. EPA TRI, Reporting Year 2018

- Regional focused content analyze and highlight the geographic diversity of industrial operations in the U.S.

EPA New Analysis – Hazardous Waste Sector

What the Sector Does

This sector receives hazardous wastes from commercial or government entities and manages the waste through treatment, disposal and recycling. Only those facilities in the sector that are regulated under the Resource Conservation and Recovery Act, subtitle C (the national hazardous waste management program) are required to report to TRI.



THE SECTOR
EMPLOYS
427,000
PEOPLE



*U.S. Bureau of Labor Statistics, May 2018 data
for waste management and remediation services*

THE SECTOR
CONTRIBUTES
\$64.5 BILLION
TO U.S. GDP



*In value-added. U.S. Bureau of Economic Analysis, Year 2018
data for waste management and remediation services*

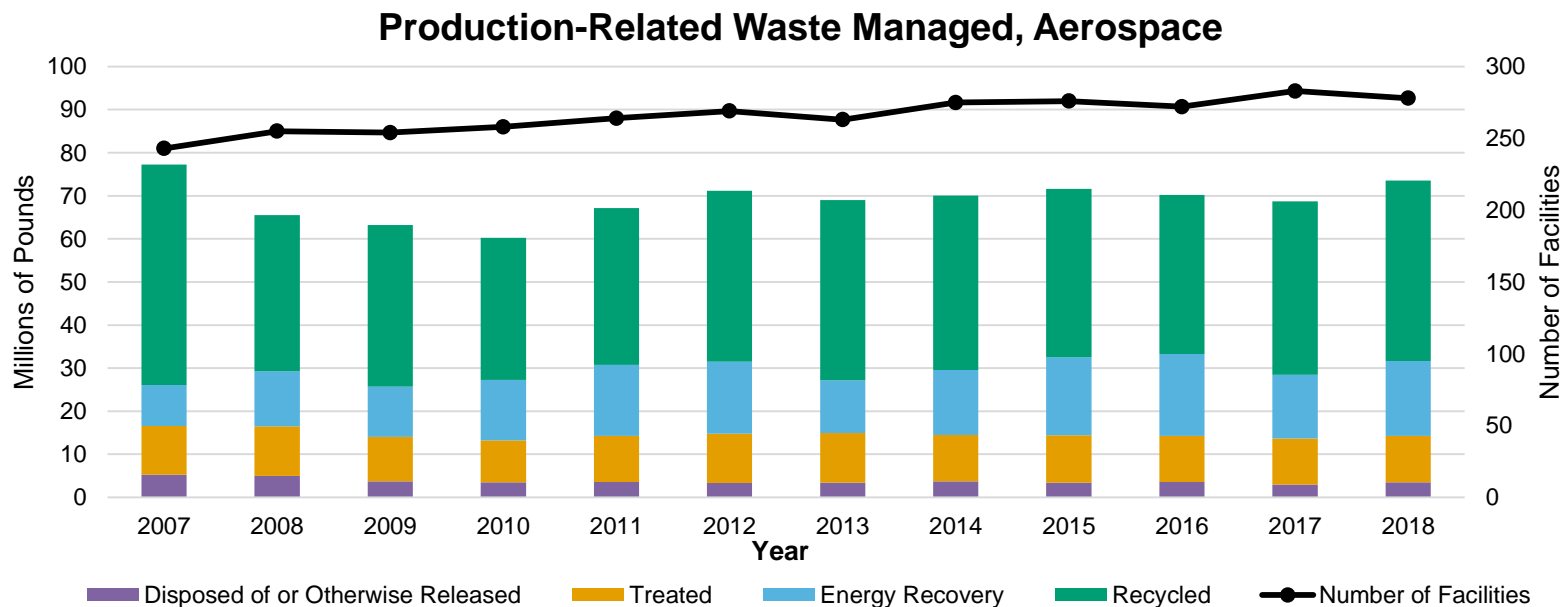
226 facilities in the sector report to TRI

U.S. EPA TRI, Reporting Year 2018

- Given the year-to-year variability of the sector's inputs, examining TRI trends of this sector is not meaningful.
- Profile focuses on parent companies and 2018 reporting.



New Analysis – Aerospace Sector



- Waste managed decreased by 3.8 million pounds (-5%) from 2007 to 2018
 - Decrease driven by large releases from one facility in 2007 and 2008
 - Number of facilities increased from 243 in 2007 to 278 in 2018 (13%)
- Source Reduction Activities were initiated at a higher than average rate in 2018
 - Many aerospace facilities focus on reducing solvent use and reducing the generation of scrap metal

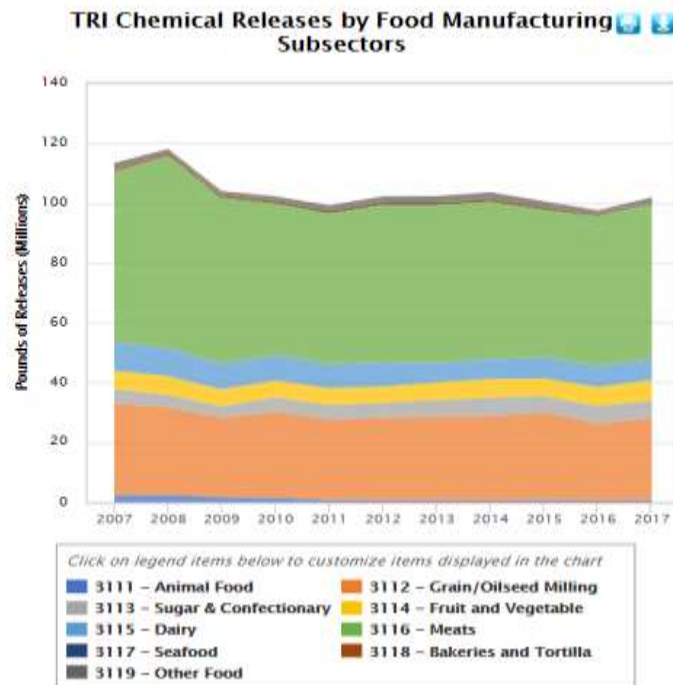


Source Reduction Analyses

- Explore enhancements to source reduction reporting/guidance
- Continue data analysis of
 - Optional P2 narratives using machine learning and keywords
 - Approaches to assess effectiveness of implemented P2 actions through a new metric (P3 Index)

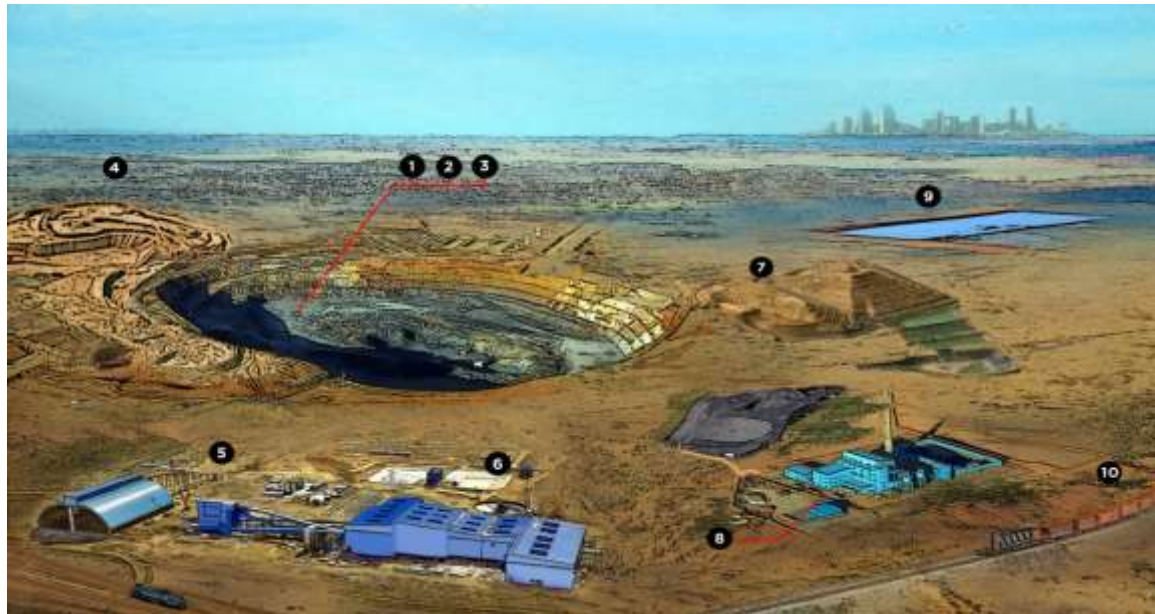
- Support Agency P2 National Emphasis Areas
 - Food/Beverage, Auto, Aerospace, Metals, and Chemicals

<https://www.epa.gov/p2/p2-national-emphasis-areas-neas>



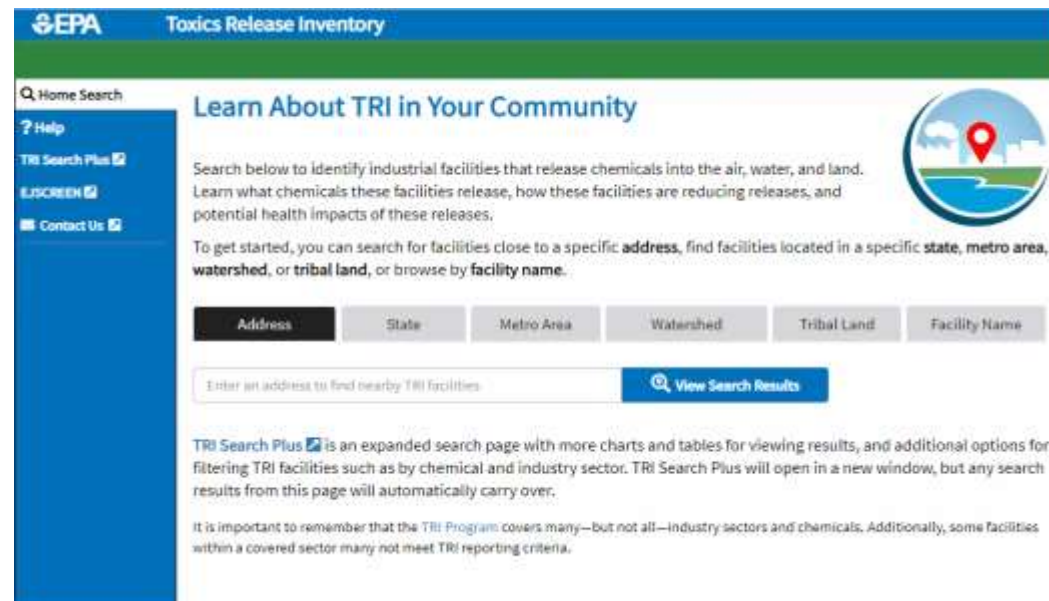
Outreach - Resources

- **Resources to improve understanding and access to TRI data**
 - Update and improve TRI educational resources (e.g., lesson plans)
 - Revise user guides (“Factors to Consider,” new guide on using TRI for analysis, metal mining diagram)



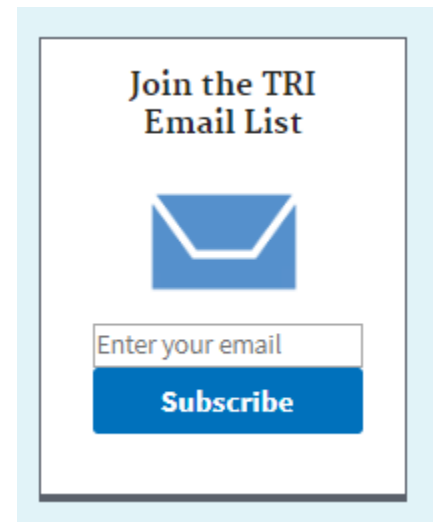
Outreach – Resources (cont.)

- Continue to improve TRI website in response to user input
 - New Data & Tools webpage, spring 2020
 - Website satisfaction survey, summer 2020
- Continue to improve TRI tools
 - Updated TRI homepage search planned for April 2020



The screenshot shows the EPA Toxics Release Inventory (TRI) website. The header includes the EPA logo and the text "Toxics Release Inventory". Below the header, there is a navigation menu on the left with links for "Home Search", "Help", "TRI Search Plus", "EJSOREEH", and "Contact Us". The main content area is titled "Learn About TRI in Your Community" and contains the following text: "Search below to identify industrial facilities that release chemicals into the air, water, and land. Learn what chemicals these facilities release, how these facilities are reducing releases, and potential health impacts of these releases." Below this text, there is a search bar with a dropdown menu showing options: "Address", "State", "Metro Area", "Watershed", "Tribal Land", and "Facility Name". The "Address" option is currently selected. Below the search bar, there is a text input field with the placeholder "Enter an address to find nearby TRI facilities" and a "View Search Results" button. At the bottom, there is a paragraph about "TRI Search Plus" and a disclaimer: "It is important to remember that the TRI Program covers many—but not all—industry sectors and chemicals. Additionally, some facilities within a covered sector may not meet TRI reporting criteria."

- **Communication to increase awareness**
 - Series of announcements to promote specific 2018 National Analysis components
 - More frequent list-serv messages with tailored content
 - Regional/audience specific webinars
 - Demonstrate use of tools in support of Agency National Emphasis areas
 - Promote reporting of optional details on source reduction and other practices
 - Promote new data elements





Thank You!

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Visit TRI

www.epa.gov/TRI