



PRTR Program Updates

United States' Toxics Release Inventory

(TRI)

Meeting of the North American PRTR Initiative
26-27 February 2025

Elizabeth Olhasso
US Environmental Protection Agency
Toxics Release Inventory Program

Overview

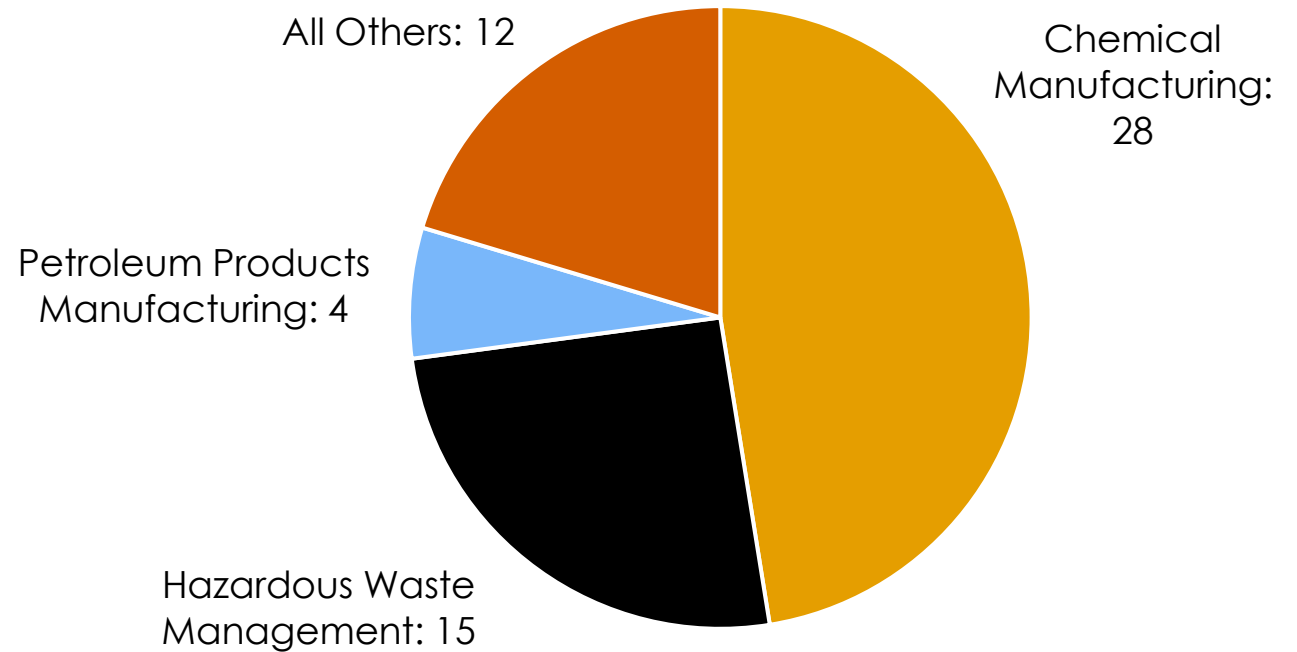
- New in RY2023 (data published October 2024):
 - Addition of 9 PFAS to the TRI Reporting List for RY2023
 - Foreign parent company reporting for RY2023
- Coming in RY2024 (data due to EPA 1 July 2025)
 - Changes to PFAS reporting beginning in RY2024 – classified as Chemicals of Special Concern
 - Addition of 7 PFAS to TRI pursuant to the 2020 NDAA, bringing total to 196 (final rule published June 2024)
- Other activities:
 - Proposed addition of 16 individual PFAS and 15 PFAS categories representing over 100 individual PFAS to the TRI Reporting List
 - Publication of TRI Toolbox, Data Use Catalog, Guide to Using TRI Data to Reduce Pollution in Your Community and TRI in the Classroom

New in RY2023 – 9 PFAS added to TRI List

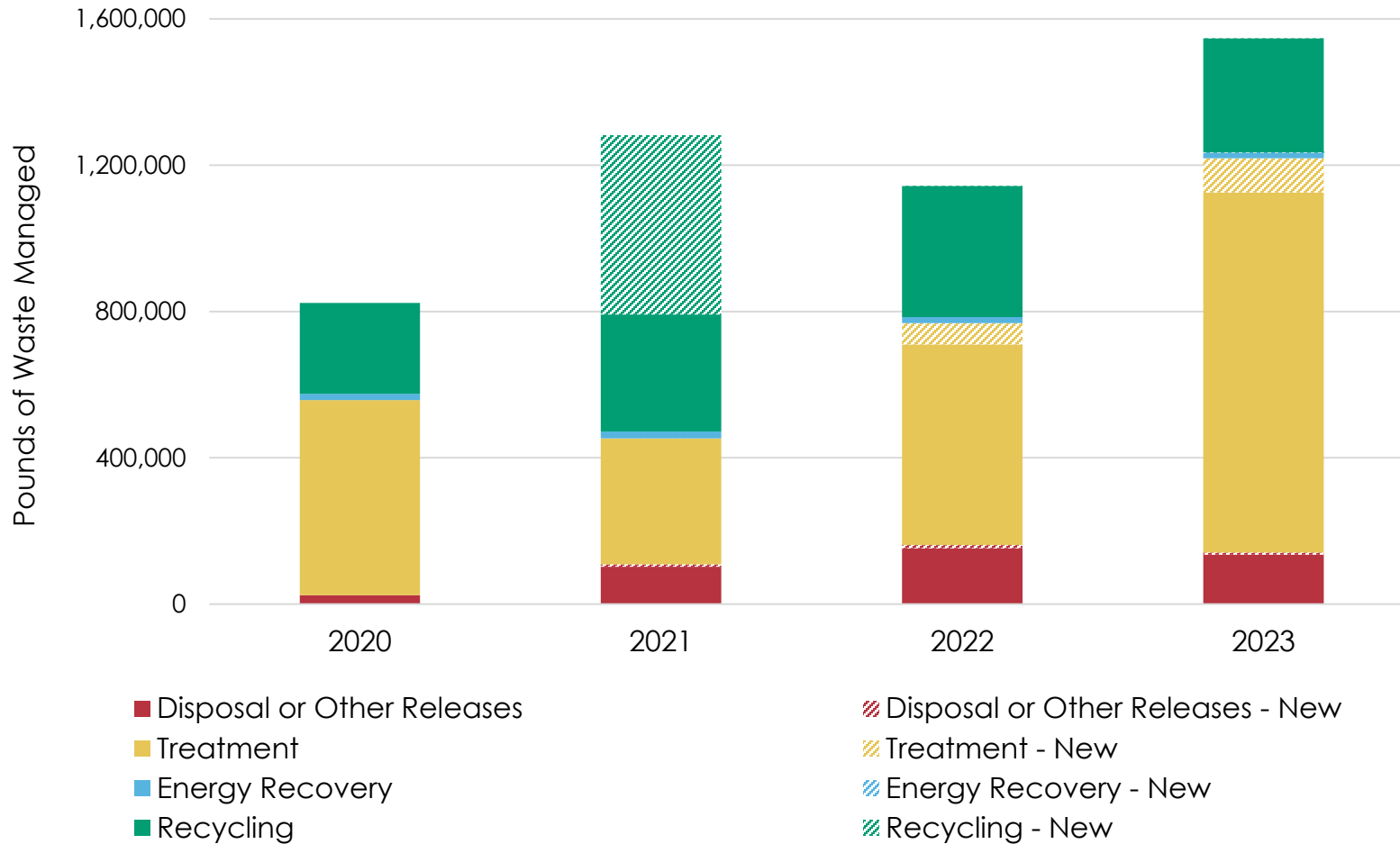
| | 2020 | 2021 | 2022 | 2023 |
|---------------------------|------|------|------|------|
| Forms | 96 | 85 | 133 | 166 |
| Facilities | 42 | 41 | 51 | 59 |
| Chemicals reported | 46 | 41 | 44 | 45 |
| Chemicals listed | 172 | 176 | 180 | 189 |

Newly-Listed PFAS in 2023
 9 PFAS were added for 2023
 6 forms for 2 chemicals

Number of Facilities Reporting PFAS by Sector, 2023



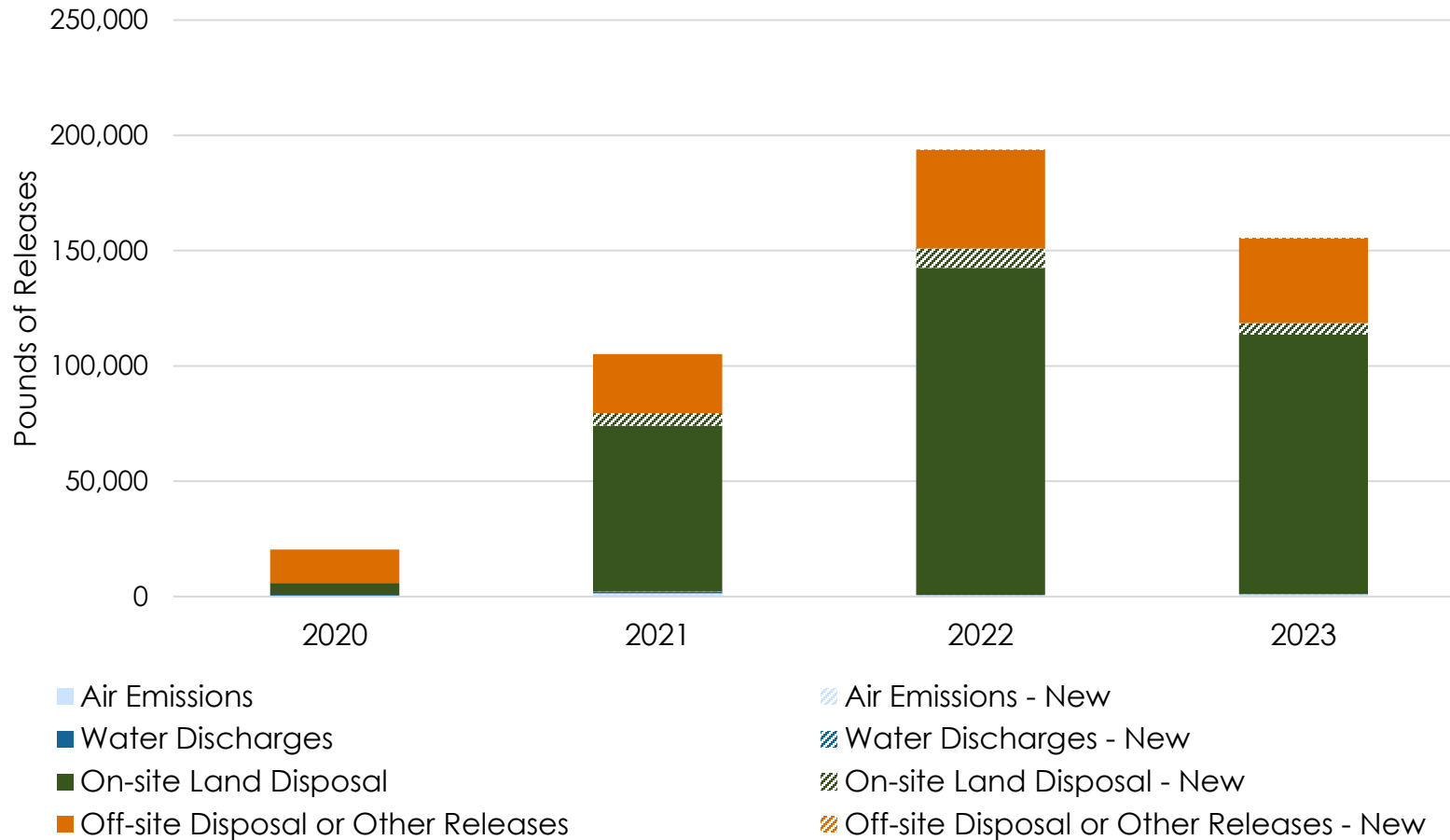
R Y2023 Data – PFAS Waste Managed



| 2023 | |
|---------------------------|-----------------|
| 1.6 million pounds | |
| Newly-listed PFAS | 4,900 pounds |
| Top Sectors | Chemicals |
| | Hazardous waste |

| 2022-2023 | |
|------------------------------|--|
| +36% | |
| Sectors w. large Δ | |
| ↑ Chemical manufacturing | |
| ↓ Hazardous waste management | |

R Y2023 Data – PFAS Releases



| 2023 | |
|-----------------------|-----------------------------------|
| 160,000 pounds | |
| Newly-listed PFAS | 4,200 pounds |
| Top Sectors | Hazardous waste (84% of releases) |

| 2022-2023 | |
|------------------------------|--|
| -18% | |
| Sectors w. large Δ | |
| ↓ Hazardous waste management | |

New in RY2023 – Parent Company Reporting

In October 2022, EPA finalized a rule to clarify how TRI facilities report their parent company information. These changes went into effect for RY2023 (data published October 2024):

- Facilities are now required to consult TRI's standardized list of parent company names, which addresses data quality issues such as abbreviations, capitalization, punctuation, and spelling.
- This rule allows EPA to clarify existing reporting guidance and provide additional reporting guidance for facilities owned by public entities, multiple owners, corporate subsidiaries, and foreign entities.
- In addition, this action requires all TRI facilities to report their foreign parent company, if applicable (previously, facilities only had to report their highest-level domestic parent company).

Changes to PFAS Reporting for RY2024

In October 2023, EPA finalized a rule to add PFAS covered by TRI to the list of Chemicals of Special Concern, which means:

- Facilities can no longer use the de minimis exemption for PFAS covered by TRI (i.e. concentrations under 1% will now be reportable to TRI).
- The shorter reporting form (Form A) is no longer available for PFAS.
- Limits the use of range reporting for PFAS.
- PFAS reporting threshold remains 100 lbs.

This rule will result in a more complete picture of the releases and waste management quantities for these PFAS, beginning with the TRI data submitted to EPA in July 2025.

New PFAS Added to TRI List for RY2024


Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and **provided a framework for additional PFAS to be added to TRI on an annual basis.**


- For Reporting Year 2024 (reporting forms due by July 1, 2025), the NDAA **automatically** added seven additional PFAS to the TRI list. Facilities in TRI-covered industry sectors should begin tracking and collecting data on these chemicals during 2024.
- Brings total number of covered PFAS to 196 for RY2024.

Addition of Seven PFAS for RY2024

| CASRN | TRI Chemical Name |
|--------------|---|
| 307-24-4 | Perfluorohexanoic acid (PFHxA) |
| 422-64-0 | Perfluoropropanoic acid (PFPrA) |
| 2923-26-4 | Sodium perfluorohexanoate |
| 21615-47-4 | Ammonium perfluorohexanoate |
| 82113-65-3 | 1,1,1-Trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (TFSI) |
| 90076-65-6 | Lithium bis[(trifluoromethyl)sulfonyl] azanide |
| 2816091-53-7 | Betaines, dimethyl(.gamma.-.omega.-perfluoro-.gamma.-hydro-C8-18-alkyl) |

Published – TRI Toolbox

 What would you like to learn about?


 How do you want the data to be displayed?


View tools that relate to **ALL** of your selections (fewer results)
 View tools that relate to **ANY** of your selections (more results)

TRI data for an individual facility
 TRI data for a certain industry sector
 Toxic chemicals on Tribal lands
 Comparing facilities, parent companies, and geographic locations
 Pollution prevention at facilities
 Trends in TRI data over time
 Combining TRI with other EPA data
 TRI regulations and reporting requirements
 Potential harm from chemical releases

Start over
Clear selections
Show results

Filter by data topic and output type, or browse full catalog of data access tools:

 What would you like to learn about?

 How do you want the data to be displayed?

View tools that relate to **ALL** of your selections (fewer results)
 View tools that relate to **ANY** of your selections (more results)

Data to import into a spreadsheet application
 Factsheets
 Interactive maps
 Charts and graphs
 Geospatial layers and webservices
 TRI data use examples
 Copy of a facility's submitted TRI reporting forms
 Reporting guidance

Start over
Clear selections
Show results

SEPA TRI Toxics Tracker
 Search by location or name to see summary-level TRI data for the latest reporting year.

TRI Explorer Release Reports
 Search by chemical, location, industry sector, or tribal land. Focus on chemical releases, waste transfers, or waste quantities.

TRI Toxics Tracker
 Search for TRI facilities near a location or by name to see summary-level TRI data for the latest reporting year.

TRI Explorer
 Search by chemical, location, industry sector, or tribal land. Focus on chemical releases, waste transfers, or waste quantities.

Solvent Substitutions
 Explore solvent substitution comments reported by facilities.

Risk-Screening Environmental Indicators (RSEI)
 Find out about potential health impacts from TRI chemical releases. Compare chemicals, locations, facilities, and years.

Fact Sheets
 Overview of TRI data for a location, industry sector, or chemical. Ideal for beginning TRI users.

TRI Explorer Factsheets
 Overview of TRI data for a location, industry sector, or chemical. Ideal for beginning TRI users.

TRI Pollution Prevention (P2) Search Tool
 Find out how facilities and parent companies work to reduce chemical releases. Compare facilities within and across industry sectors.

TRI Basic Data Files
 Data grouped by year for an individual state or the entire U.S. Contains fewer data elements from the TRI reporting form than the Basic Plus Files.

TRI Basic Plus Data Files
 Data grouped by year. Each .zip file is made up of 10 .txt files that collectively contain all data elements from the TRI reporting form.

Published – Catalog of Applied TRI Data Uses

Catalog of Applied TRI Data Uses

Search this collection of case studies, articles, and other resources to find examples of how organizations and individuals have used Toxics Release Inventory (TRI) data. U.S. facilities in certain industry sectors and all federal facilities must report their efforts in reducing the use of chemicals annually. They must also report quantities of chemical waste created as well as how much they managed through release into the environment, treatment, energy recovery and recycling. This information is compiled in the TRI and can be used by companies, government agencies, non-governmental organizations and the public for advocacy, research or environmental improvement.

The Catalog of Applied TRI Data Uses collects examples of these efforts and makes them searchable by keyword, type of waste management method or by project focus type, such as pollution prevention, risk management or industry performance.

Keyword **Waste Management Method** **Project Focus**

Enter keyword to customize search:

[Reset All](#) [Search](#)

Keyword **Waste Management Method** **Project Focus**

Select waste management method(s) of interest:

- Source reduction
- Recycling
- Energy recovery
- Treatment
- Releases/disposal

[Reset All](#) [Search](#)

Keyword **Waste Management Method** **Project Focus**

Select topic(s) of interest:

- Community engagement
- Environmental justice
- Facility performance
- Industry performance
- Global sustainability
- Policy
- Pollution prevention
- Public health
- Risk management or planning
- Risk-Screening Environmental Indicators (RSEI) Model projects

[Reset All](#) [Search](#)

Guide to Using TRI Data to Reduce Pollution in Your Community

Guide to Using TRI Data to Reduce Pollution in Your Community

This guide is intended for individuals and organizations working to reduce industrial pollution in communities. It will help you understand how to use Toxics Release Inventory (TRI) data and other EPA resources to identify opportunities to prevent or reduce chemical pollution from local industrial facilities. It will also suggest ways you can help implement solutions. Each step below includes recommended approaches, tips, and additional resources.



The screenshot shows the 'Search for a Community' interface with a search bar and a 'View Profile' button. Below the search bar is a map of Louisville, KY, with various ZIP codes highlighted. To the right, four numbered steps are listed:

- Step 1: Find TRI Data for Your Community of Interest**
- Step 2: Identify Potential Concerns**
- Step 3: Identify Potential Solutions**
- Step 4: Take Action to Advance Solutions**

Below the steps, there is a pie chart for 'EVER CAT FUELS LLC' showing 'Total for Methanol: 23,207,889 lbs'. A legend indicates: Recycled (green), Energy Recovery (blue), Treated (yellow), and Released (red). Text next to the chart says: 'You can use the TRI P2 Search Tool to see a side-by-side comparison of a facility's chemical releases and the total releases for the rest of that industry sector, as shown in the pie graphs below.' Another pie chart shows 'All Other Basic Organic Chemical Manufacturing 411 other TRI reporters, 218 reporting Methanol Total for Methanol: 418 million lbs'.

4. What are the sources of chemical releases?

After identifying which chemicals may be having the greatest impacts on human health, you will want to identify the sources of these chemicals. One way to do this is to look at the **Top Facilities by RSEI Hazard** table in the **TRI Community Profile**. It will list the top five facilities in your ZIP code based on RSEI Hazard. These facilities may be of greatest interest as you prioritize potential targets for pollution reduction efforts and determine your next steps.

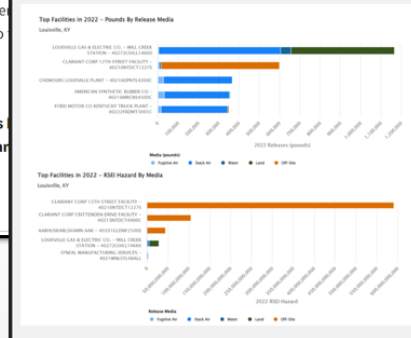
As you consider the sources of chemicals, you may identify facilities that do not report to the TRI. These facilities may be of greatest interest as you prioritize potential targets for pollution reduction efforts and determine your next steps.

WHERE TO FIND THIS INFORMATION

Community Profile: **Top Facilities by RSEI Hazard**
 TRI Toxics Tracker: **Facilities Summary**

[Pop-Up Example](#)

Example: Identifying Top Facilities Based on Releases and RSEI Hazard



For 2022, the top five facilities in Louisville based on pounds of releases are different from the top five facilities based on RSEI Hazard values. Based on pounds, the top facility is an electric utility that reported a large amount of sulfuric acid. The top facility based on RSEI Hazard is a specialty chemical company that primarily reported off-site transfers of chromium and chromium compounds. EPA recommends analyzing both pounds released and RSEI-modeled data to identify priorities for further investigation.

TRI in the Classroom

TRI in the Classroom

Calling all students! How much do you know about what's happening in your community? Do you know if there's a factory near where you live or go to school? If there is, what chemicals is the factory using? Are chemicals from the factory going into the environment?


Before the Emergency Planning and Community Right-to-Know Act was passed, people had no way to easily get these answers! This law created the **Toxics Release Inventory (TRI)** and gave everyone the **right to know** about how companies use chemicals. Now, companies must tell EPA what chemicals they use and what they do with their chemical waste, including how much of each chemical they release into the environment.

The TRI is a starting point for learning about potential impacts to your health and your environment and whether these impacts are greater in your community than in other U.S. communities. See the slides below for details.

What Can Students Learn from the TRI?

- **Become more aware** of what's going on locally:
 - What nearby companies use toxic chemicals?
 - What potentially harmful chemicals are going into the environment?
 - Who may be impacted by these chemical releases?
- **Learn how** companies manage chemical waste in ways that reduce pollution

TRI is also a starting point for learning about topics such as environmental justice, green chemistry, and public health



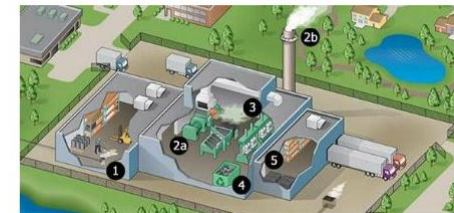
Ready-to-Use Materials

These materials are ready for you to use. They are suggested for high-school-age students.

- **The Power of Community Right to Know:** Short video overview of the right-to-know principle and the TRI Program.



- [Intro to the TRI and Industrial Use of Toxic Chemicals \(pptx\)](#) (22.08 MB) This presentation gives an overview of the TRI Program, why companies use and dispose of toxic chemicals, and the importance of the information reported to the TRI.
- [Investigating Chemical Releases in Your Community \(pdf\)](#) (221.54 KB, 10/18/24) : This worksheet will walk you through using the TRI Toxics Tracker tool to learn what's going on in your city or ZIP code.
- **Look Inside a TRI Facility:** Click on different areas in this interactive graphic to see how companies use chemicals to make products, and where chemicals can enter the environment.



Resources & Contact Information:

TRI Program Website: <https://www.epa.gov/toxics-release-inventory-tri-program>

TRI National Analysis: <https://www.epa.gov/trinationalanalysis>

TRI Regulatory Updates: <https://www.epa.gov/toxics-release-inventory-tri-program/tri-laws-and-regulatory-activities>

Catalog of Applied TRI Data Uses: <https://www.epa.gov/toxics-release-inventory-tri-program/catalog-applied-tri-data-uses>

TRI Toolbox: <https://www.epa.gov/toxics-release-inventory-tri-program/tri-toolbox>

Guide to Using TRI Data to Reduce Pollution in Your Community:

<https://www.epa.gov/toxics-release-inventory-tri-program/guide-using-tri-data-reduce-pollution-your-community>

TRI in the Classroom: <https://www.epa.gov/toxics-release-inventory-tri-program/tri-classroom>

Thank you

Elizabeth Olhasso: Olhasso.alizabeth@epa.gov

Data Analysis and Right-to-Know Branch

Office of Pollution Prevention and Toxics

U.S. Environmental Protection Agency

Washington, DC