

You have arrived at:

Empowering Communities with Environmental Tools to Use

Welcome!
We will get started soon.



EPA MID-ATLANTIC REGION
2024 VIRTUAL SUMMIT

Empowering Communities for Environmental Equity

Friendly Reminders Before We Get Started

Please **mute yourself** and **turn off your webcam** during presentations.

If you encounter technical difficulties during the meeting, you can:

- ✓ Send a chat message directly to Host or IT Support
- ✓ Email epamidatlsummit@michaeldbaker.com with the subject line “Zoom Support” and make sure you let us know what session you are in.

This session is being recorded and will be made available after the summit.

Empowering Communities Using the Environmental & Compliance History Online (ECHO) Tool

Presented by: Andrew Dinsmore

- ▶ Environmental & Compliance History Online (ECHO)
 - ▶ <https://echo.epa.gov/>

What is ECHO?

- USEPA's public website for compliance information about regulated facilities
 - How they are regulated
 - When they are inspected
 - Whether violations on regulations found
 - Whether enforcement action(s) were taken

What is ECHO?

- Integrates data from multiple environmental media
 - CWA – Clean Water Act
 - Oil Discharge, NPDES and Wetlands
 - CAA - Clean Air Act
 - SDWA – Safe Drinking Water Act
 - RCRA – Resource Conservation and Recovery Act
 - Hazardous Waste
 - Underground Storage Tanks

What Are the Sources of ECHO Data?

- ECHO extracts data from other EPA data systems:
 - Integrated Compliance Information Systems (ICIS)
 - Resource Conservation and Recovery Act Information system (RCRAInfo)
 - Safe Drinking Water Information System (SDWIS)
 - Facility Registry Service (FRS)

Full list with refresh dates on “About the Data” page:

<https://echo.epa.gov/resources/echo-data/about-the-data>

What Information Can I look up in ECHO?

- Three-year Compliance Status information
- Five (5) or Ten (10) - Year Inspection and Enforcement history
- USEPA and State, Local, and Tribal environmental agency data
- Environmental Justice (EJ) information
- Toxics Release Inventory (TRI) information
- Media Specific Data (e.g. Releases/Discharges, Inventories, etc)

An official website of the United States government [Here's how you know](#)



- Environmental Topics
- Laws & Regulations
- Report a Violation
- About EPA



Enforcement and Compliance History Online

[Login](#) [Contact Us](#)

Quick Search

Search Options

Analyze Trends

Find EPA Cases

Quick Search

Search By

Location Facility Name/ID

[More Search Options](#)

Use EPA's Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations. You can use ECHO to:

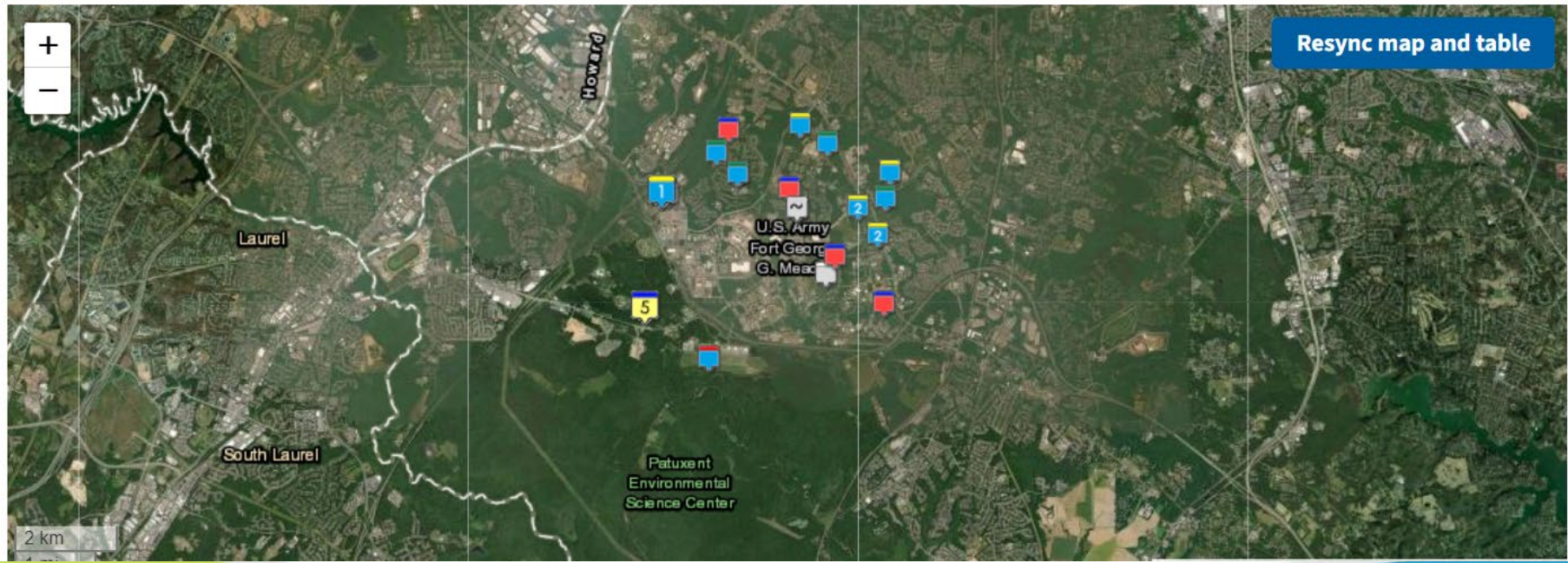
Facility Search Results

⚠️ Michigan, Missouri, Nebraska, North Carolina, Pennsylvania, Vermont, Washington, West Virginia, and Wisconsin are working with EPA to fix problems with their Clean Water Act violation data. [Read More...](#)

👤 Report Violation ? Help

Map Legend Basemap Options EJScreen Add EJ Summary Map Supplemental Indexes (US) ⓘ

Zoom To: 📍 fort meade, md 🔍



Facility Summary

Select a facility row from the search results table.

Current Search

23 Facilities Found

Selected Criteria

- Media Selected: All Media Programs
- City, State, and/or ZIP Code: fort meade, md ✕
- Active/Operating: Yes ✕

Explore Enforcement and Compliance Criteria

- 7 Facilities with Current Violations
- 6 Facilities with Significant Violations
- 8 Facilities with Violations (3 years)
- 2 Facilities with Formal Enforcement Actions (5 years)
- 0 Facilities with Informal Enforcement Actions (5 years)

[View Search Form for More Criteria...](#)

Facility Name	Mapped	Street Address	City	State	FRS ID	Reports	Count of Supplemental Indexes At or Above 80th Percentile (US - Block Group)	Compliance Monitoring Activity (5 years)	Significant Violations	Quarters with Noncompliance (3 years)
PERSHING HILL ELEMENTARY SCHOOL		7600 29TH DIVISION ROAD	FORT GEORGE G MEADE	MD	110011529961		0	0	No	0
POTOMAC PLACE		4998 SECOND CORPS BLVD	FORT MEADE	MD	110059801406		0	0	Yes	11
US ARMY, DPW ENTOMOLOGY PROJECT - FORT GEORGE G. MEADE		294 CHAMBERLIN	FORT MEADE	MD	110071439535		--	0	No	0
USDOD DEPT OF ARMY FORT MEADE		2837 ERNIE PYLE STREET	FORT MEADE	MD	110002069813		0	1	No	0
USEPA REGION 3 ANALYTICAL SERVICES & QUALITY ASSURANCE BRANCH		701 MAPES ROAD	FORT MEADE	MD	110019868721		0	1	No	6
WEST MEADE ELEMENTARY SCHOOL		RAY STREET	FORT MEADE	MD	110002331986		4	0	No	0

Only Show Matches

Facility Characteristics

Facility Type
 2 Major 21 Non-Major

Facility Permit/ID
 11 Has Water Permit (ICIS-NPDES)
 10 Has ICIS-Air ID 6 Has RCRA ID
 2 Has TRI Releases

Enforcement and Compliance Characteristics

8 Facilities with Violations (1 or more quarters within the past 3 years)

Facilities with Formal Enforcement Actions (5 yrs)
 2 Yes 21 No

Facilities with Informal Enforcement Actions (5 yrs)
 0 Yes 23 No

Facilities with Compliance Monitoring Activities within Date Range
 0 Yes 23 No

An official website of the United States government [Here's how you know](#)

EPA United States Environmental Protection Agency

Search EPA.gov

Environmental Topics Laws & Regulations Report a Violation About EPA



Enforcement and Compliance History Online

[Login](#) [Contact Us](#)

- Quick Search**
- Search Options
- Analyze Trends
- Find EPA Cases
- Data Services

Quick Search

Search By

Location **Facility Name/ID**

USEPA **Search**

[More Search Options](#)

Use EPA's Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations. You can use ECHO to:

Facility Search Results

Michigan, Missouri, Nebraska, North Carolina, Pennsylvania, Vermont, Washington, West Virginia, and Wisconsin are working with EPA to fix problems with their Clean Water Act violation data. [Read More...](#)

Report Violation Help

Map Legend Basemap Options

EJScreen Add EJ Summary Map Supplemental Indexes (US)

Zoom To: Enter city, state, and/or zip cod



Facility Summary

Select a facility row from the search results table.

Current Search

491 Facilities Found

Selected Criteria

Media Selected: All Media Programs

Facility Name or ID: USEPA

Explore Enforcement and Compliance Criteria

- 4 Facilities with Current Violations
- 2 Facilities with Significant Violations
- 10 Facilities with Violations (3 years)
- 7 Facilities with Formal Enforcement Actions (5 years)
- 4 Facilities with Informal Enforcement Actions (5 years)

Modify Search

Facility Search – Enforcement and Compliance Data

View More Search Options Collapse All Expand All Related Tools Help

Search Media Program

Choose a Media Program ⚠

All Media Programs

Geographic Location

EPA Region (View EPA Regional Map)

No Restrictions

City

State/Territory

Maryland

Search Criteria Selected

Search Media Program

Media Selected: All Media Programs

Geographic Location

State/Territory: Maryland

Facility Characteristics

Facility Name or ID: USEPA

Active/Operating: Yes

Results View

Interactive Map

Data Table

Search



[Customize Columns](#)
[Download Data](#)
[Quick CSV Download](#)
🗄️ [Source Data](#)
📖 [Results Guide](#)
☰ [Reports Legend](#)
⊕

Facility Name	Mapped	Street Address	City	State	FRS ID	Reports	Count of Supplemental Indexes At or Above 80th Percentile (US - Block Group)	Compliance Monitoring Activity (5 years)	Significant Violations	Quarters with Noncompliance (3 years)	Form Enforcement Action year
USEPA REGION 3 ANALYTICAL SERVICES & QUALITY ASSURANCE BRANCH	📍	701 MAPES ROAD	FORT MEADE	MD	110019868721	C	0	1	No	6	

Active/Operating: res

Explore Enforcement and Compliance Criteria

- 0 Facilities with Current Violations
- 0 Facilities with Significant Violations
- 1 Facilities with Violations (3 years)
- 0 Facilities with Formal Enforcement Actions (5 years)
- 0 Facilities with Informal Enforcement Actions (5 years)

[Modify Search](#)

Filter Facilities -

Not Filtering on 1 Facilities

Only Show Matches

Facility Characteristics

Facility Type

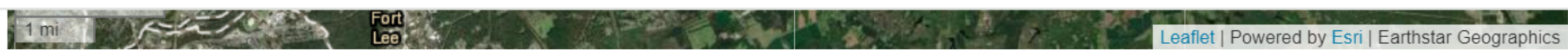
- 0 Major 1 Non-Major

Facility Permit/ID

- 0 Has Water Permit (ICIS-NPDES)
- 1 Has ICIS-Air ID 1 Has RCRA ID
- 0 Has TRI Releases

Enforcement and Compliance Characteristics

- 1 Facilities with Violations (1 or more quarters within the past 3 years)



Facility Name	Mapped	Street Address	City	State	FRS ID	Reports	Count of Supplemental Indexes At or Above 80th Percentile (US - Block Group)	Compliance Monitoring Activity (5 years)	Significant Violations	Quarters with Noncompliance (3 years)
[Redacted]						C	8	0	No	0
[Redacted]						C X	7	0	No	0
[Redacted]						C A	8	0	No	0
[Redacted]						C I A E L X D	0	15	Yes	12
[Redacted]						C X	8	2	No	0
[Redacted]						C	8	0	No	0
[Redacted]						C I A E	0	4	Yes	6

Redacted

view Search Form for more Criteria...

Filter Facilities

Not Filtering on 69 Facilities

Only Show Matches

Facility Characteristics

Facility Type

6 Major 63 Non-Major

Facility Permit/ID

32 Has Water Permit (ICIS-NPDES)

23 Has ICIS-Air ID 37 Has RCRA ID

16 Has TRI Releases

Enforcement and Compliance Characteristics

12 Facilities with Violations (1 or more quarters within the past 3 years)

1 2 3 4 5 6 7 8 9 10 11 12

Facilities with Formal Enforcement Actions (5 yrs)

4 Yes 65 No

1 2 3 4 5

Facilities with Informal Enforcement Actions (5 yrs)

10 Yes 59 No

Statute	Monitoring Activities (5 years)	Compliance Monitoring Activity	Compliance Status	With NC (of 12)	Significant Violation	Enforcement Actions (5 years)	Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Cases (5 years)	From EPA Cases (5 years)
CAA	3 ⓘ	08/2023	High Priority Violation	12	12	7	1	\$123,082	2	\$0
CERCLA	--		--	--	--	--	--	--	--	--
CWA	9	07/2022	Violation Identified	8	1	6	4	\$51,885	1	\$0
EPCRA	1	04/2022	--	--	--	--	--	--	--	--
RCRA	1	04/2022	Violation	4	0	--	--	--	--	--
TSCA	1	08/2019	--	--	--	--	--	--	--	--

Regulatory Information

Clean Air Act (CAA): Operating Major [REDACTED]

Clean Water Act (CWA): Non-Major, Permit Effective [REDACTED], Major, Permit Admin Continued [REDACTED], Non-Major, Permit Effective [REDACTED]

Resource Conservation and Recovery Act (RCRA): Inactive Other, [REDACTED], Inactive Other, [REDACTED], Active LQG, Legacy TSDF, [REDACTED]

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): [REDACTED]

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): [REDACTED]

Compliance and Emissions Data Reporting Interface (CEDRI): [REDACTED]

Customize Report	Facility Summary	Facility/System Characteristics	Enforcement and Compliance	Environmental Conditions	Pollutants	Community	
CWA	[REDACTED]	ICIS-NPDES	Inspection/Evaluation	Base Program - Evaluation	EPA	[REDACTED] 2022	
CWA	[REDACTED]	ICIS-NPDES	Inspection/Evaluation	Base Program - Evaluation	EPA	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
EPCRA	[REDACTED]	ICIS	Inspection/Evaluation	Evaluation	EPA	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
RCRA	[REDACTED]	RCRAInfo/ICIS	Inspection/Evaluation	Compliance Evaluation Inspection	EPA	[REDACTED] 2022	Violations Or Compliance Issues Were Found
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 2022	
CAA	[REDACTED]	ICIS-Air	Inspection/Evaluation	PCE Off-Site	State	[REDACTED] 03/17/2022	

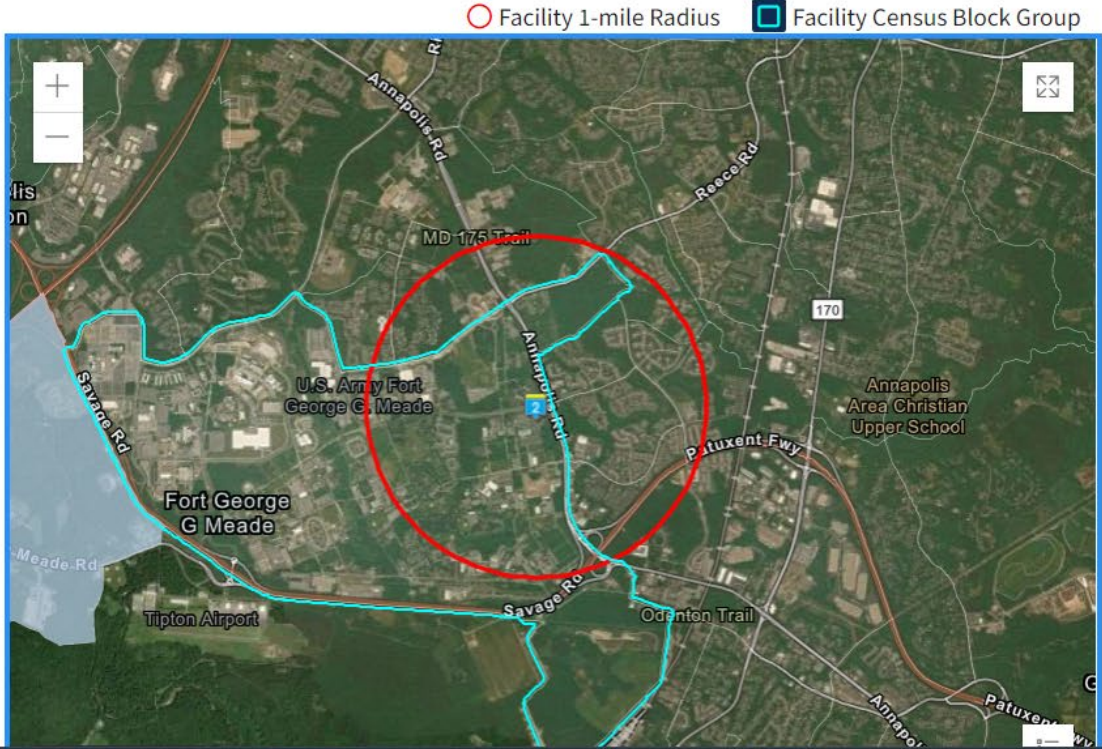
Customize Report					Facility Summary		Facility/System Characteristics		Enforcement and Compliance		Environmental Conditions		Pollutants			Community				
Statute	Program/Pollutant/Violation Type				QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9							
	CWA (Source ID: [REDACTED])				01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23							
	Facility-Level Status				No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified							
	Quarterly Noncompliance Report History																			
	CWA (Source ID: [REDACTED])				01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23							
	Facility-Level Status				No Violation Identified	Significant/Category I Noncompliance	No Violation Identified	Violation Identified	Violation Identified	Violation Identified	Violation Identified	Violation Identified	No Violation Identified							
	Quarterly Noncompliance Report History				Effluent - Monthly Average Limit		Resolved	Other Violation	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Resolved						
	Pollutant	Disch Point	Mon Loc	Freq																
▶ CWA	Carbon, tot organic (TOC)	001 - M1	Effluent Gross	NMth	6%															
▶ CWA	pH	001 - M1	Effluent Gross	NMth																
▶ CWA	pH	001 -	Effluent	Neither																

📄 Download Data


Supplemental Indexes	US (Percentile)			State (Percentile)		
	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Count of Indexes At or Above 90th Percentile	0	0	0	0	0	0
Particulate Matter 2.5	30	33	53	43	50	69
Ozone	59	63	84	55	60	81
Diesel Particulate Matter	48	52	72	43	48	66
Air Toxics Cancer Risk	58	60	73	40	44	72
Air Toxics Respiratory Hazard Index	60	63	81	61	63	79
Toxic Releases to Air	32	38	64	52	60	83
Traffic Proximity	31	39	58	31	41	61
Lead Paint	32	18	42	40	16	50
Risk Management Plan (RMP) Facility Proximity	45	51	75	53	58	80
Hazardous Waste Proximity	53	57	77	55	60	79
Superfund Proximity	60	64	82	62	65	85
Underground Storage Tanks (UST)	30	32	51	35	39	60
Wastewater Discharge	24	25	52	42	44	77


Map Display Based on: US State


Display Map Layer:




 **Quick Search**

 **Search Options**

 **Analyze Trends**

 **Find EPA Cases**

 **Data Services**

 **Help**

 **News**

Help



[About the Data](#)



[Video Tutorials](#)



[Quick Start Guide](#)



[Webinar Trainings](#)



[ECHO Tool Guide](#)

How To...

- [Report a Data Error](#)
- [Run ECHO Facility Searches](#)
 - [Facility Search Criteria Help](#)
 - [Search Results Help](#)
- [Run EPA Enforcement Case Searches](#)
- [Use and Understand ECHO Reports](#)
 - [Detailed Facility Report Data Dictionary](#)
- [Use ECHO EPA/State Dashboards](#)
- [Register and Log In](#)

General Information

- [Known Data Problems](#)
- [ECHO Tool Guide](#)
- [Frequently Asked Questions](#)
- [ECHO Site Map](#)
- [Report a Violation](#)
- [Website Known Issues](#)

More [help on how to use ECHO tools](#) and [additional resources](#) are available.

Resources

- ECHO Tool Guide: <https://echo.epa.gov/resources/general-info/tool-guide>
- ECHO Video Tutorials: <https://echo.epa.gov/help/tutorials>
- State Agency Websites:
 - <https://echo.epa.gov/resources/echo-data/state-websites>
- ECHO Mailing List: <https://echo.epa.gov/resources/general-info/listserv>

Empowering Communities Using Toxics Release Inventory Tools

Presented by: Camille Lukey

- ▶ TRI Toxics Tracker

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

What is the Toxics Release Inventory (TRI)?

- ▶ Toxics Release Inventory (TRI) was established by the Emergency Planning and Community Right-to-Know Act (EPCRA) in 1986
- ▶ TRI is a **public database** of the quantities of **toxic chemicals** that are released, recycled, and treated in the U.S. each year. TRI includes information on:



Releases



Waste
Transfers



Recycling &
Treatment



Pollution
Prevention

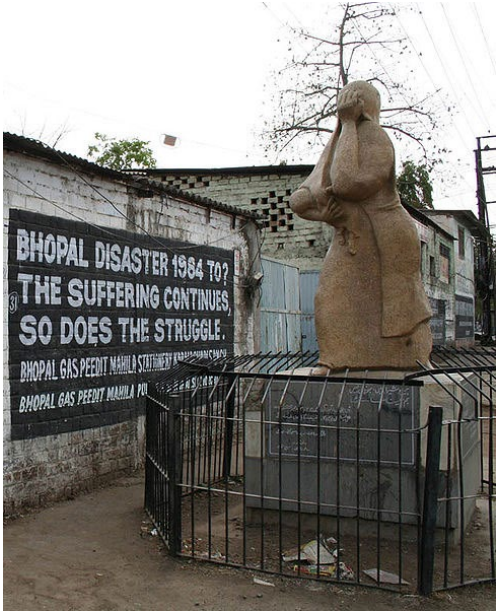
- ▶ Includes facility-level information on quantities chemicals released to air, water, land and shipped off-site

What is the Toxics Release Inventory (TRI)?

- ▶ TRI includes data submitted by **~21,000 industrial facilities**
 - TRI covers many—but not all—industry sectors
- ▶ TRI covers **more than 800 toxic chemicals** and chemical categories
- ▶ TRI is an annual reporting requirement



Why was the Toxics Release Inventory created?



Bhopal memorial for those killed and disabled by the 1984 toxic gas release

Bhopal, India December 1984

- ▶ Methyl isocyanate gas released at a Union Carbide chemical plant
- ▶ Thousands died the first night
- ▶ Thousands more died due to long-term health effects

Institute, West Virginia August 1985

- ▶ Chemical release at a similar facility in the U.S.
- ▶ Over 100 people hospitalized

Increased concern in the U.S. about chemical accident preparedness and availability of information on toxic chemical releases from industrial facilities

What can TRI tell you about your community?

- ▶ What industrial facilities are in or near your community?
- ▶ What do they make?
- ▶ What chemicals do they release to the environment?
 - How much of each chemical do they release?
- ▶ In addition to releases, do they manage chemical waste such as through treatment or recycling?
- ▶ What are they doing to reduce their chemical releases and wastes?



Who uses the TRI data?



▶ Citizens/Communities/NGOs

- Investigating public health concerns
- Approaching companies about reducing emissions



▶ Media

- Trends in chemical emissions in an area
- Evaluating environmental conditions



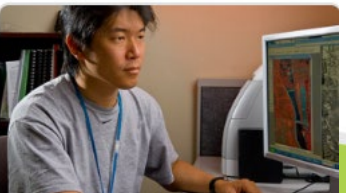
▶ Industry

- Assessing company progress toward sustainability goals
- Comparing their emissions to other companies



▶ Government

- Set targets, track progress
- Inform policy



▶ Researchers

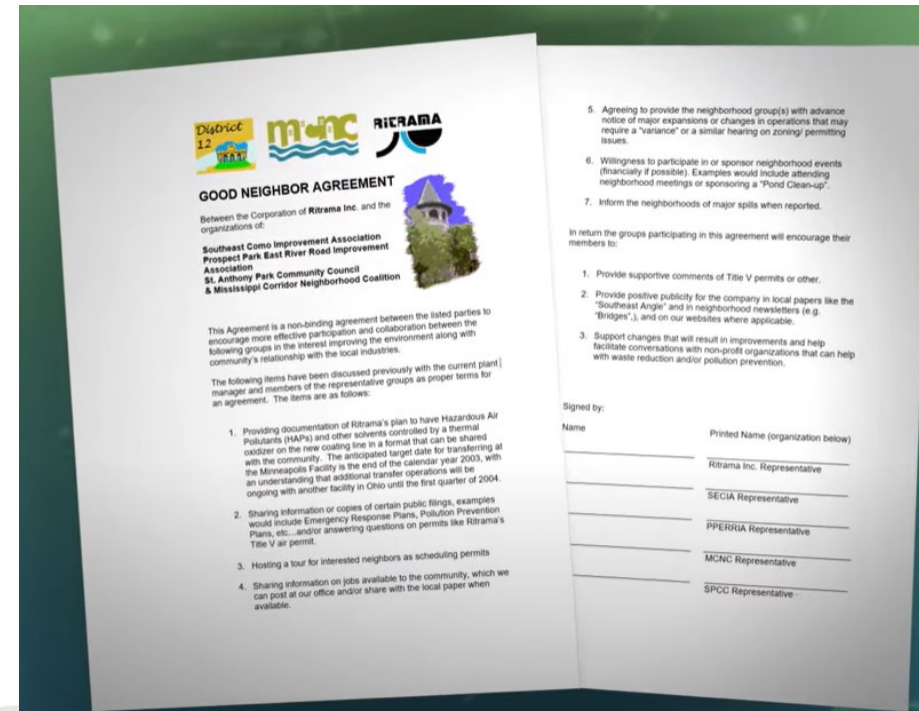
- In academic curricula
- In analytical analyses

TRI data in action: a community success story

Minneapolis, MN

A Como neighborhood association conducted an environmental inventory of their community using TRI data. They identified the top 10 businesses with high air emissions.

- ▶ Residents set up a good neighbor agreement with facilities to collaborate to improve the environment. For example, one of the facilities:
 - ▶ Transitioned from solvent-based to water-based adhesives
 - ▶ Hastened the installation of a pollution control device
- ▶ Outcomes
 - ▶ Approximately 1,300 tons of TRI pollutants reduced
 - ▶ Working relationship between the business and the community
 - ▶ MN Governor's Award for Excellence in Waste and Pollution Prevention



See more examples in TRI Data Uses Catalog

[Toxics Release Inventory \(TRI\) Program](#)

[CONTACT US](#)

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](#)

How can I find TRI information on my community?

- ▶ Example scenario: I want to find out more about an industrial facility in my area



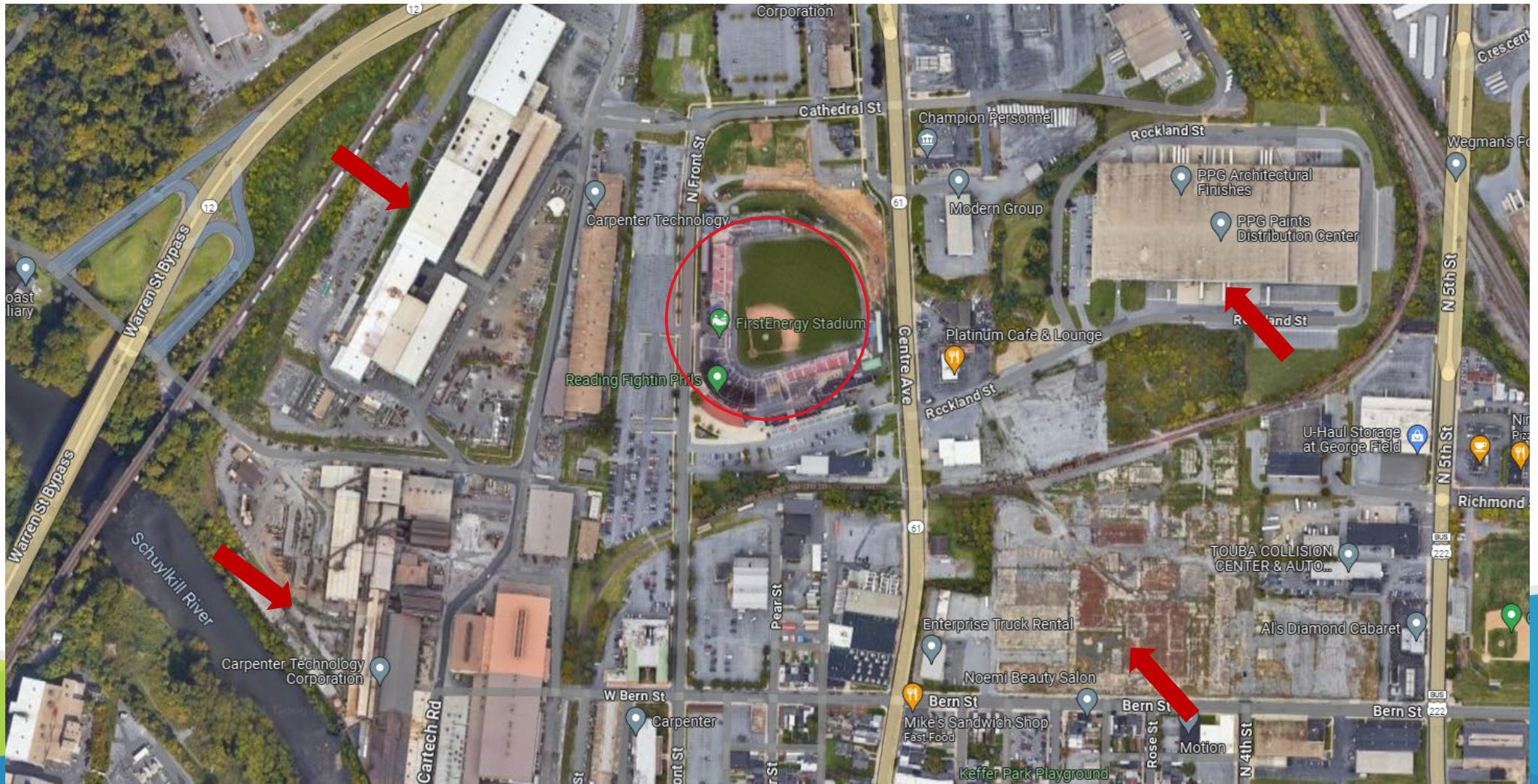
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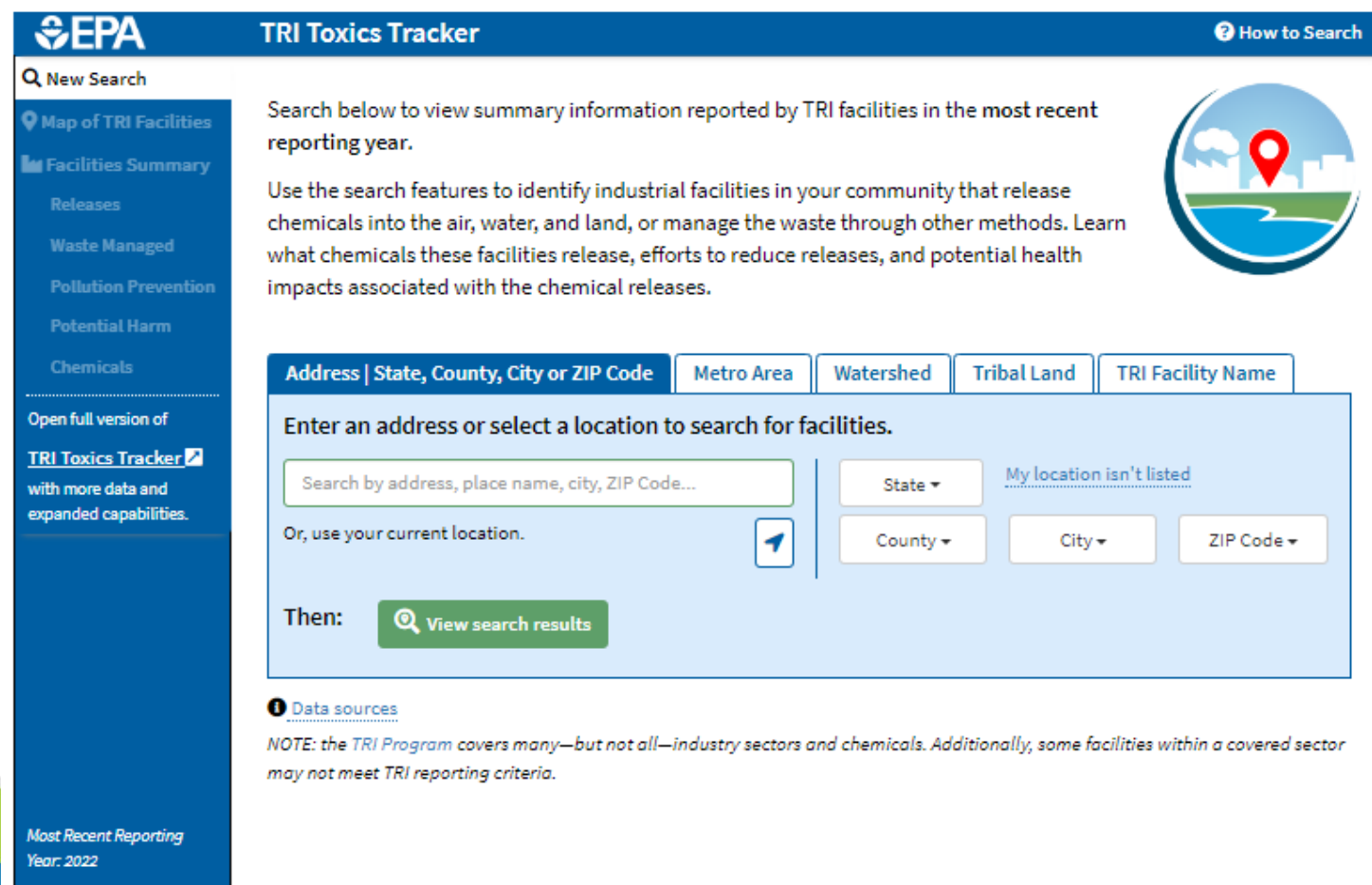
How can I find TRI information on my community?

- ▶ Example scenario: I want to find out more about an industrial facility in my area



How can I find TRI information on my community?

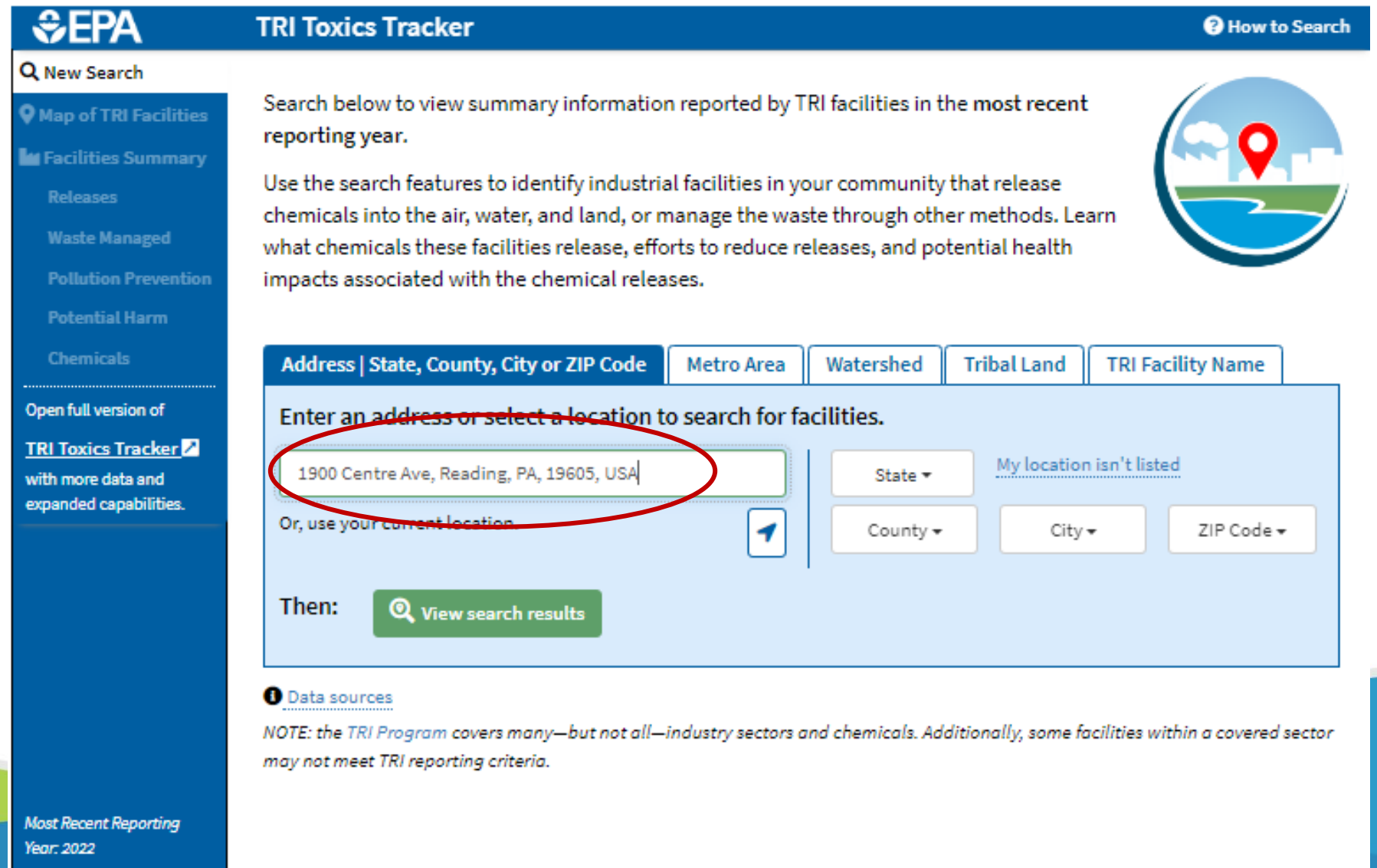
- ▶ Use the TRI data search tool called **TRI Toxics Tracker**
 - <https://www.epa.gov/toxics-release-inventory-tri-program>



The screenshot shows the EPA TRI Toxics Tracker search interface. The header includes the EPA logo, the title "TRI Toxics Tracker", and a "How to Search" link. A left sidebar contains navigation options: "New Search", "Map of TRI Facilities", "Facilities Summary", "Releases", "Waste Managed", "Pollution Prevention", "Potential Harm", and "Chemicals". Below the sidebar, there is a link to "Open full version of TRI Toxics Tracker with more data and expanded capabilities." The main content area features a search instruction: "Search below to view summary information reported by TRI facilities in the most recent reporting year." It also provides a brief explanation of the tool's purpose. A search form is present with tabs for "Address | State, County, City or ZIP Code", "Metro Area", "Watershed", "Tribal Land", and "TRI Facility Name". The "Address" tab is active, showing a search input field, a "State" dropdown, and a "My location isn't listed" link. Below the input field, there is a "City" dropdown and a "ZIP Code" dropdown. A "View search results" button is located below the search form. A "Data sources" note is at the bottom, stating: "NOTE: 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." The footer of the interface indicates "Most Recent Reporting Year: 2022".

TRI Toxics Tracker demo

- ▶ Enter a location (address or city name or county, etc.)



The screenshot shows the EPA TRI Toxics Tracker website. The header includes the EPA logo, the title "TRI Toxics Tracker", and a "How to Search" link. A left sidebar contains navigation options: "New Search", "Map of TRI Facilities", "Facilities Summary", "Releases", "Waste Managed", "Pollution Prevention", "Potential Harm", and "Chemicals". Below the sidebar, there is a link to "Open full version of TRI Toxics Tracker" with a note about expanded capabilities. The main content area features a search instruction: "Search below to view summary information reported by TRI facilities in the most recent reporting year." and a descriptive paragraph about the search features. A search interface is highlighted with a red circle, showing a text input field with the address "1900 Centre Ave, Reading, PA, 19605, USA", a "State" dropdown menu, and a "My location isn't listed" link. Below the input field are buttons for "County", "City", and "ZIP Code". A "View search results" button is located below the search area. At the bottom, there is a "Data sources" section with a note: "NOTE: 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." The footer indicates the "Most Recent Reporting Year: 2022".

EPA TRI Toxics Tracker [How to Search](#)

New Search

- Map of TRI Facilities
- Facilities Summary
 - Releases
 - Waste Managed
 - Pollution Prevention
 - Potential Harm
 - Chemicals

Open full version of [TRI Toxics Tracker](#) with more data and expanded capabilities.

Search below to view summary information reported by TRI facilities in the most recent reporting year.

Use the search features to identify industrial facilities in your community that release chemicals into the air, water, and land, or manage the waste through other methods. Learn what chemicals these facilities release, efforts to reduce releases, and potential health impacts associated with the chemical releases.

Address | State, County, City or ZIP Code | Metro Area | Watershed | Tribal Land | TRI Facility Name

Enter an address or select a location to search for facilities.

1900 Centre Ave, Reading, PA, 19605, USA

State [My location isn't listed](#)

County City ZIP Code

Or, use your current location

Then: [View search results](#)

Data sources

NOTE: 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.

Most Recent Reporting Year: 2022

TRI Toxics Tracker demo

- ▶ Results: The interactive map shows 28 TRI facilities within 10 miles of the stadium

You can change the dot size and color to show "Potential Harm" instead of "Releases"

Bigger and darker dots indicate greater releases

You can customize the search distance

The screenshot displays the EPA TRI Toxics Tracker interface. At the top, it shows the EPA logo and the title "TRI Toxics Tracker". Below this, a green banner indicates the search location: "Summary of 28 TRI facilities within 10 miles of 1900 Centre Ave, Reading, Pennsylvania, 19605". The main content area is titled "Map of TRI Facilities - Reporting Year 2022" and includes a "MORE INFO" button, "FULLSCREEN" and "PRINT" options, and navigation arrows for "BACK" and "FORWARD".

On the left, a blue sidebar menu contains the following items: "New Search", "Map of TRI Facilities", "Facilities Summary", "Releases", "Waste Managed", "Pollution Prevention", "Potential Harm", "Chemicals", "Open full version of TRI Toxics Tracker", and "with more data and expanded capabilities".

The central panel features a "Total Releases by Facility in 2022" legend with five categories: 0 lb, >0 - 100 lb, 101 - 10,000 lb, 10,001 - 100,000 lb, and >100,000 - 1,000,000 lb. It also includes options for "Dot size represents:" (Releases (lb) or Potential Harm) and "Dot color represents:" (Releases (lb) or Industry Sector). "Map Options" include a search radius of 10 miles and checkboxes for "Show other EPA-regulated facilities" and "Show demographic data".

The map shows a circular search area centered on Reading, Pennsylvania, with 28 facilities marked by colored dots of varying sizes. A red callout points to one of the dots, stating "Each dot represents one TRI facility".

Each dot represents one TRI facility

TRI Toxics Tracker demo

- ▶ Results: Interactive maps shows 7 TRI facilities within 2 miles of the stadium

The screenshot shows the EPA TRI Toxics Tracker interface. The header includes the EPA logo, the title "TRI Toxics Tracker", and a "How to Search" link. Below the header, a green bar displays the search criteria: "Summary of 7 TRI facilities within 2 miles of 1900 Centre Ave, Reading, Pennsylvania, 19605". Navigation buttons for "BACK" and "FORWARD" are present.

The main content area is titled "Map of TRI Facilities - Reporting Year 2022" and includes "MORE INFO", "FULLSCREEN", and "PRINT" buttons. A text box explains: "To view data about an individual facility, click on the facility location and then the green checkmark button. Next, select 'Facilities Summary' from the left menu to find basic facility information, an EJ report and demographic statistics."

The left sidebar contains a "New Search" button and a "Map of TRI Facilities" link. Below this is a "Facilities Summary" section with a list of filters: Releases, Waste Managed, Pollution Prevention, Potential Harm, and Chemicals. At the bottom of the sidebar, there is a link to "Open full version of TRI Toxics Tracker with more data and expanded capabilities."

The main content area includes a "Total Releases by Facility in 2022" section with a legend for dot size representing release ranges: 0 lb, >0 - 100 lb, 101 - 10,000 lb, 10,001 - 100,000 lb, 100,001 - 1,000,000 lb, and >1,000,000 lb. The "Dot size represents:" section has "Releases (lb)" selected. The "Dot color represents:" section has "Releases (lb)" selected. The "Map Options" section includes a "Change search radius:" control set to 2 miles, a "Show other EPA-regulated facilities" toggle, and a "Show demographic data" toggle.

The map shows a circular search radius of 2 miles centered on 1900 Centre Ave, Reading, Pennsylvania. Seven facilities are marked with colored dots of varying sizes. The map includes labels for "Riverview Park", "Muhlenberg Park", "Hyde Park", "Laureldale", "Benharts", "College Heights", "Berkshire Heights", "West Reading", and "Reading". A scale bar indicates 1 mile. The footer of the map area says "© OpenStreetMap contributors".

A red callout box with the text "Changed to 2 miles" points to the "Change search radius:" control in the "Map Options" section.

TRI Toxics Tracker demo

- ▶ Select a facility by clicking on the map

Use the left menu to learn more about the selected facility

The screenshot displays the EPA TRI Toxics Tracker interface. At the top, the EPA logo and "TRI Toxics Tracker" are visible, along with a search bar and navigation links. The main heading reads "Summary of 1 TRI facility within 2 miles of 1900 Centre Ave, Reading, Pennsylvania, 19605". Below this, there are buttons for "MORE INFO", "FULLSCREEN", and "PRINT".

The left sidebar contains a navigation menu with the following items: "New Search", "Map of TRI Facilities", "Facilities Summary", "Releases", "Waste Managed", "Pollution Prevention", "Potential Harm", "Chemicals", "Open full version of TRI Toxics Tracker with more data and expanded capabilities.", and "Most Recent Reporting Year: 2022". A red callout box points to the "Facilities Summary" section of the menu.

The main content area features a "Map of TRI Facilities - Reporting Year 2022" section. It includes a "Total Releases by Facility in 2022" legend with five categories: 0 lb, >0 - 100 lb, 101 - 10,000 lb, 10,001 - 100,000 lb, and 100,001 - 1,000,000 lb. The "Dot size represents" legend is set to "Releases (lb)", and the "Dot color represents" legend is also set to "Releases (lb)". The "Map Options" section includes a "Change search radius" option (circled in red) with a "Miles" input field set to 2, and checkboxes for "Show other EPA-regulated facilities" and "Show demographic data".

The map shows a 2-mile radius around the facility location in Reading, Pennsylvania, with various parks and neighborhoods labeled. A large purple dot indicates the selected facility. The map includes a scale bar for 1 mile and a copyright notice for OpenStreetMap contributors.

TRI Toxics Tracker demo

- ▶ The **Facilities Summary** shows the facility location and contact information

EPA TRI Toxics Tracker How to Search

Summary of 1 TRI facility within 10 miles of Reading, Pennsylvania

< BACK FORWARD >

New Search
Map of TRI Facilities
Facilities Summary
Releases
Waste Managed
Pollution Prevention
Potential Harm
Chemicals
Open full version of TRI Toxics Tracker with more data and expanded capabilities.

Individual Facility Summary - Most Recent Reporting Year: 2022

Facility Basics Facility List EJ Report Compliance and Enforcement

Facility Information

Physical Information
ACME MANUFACTURING
123 MAIN ST
READING, PA 19601
Industry Sector: Primary Metals
Industry Subsector: **Iron and Steel Manufacturing**
Primary NAICS Code: Iron and Steel Manufacturing
Date of Last Inspection: 9/21/2023
TRI Facility ID (TRIFID): 19601CMEM123MAI

Contact Information
Public Contact: JOHN.MILLER@ACMEMFG.COM

Related Information

Other EPA Program IDs
Facility Registry Service (FRS): 110010267237
ICIS-Air: PA000470235
NPDES: PA0013129
RCRA: PAD002344315

Other Reports About This Facility
[View TRI Facility Report on Envirofacts](#)
[View P2 Report on Envirofacts](#)
[View RSEI Facility Report on Envirofacts](#)
[View EJSCREEN Report](#)

Most Recent Reporting Year: 2022

Name and address of the facility

View what the facility does

Includes a public contact at the facility

TRI Toxics Tracker demo

- ▶ Releases shows most of the releases are nitrate compounds

See what chemicals the facility released

EPA TRI Toxics Tracker | How to Search

Summary of 1 TRI facility within 10 miles of Reading, Pennsylvania

Releases [MORE INFO](#) | Change Your Search Radius (Miles): 10

A "release" refers to different ways that toxic chemicals from industrial facilities enter the air, water and land. Releases include spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment.

[By Chemical](#) | [Trend by Media and Year](#) | [PRINT](#) | [DOWNLOAD](#)

Total Disposal or Other Releases by Chemical for 2022

Total Releases: 877,758 lb

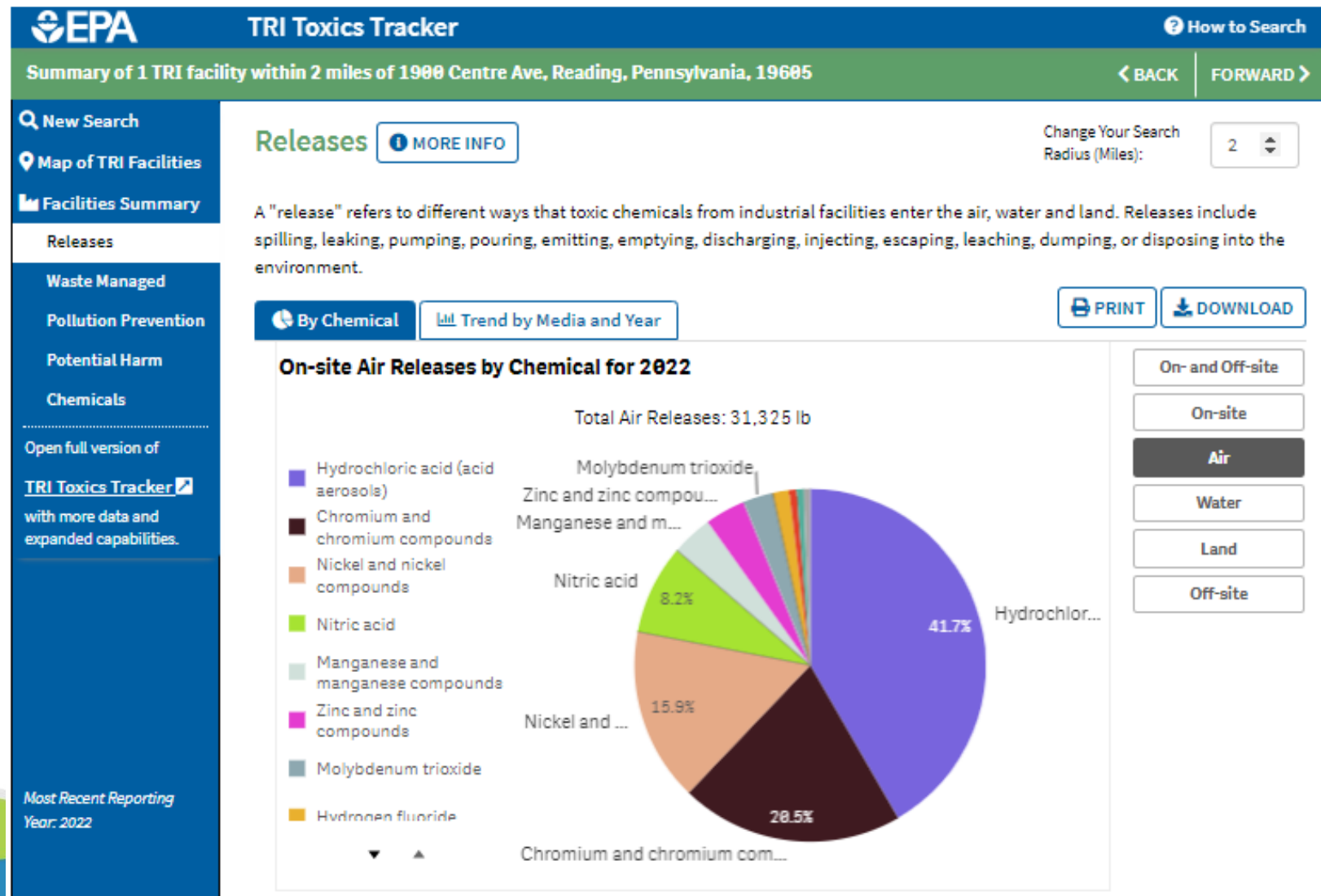
Chemical	Percentage
Nitrate compounds (water dissociable)	96.8%
Hydrochloric acid (acid aerosols)	[Small percentage]
Chromium and chromium compounds	[Small percentage]
Nickel and nickel compounds	[Small percentage]
Nitric acid	[Small percentage]
Zinc and zinc compounds	[Small percentage]
Manganese and manganese compounds	[Small percentage]
Aluminum (fume or dust)	[Small percentage]

On- and Off-site: On-site, Air, Water, Land, Off-site

Most Recent Reporting Year: 2022

TRI Toxics Tracker demo

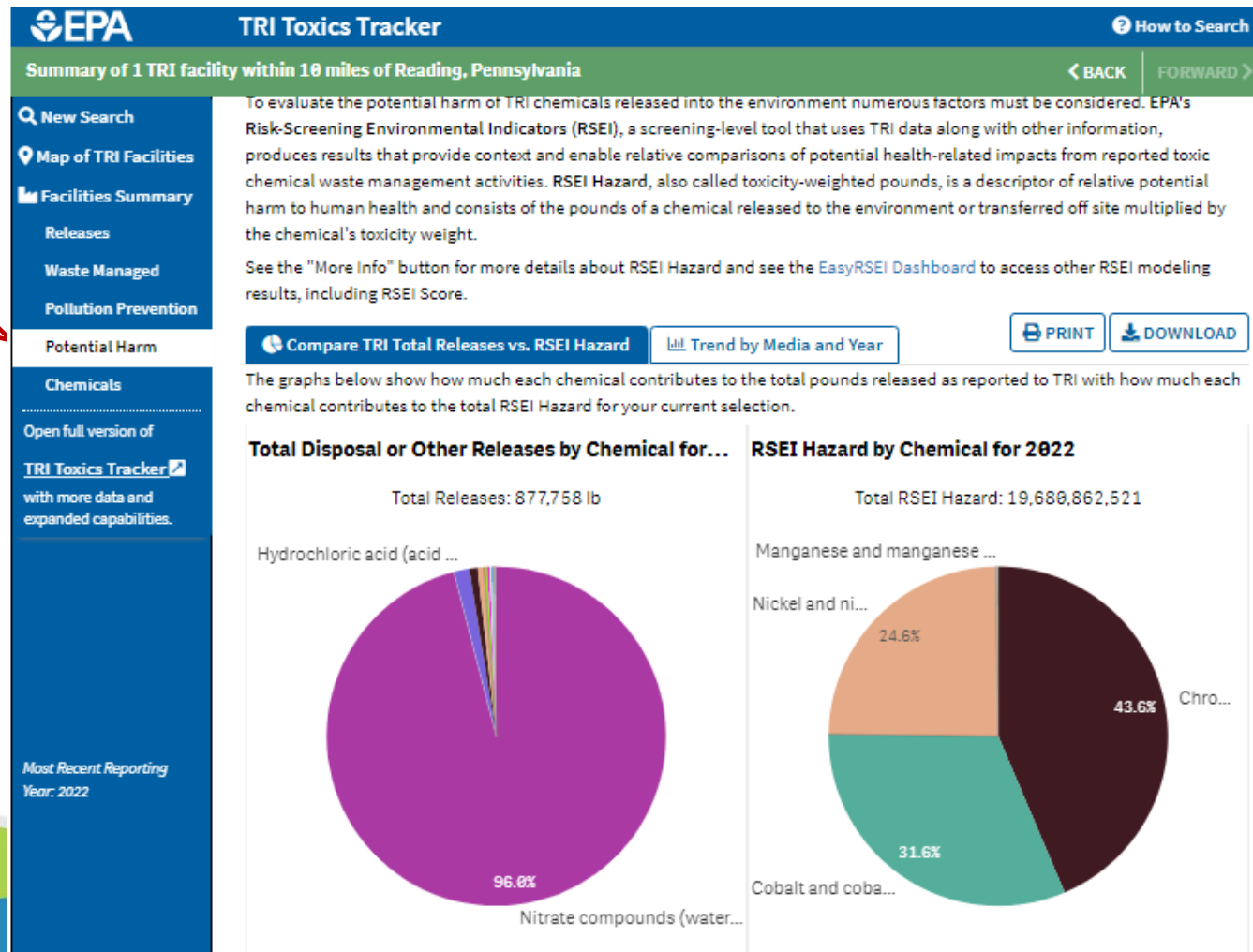
- ▶ Focusing on **Air Releases** shows numerous chemicals released to air



TRI Toxics Tracker demo

- ▶ **Potential Harm** shows chromium, cobalt and nickel releases drive potential harm
- ▶ See the **EasyRSEI Dashboard** for more on relative potential harm and risk

The pie on the left shows **pounds** of releases and the pie on the right shows **“hazard,”** which is pounds released weighted by the chemical’s toxicity



TRI Toxics Tracker demo

EPA TRI Toxics Tracker How to Search

Summary of 1 TRI facility within 10 miles of Reading, Pennsylvania < BACK FORWARD >

Chemicals [MORE INFO](#) Change Your Search Radius (Miles): 10

This section lists the potential health effects associated with the chemicals released by the facilities in your search area.

Chemicals [Definitions](#)

Chemical	2022 Releases (lb)	2022 RSEI Hazard	Health Effects	Health Effect Notes
Totals	877,758	19,680,862,521		
Chromium compounds (N090)	6,770	8,582,358,000	Gastrointestinal, Hematological, Respiratory	Cancer: Known to be a hu carcinogen only applies to chromium (VI) compound
Cobalt compounds (N096)	222	6,216,000,000	Hematological, Respiratory	Cancer: The agent is poss carcinogenic to humans c applies to inorganic cobal
Nickel compounds (N495)	5,462	4,838,816,972	Body Weight, Cancer, Hematological, Immunological, Respiratory	
Manganese compounds (N450)	1,622	19,464,000	Neurological	
Molybdenum trioxide (1313-27-5)	917	13,755,000	Cancer	
Vanadium compounds (N770)	328	4,592,000	Hematological, Respiratory	
Hydrochloric acid (acid aerosols) (7647-01-0)	13,053	2,349,540	Respiratory	

Most Recent Reporting Year: 2022

See a list of the chemicals released, their hazard, and health effects

TRI Toxics Tracker demo

- ▶ **Pollution Prevention** shows this facility did not implement any P2 in 2022

The screenshot displays the EPA TRI Toxics Tracker interface. The header includes the EPA logo, the title "TRI Toxics Tracker", and a "How to Search" link. Below the header, a green bar indicates the search results: "Summary of 1 TRI facility within 10 miles of Reading, Pennsylvania". Navigation buttons for "BACK" and "FORWARD" are present. The left sidebar contains a menu with options: "New Search", "Map of TRI Facilities", "Facilities Summary", "Releases", "Waste Managed", "Pollution Prevention", "Potential Harm", and "Chemicals". The main content area is titled "Pollution Prevention (P2) - Source Reduction" and includes a "MORE INFO" button and a search radius selector set to 10 miles. A descriptive paragraph explains source reduction. Below this, there are "By Chemical" and "Trend by Method and Year" tabs, along with "PRINT" and "DOWNLOAD" buttons. The main heading for the data section is "Number of Newly Implemented Source Reduction Activities for 2022". The data area is currently empty, displaying the message: "There are no source reduction activities reported for your current selection". At the bottom left of the sidebar, it states "Most Recent Reporting Year: 2022".

See what "pollution prevention" activities the facility implemented to reduce chemical releases and wastes

TRI Toxics Tracker demo

The screenshot shows the EPA TRI Toxics Tracker website. The header includes the EPA logo, the title "TRI Toxics Tracker", and a "How to Search" link. A left sidebar contains navigation options: "New Search", "Map of TRI Facilities", "Facilities Summary", "Releases", "Waste Managed", "Pollution Prevention", "Potential Harm", and "Chemicals". Below these is a link to "Open full version of TRI Toxics Tracker with more data and expanded capabilities." The main content area features a search instruction: "Search below to view summary information reported by TRI facilities in the most recent reporting year." It also includes a descriptive paragraph about the search features. A search form is present with tabs for "Address | State, County, City or ZIP Code", "Metro Area", "Watershed", "Tribal Land", and "TRI Facility Name". The "Address" tab is active, showing a search input field, a "State" dropdown, a "County" dropdown, a "City" dropdown, and a "ZIP Code" dropdown. A "View search results" button is located below the form. A "Data sources" section with a note is at the bottom. A "Most Recent Reporting Year: 2022" label is in the bottom left corner. A circular icon with a location pin and a factory is in the top right.

EPA TRI Toxics Tracker [How to Search](#)

New Search

- Map of TRI Facilities
- Facilities Summary
- Releases
- Waste Managed
- Pollution Prevention
- Potential Harm
- Chemicals

Open full version of [TRI Toxics Tracker](#) with more data and expanded capabilities.

Search below to view summary information reported by TRI facilities in the most recent reporting year.

Use the search features to identify industrial facilities in your community that release chemicals into the air, water, and land, or manage the waste through other methods. Learn what chemicals these facilities release, efforts to reduce releases, and potential health impacts associated with the chemical releases.

Address | State, County, City or ZIP Code | Metro Area | Watershed | Tribal Land | TRI Facility Name

Enter an address or select a location to search for facilities.

Search by address, place name, city, ZIP Code... | State ▾ | [My location isn't listed](#)

Or, use your current location. | County ▾ | City ▾ | ZIP Code ▾

Then: [View search results](#)

Data sources

NOTE: 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.

Most Recent Reporting Year: 2022

There are even more data exploration capabilities in the full version of the TRI Toxics Tracker

TRI Pollution Prevention Search Tool

- ▶ Use this tool to see what other facilities have done to prevent pollution

TRI Pollution Prevention (P2) Search

Search Criteria

Show P2 info for facilities
 Show P2 info for parent companies

Select one or more Industry Sector(s): [?](#)

Iron and Steel Mills and Ferroalloy Manufacturing - 331110 ✕

Select one or more Chemical(s) or Chemical Group(s) [?](#):

Chromium compounds (except for chromite ore mined in the Transvaal Region) - N090 (N090) ✕
Cobalt compounds - N096 (N096) ✕
Nickel compounds - N495 (N495) ✕

Select one or more Year(s): [?](#)

2014-2022

Select a Region: [?](#)

No Region Selected

Select one or more State(s): [?](#) Enter a ZIP Code or City Name: [?](#)

All States

[Show P2 Activities](#) [Display Facility Comparison](#) [Clear](#)

Select the **sector** of interest

Select the **chemicals** of interest



TRI Pollution Prevention Search Tool

List of Facilities in TRI submitting Pollution Prevention Information for Selected Criteria:

<p>Industry: Iron and Steel Mills and Ferroalloy Manufacturing</p> <p>Chemical: Chromium compounds (except for chromite ore mined in the Transvaal Region)</p> <p>Chemical: Cobalt compounds</p> <p>Chemical: Nickel compounds</p> <p>Year: between 2014 and 2022</p>	<p>P2 Text Filters: <input type="text" value="Only show information about source reduction activities"/></p> <p>Year-to-Year Comparison: <input type="text" value="Total Release [displayed currently]"/></p>
--	---

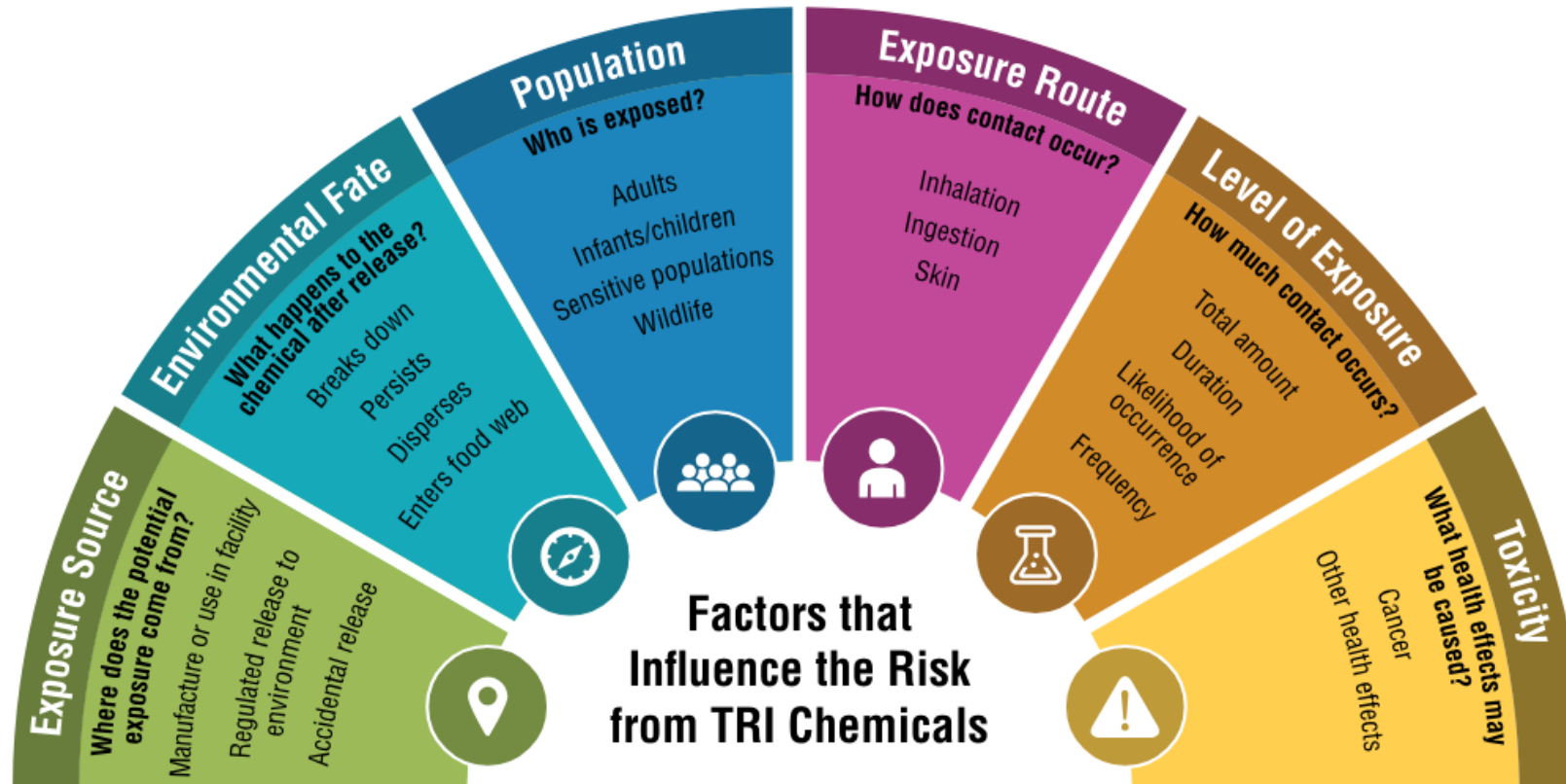
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TRI Facility ID	Facility Name	Address	Chemical Name	Industry	Year	Prior Year Release *	Current Year Release *	Percent Change	Pollution Prevention Information (Activity Codes/Text/[Reduction])	P2 Report
38109BRMNG3601P	NUCOR STEEL MEMPHIS INC (NUCOR CORP)	3601 PAUL R LOWRY RD, MEMPHIS, TN 38109	Nickel compounds	331110: Iron and Steel Mills and Ferroalloy Manufacturing	2016	3,158.41	37.89	-98.8	<i>Source Reduction:</i> W14: Changed production schedule to minimize equipment and feedstock changeovers <i>Other Environmental Practices:</i> Energy Recovery - Operating on off-peak power demand	P2 Report
49204QNXCRPOBOX	GERDAU SPECIAL STEEL NA (GERDAU MACSTEEL INC)	3100 BROOKLYN RD, JACKSON, MI 49203	Chromium compounds (except for chromite ore mined in the Transvaal Region)	331110: Iron and Steel Mills and Ferroalloy Manufacturing	2021	50.00	1.00	-98	<i>Source Reduction:</i> S25: Other process modifications made - Processes generating this waste stream have been idled <i>Methods to Identify SR Opportunities:</i> T11 : OTHER - Idling of steel mill processes <i>Source Reduction:</i> Processes generating this waste stream have been idled	P2 Report
38109BRMNG3601P	NUCOR STEEL MEMPHIS INC (NUCOR CORP)	3601 PAUL R LOWRY RD, MEMPHIS, TN 38109	Chromium compounds (except for chromite ore mined in the Transvaal Region)	331110: Iron and Steel Mills and Ferroalloy Manufacturing	2016	7,340.21	454.98	-93.8	<i>Source Reduction:</i> W14: Changed production schedule to minimize equipment and feedstock changeovers <i>Other Environmental Practices:</i> Energy Recovery - Operating on off-peak power demand	P2 Report
35404TSCLS1500H	NUCOR STEEL TUSCALOOSA INC (NUCOR CORP)	1700 HOLT RD NE, TUSCALOOSA, AL 35404	Nickel compounds	331110: Iron and Steel Mills and Ferroalloy Manufacturing	2014	6,542.00	448.00	-93.15	<i>Source Reduction:</i> W36: Implemented inspection or monitoring program of potential spill or leak sources <i>Source Reduction:</i> W39: Other spill or leak prevention	P2 Report
	STEEL DYNAMICS INC-		Chromium compounds							

TRI is a starting point for evaluating potential exposure to chemicals



Want to learn more?

- ▶ Visit the TRI website
 - <https://www.epa.gov/toxics-release-inventory-tri-program>
- ▶ Explore the full version of TRI Toxics Tracker
 - <https://edap.epa.gov/public/extensions/TRIToxicsTracker/TRIToxicsTracker.html#continue>
- ▶ Use the TRI P2 Search Tool to find pollution prevention opportunities
 - <https://enviro.epa.gov/facts/tri/p2.html>
- ▶ Learn more about EPA's Risk-Screening Environmental Indicators (RSEI) Model
 - <https://www.epa.gov/rsei>
 - Explore the RSEI data with the EasyRSEI Dashboard:
<https://edap.epa.gov/public/extensions/EasyRSEI/EasyRSEI.html>

Getting help with TRI

- ▶ We're here to help!
- ▶ Contact your TRI regional coordinator
 - For EPA Region 3 (DE, DC, MD, PA, VA, WV), contact Camille Lukey (Lukey.Camille@epa.gov)
 - TRI regional coordinators can walk you through how to use the tool or may be able to do some research for you or otherwise support your efforts
- ▶ Check out funding opportunities – EJ grants
 - The Environmental and Climate Justice (ECJ) Program, created by the Inflation Reduction Act, provides funding for financial and technical assistance to carry out environmental and climate justice activities to benefit underserved and overburdened communities.
 - <https://www.epa.gov/environmentaljustice/environmental-justice-grants-funding-and-technical-assistance>

Questions???

- ECHO - Andy Dinsmore, EPA R3
 - R3-DataSupportBranch@epa.gov
- TRI - Camille Lukey, EPA R3
 - Lukey.Camille@epa.gov