

TRI – Helping Your Communities Through Improved Routine Reporting

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TRI: Improving Industry Reporting
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Agenda

- 01 What is the purpose of TRI reporting?
- 02 What are the requirements of TRI reporting?
- 03 How does your TRI report impact your community?
- 04 How can you refine your data?
- 05 Q&A and discussion





What is the purpose of TRI reporting?



Provide the public information about the releases of toxic chemicals in their community



Increase public preparedness for emergency response



Allow facilities to identify and pursue pollution prevention activities

What are the requirements of TRI reporting?

Are you subject to reporting?

Must meet 3 criteria:

1. TRI-Covered Industry Sector
 - Refer to your 6-digit NAICS Code
2. Have 10 or more full time employee equivalents
 - A total of 20,000 hours or greater
3. Manufacture, Process, or Otherwise Use EPCRA 313 chemicals in quantities greater than established thresholds

What is reported?

For each chemical identified to be reportable, the facility must report:

- Activities and uses of the chemical
- Maximum amount onsite at any time
- Quantity, in pounds*
 - Released to air (stack and fugitive)
 - Discharged to water bodies
 - Disposed, treated, energy recovered, and recycled **on-site**
 - Disposed, treated, energy recovered, and recycled **off-site** (including discharged to POTW)

Facilities should make use of
“Best Readily Available Information”

Example 1:

Facility A (a metal fabrication plant) combines the results of a Total Metals waste analysis with the total amount of that waste sent off-site in the calendar year to quantify total off-site transfers.

Example 2:

Facility B (a meat rendering plant) has no site-specific data and uses AP-42 factors to estimate hydrogen sulfide emissions from their driers.

How does your TRI report impact your community?

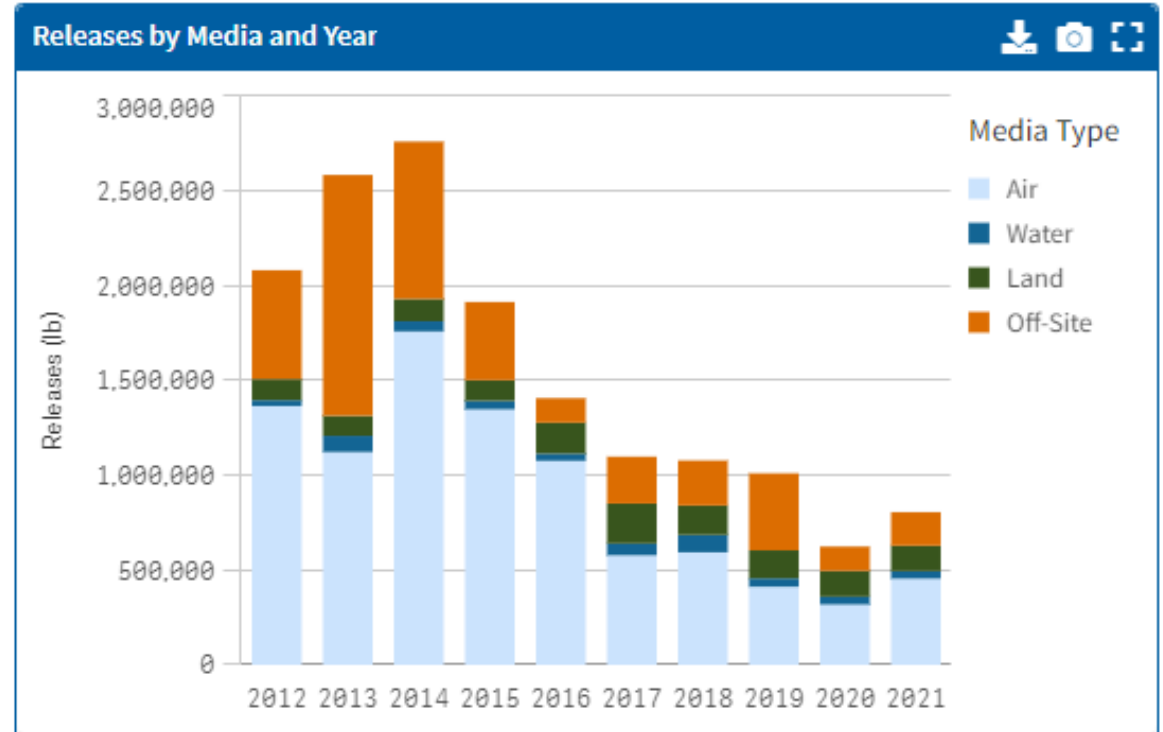
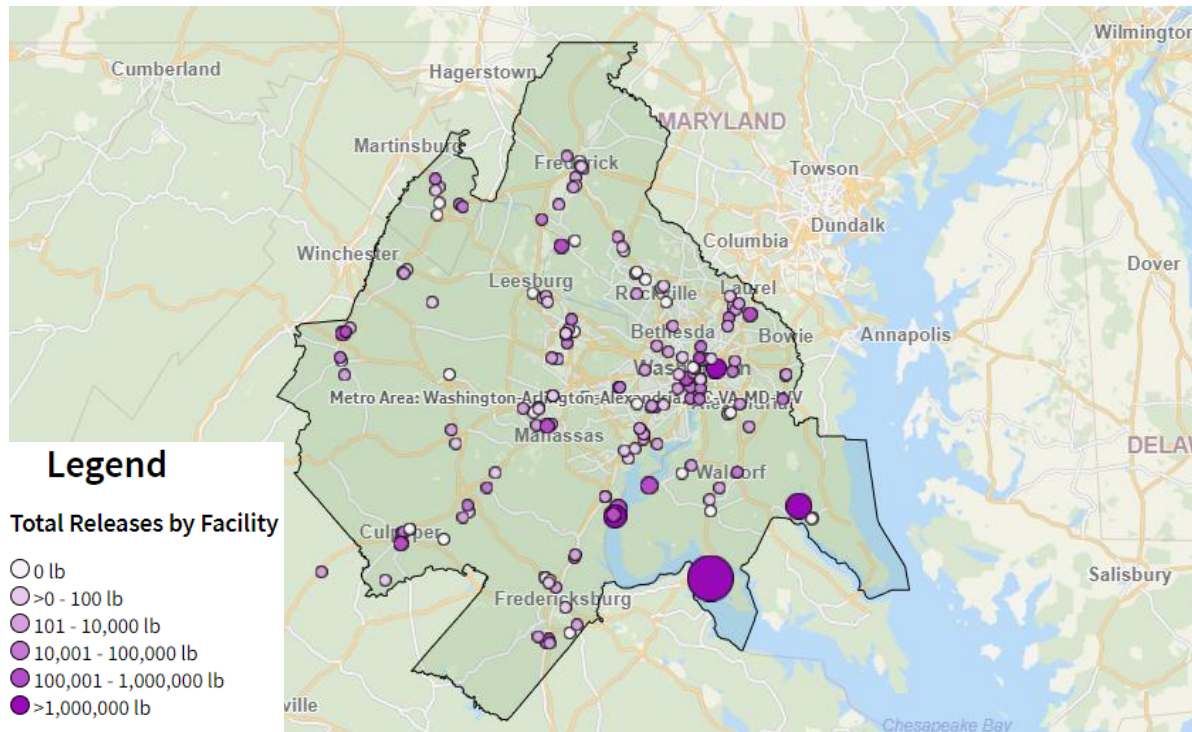
TRI Toxics Tracker

Facilities
167

Reporting Years
10 (2012 - 2021)

Chemicals Reported
86

Reporting Forms
3,522



How does your TRI report impact your community?

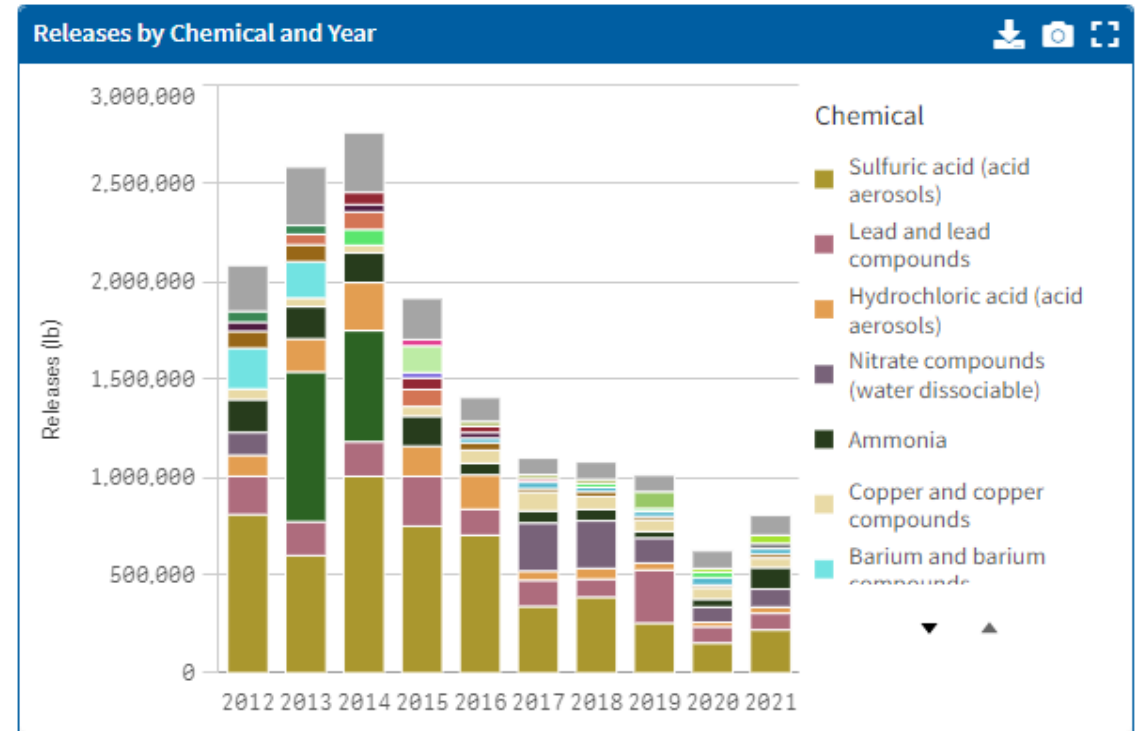
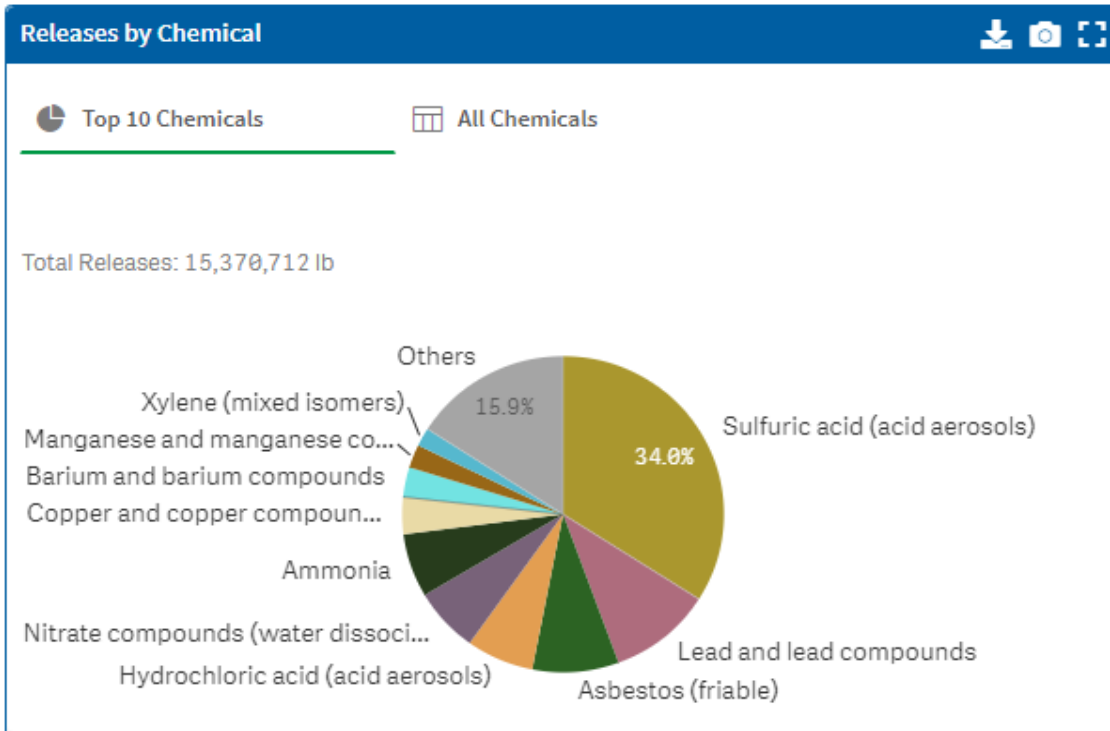
TRI Toxics Tracker cont.

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How does your TRI report impact your community?

Risk Screening Environmental Indicators (RSEI) Model

Further contextualizes information on releases of toxic substances:

- Establish priorities for further investigation (high scores)
- Look at changes in potential human health impacts over time
- Prioritize issues related to toxics management
- Combine with demographic and income data for environmental justice



Data from:

- Toxics Release Inventory (TRI)
- Relative toxicity
- Chemical's fate and transport
- Potential human exposure



Different levels to the RSEI Model:

- RSEI Modeled Hazard
- RSEI Score



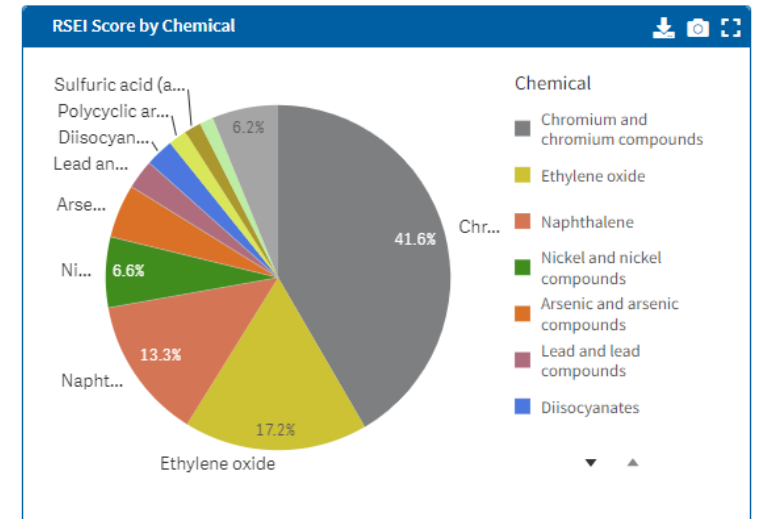
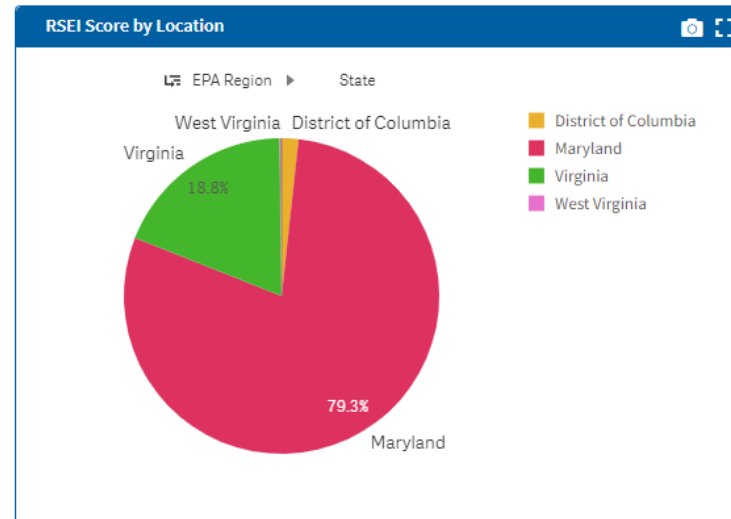
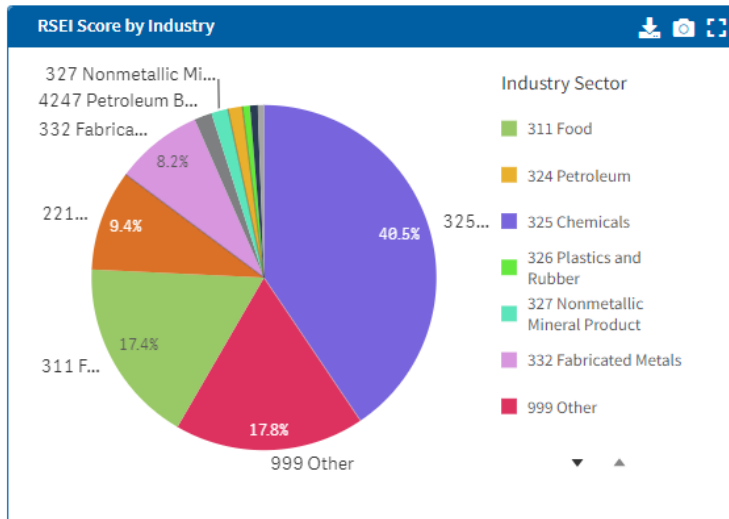
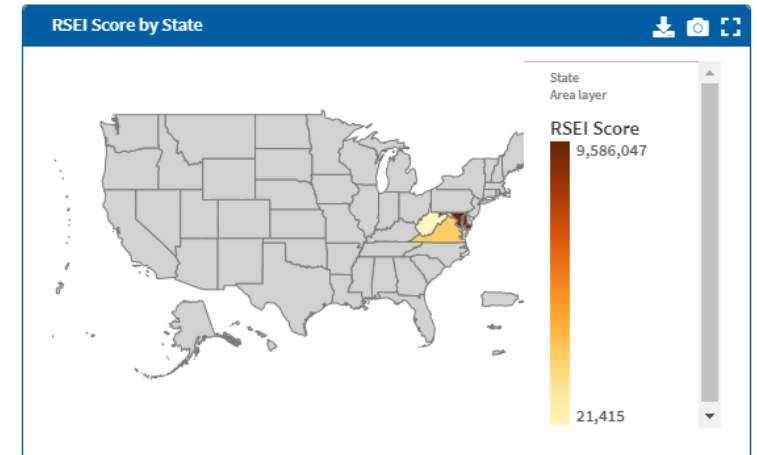
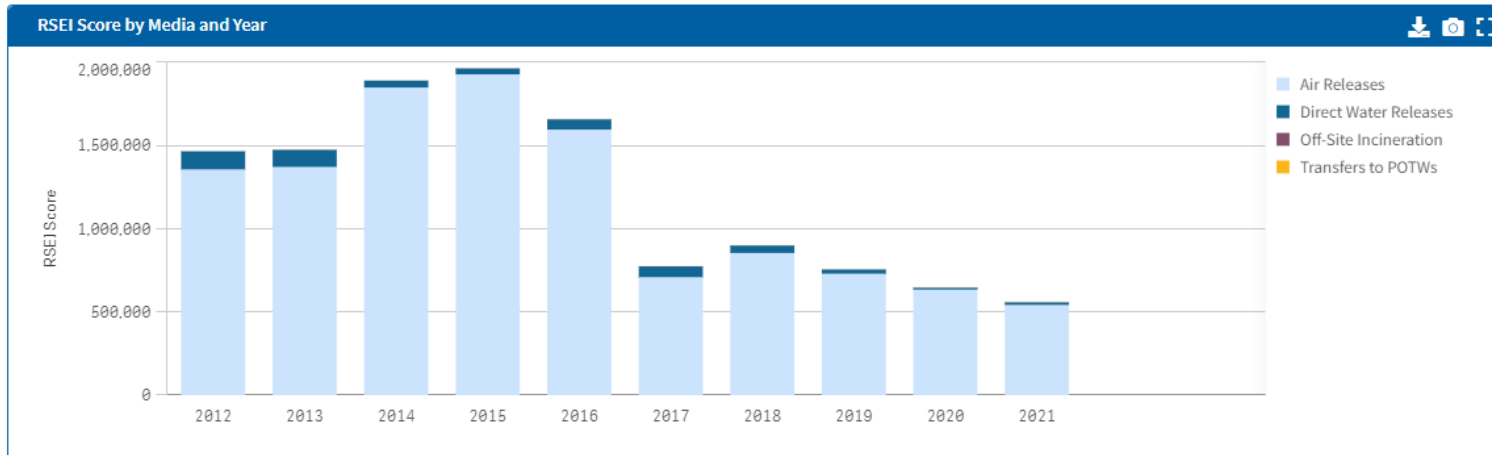
Scores by:

- Chemical
- Industry sector
- Geographic area



How does your TRI report impact your community?

EasyRSEI Dashboard



How does your TRI report impact your community?

Current uses of TRI and RSEI data:



Environmental Justice (EJ)
Screening Tools



UMASS PERI Top Polluters List



ProPublica – “Cancer Alley” Map



How can you refine your data?



Ensure Your Reports are Accurate
– Conduct and Audit



Explore Potential Ways to Refine Reports – Collect Analytical Data



Look into Pollution Prevention Options



Questions?



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Sustainable change.

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