EPA
MID-ATLANTIC REGION

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?

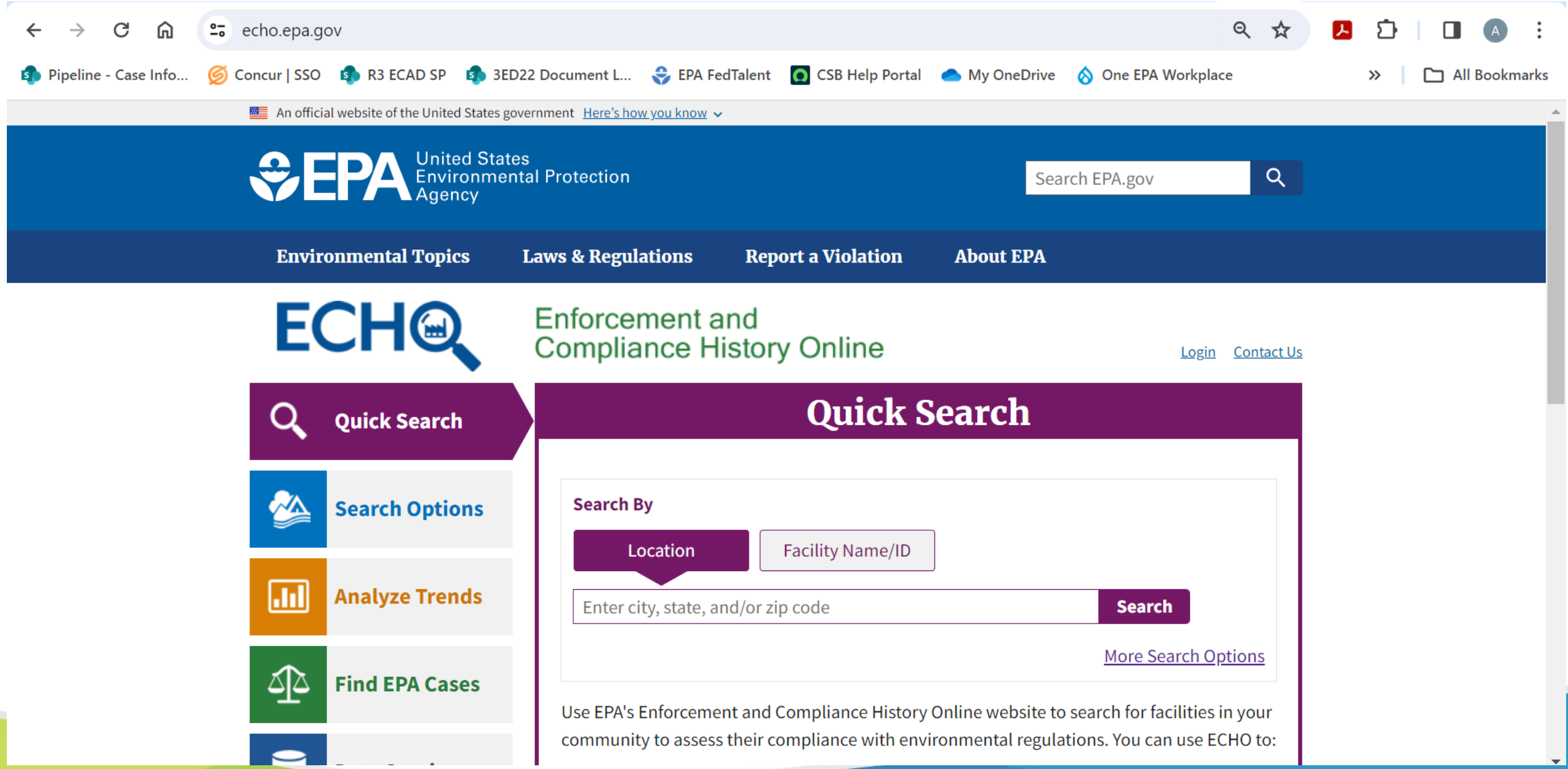
- ECHO extracts data from other EPA data systems:
  - Integrated Compliance Information Systems (ICIS)
  - Resource Conservation and Recovery Act Information system (RCRAInfo)
  - Safe Drinking Water Information System (SDWIS)
  - Facility Registry Service (FRS)

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)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Here's how you know
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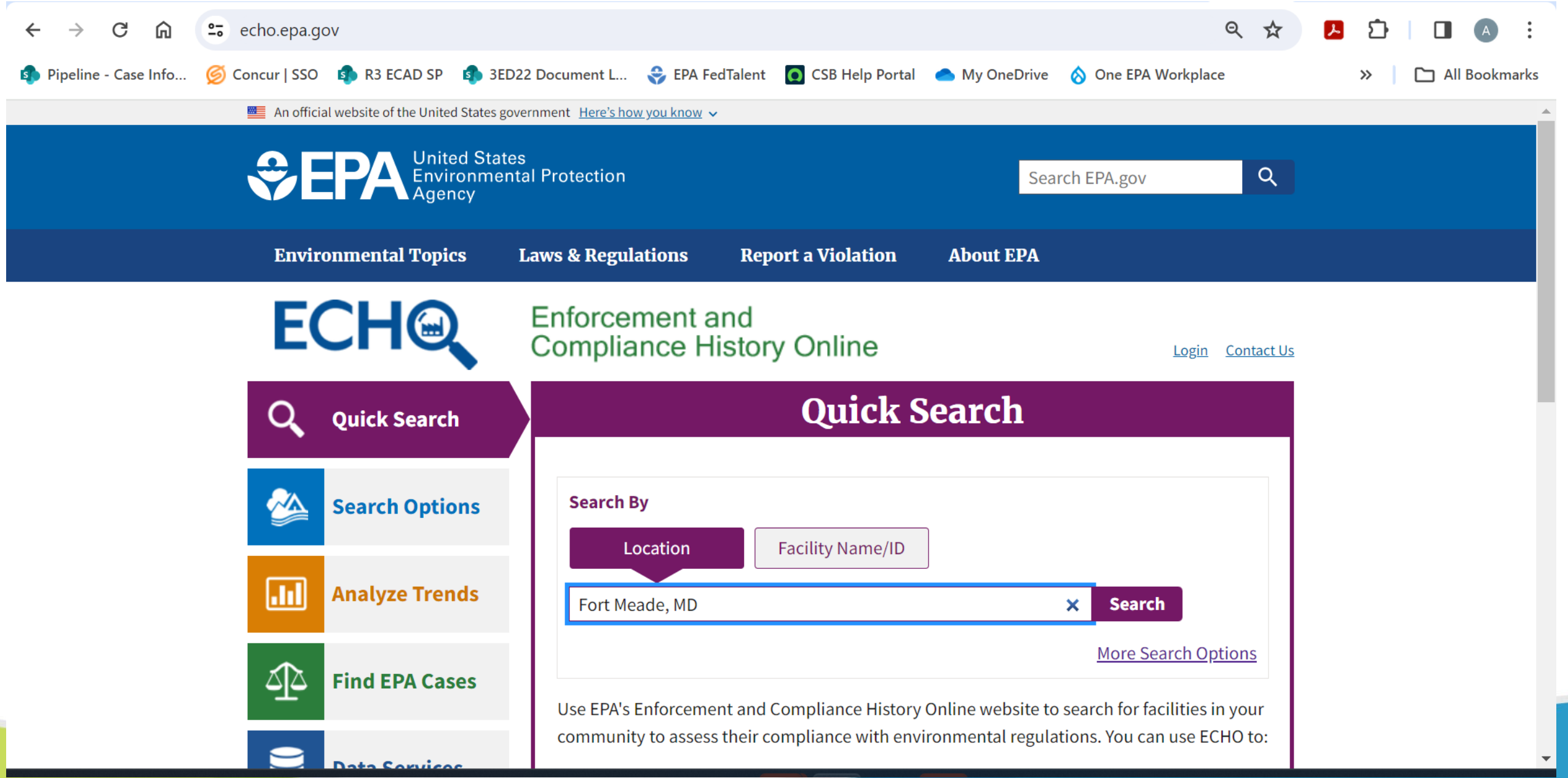
Search EPA.gov
Environmental Topics
Laws & Regulations
Report a Violation
About EPA
ECHO Enforcement and Compliance History Online
Login
Contact Us
Quick Search
Search Options
Analyze Trends
Find EPA Cases
Quick Search
Search By
Location
Facility Name/ID
Enter city, state, and/or zip code
Search
More 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: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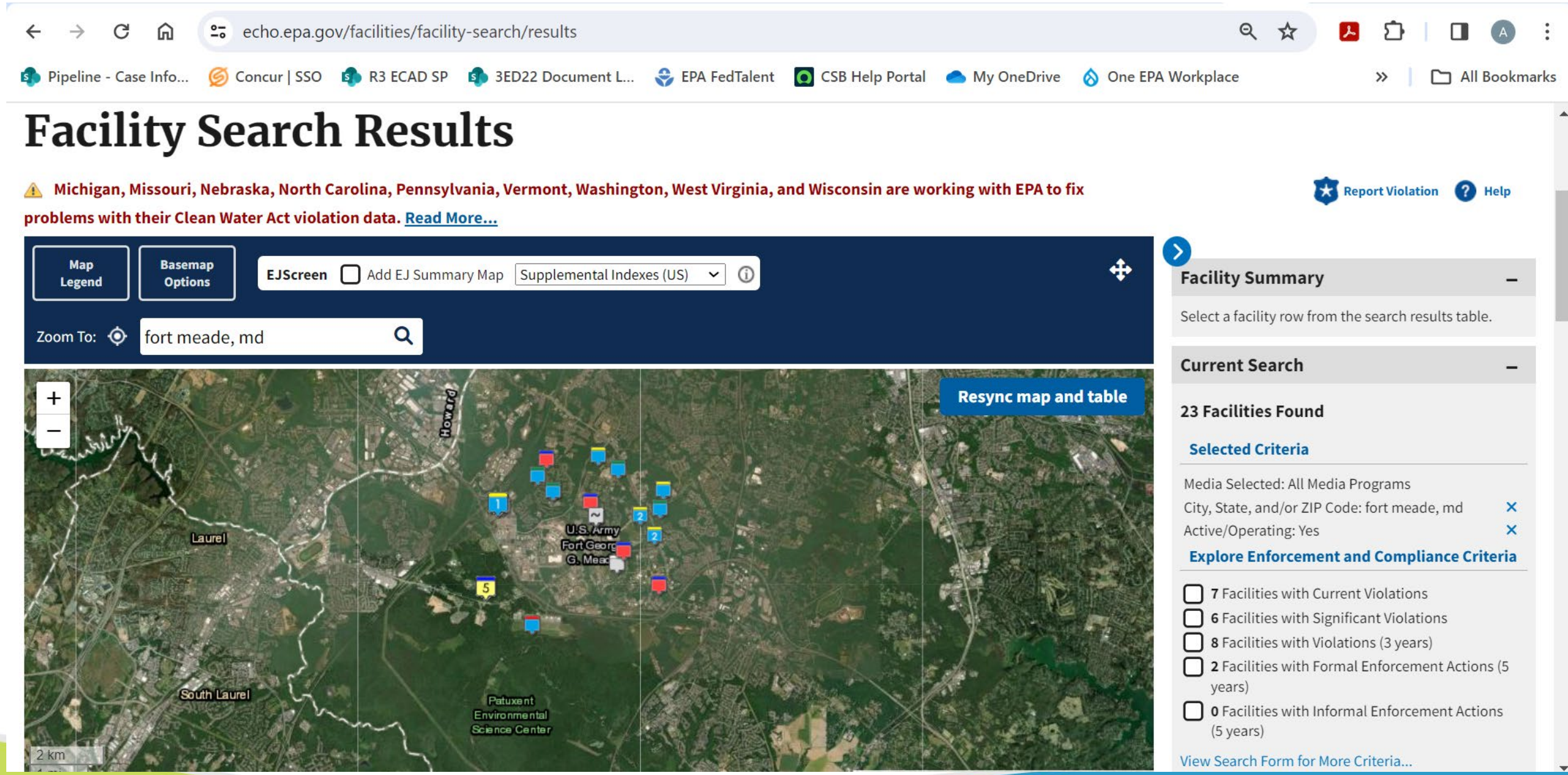
Login
Contact Us
Quick Search
Search Options
Analyze Trends
Find EPA Cases
Data Services
Quick Search
Search By
Location
Facility Name/ID
Fort Meade, MD
Search
More Search Options
Use EPA's Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations. You can use ECHO to:


echo.epa.gov/facilities/facility-search/results
Pipeline - Case Info...
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CSB Help Portal
My OneDrive
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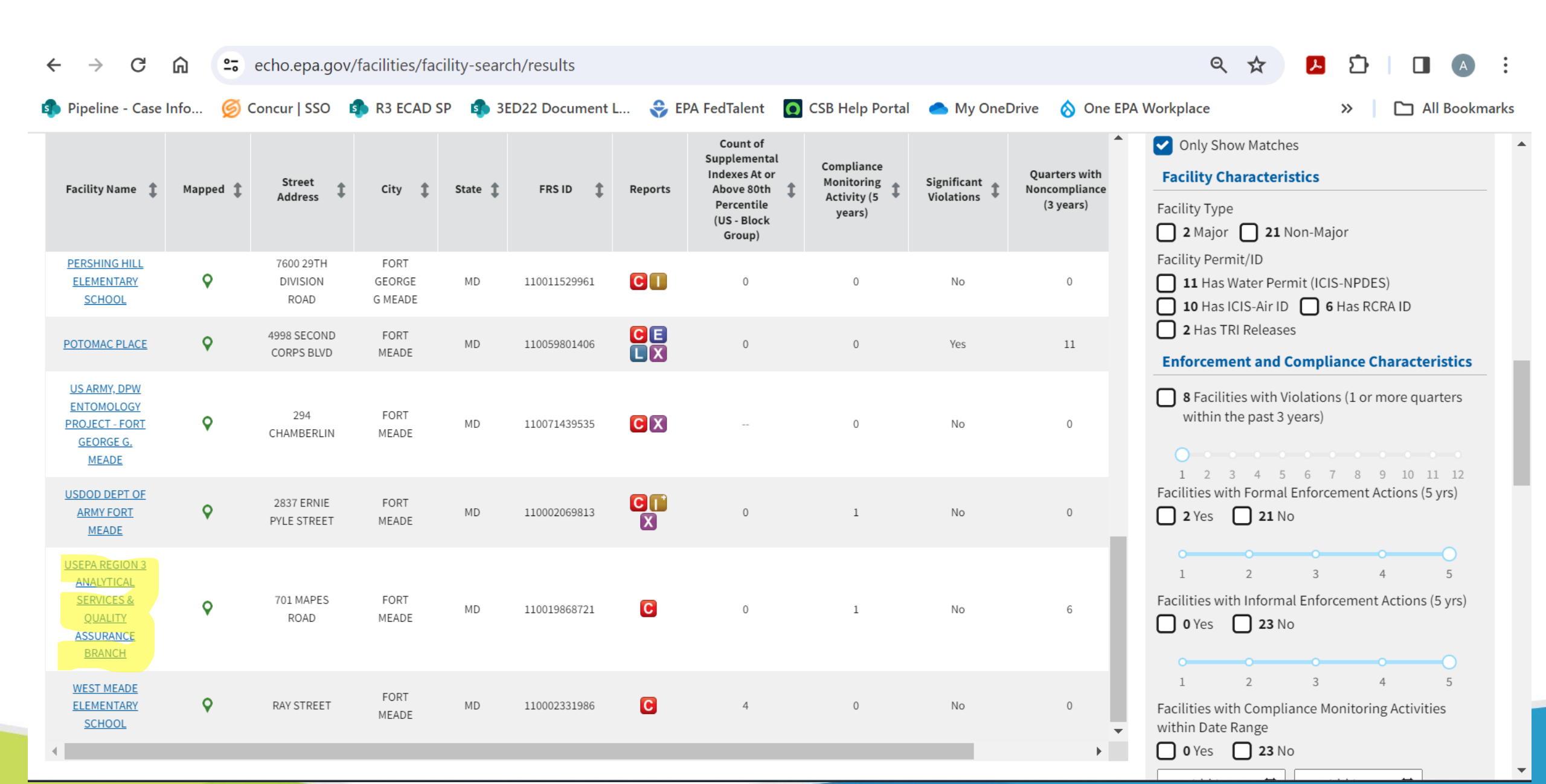
All Bookmarks
Facility Search Results
Michigan, Missouri, Nebraska, North Carolina, Pennsylvania, Vermont, Washington, West Virginia, and Wisconsin are working with EPA to fix problems with their Clean Water Act violation data. Read More...
Report Violation
Help
Map Legend
Basemap Options
EJScreen
Add EJ Summary Map
Supplemental Indexes (US)
Zoom To:
fort meade, md
Resync map and table
Howard
Laurel
South Laurel
U.S. Army
Patuxent Environmental Science Center
2 km
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...


echo.epa.gov/facilities/facility-search/results
Pipeline - Case Info...
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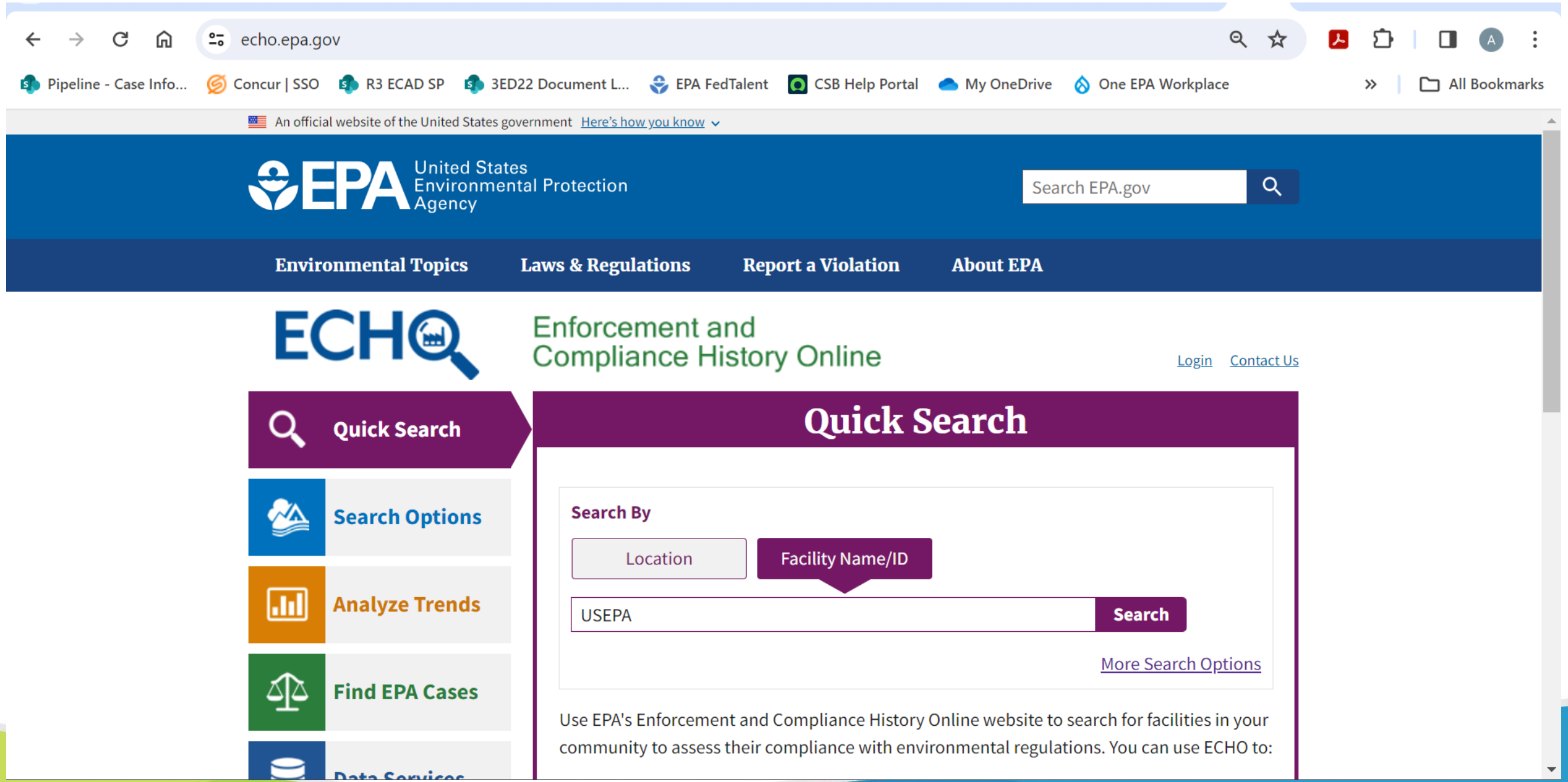
EPA FedTalent
CSB Help Portal
My OneDrive
One EPA Workplace
All Bookmarks
Facility Name
Mapped
Street Address
City
State
FRS ID
Reports
Count of Supplemental Indexes At or Above 80th Percentile (US - Block Group)
Compliance Monitoring Activity (5 years)
Significant Violations
Quarters with Noncompliance (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)
1 2 3 4 5 6 7 8 9 10 11 12
Facilities with Formal Enforcement Actions (5 yrs)
2 Yes
21 No
1 2 3 4 5
Facilities with Informal Enforcement Actions (5 yrs)
0 Yes
23 No
1 2 3 4 5
Facilities with Compliance Monitoring Activities within Date Range
0 Yes
23 No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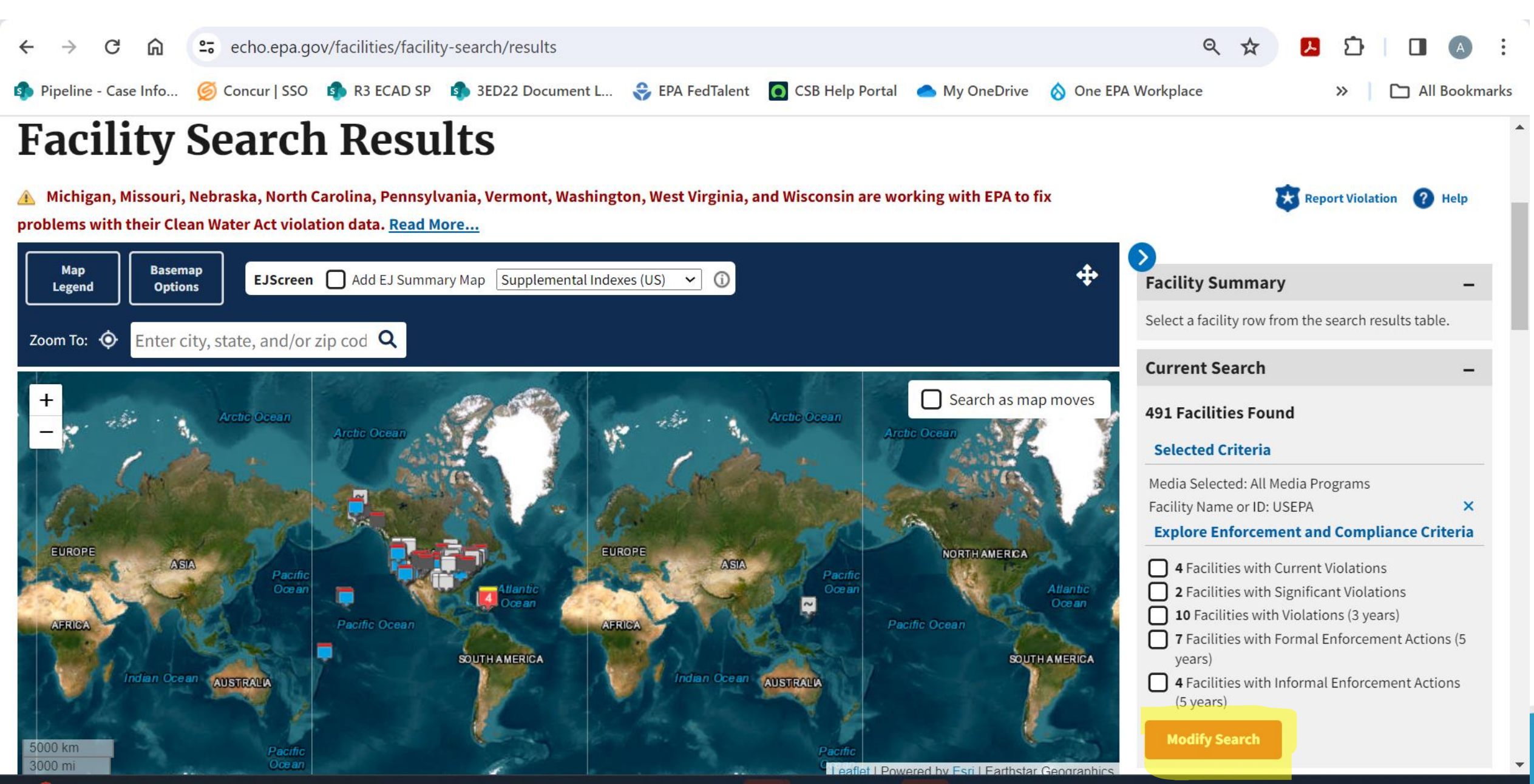
ECHO Enforcement and Compliance History Online
Login
Contact Us
Quick Search
Search Options
Analyze Trends
Find EPA Cases
Quick Search
Search By
Location
Facility Name/ID
USEPA
Search
More Search Options
Use EPA's Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations. You can use ECHO to:


echo.epa.gov/facilities/facility-search/results
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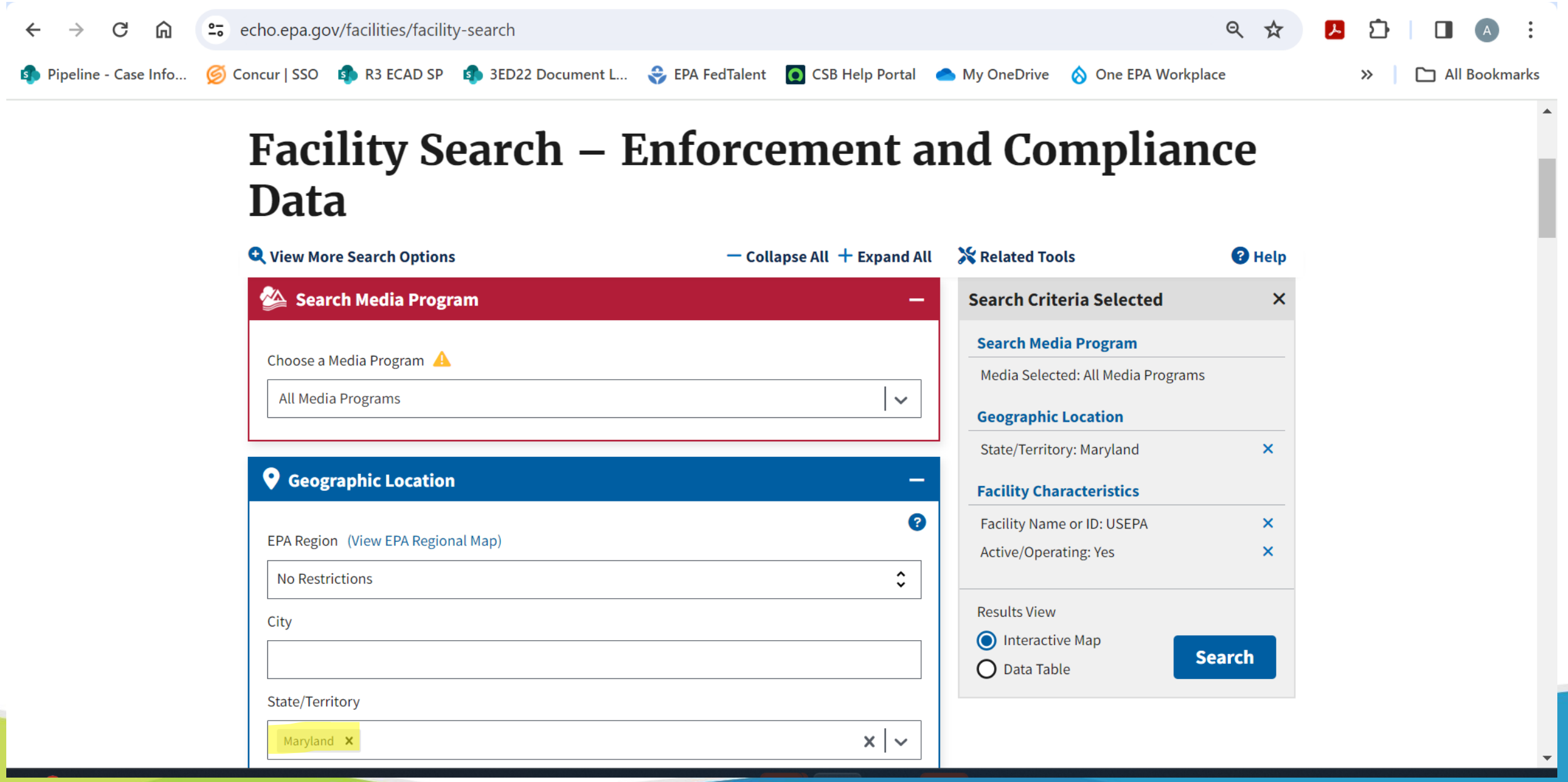
All Bookmarks
Facility Search Results
Michigan, Missouri, Nebraska, North Carolina, Pennsylvania, Vermont, Washington, West Virginia, and Wisconsin are working with EPA to fix problems with their Clean Water Act violation data. Read More...
Report Violation
Help
Map Legend
Basemap Options
EJScreen
Add EJ Summary Map
Supplemental Indexes (US)
Zoom To:
Enter city, state, and/or zip cod
Search as map moves
Arctic Ocean
EUROPE
ASIA
AFRICA
Pacific Ocean
Indian Ocean
AUSTRALIA
Atlantic Ocean
SOUTH AMERICA
NORTH AMERICA
5000 km
3000 mi
Leaflet | Powered by Esri | Earthstar Geographics
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


echo.epa.gov/facilities/facility-search
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EPA FedTalent
CSB Help Portal
My OneDrive
One EPA Workplace
All Bookmarks
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 Enforce Actior year
USEPA REGION 3 ANALYTICAL SERVICES & QUALITY ASSURANCE BRANCH		701 MAPES ROAD	FORT MEADE	MD	110019868721	C	0	1	No	6	

Active/Operating: Yes

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

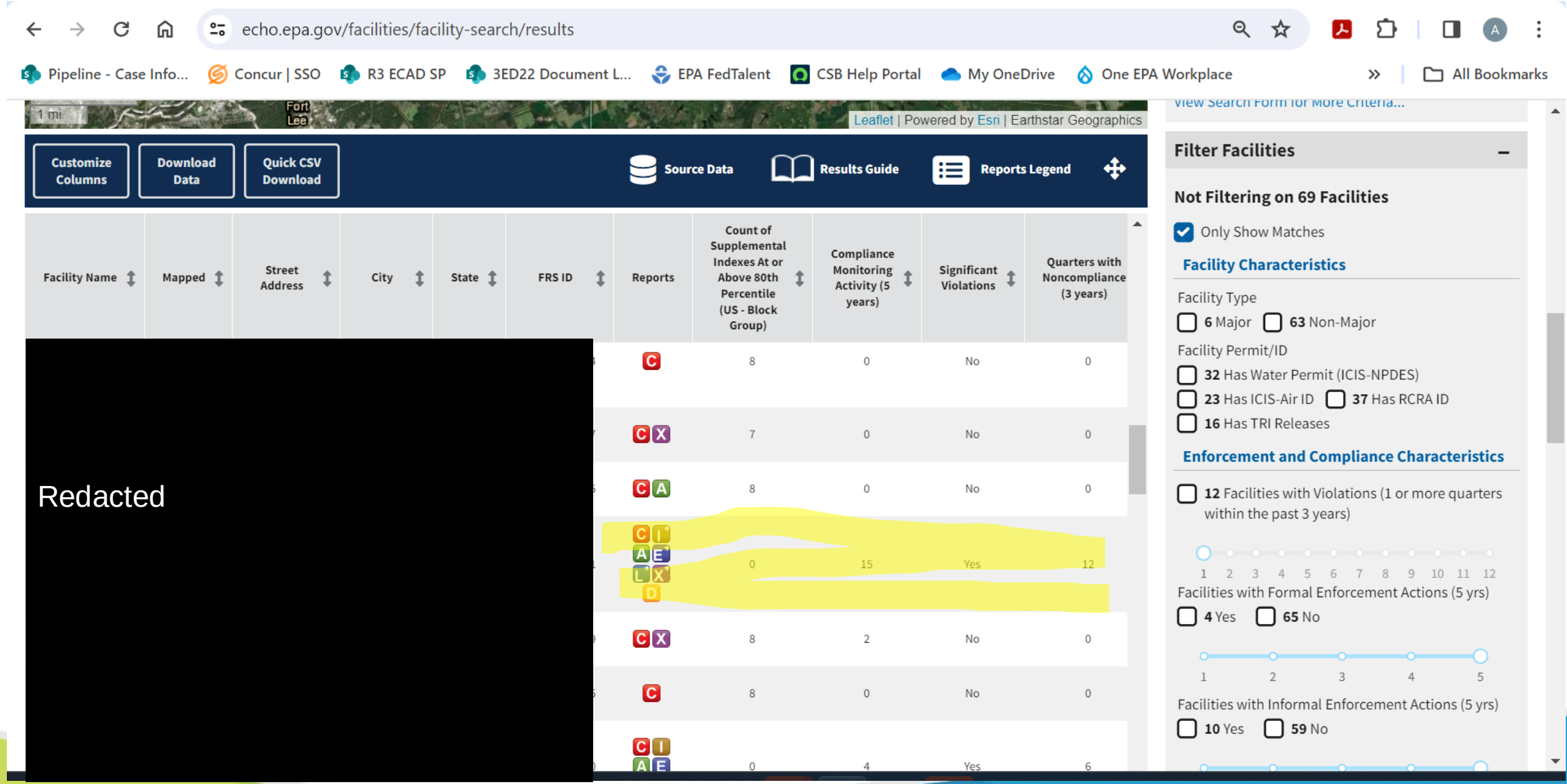
- 0 Major
- 1 Non-Major

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)


echo.epa.gov/facilities/facility-search/results
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EPA FedTalent
CSB Help Portal
My OneDrive
One EPA Workplace
All Bookmarks
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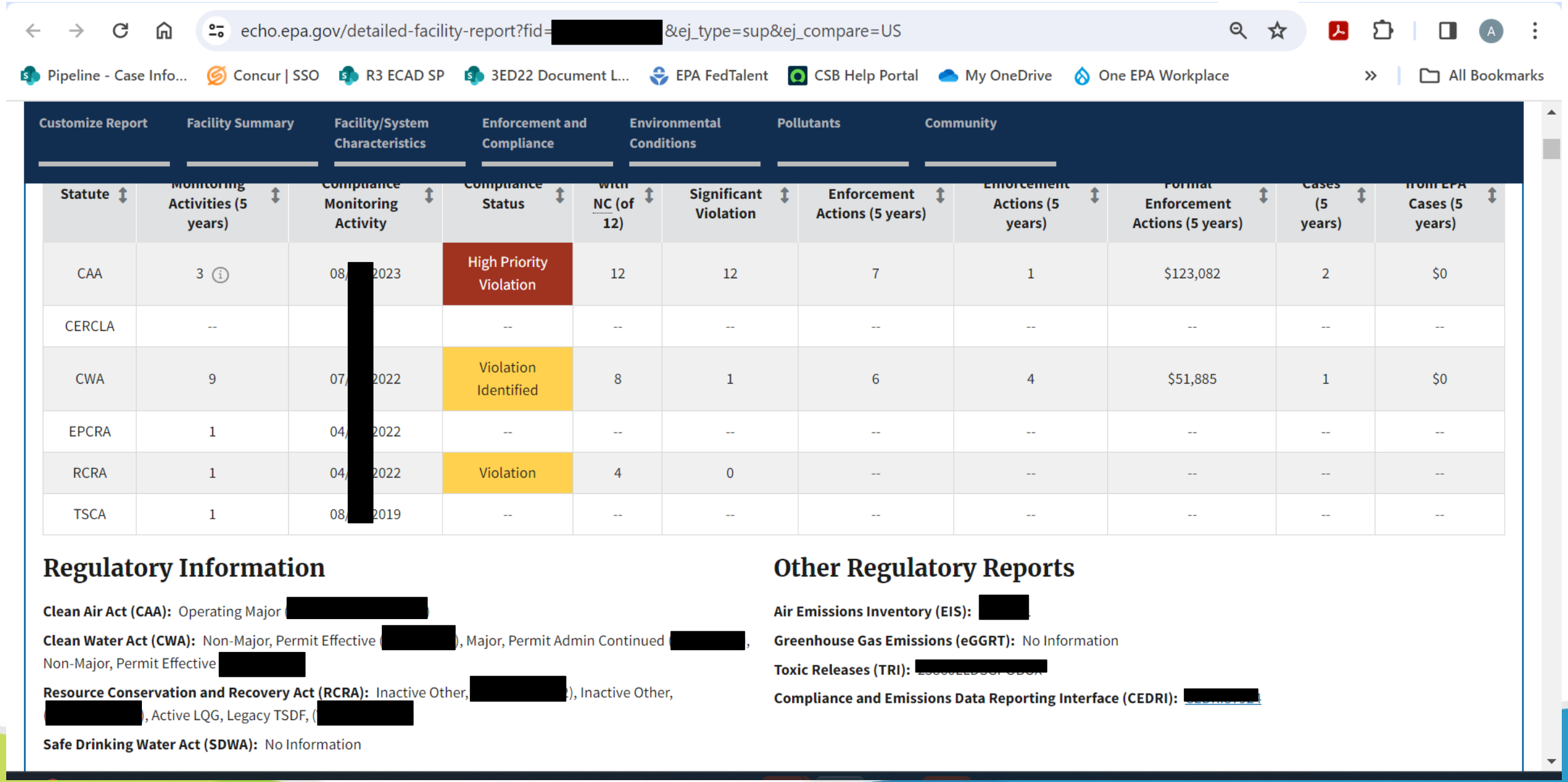
Fort Lee
Leaflet | Powered by Esri | Earthstar Geographics
View Search Form for More Criteria...
Customize Columns
Download Data
Quick CSV Download
Source Data
Results Guide
Reports Legend
Facility Name
Mapped
Street Address
City
State
FRS ID
Reports
Count of Supplemental Indexes At or Above 80th Percentile (US - Block Group)
Compliance Monitoring Activity (5 years)
Significant Violations
Quarters with Noncompliance (3 years)
Redacted
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/[redacted]2023	High Priority Violation	12	12	7	1	$123,082	2	$0
CERCLA	--		--	--	--	--	--	--	--	--
CWA	9	07/[redacted]2022	Violation Identified	8	1	6	4	$51,885	1	$0
EPCRA	1	04/[redacted]2022	--	--	--	--	--	--	--	--
RCRA	1	04/[redacted]2022	Violation	4	0	--	--	--	--	--
TSCA	1	08/[redacted]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

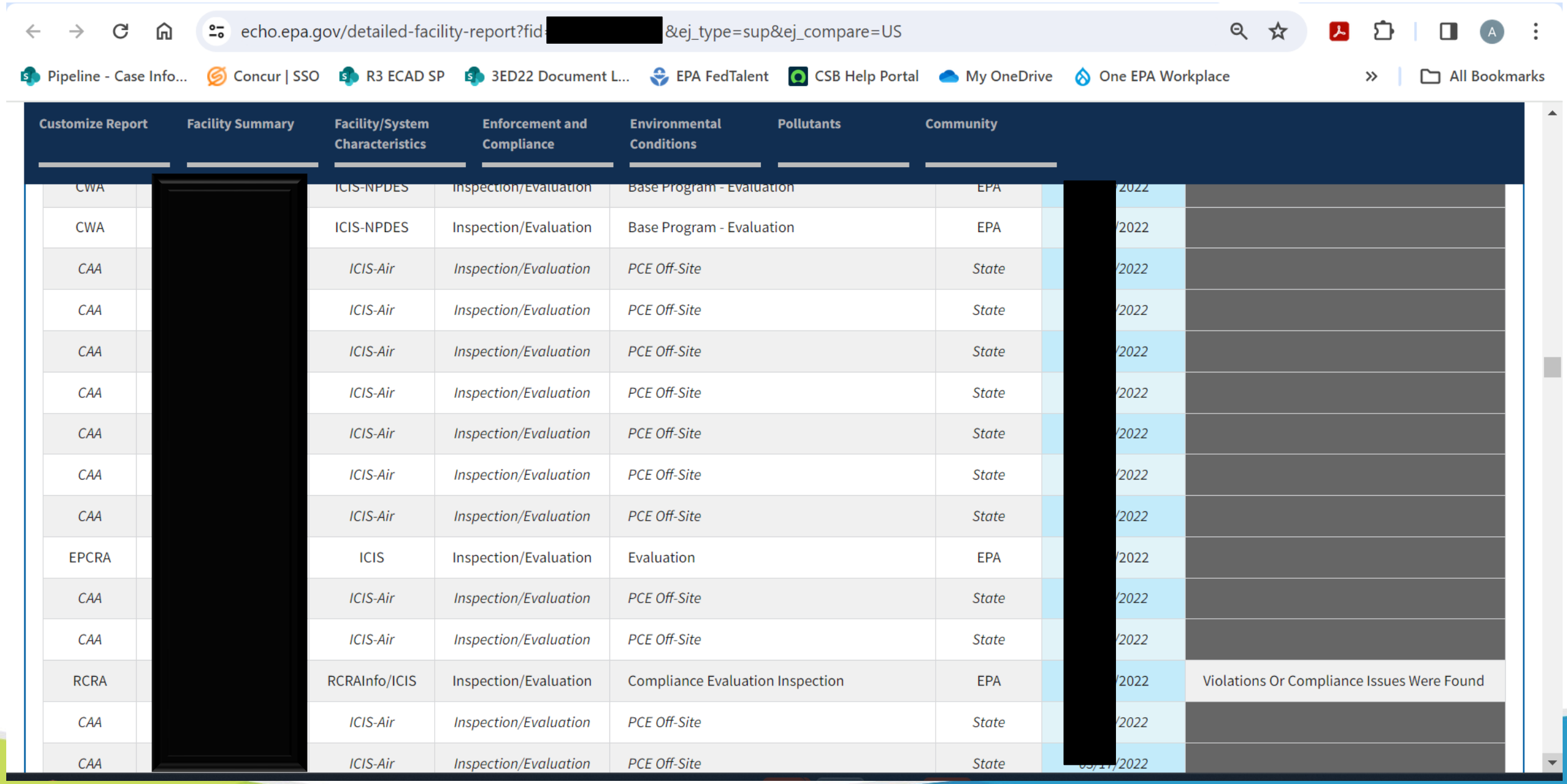
Other Regulatory Reports

Air Emissions Inventory (EIS): [redacted]

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): [redacted]

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


echo.epa.gov/detailed-facility-report?fid=[redacted]&ej_type=sup&ej_compare=US
Pipeline - Case Info...
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R3 ECAD SP
3ED22 Document L...
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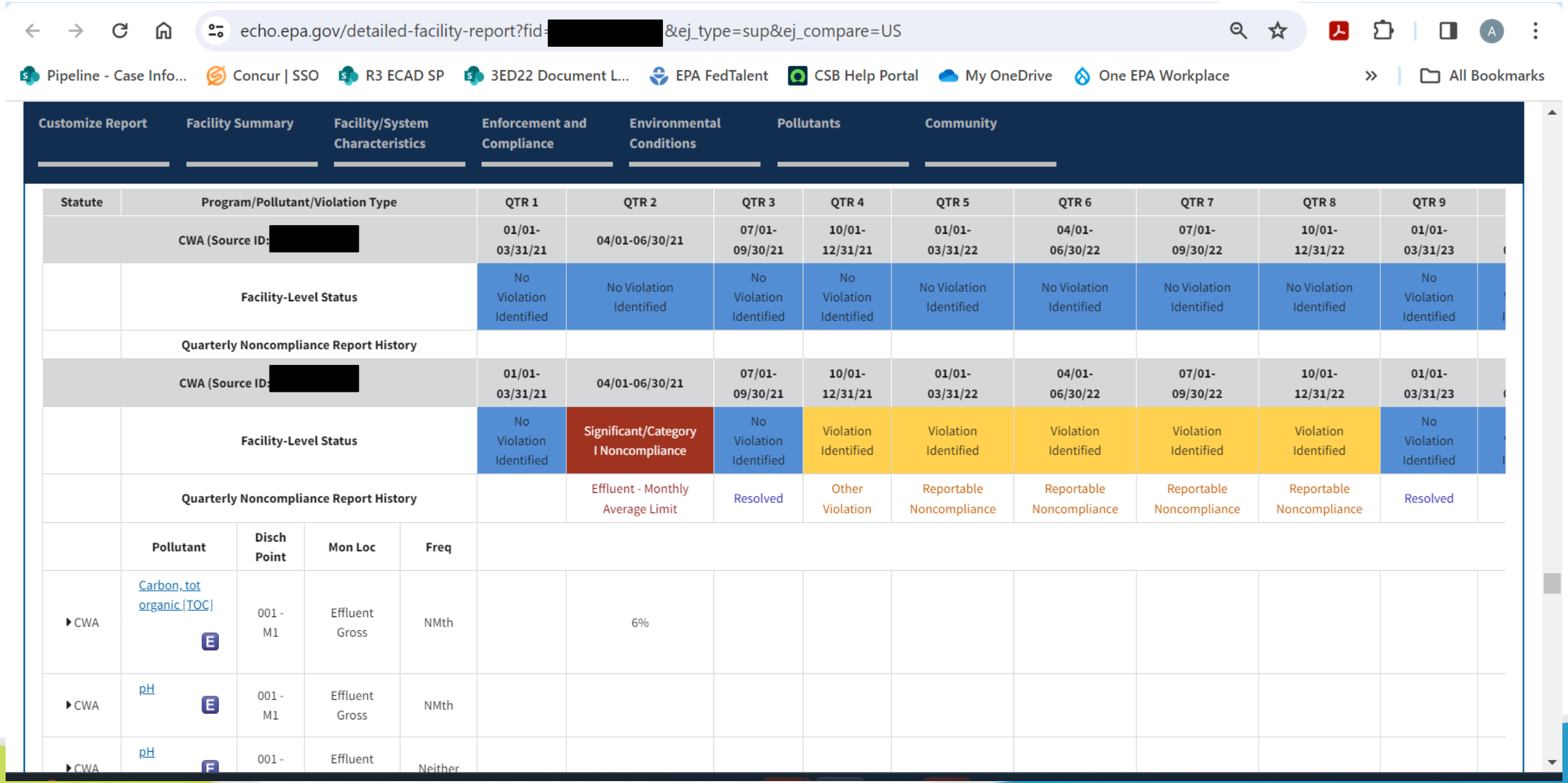
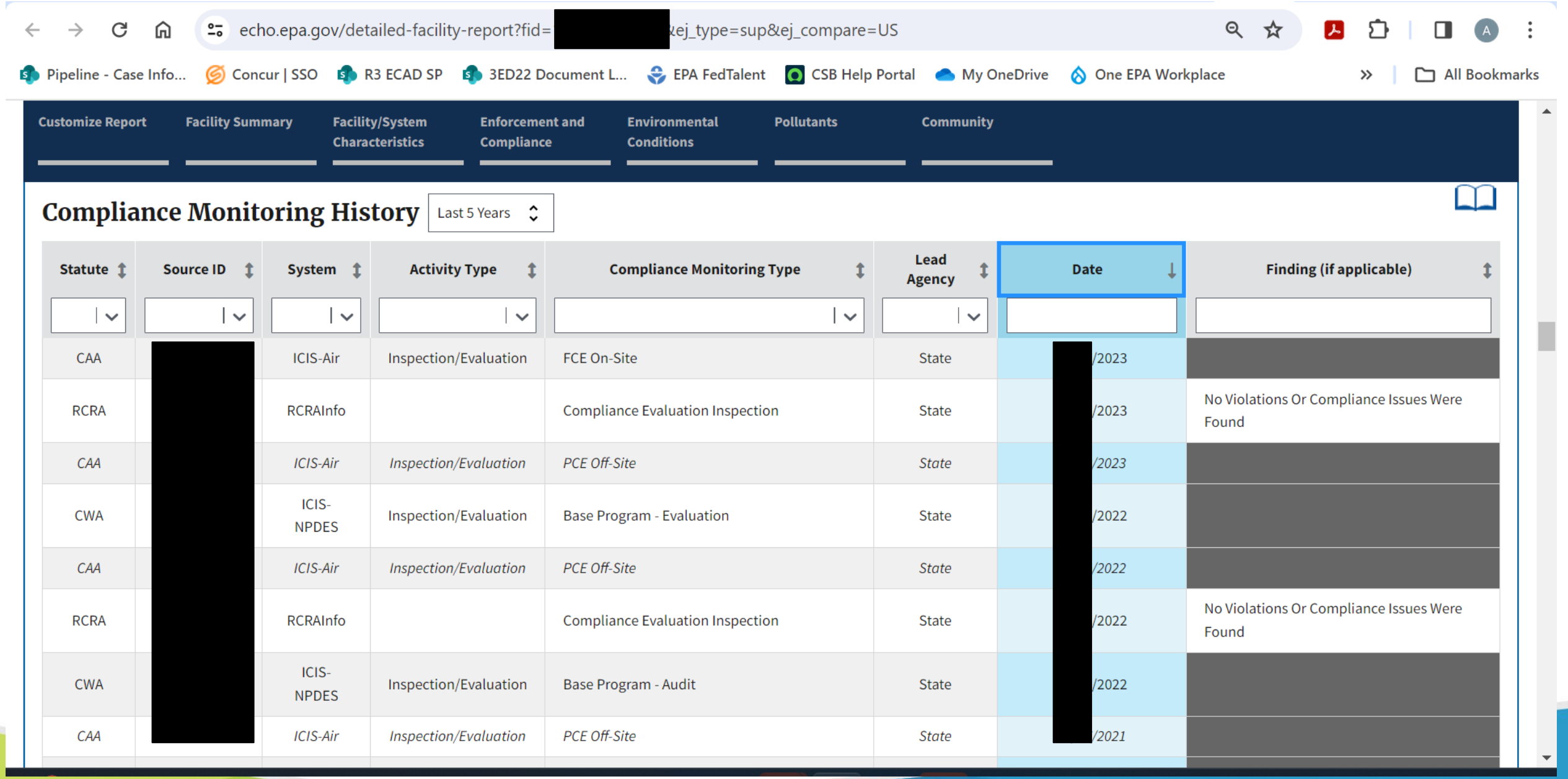
CSB Help Portal
My OneDrive
One EPA Workplace
All Bookmarks
Customize Report
Facility Summary
Facility/System Characteristics
Enforcement and Compliance
Environmental Conditions
Pollutants
Community
CWA ICIS-NPDES Inspection/Evaluation Base Program - Evaluation EPA [redacted] /2022
CWA ICIS-NPDES Inspection/Evaluation Base Program - Evaluation EPA /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
EPCRA ICIS Inspection/Evaluation Evaluation EPA /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
RCRA RCRAInfo/ICIS Inspection/Evaluation Compliance Evaluation Inspection EPA /2022 Violations Or Compliance Issues Were Found
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022
CAA ICIS-Air Inspection/Evaluation PCE Off-Site State /2022

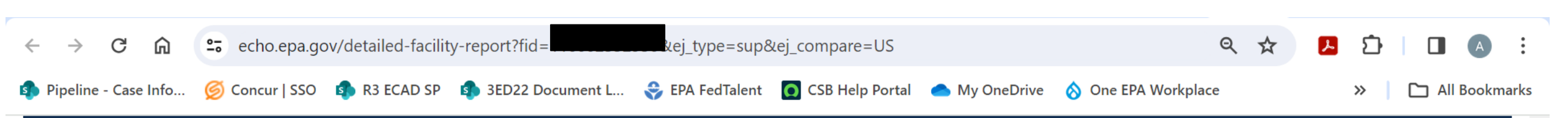


Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9
	CWA (Source ID: [redacted])	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23
	Facility-Level Status	No Violation Identified	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	Resolved

	Pollutant	Disch Point	Mon Loc	Freq								
▸CWA	Carbon, tot organic [TOC] E	001 - M1	Effluent Gross	NMth		6%						
▸CWA	pH E	001 - M1	Effluent Gross	NMth								
▸CWA	pH E	001 -	Effluent	Neither								



Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
CAA	[redacted]	ICIS-Air	Inspection/Evaluation	FCE On-Site	State	[redacted]/2023	[redacted]
RCRA		RCRAInfo		Compliance Evaluation Inspection	State	[redacted]/2023	No Violations Or Compliance Issues Were Found
CAA		*ICIS-Air*	*Inspection/Evaluation*	*PCE Off-Site*	*State*	[redacted]/2023	[redacted]
CWA		ICIS-NPDES	Inspection/Evaluation	Base Program - Evaluation	State	[redacted]/2022	[redacted]
CAA		*ICIS-Air*	*Inspection/Evaluation*	*PCE Off-Site*	*State*	[redacted]/2022	[redacted]
RCRA		RCRAInfo		Compliance Evaluation Inspection	State	[redacted]/2022	No Violations Or Compliance Issues Were Found
CWA		ICIS-NPDES	Inspection/Evaluation	Base Program - Audit	State	[redacted]/2022	[redacted]
CAA		*ICIS-Air*	*Inspection/Evaluation*	*PCE Off-Site*	*State*	[redacted]/2021	[redacted]



Customize Report | Facility Summary | Facility/System Characteristics | Enforcement and Compliance | Environmental Conditions | Pollutants | Community

	Counts of Missing DMR Measurements										1
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	04/01-06/30/23
	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	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	04/01-06/30/23
	Facility-Level Status	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit
	Quarterly Noncompliance Report History										

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: [redacted])		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	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24
	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	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

Statute	Violation Type/Category	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13*

echo.epa.gov/detailed-facility-report?fid=110019868721

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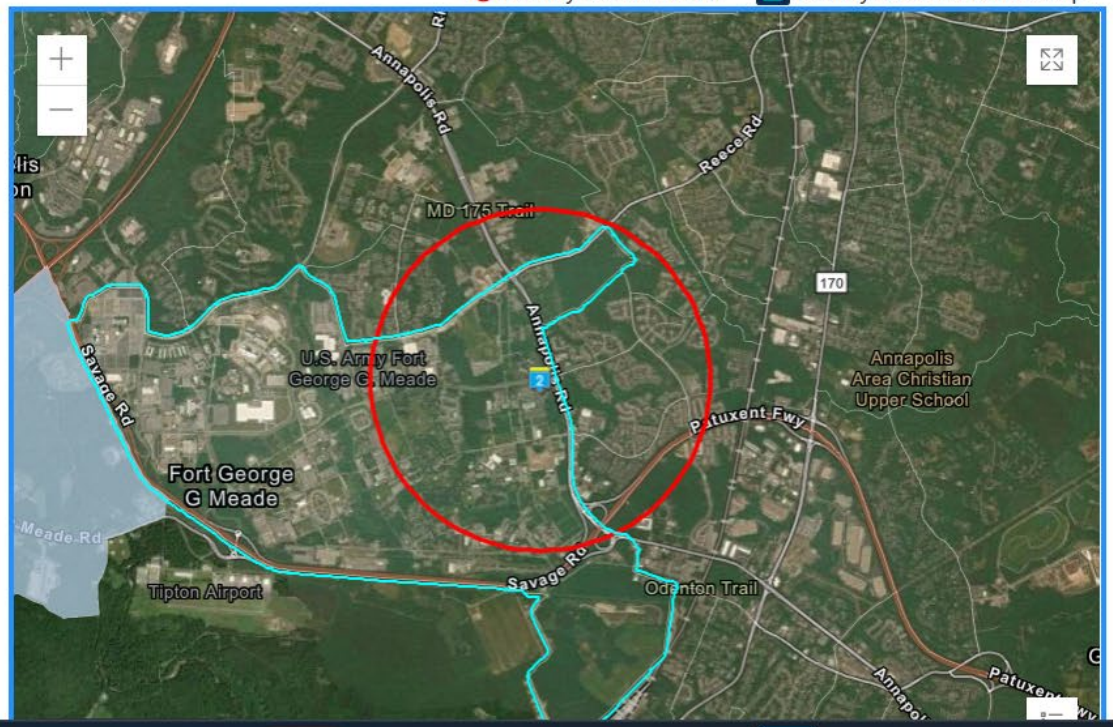
Download Data

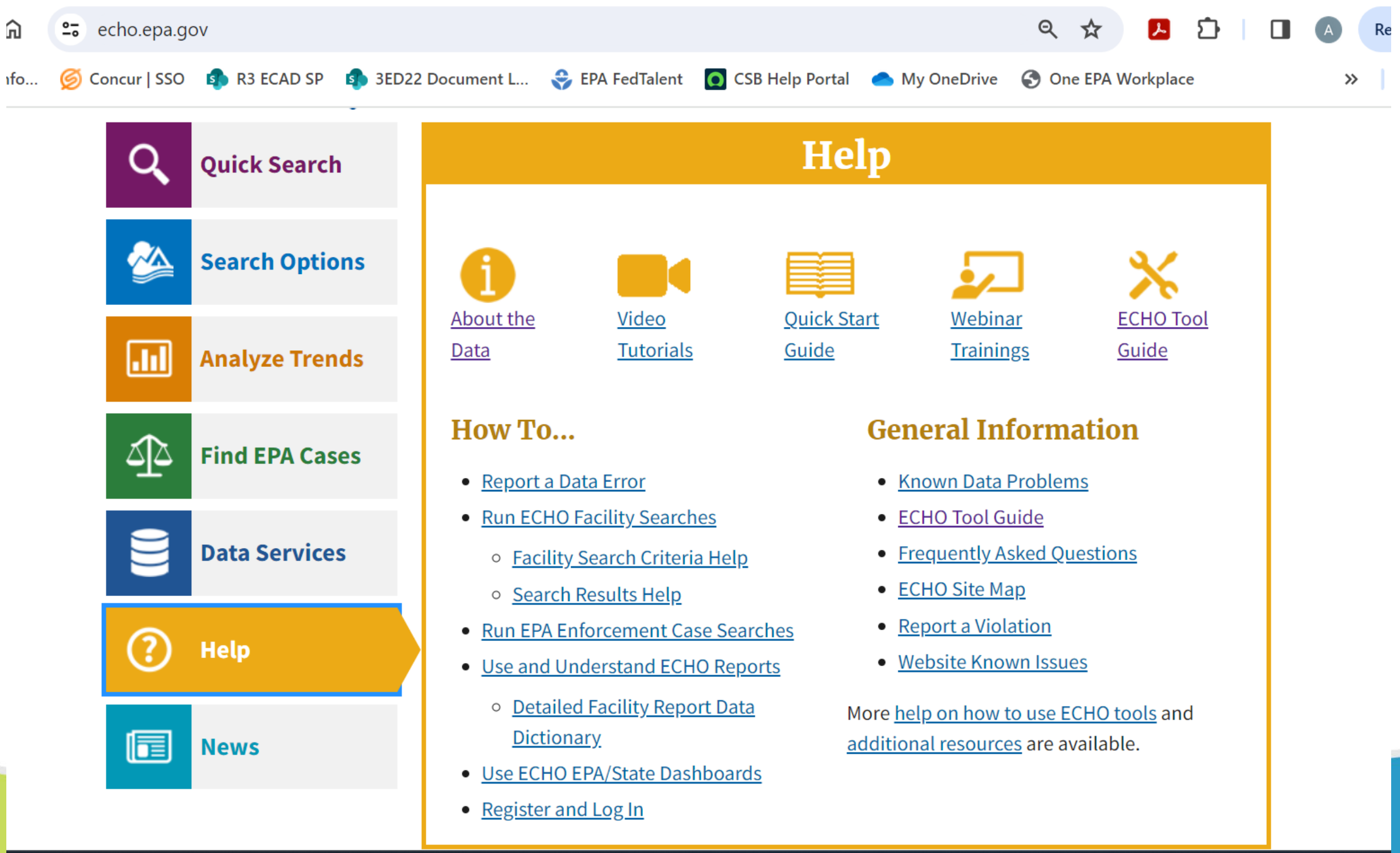
Census Block Group ID: 240037406032	US (Percentile)			State (Percentile)		
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Count of Indexes At or Above 90th Percentile	**0**	**0**	**0**	**0**	**0**	**0**
Particulate Matter 2.5	30	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: Summary - Number of Indexes

Facility 1-mile Radius | Facility Census Block Group




echo.epa.gov
Concur | SSO
R3 ECAD SP
3ED22 Document L...
EPA FedTalent
CSB Help Portal
My OneDrive
One EPA Workplace
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
- Sate 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

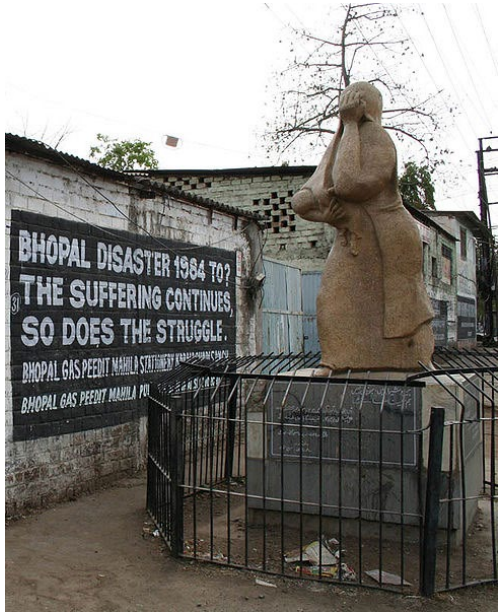
Pollution Prevention

- 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**

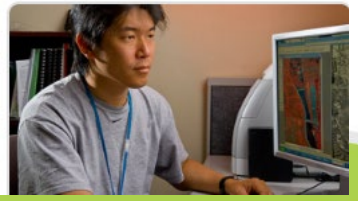
- Chemical release at a similar facility in the U.S.
- Over 100 people hospitalized

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

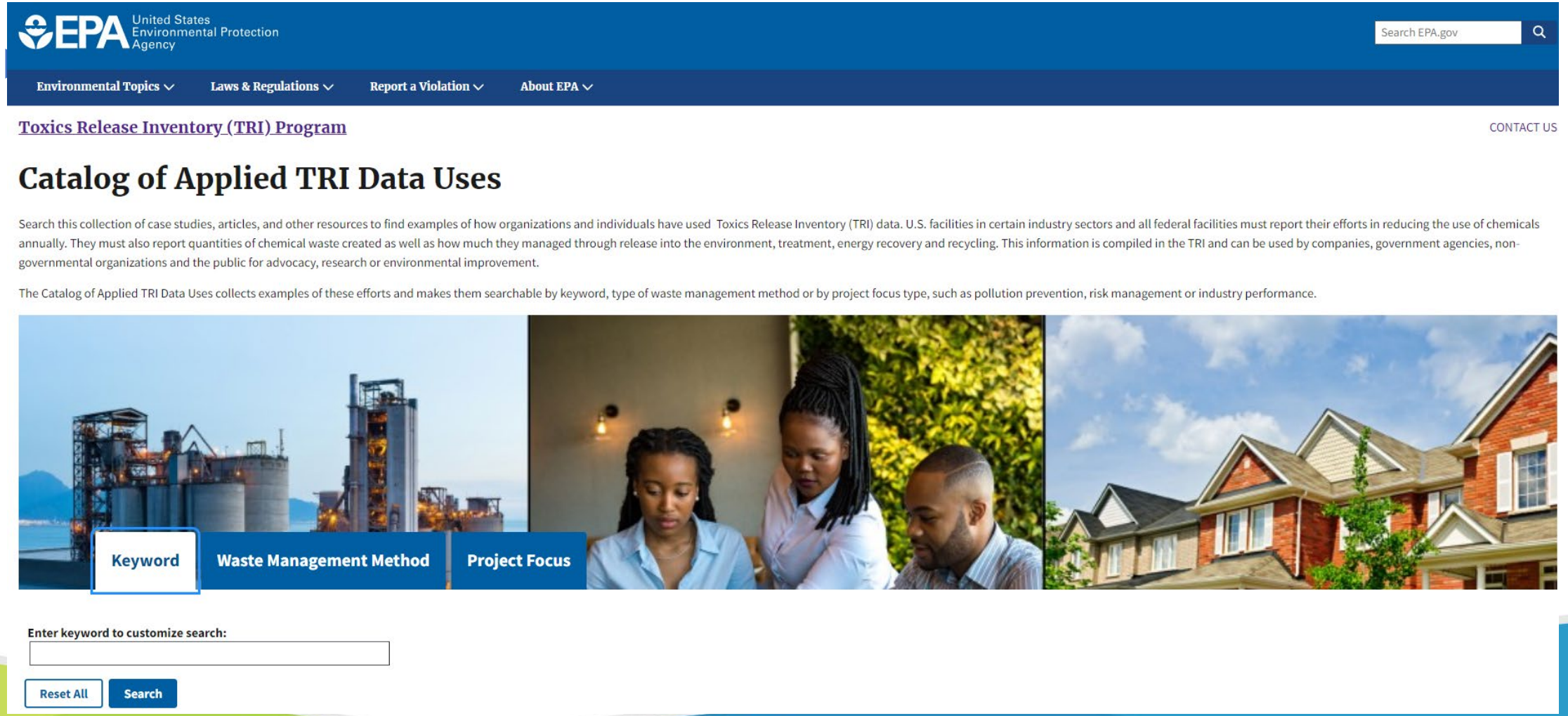
TRI data in action: a community success story

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



- https://www.epa.gov/toxics-release-inventory-tri-program/catalog-applied-tri-data-uses

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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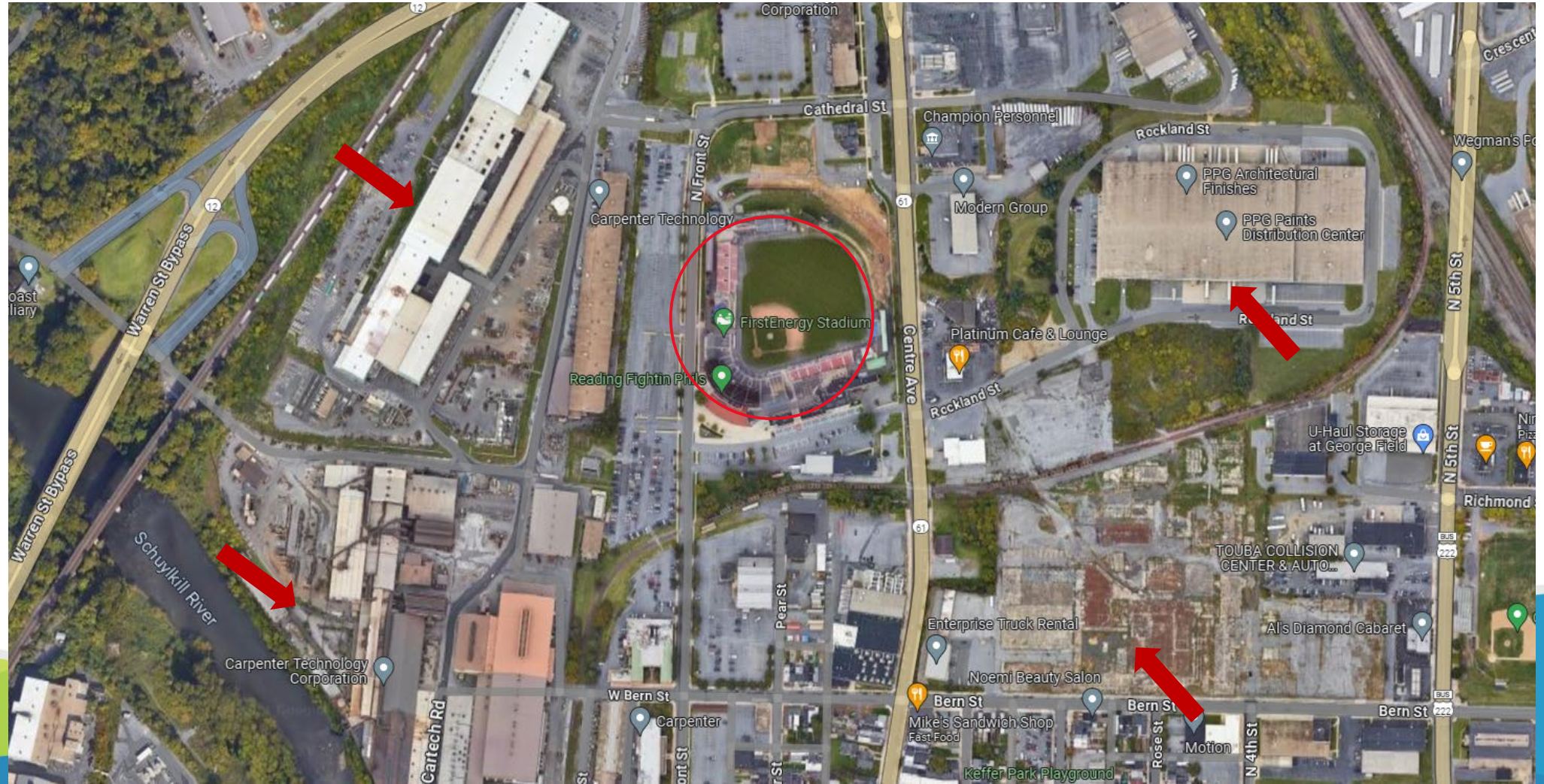
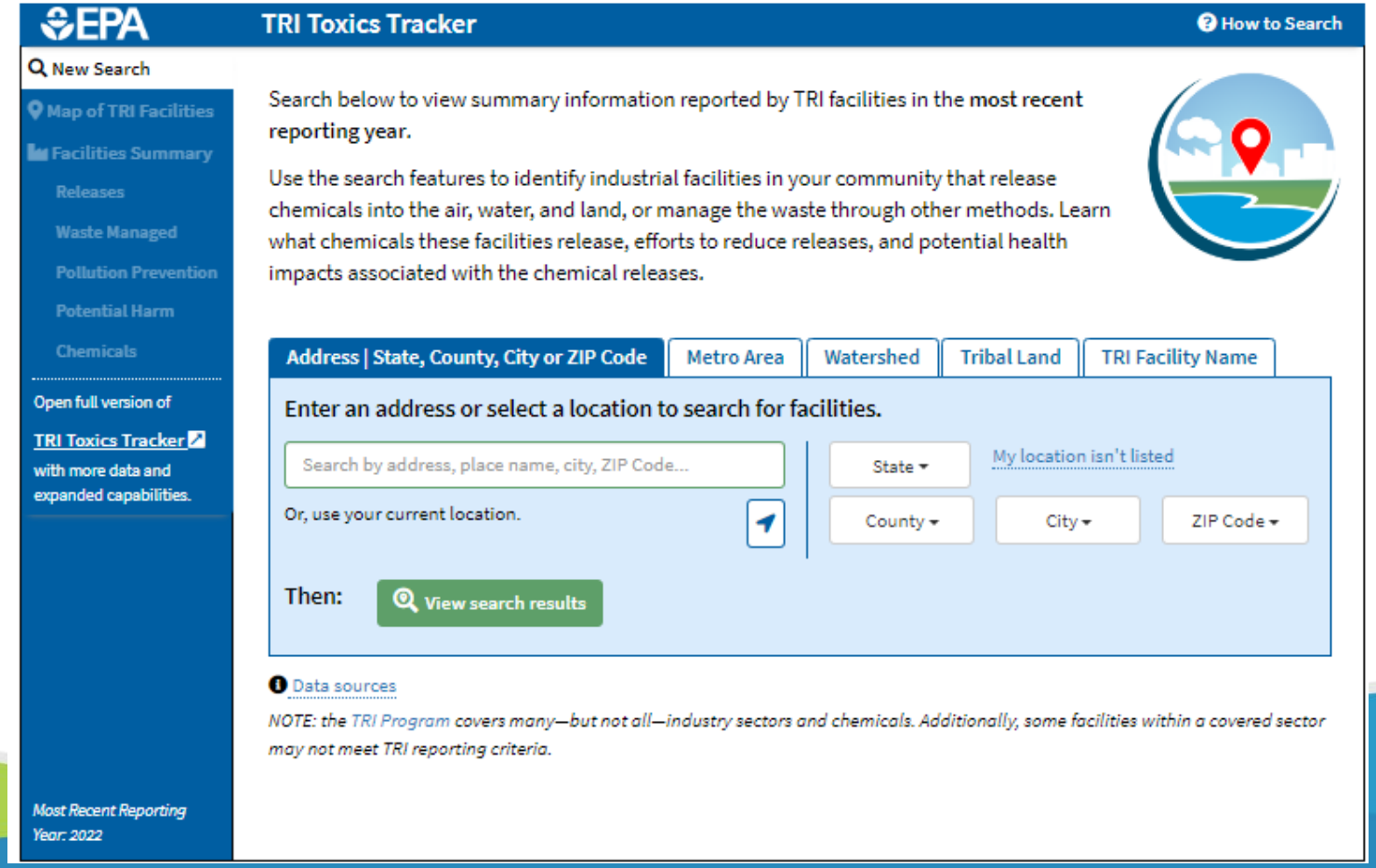


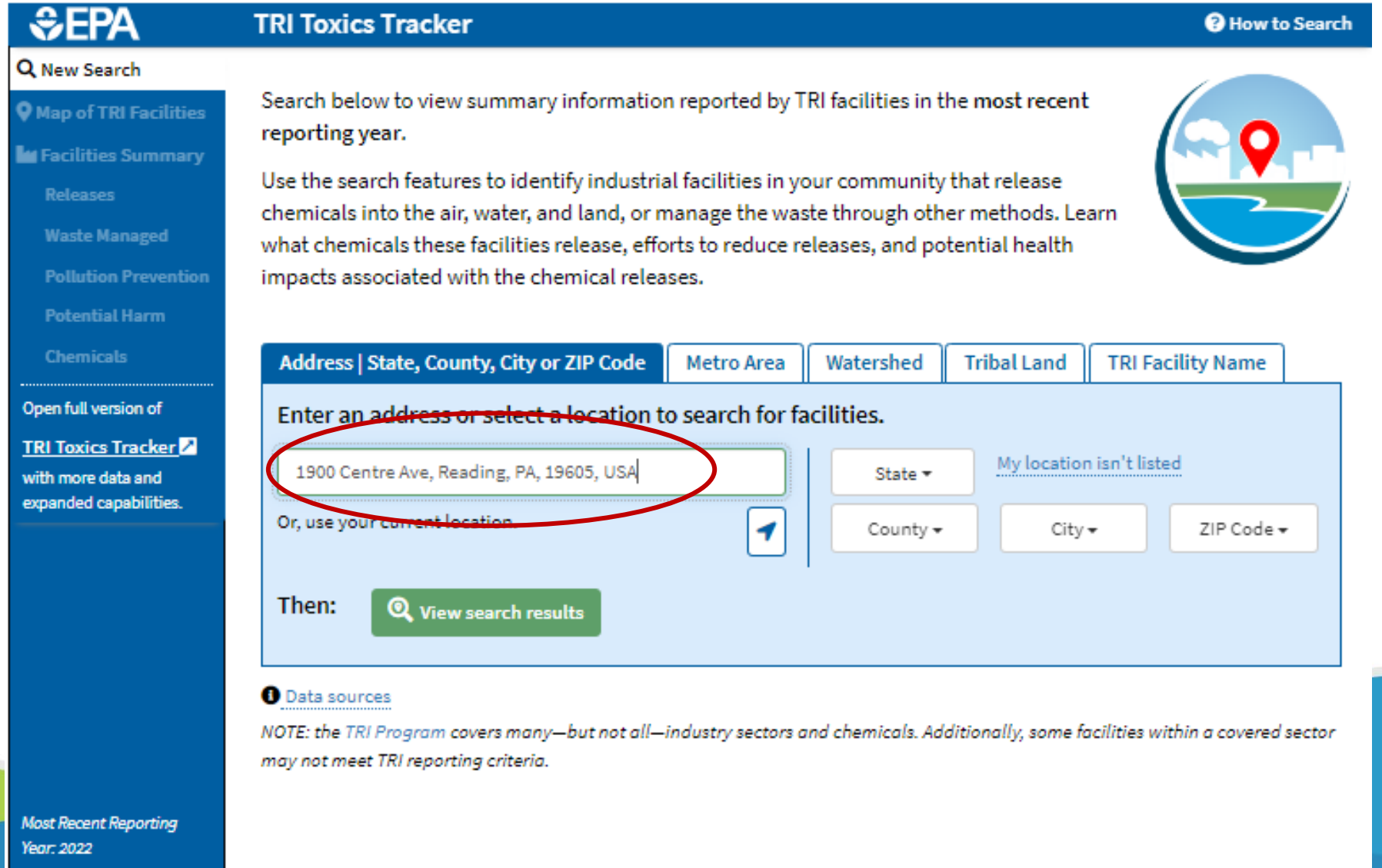
How can I find TRI information on my community?

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



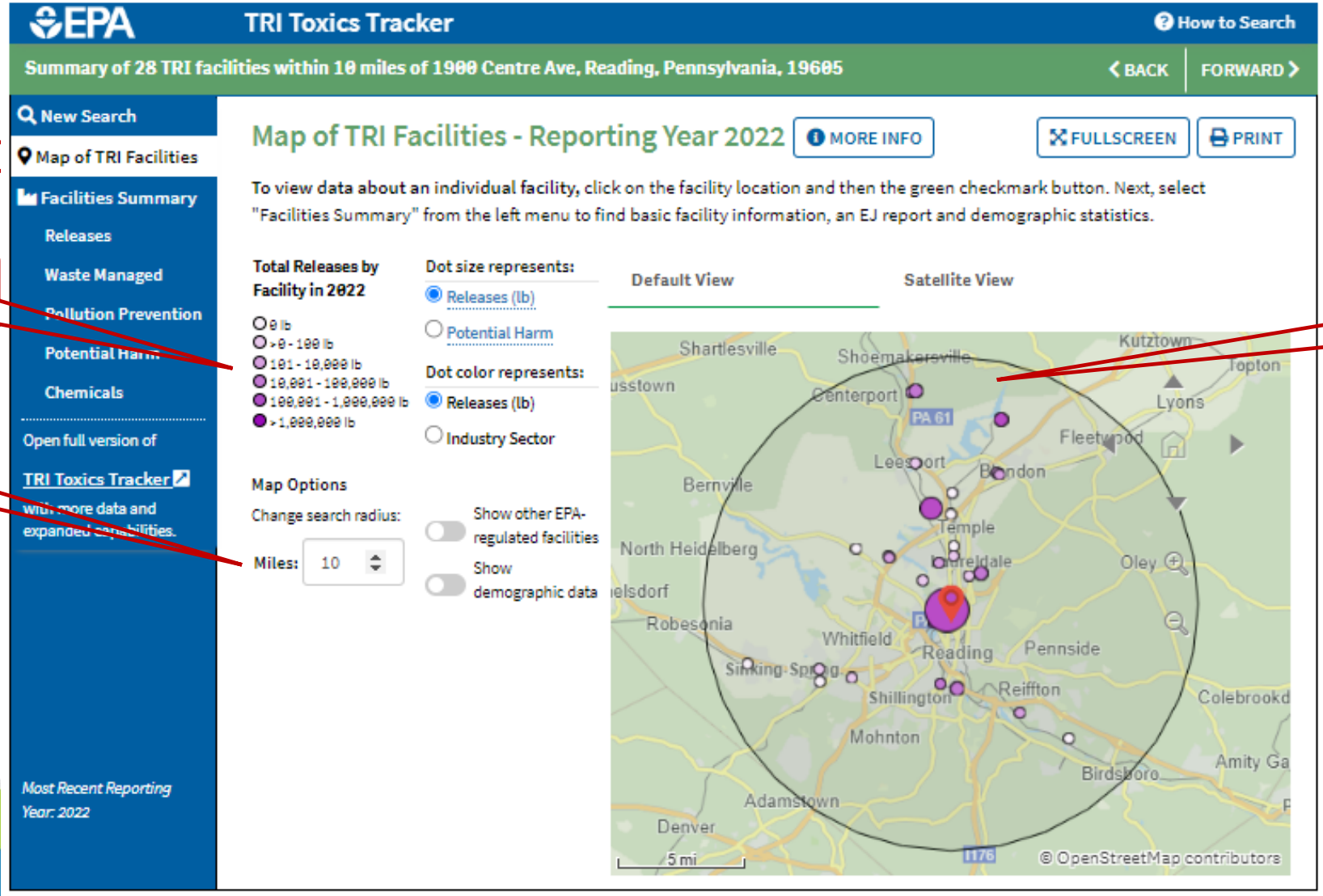
TRI Toxics Tracker demo

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



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"

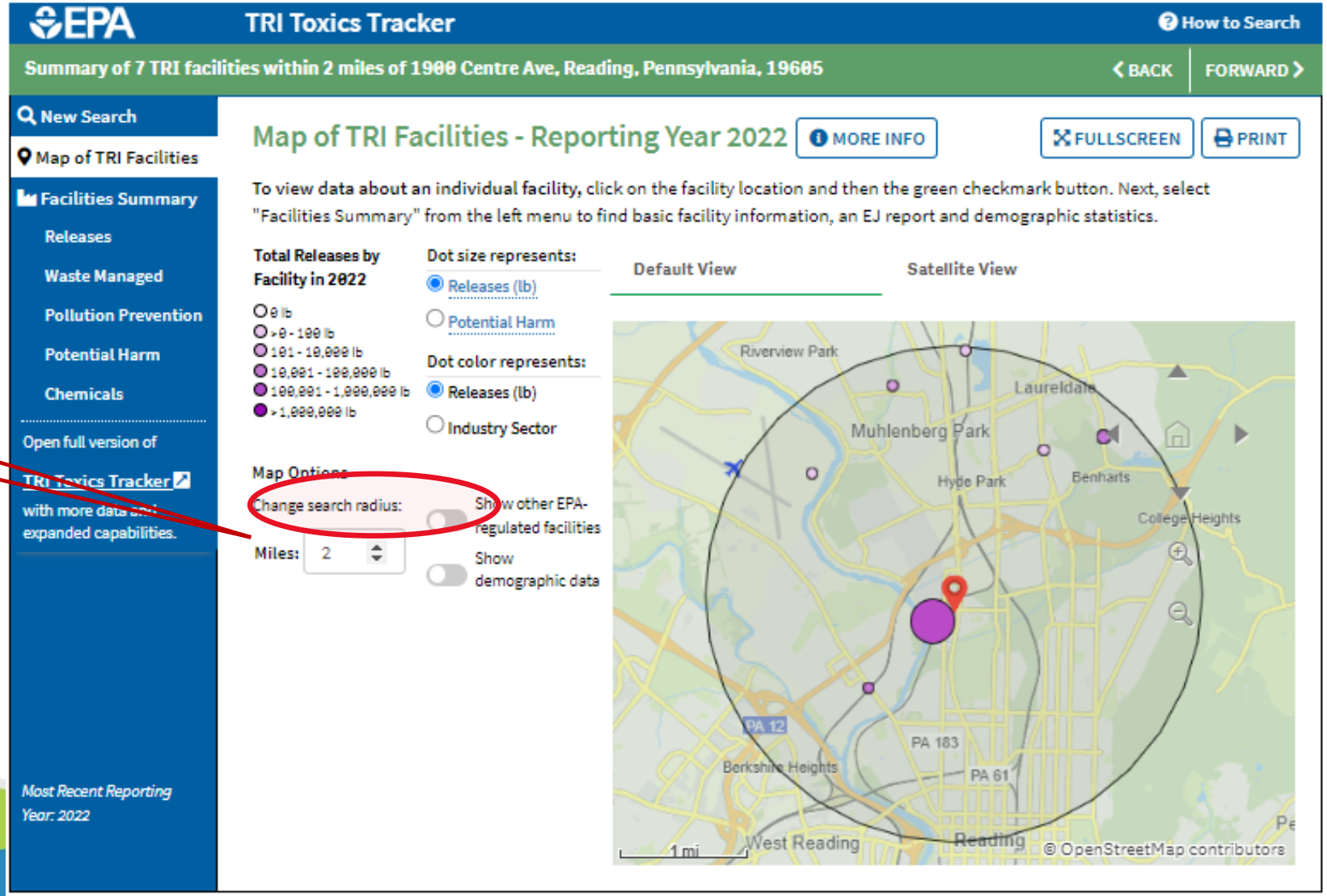
Bigger and darker dots indicate greater releases

You can customize the search distance

Each dot represents one TRI facility

TRI Toxics Tracker demo

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

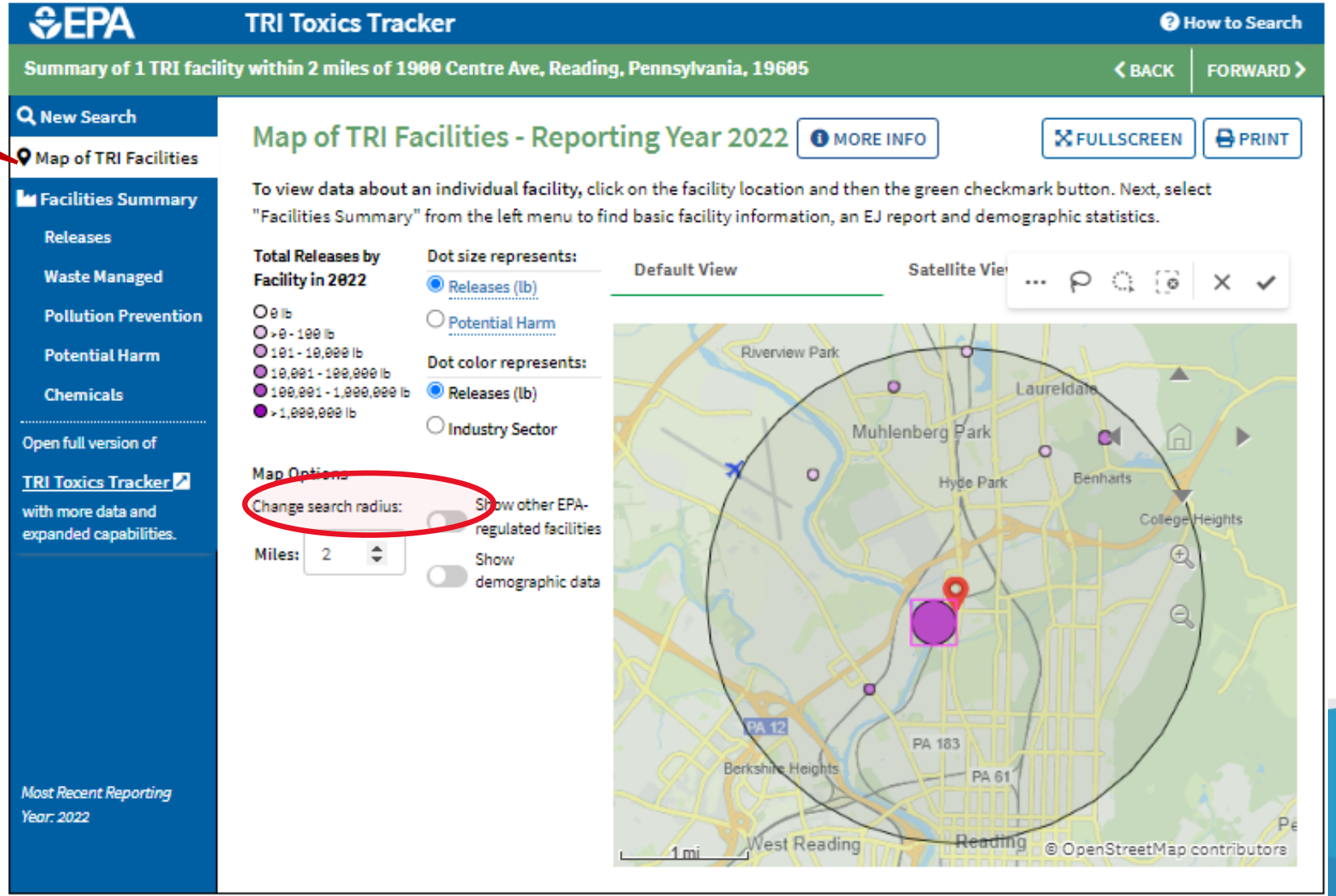


Changed to 2 miles

TRI Toxics Tracker demo

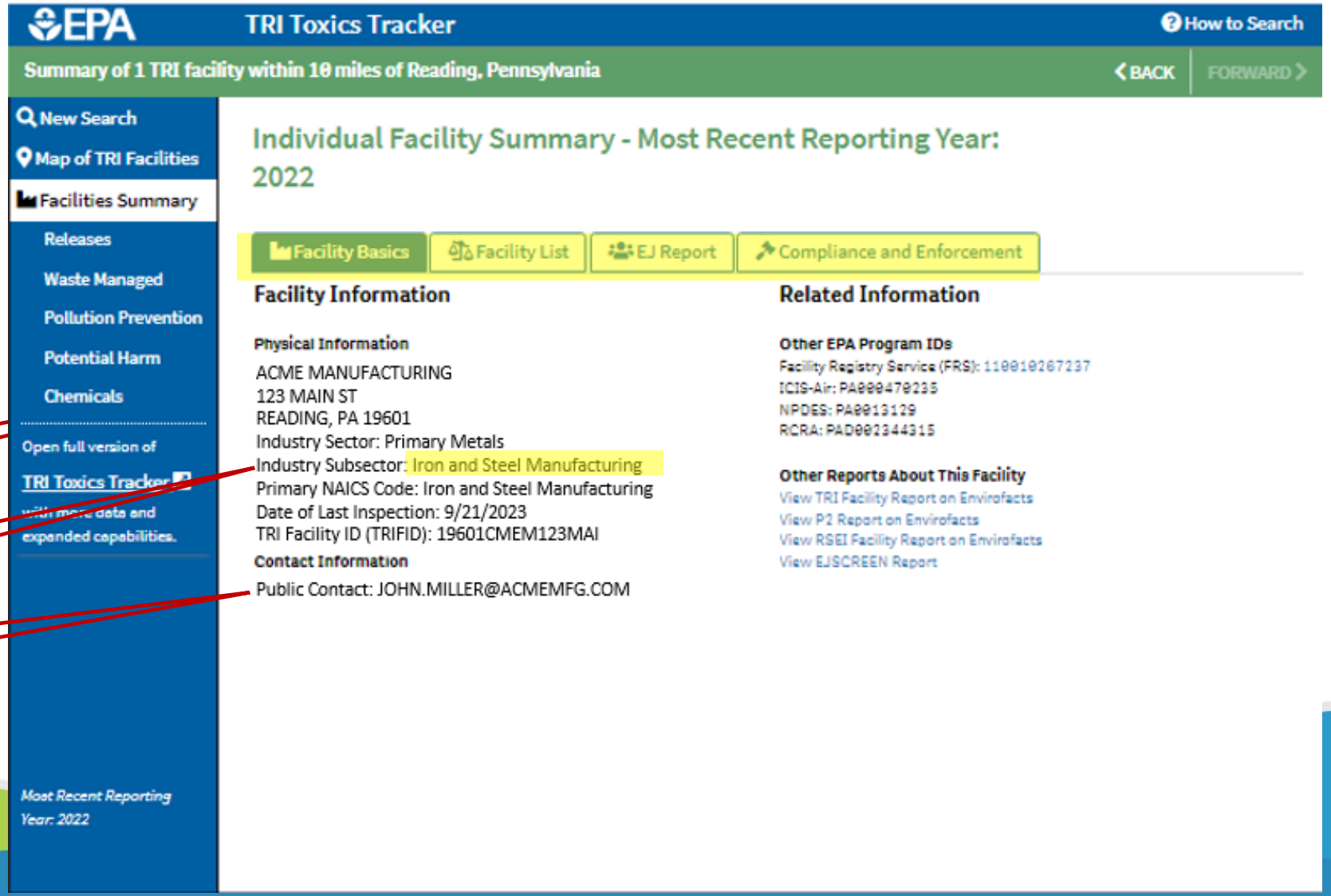
- Select a facility by clicking on the map

Use the left menu to learn more about the selected facility



TRI Toxics Tracker demo

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



Name and address of the facility

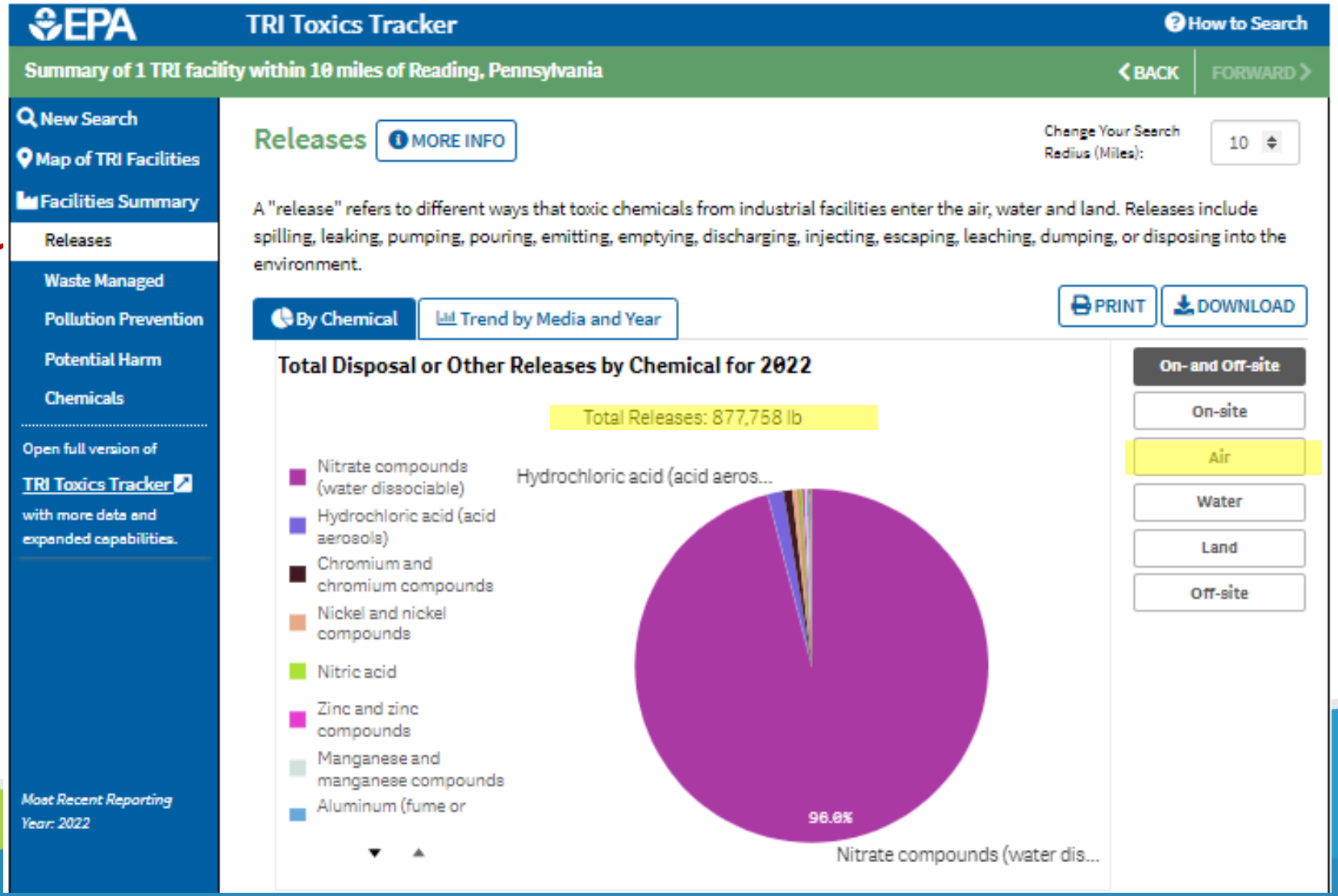
View what the facility does

Includes a public contact at the facility

TRI Toxics Tracker demo

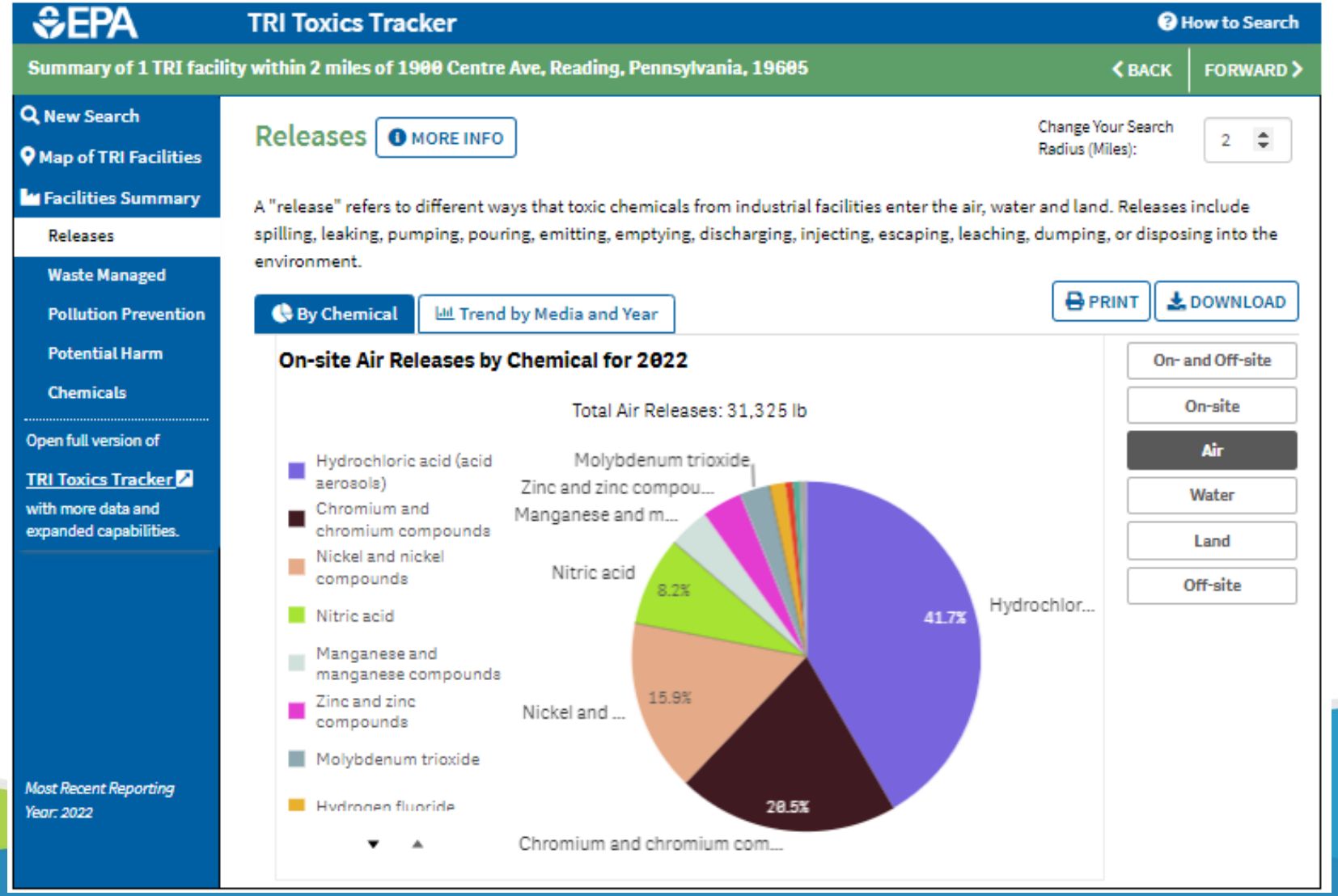
- **Releases** shows most of the releases are nitrate compounds

See what chemicals the facility released



TRI Toxics Tracker demo

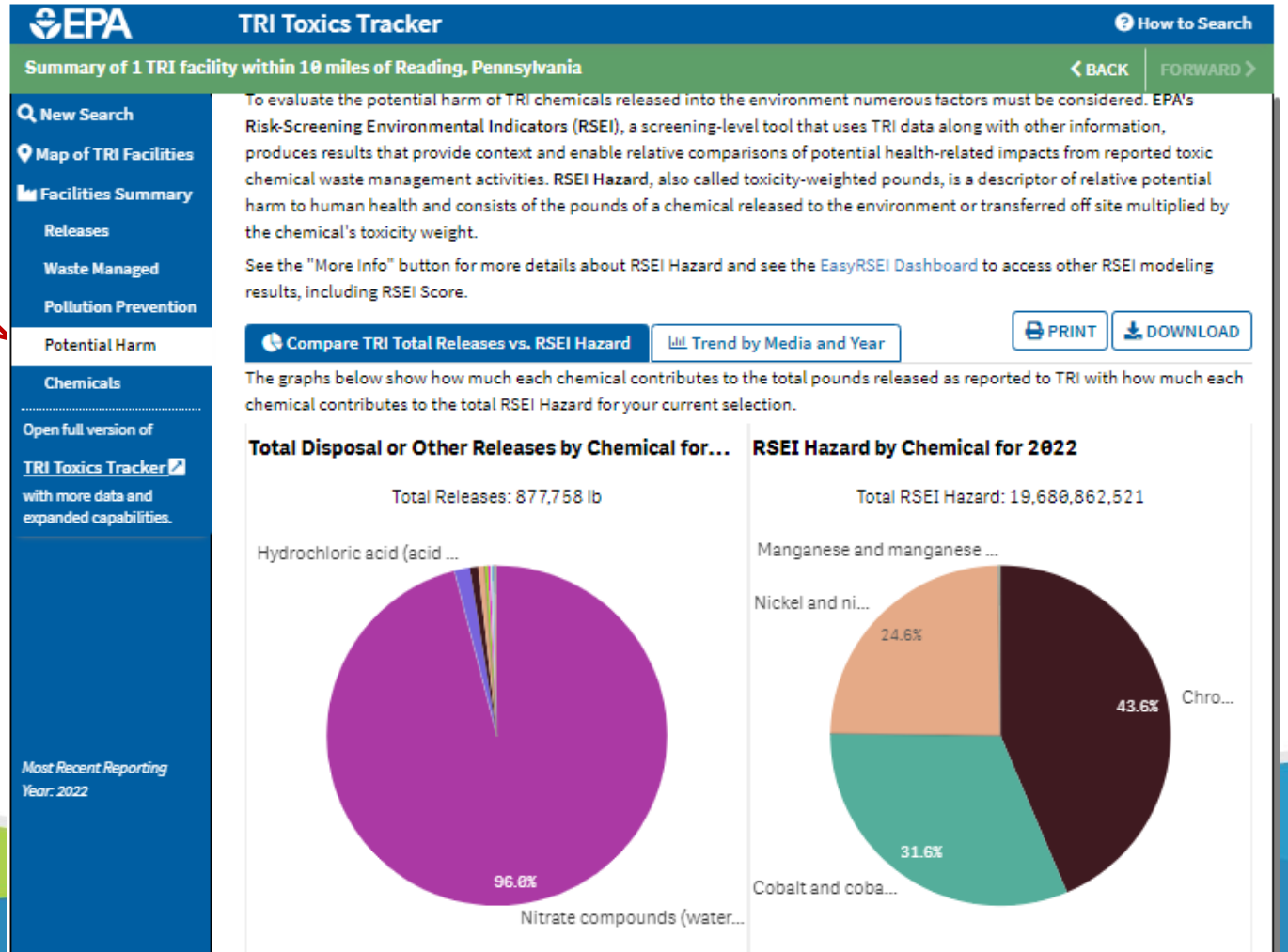
- Focusing on **Air Releases** shows numerous chemicals released to air



TRI Toxics Tracker demo

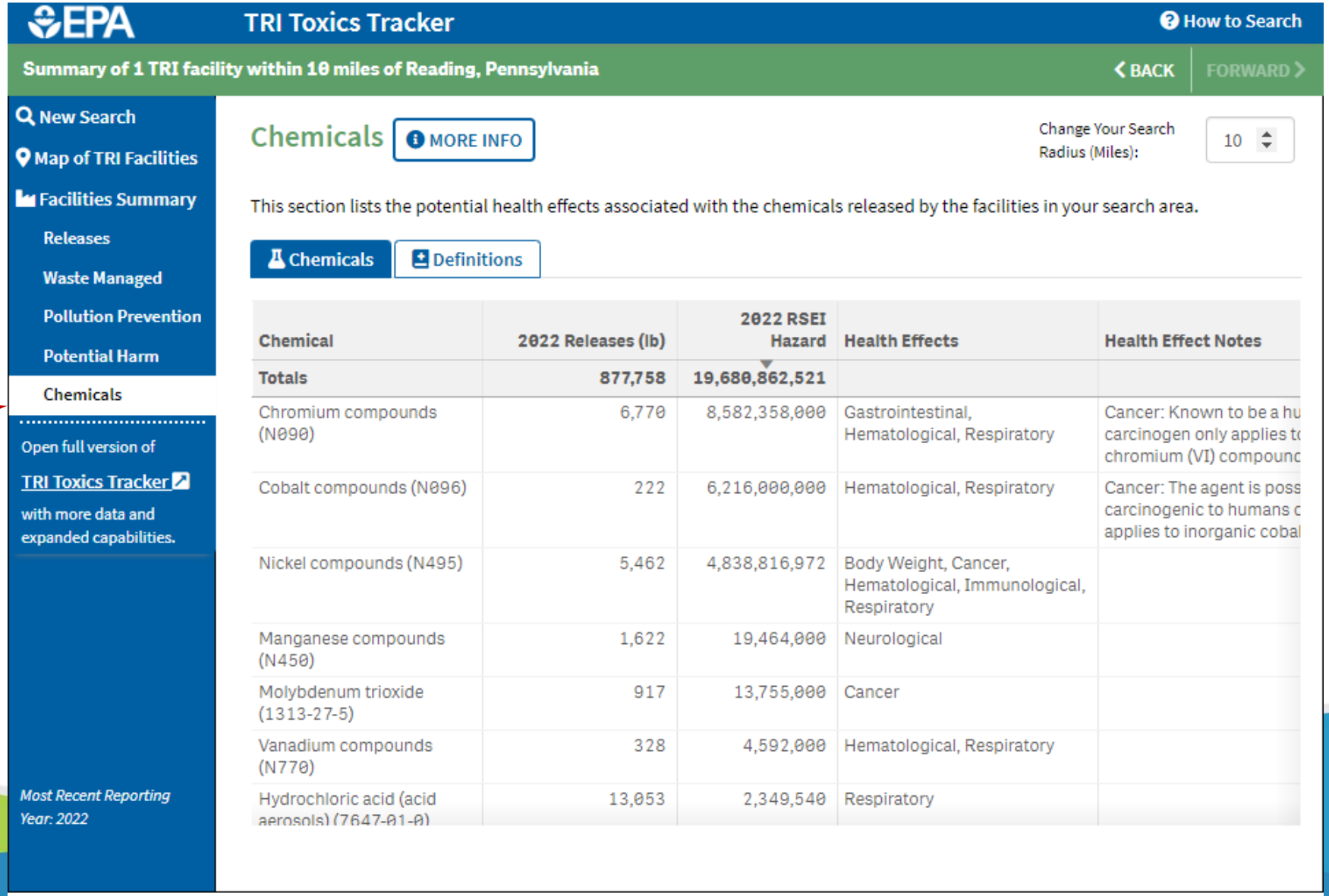
- **Potential Harm** shows chromium, cobalt and nickel releases drive potential harm
- See the **EasyRSEI Dashboard** for more on relative potential harm and risk

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

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

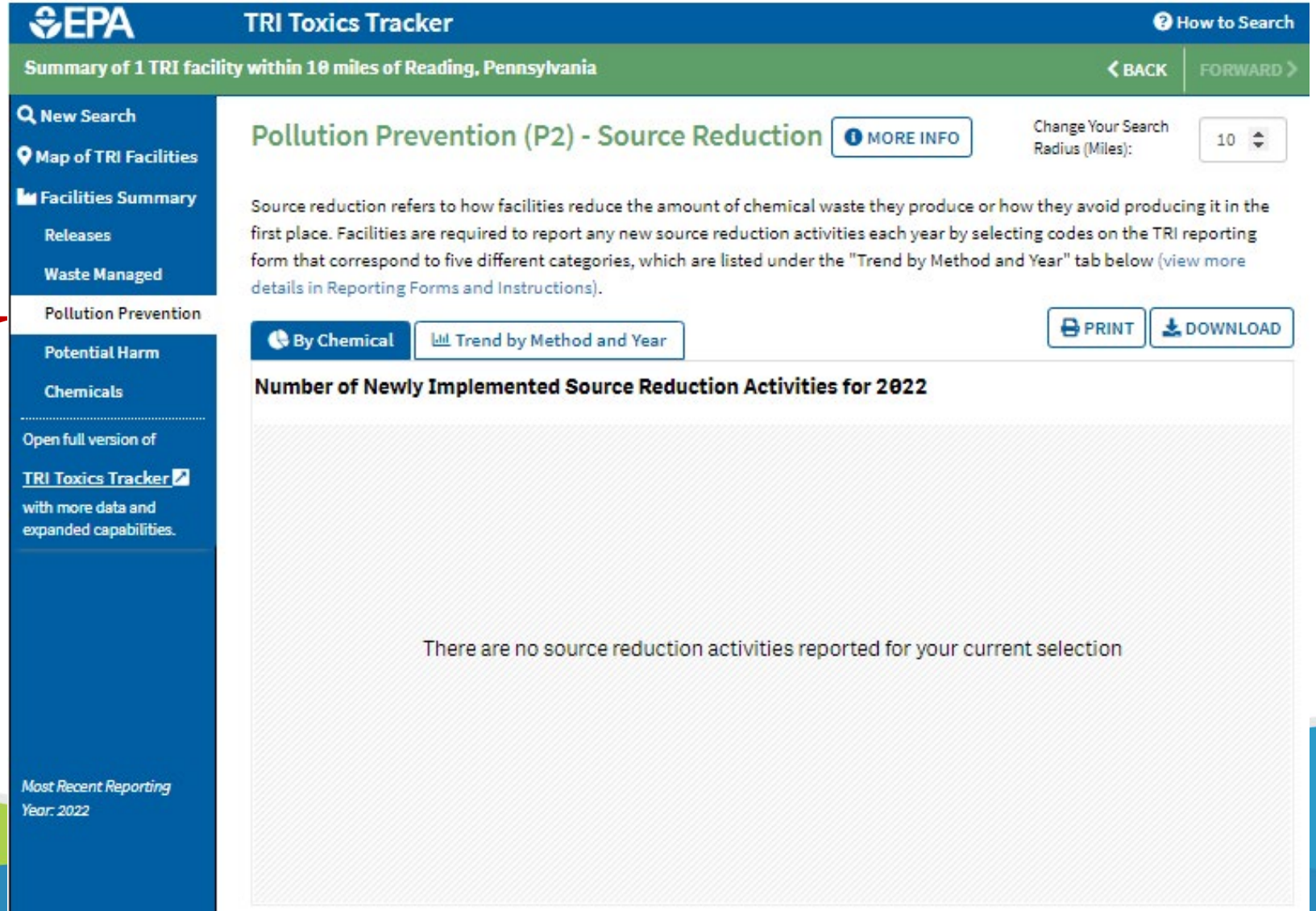


Chemical	2022 Releases (lb)	2022 RSEI Hazard	Health Effects	Health Effect Notes
Totals	**877,758**	**19,680,862,521**		
Chromium compounds (N090)	6,770	8,582,358,000	Gastrointestinal, Hematological, Respiratory	Cancer: Known to be a hu carcinogen only applies t chromium (VI) compounc
Cobalt compounds (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	

TRI Toxics Tracker demo

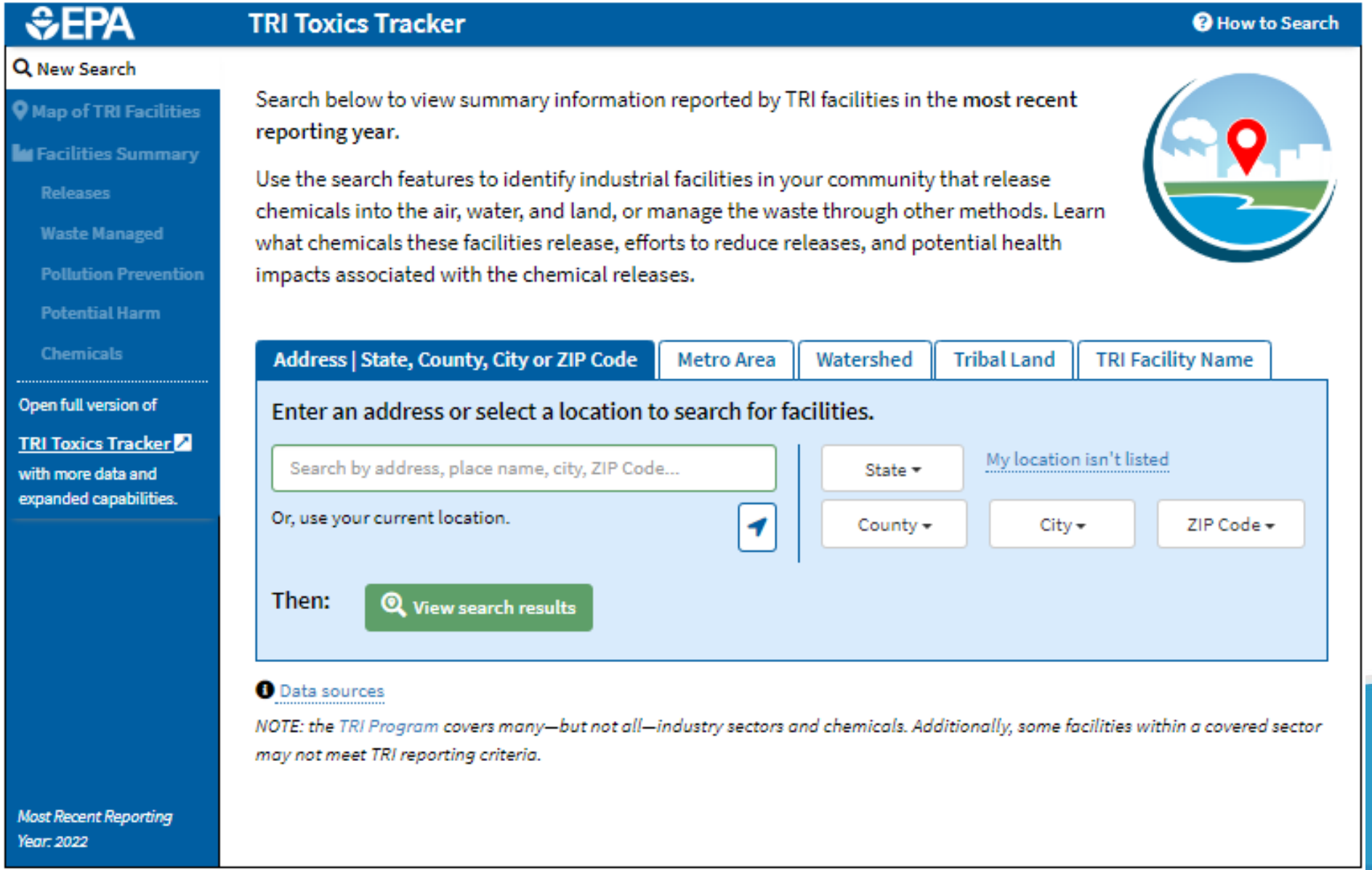
- **Pollution Prevention** shows this facility did not implement any P2 in 2022

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



TRI Toxics Tracker demo

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

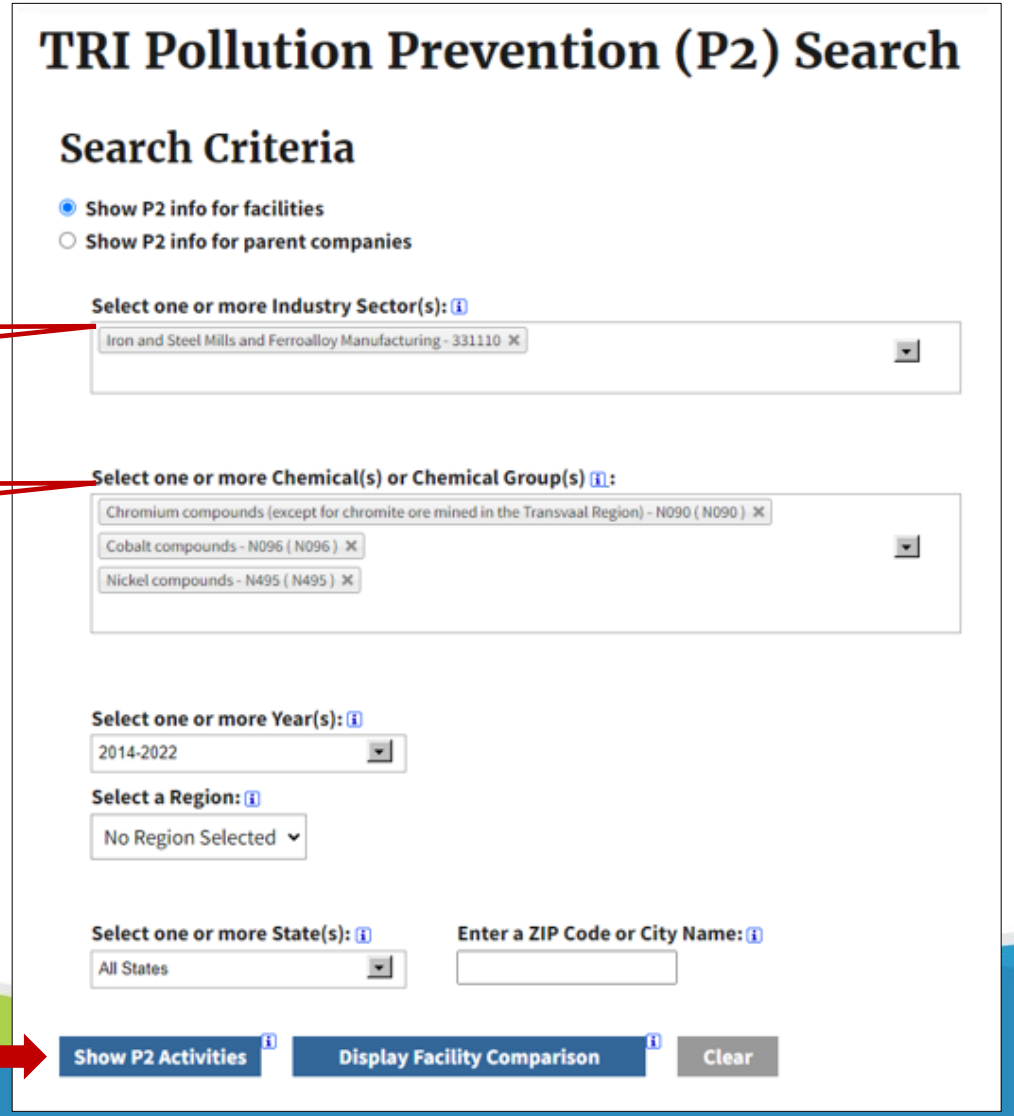


TRI Pollution Prevention Search Tool

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

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:

Industry: Iron and Steel Mills and Ferroalloy Manufacturing
Chemical: Chromium compounds (except for chromite ore mined in the Transvaal Region)
Chemical: Cobalt compounds
Chemical: Nickel compounds
Year: between 2014 and 2022

P2 Text Filters: Only show information about source reduction activities
Year-to-Year Comparison: Total Release [displayed currently]

Copy | CSV | Excel | PDF | Print

Showing 1 to 10 of 92 entries

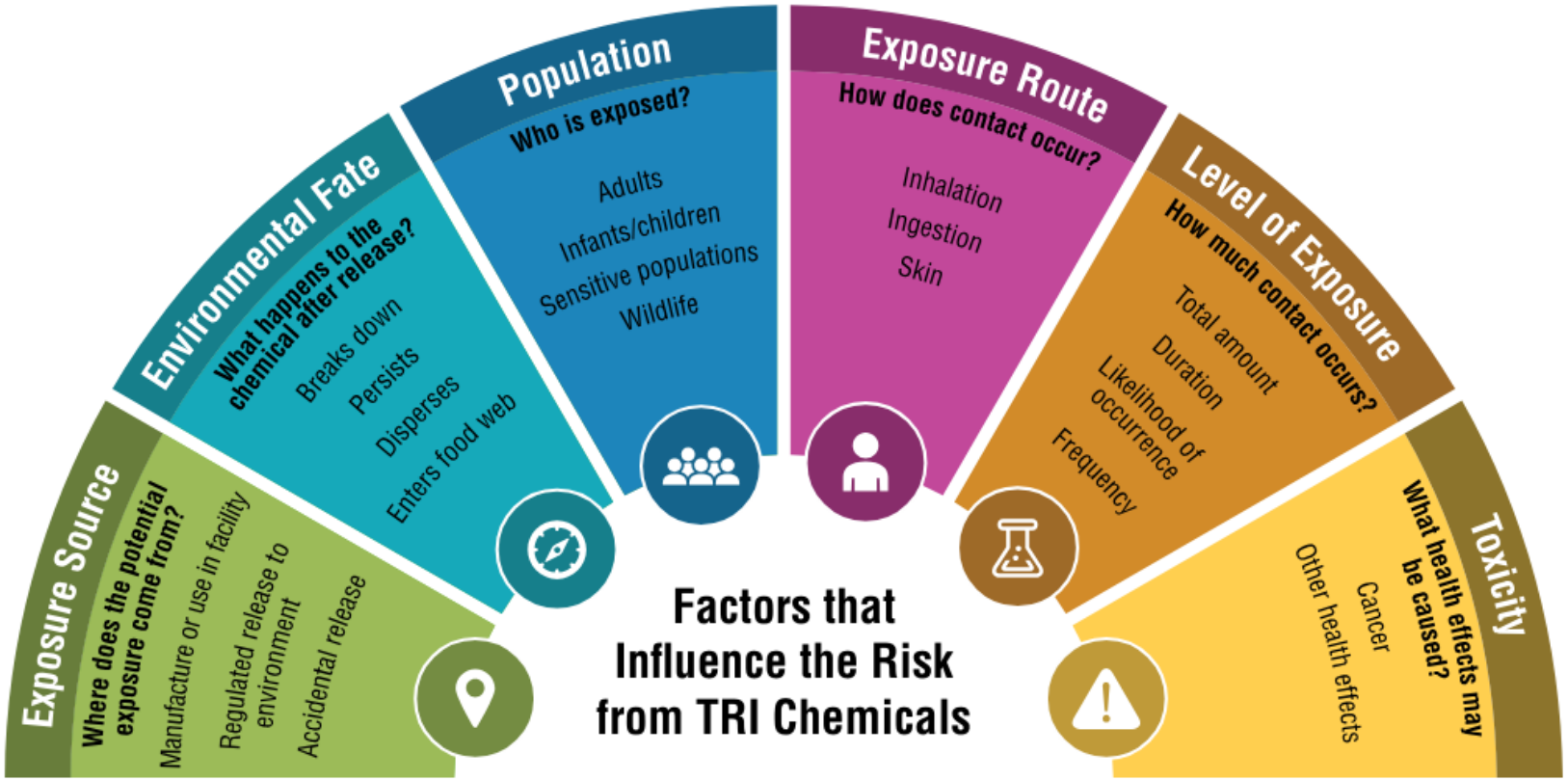
Show 10 entries

Search:

First Previous 1 2 3 4 5 … 10 Next Last

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	*Source Reduction:* W14: Changed production schedule to minimize equipment and feedstock changeovers *Other Environmental Practices:* 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	*Source Reduction:* S25: Other process modifications made - Processes generating this waste stream have been idled *Methods to Identify SR Opportunities:* T11 : OTHER - Idling of steel mill processes *Source Reduction:* 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	*Source Reduction:* W14: Changed production schedule to minimize equipment and feedstock changeovers *Other Environmental Practices:* 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	*Source Reduction:* W36: Implemented inspection or monitoring program of potential spill or leak sources *Source Reduction:* 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