



## Pollution Prevention Works:

A STORYTELLING CHALLENGE FOR STUDENTS



Tell a story about how a company that reports to the Toxics Release Inventory (TRI) has taken steps to reduce pollution.



Submit a video, infographics, story, or other creative format to win up to \$5000! Open to high school, undergraduate, and graduate students.



Due by February 17, 2023



<https://www.epa.gov/toxics-release-inventory-tri-program/pollution-prevention-works-storytelling-challenge-students>



# Presentation Overview

- About the Pollution Prevention Works: A Storytelling Challenge for Students
- About the Toxics Release Inventory (TRI) and pollution prevention (P2)
- Collected P2 information and examples of P2 activities
- Demo
  - [Video Challenge webpage](#)
  - How to identify facilities that have implemented P2
  - How to verify facility compliance history
- Questions & Answers



# Challenge Overview

- Tell a story about a company or industry sector's pollution prevention activities and the resulting benefits
- You can win up to \$5,000!
- 20 high school and college students can win!!



# Prizes

**EPA will award \$50,000 in total prize money to multiple participants!**

	<b>First Place</b> (two winners per category)	<b>Second Place</b> (three winners per category)	<b>Third Place</b> (five winners per category)
High School	\$5,000	\$2,500	\$1,500
Colleges and Universities	\$5,000	\$2,500	\$1,500

For team submissions, awards will be split among team members. EPA will recognize participating business partners with letters of appreciation.

[Students under 18 years of age must have parental permission.](#)



# Eligibility and Timing

## Eligibility:

- Students: high school (grades 9-12) or college/university
- Must be a United States citizen or resident
- Participants may be an individual or a team

**Not eligible to apply:** Federal employees, children of EPA employees, children of affiliated state or tribal judging panel members, and employees of the companies highlighted.

## Timing:

- Submissions accepted: September 19, 2022 - February 17, 2023
- Review of submissions: February - May 2023
- Prizes awarded: May 2023





# How to Enter

Participants must submit their submission by the February 17, 2023, deadline.

- *If the entry is a video*, you must post it to YouTube as an unlisted video and send the link along with the required paperwork listed below.

## Submission Email

- Fill out the challenge Entry Form online and submit other paperwork by email to [guthrie.christina@epa.gov](mailto:guthrie.christina@epa.gov).
- Send emails with Subject: TRI-P2 Storytelling Challenge Entry\_[challenge team name]

## Required Paperwork

Each entry must be accompanied with the following paperwork:

- [Challenge Entry Form](#) (one entry form per challenge submission)
- [EPA Agency Consent Form \(pdf\)](#) (one form for each challenge participant, requires signature for underage participants)
- [Video/Audio/Photo License Agreement \(pdf\)](#) (one form per individual appearing on the video)
- Videos can be submitted in any language, but the applicant is required to include a transcript for both English and the language presented.



# Judging Criteria

- **Submission Quality (20 points):** Submissions will be evaluated for the quality of the entry submitted.
- Make sure all submissions are legible and audio is clear for video entries.

Questions to think about:

- Is the messaging clear?
- Can the audience digest the material?
- Does the submission look appealing?



# Judging Criteria

- **Pollution Prevention Storytelling (40 points):** Submissions will be evaluated on how they communicate a persuasive, meaningful, accurate and engaging P2 message to a broad set of audiences. Credit will be given to submissions that note information identified in the TRI P2 Search Tool, describe the P2 activities that were implemented, illustrate the benefit(s) to the facility, and explain why the facility decided to invest in the P2 activity or activities.

Questions to think about:

- Have I included enough detail about the P2 practice?
- Is there a facility (or sector) specific story or example that might help the reader understand why and what the activity entailed?
- Did I explain how the reduction in pollution helped employees or community members?







# Judging Criteria

- **Community Impact Storytelling (40 points):** Submissions will be evaluated on how the implemented P2 technique or technology positively impacts the environment and the community. Submissions that quantify the environmental benefit and describe any engagements aimed at increasing awareness of the P2 actions and strengthening relationships with the community will be viewed more favorably.

Questions to think about:

- Did I describe the community?
- Were the pollution prevention impacts explained or quantified?
- Was the community aware of the work the company (or sector) did to reduce pollution?
- Are there local newspaper articles written about pollution prevention in the community that might support your story?





# The Power of Community Right to Know



<https://www.youtube.com/watch?v=Fqjh6t6Hx6s&t=1s>



# The Toxics Release Inventory (TRI)

An information resource that can help the public learn about toxic chemical waste management at facilities across the U.S.



**800+**

individual chemicals and chemical categories

**21,000+**

industrial and federal facilities

**since 1987**

annual reporting directly from facilities





# What Information do Facilities Report?

The TRI database includes information on:



Releases



Waste  
Transfers



Recycling  
Energy Recovery  
Treatment



Pollution  
Prevention

**And much  
more!**



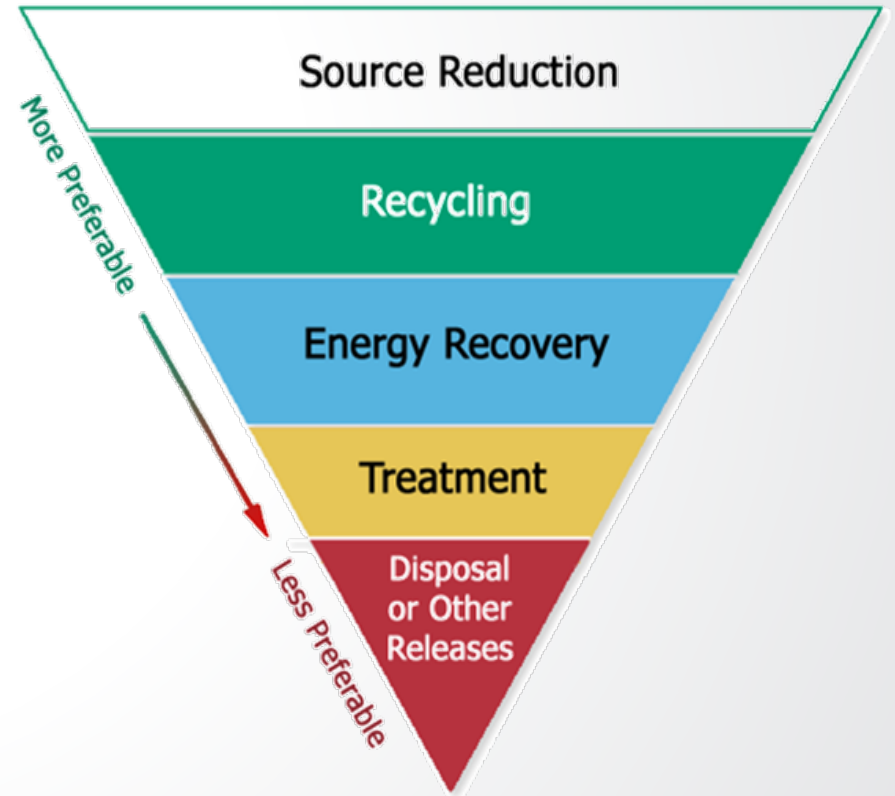


# TRI Pollution Prevention (P2)

EPA encourages facilities to **first reduce or eliminate the use of TRI-listed chemicals and the creation of chemical waste through source reduction**, as shown in the Waste Management hierarchy adapted from the Pollution Prevention Act (PPA) of 1990.

Pollution Prevention is “any practice that reduces, eliminates, or prevents pollution at its source”

## Waste Management Hierarchy



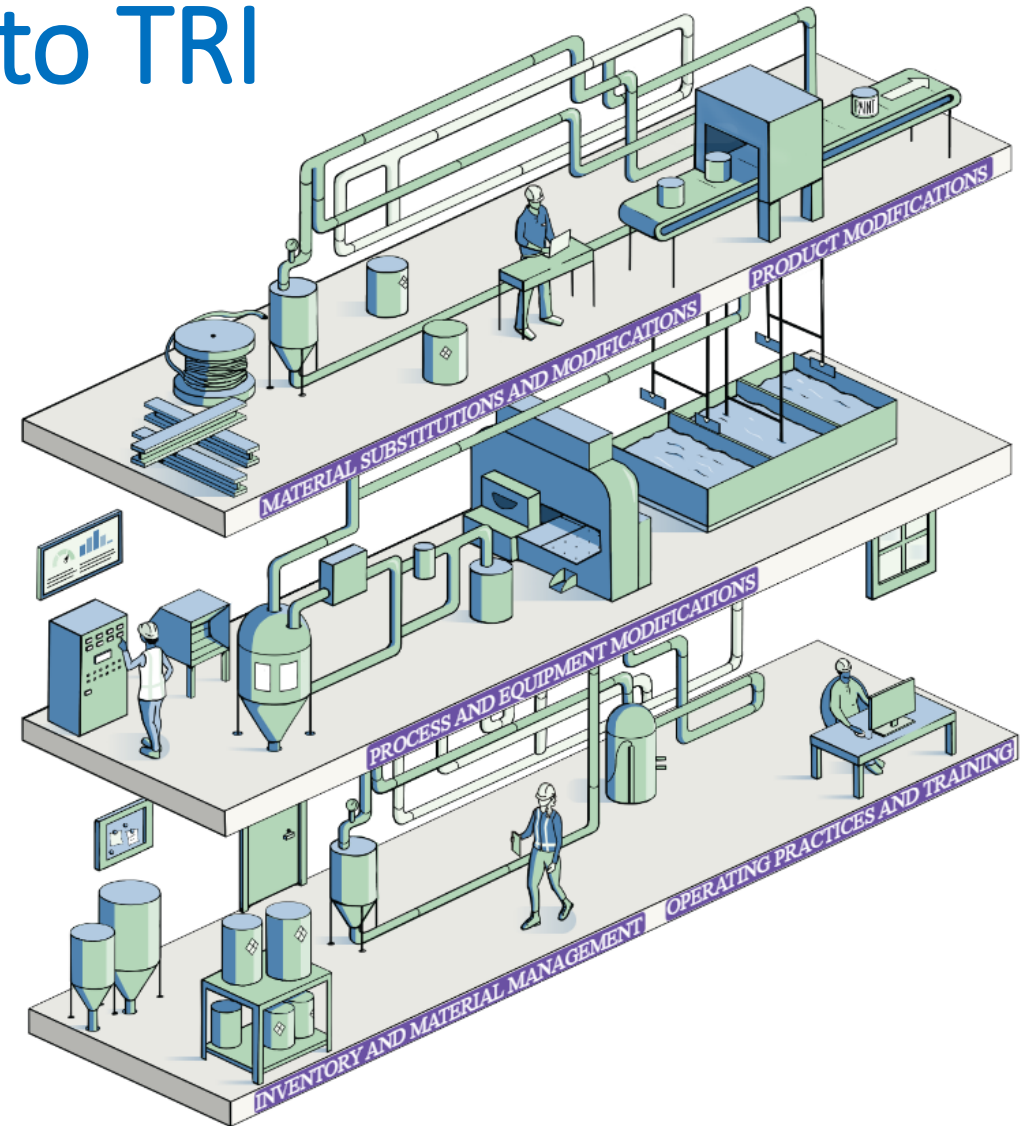
# Benefits of P2 Implementation

- Reduce environmental impact at the source
- Improve worker safety
- Reduce costs from waste management
- Enhance relationships with communities



# Implementing and Reporting Source Reduction Activities to TRI

- Implementation of source reduction activities may occur *anywhere* at an industrial facility
- Facilities must report all such activities started or fully implemented during a given year and the methods used to identify the activity (e.g., audits, vendor assistance)





# TRI Source Reduction Activity Reporting

<b>8.10</b>	Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year? If so, complete the following section; if not, check NA. NA <input type="checkbox"/>			
	Source Reduction Activities (Enter code(s))	Methods to Identify Activity (Enter code(s))		
<b>8.10.1</b>		a.	b.	c.
<b>8.10.2</b>		a.	b.	c.
<b>8.10.3</b>		a.	b.	c.
<b>8.10.4</b>		a.	b.	c.

- Facilities use pre-defined activity descriptions (codes) to report source reduction
- Source reduction activity codes appear as S or W codes

## Example Source Reduction Activity Codes

- S02** Substituted an organic solvent
- S11** Reformulated or developed new product line
- S21** Optimized process conditions to increase efficiency
- S23** Implemented new technology, technique, or process

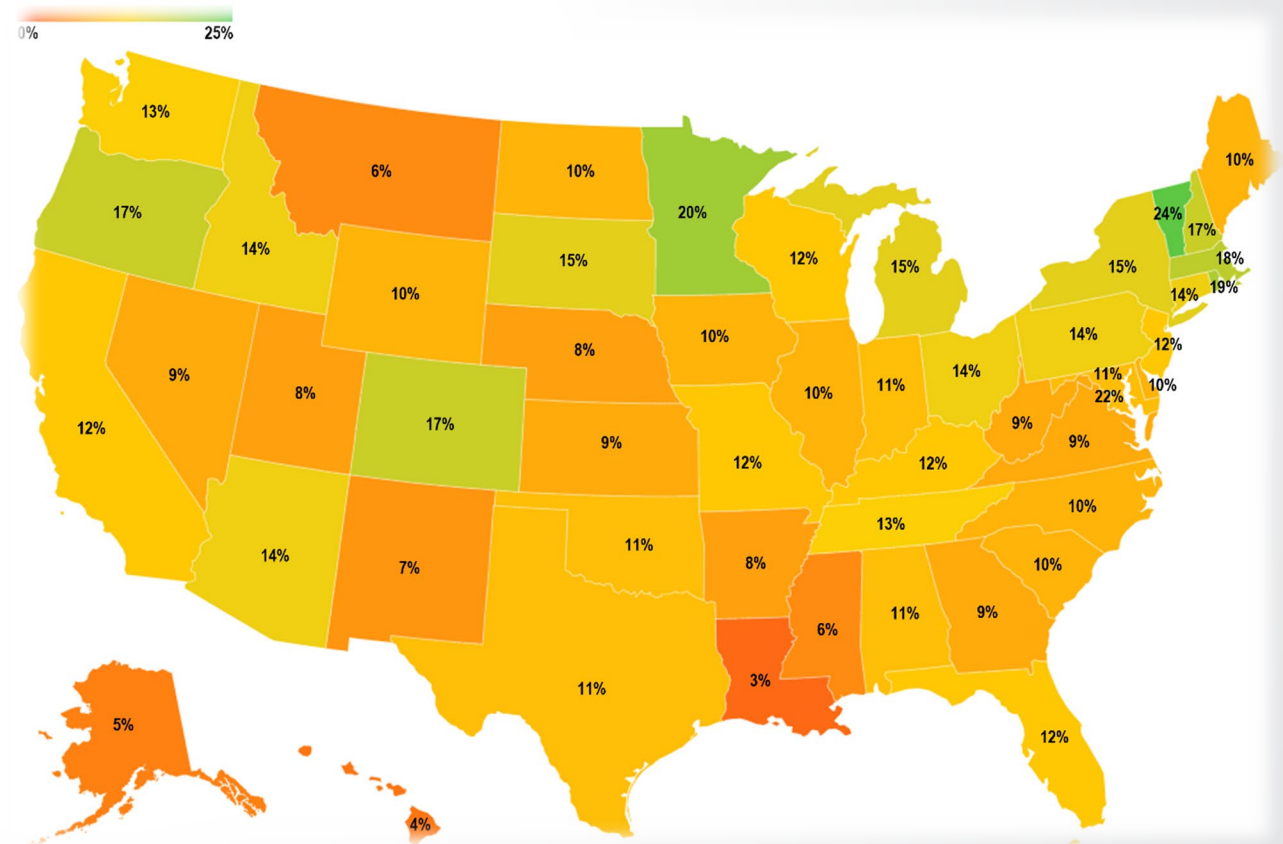
## Methods to Identify Activity Codes

- T03** Materials balance audits
- T04** Participative team management
- T10** Vendor assistance



Facilities may disclose optional P2 information:

- **Additional details about source reduction** activities implemented. Ex: efficiencies, benefits, specific substitute chemicals
- **Estimate of expected annual reduction** (amount no longer managed) resulting from the implemented activity. Ex: R1 = 100% (elimination of the chemical)
- **Barrier(s) to source reduction implementation** if a facility faces challenges in implementing source reduction. Ex: B1 Insufficient capital ....





# Examples of Optional P2 Text

## Optional Details Reported for 2019:

**Styrene:** With supplier assistance, a fiberglass manufacturing facility *began using gel coats with lower styrene content* which reduced the facility's overall usage of styrene (W82). [[Link](#)]

**N-Methyl-2-pyrrolidone:** A paint and coating manufacturing facility *implemented better monitoring of shelf life and improved its "first-in, first-out" inventory method*, which reduced the quantity of N-methyl-2-pyrrolidone waste generated. The facility also began manufacturing some products on demand rather than stocking inventory (W29). [[Link](#)]

**Trichloroethylene:** A metal heat treating facility *installed a newer degreaser with a lower temperature surface vapor control and a smaller surface* which reduced trichloroethylene waste (W71). [[Link](#)]

# Example of Source Reduction Activities

Using both the source reduction activity codes and the optional details, facilities may report the following:

## **To reduce toxic chemical emissions:**

- Switching to water-based paint or powder coating
- Increasing transfer efficiency
- Using recirculating parts or a spray gun cleaner
- Choosing water based or VOC exempt solutions
- Purchasing low HAP or low VOC input materials





# Example of Other Environmental Practices

Facilities often engage in other environmental practices that, while not source reduction, help to protect the environment.

**These are considered other environmental practices:**

- Substituting shipping containers with reusable containers
- Replacing or reducing the amount of plastic wrap
- Replacing appliances with more energy efficient equipment
- Installing auto flow valves to control and conserve water

The P2 story may describe other environmental practices if at least one source reduction activity is described.

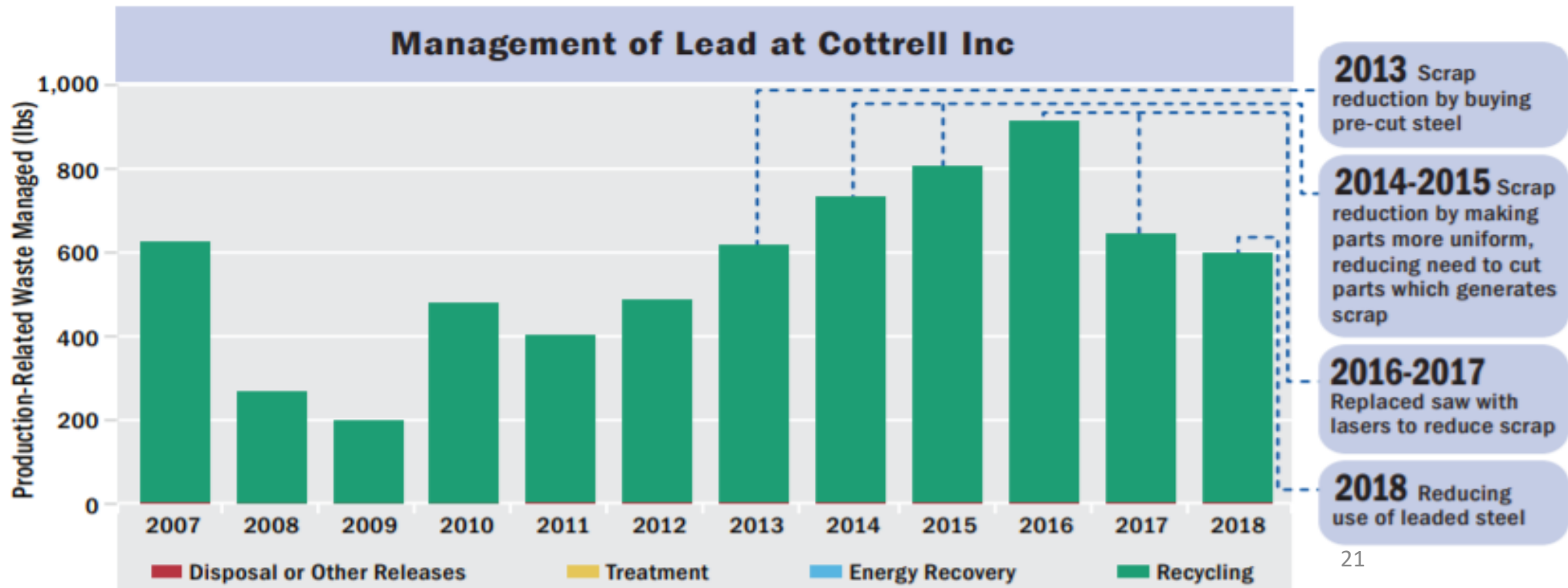




# Example of a TRI P2 Story in Print Format

## FACILITY FOCUS: Automotive Manufacturer

A [manufacturer of over-the-road car hauler trailers](#) implemented multiple P2 activities to **reduce its use of lead-containing steel and generation of scrap metal**. This facility reported P2 activities for lead every year from 2013 to 2018. For lead waste that is generated, the facility sends it offsite for recycling. The facility tracks all lead waste through an inventory management system to ensure all lead waste generated is recycled. The quantity of lead waste managed at the facility increased from 2011 through 2016 as production increased, but since 2016, lead waste managed has decreased considerably (down 35%) while production decreased slightly (down 8%).





# Example of a TRI-P2 Story in Video Format

**Video spotlighting a facility's P2 actions:**  
Nordic Ware in Minneapolis, Minnesota

For inspiration:  
This video highlights one facility's operations, philosophy toward chemical reduction, and description of changes resulting from reduced chemical use.





# Demonstration

- Overview of the [Storytelling Challenge webpage](#)
- Learn more about P2 at the [TRI P2 webpage](#) and how to find facilities implementing P2 activities using the [TRI P2 Search tool](#)



Get the latest information on the P2 Storytelling Challenge webpage:

- Rules
- How to enter
- Terms and conditions
- Judging
- Helpful resources
- FAQs

## Toxics Release Inventory (TRI) Program

[CONTACT US](#)

[TRI Program Home](#)

[What is TRI?](#)

[Covered Chemicals](#)

[Covered Industry Sectors](#)

[Reporting for Facilities](#)

[Guidance \(GuideME\)](#)

[Reporting Software \(TRI-MEweb\)](#)

[Laws & Regulatory Activities](#)

[Enforcement](#)

[Find, Understand & Use TRI](#)

[TRI Data & Tools](#)

[TRI National Analysis](#)

[TRI Pollution Prevention](#)

[P2 Analyses](#)

[P2 Resources](#)

[Data Quality](#)

[What You Can Do](#)

[TRI Site Map](#)

## Pollution Prevention Works: A Storytelling Challenge for Students

*Tell a story about how a company that reports to TRI has taken steps to reduce pollution and win up to \$5000!*

EPA launched a challenge promoting innovation in pollution prevention at industrial and federal facilities. The Challenge invites high school and college students and to use the [TRI P2 Search Tool](#) to identify a TRI facility that has reported implementing source reduction practices and tell a compelling story about how those practices or techniques benefit the business and positively impact communities and the environment. The challenge is open now and all entries must be submitted by February 17, 2023.



### Pollution Prevention Works: A STORYTELLING CHALLENGE FOR STUDENTS



Tell a story about how a company that reports to the Toxics Release Inventory (TRI) has taken steps to reduce pollution.



Submit a video, infographics, story, or other creative format to win up to \$5000! Open to high school, undergraduate, and graduate students.



Due by February 17, 2023







To access P2 information, go to [www.epa.gov/tri/p2](http://www.epa.gov/tri/p2)

or go directly to the TRI P2 Search Tool: [enviro.epa.gov/facts/tri/p2.html](http://enviro.epa.gov/facts/tri/p2.html)

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## Pollution Prevention (P2) and TRI



### The Benefits of Pollution Prevention

Pollution Prevention (P2), also known as "source reduction," is any practice that reduces, eliminates, or prevents the creation of pollution and its release into the environment or a waste stream prior to recycling, treatment, or disposal.

#### Strengthens Facility Finances



Often yields **cost-effective changes** in raw material, resource, and energy use.



**Reduces generation of chemical waste** and costs of control, treatment, and disposal.



Decreases operating, regulatory, and liability costs **strengthening economic growth**.

#### Protects Surrounding Community Environment and Health



Conserves and protects **natural resources**.



Reduces potential hazards to **employees, communities, and consumers**.



Improves public perception and enhances partnership **with the surrounding community**.

[Under the Pollution Prevention Act of 1990 \(PPA\)](#), the Toxics Release Inventory (TRI) Program collects information to track industry progress in reducing waste generation and moving towards safer waste management alternatives. Many facilities provide descriptions of measures they have taken to prevent pollution and reduce the amount of toxic chemicals entering the environment. As a result, TRI serves as a tool for identifying effective environmental practices and highlighting pollution prevention successes.

#### Access TRI's P2 Data

- [Use the TRI P2 Search Tool](#) to get info by industry sector, chemical, geography or parent company, and compare environmental performance.
- [Use the TRI Toxics Tracker](#) to explore TRI information and quickly filter by industry sector, type of source reduction activity, and other variables.

#### Featured Resources

- [P2 Challenge for Students](#)
- [Source Reduction](#)

# TRI P2 Search Tool

## Search Criteria

☒ Show P2 info for facilities  
☐ Show P2 info for parent companies

**1** Select one or more Industry Sector(s): [i](#)  
All Industry Sectors

Select one or more Chemical(s) or Chemical Group(s) [i](#):  
All Chemicals

**2** Select one or more Year(s): [i](#)  
2020 ✕  
2019 ✕  
2018 ✕  
2017 ✕  
2016 ✕

**3** Select one or more State(s): [i](#) Enter a ZIP Code or City Name: [i](#)  
CO ✕

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

## Search Objective:

*What P2 activities have been reported by facilities located in [my] state over the past five years?*

1. Keep default for industry and chemical filtering parameters
2. Filter for the desired range of years. Click on the menu and select the individual years
3. Filter by state from the drop-down menu. *Narrower search can be conducted by filtering for ZIP code or city name*
4. Click “Show P2 Activities” to query

# P2 Search Results – List of Facilities that reported P2 information

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

State: CO

Year: 2020

Year: 2019

Year: 2018

Year: 2017

Year: 2016

P2 Text Filters:

Only show information about source reduction activities

Year-to-Year Comparisons: Total Release [displayed currently]

Copy CSV Excel PDF Print

Showing 1 to 10 of 192 entries

Show 10 entries

Search:

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
80305NTNLN325BR	NATIONAL INSTITUTE OF STANDARD&TECHNOLOGY BOULDER (US DEPARTMENT OF COMMERCE)	325 BROADWAY ST - MC 173.02, BOULDER, CO 80305	Lead	921190: Other General Government Support	2019	16.46	.15	-99.09%	<div>Source Reduction: W29: Other changes in inventory control - The disposal of unneeded hazardous materials is encouraged.</div> <div>Methods to Identify SR Opportunities: T11 : OTHER - Chemical inventory system used to track materials on site.</div>	P2 Report
80305NTNLN325BR	NATIONAL INSTITUTE OF STANDARD&TECHNOLOGY BOULDER (US DEPARTMENT OF COMMERCE)	325 BROADWAY ST - MC 173.02, BOULDER, CO 80305	Mercury	921190: Other General Government Support	2020	1.03	.02	-97.67%	<div>Source Reduction: Source Reduction - A Mercury reduction campaign has been in effect for over ten years. Unwanted mercury is managed as hazardous or universal waste and disposed/recycled. In addition, older plumbing is replaced eliminating</div>	P2 Report

*Note: To find P2 information, look for text marked “Source Reduction”*

1. Search parameters are listed here
2. Facility report information: facility name, sector, chemical and year reported
3. Comparison Information related to release and waste managed quantities. Default set to Total Release
4. P2 information including source reduction codes and optional comments. Default set to “Only show information about source reduction activities”

# P2 Search Results: List of Facilities that Reported P2 Information

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

State: CO  
Year: 2020  
Year: 2019  
Year: 2018  
Year: 2017  
Year: 2016

1

P2 Text Filters:1

Only show information about source reduction activities

Year-to-Year Comparison: Total Release [displayed currently]

- Only show information about source reduction activities
- Show information about source reduction AND other environmental practices
- Exclude facilities that reported activity codes but no text descriptions
- Show information on barriers to implementing source reduction activities
- Show ALL information reported in pollution prevention data fields

Copy CSV Excel PDF Print

2

Showing 1 to 10 of 192 entries

Show 10 entries

First Previous 1 2 3 4 5 ... 20 Next Last

3

Search:

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 4
80305NTNLN325BR	NATIONAL INSTITUTE OF STANDARD&TECHNOLOGY BOULDER (US DEPARTMENT OF COMMERCE)	325 BROADWAY ST - MC 173.02, BOULDER, CO 80305	Lead	921190: Other General Government Support	2019	16.46	.15	-99.09%	Source Reduction: W29: Other changes in inventory control - The disposal of unneeded hazardous materials is encouraged.  Methods to Identify SR Opportunities: T11: OTHER - Chemical inventory system used to track materials on site.	P2 Report
80305NTNLN325BR	NATIONAL INSTITUTE OF STANDARD&TECHNOLOGY BOULDER (US DEPARTMENT OF COMMERCE)	325 BROADWAY ST - MC 173.02, BOULDER, CO 80305	Mercury	921190: Other General Government Support	2020	1.03	.02	-97.67%	Source Reduction: Source Reduction - A Mercury reduction campaign has been in effect for over ten years. Unwanted mercury is managed as hazardous or universal waste and disposed/recycled. In addition, older plumbing is replaced eliminating	P2 Report

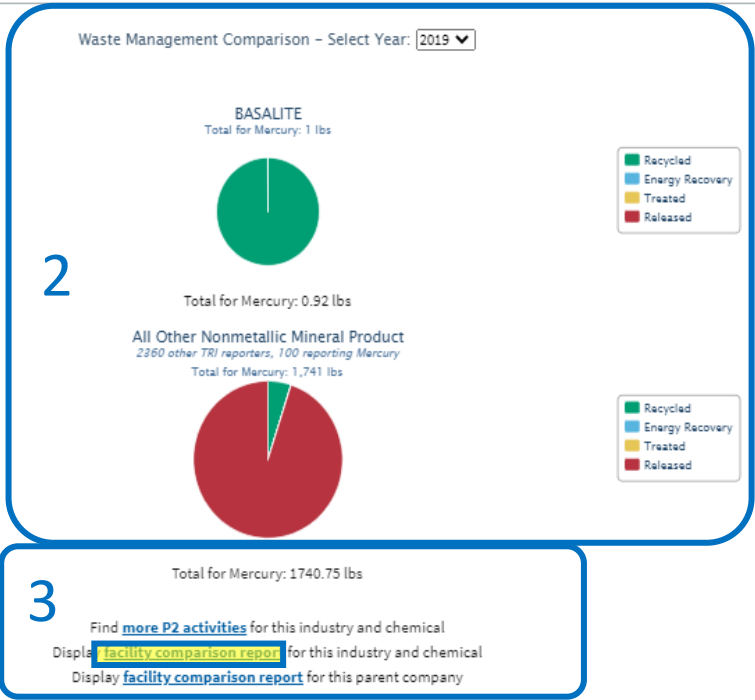
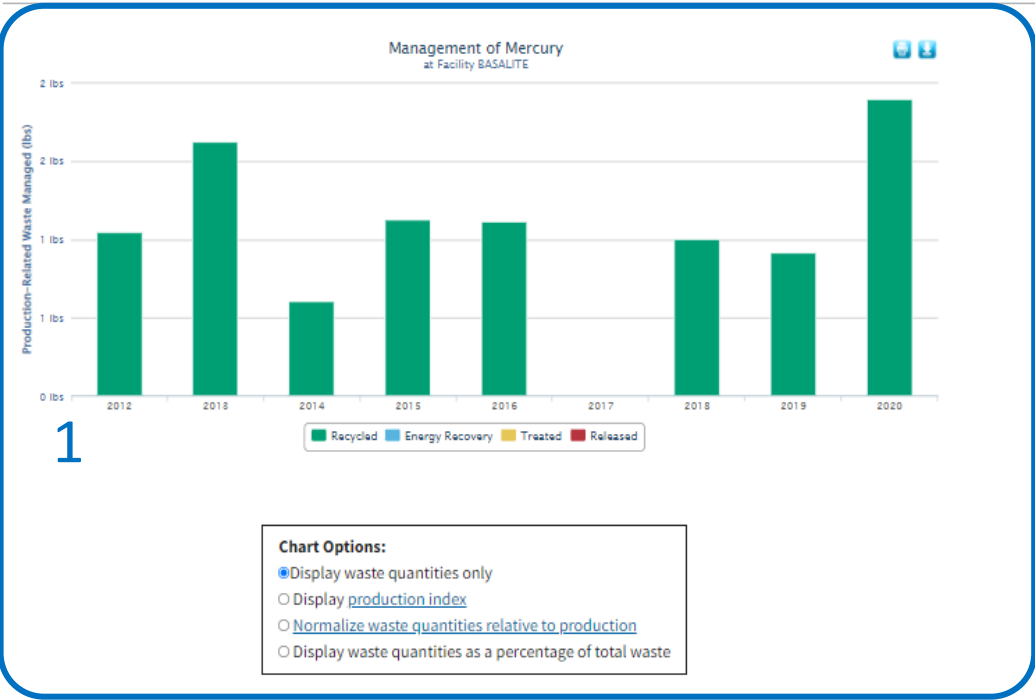
1. P2 Text filters drop down changes the type of P2 information displayed. To find facilities that have reported optional P2 details, select “Exclude facilities that reported activity codes but no text descriptions”
2. Export the results. The list of facilities is downloadable in a variety of formats.
3. Explore and refine list within tool by entering terms in the search bar. Searches all columns.
4. Click on the P2 Details button to view a facility level P2 report for that facility-chemical.



# P2 Facility-level Report for an Individual Chemical

## Production Related Waste Management for Selected Chemical

4 Show P2 data for other chemicals at this facility:



1. Waste management trend by method. Select another chart display, e.g., view normalized waste quantities.
2. Pie charts comparing facility to others in the sector
3. Links to more P2 information, including detailed facility comparison reports
4. Option to view other individual chemical reports or a facility-level report for all chemicals managed

## Pollution Prevention Activities for Selected Chemical

[Copy](#) [CSV](#) [Excel](#) [PDF](#) [Print](#)

Search:

Reporting Year	Section 8.10: Newly Implemented Source Reduction Activity	Section 8.10: Methods to Identify Activity	Section 8.11: Optional Pollution Prevention Information*
2020	Source Reduction:: W36: Implemented inspection or monitoring program of potential spill or leak sources	Methods to Identify SR Opportunities: T03: Materials balance audits	Source Reduction - Inventory Raw materials to identify points of waste then correcting the equipment to reduce further loss.
			W49: Reducing cross-contamination at the aggregate storage bins, and cleaning up raw spilled materials quickly.



# P2 Facility-level Report for an Individual Chemical

Pollution Prevention Activities for Selected Chemical			
<div> <div>Copy</div> <div>CSV</div> <div>Excel</div> <div>PDF</div> <div>Print</div> </div> <div>Search: <input type="text"/></div>			
Reporting Year	<div>1</div> <div>Section 8.10: Newly Implemented Source Reduction Activity</div>	<div>2</div> <div>Section 8.10: Methods to Identify Activity</div>	<div>3</div> <div>Section 8.11: Optional Pollution Prevention Information*</div>
2020	<div>Source Reduction::</div> <div>W36: Implemented inspection or monitoring program of potential spill or leak sources</div>	<div>Methods to Identify SR Opportunities: T03: Materials balance audits</div>	<div>Source Reduction - Inventory Raw materials to identify points of waste then correcting the equipment to reduce further loss.</div>
2019	<div>Source Reduction::</div> <div>W49: Other raw material modifications[-0-4%]</div>	<div>Methods to Identify SR Opportunities: T03: Materials balance audits</div> <div>Methods to Identify SR Opportunities: T01: Internal pollution prevention opportunity audit(s)</div> <div>Methods to Identify SR Opportunities: T11: Other</div>	<div>W49: Reducing cross-contamination at the aggregate storage bins, and cleaning up raw spilled materials quickly.</div> <div>Source Reduction - Monthly Inventory of raw materials to help identify waste in the production process.</div> <div>Source Reduction - Sweeping the main drive monthly to reduce the truck sediment from entering the storm drains.</div> <div>Other Barriers to Source Reduction - Training a workforce who cares about the finished product an the reduction of raw materials.</div>

1. Reported source reduction activities by year for the specific chemical
2. Methods used to identify the implemented source reduction activity
3. Optional comments for source reduction, barriers, and other environmental practices

# TRI P2 Search Tool

## Search Objective:

*How have facilities managed chemical waste in [my] state during a given year? Have any of these facilities reported P2 activities?*

**Search Criteria**

☒ Show P2 info for facilities  
☐ Show P2 info for parent companies

**1** Select one or more Industry Sector(s): [i](#)  
All Industry Sectors

Select one or more Chemical(s) or Chemical Group(s) [i](#):  
All Chemicals

**2** Select one or more Year(s): [i](#)  
2020

**3** Select one or more State(s): [i](#) Enter a ZIP Code or City Name: [i](#)  
CO

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

1. Keep default for industry and chemical filtering parameters
2. Filter for a specific year
3. Filter for a specific state
4. Click “Display Facility Comparison” to query

# Facility Comparison Report of Industry and Chemical

## Facility Comparison Report for TRI Facilities Meeting Selected Criteria:

**Industry:** Nonmetallic Mineral Product

**Chemical:** Mercury

Year: 2020

109 facilities meet these criteria and are displayed below. 7 of them reported P2 in 2020. [Show P2 Activities.](#)

**Select one of the (other) top chemicals reported by this sector(s):**

2

Display Data In: ☒ Chart  ☐ Table   ☐ Map 

### Chart Options:

Display waste quantities

### Display waste quantities

☐ Display waste quantities as a percentage of total waste

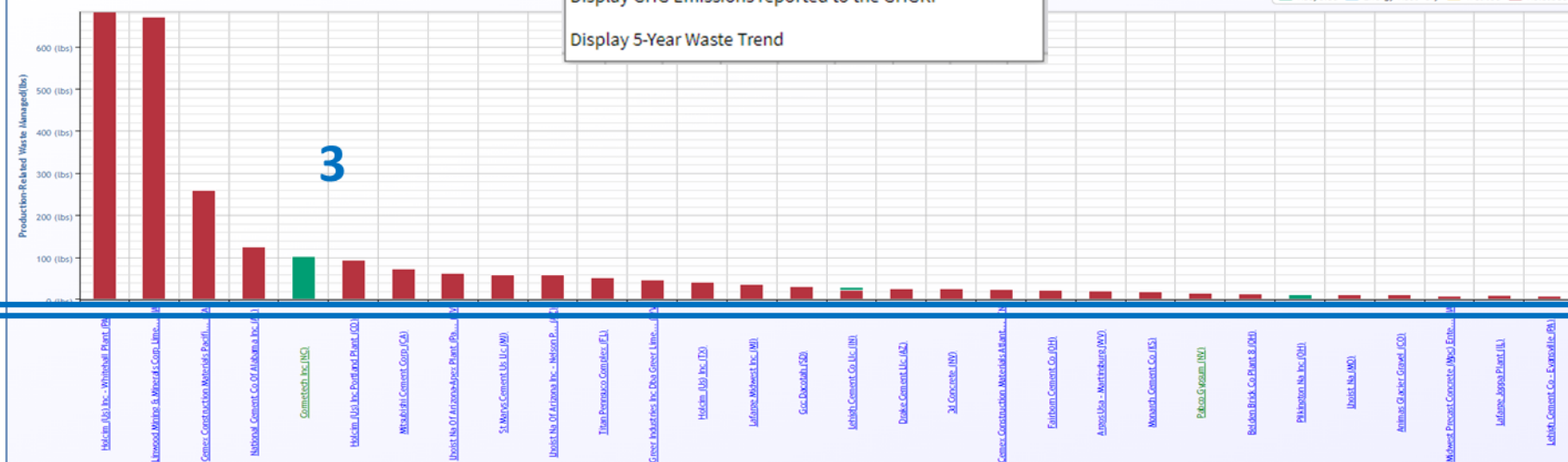
Display GHG Emissions reported to the GHGRP


### Display 5-Year Waste Trend

Facilities to Display: Top 30 ▼

**Use the slider bar to adjust the Y-axis (zoom in):**

Mercury Managed by  
Nonmetallic Mineral Product Facilities (2020, Top 30)



Click on **facility name** to view  for the selected chemical and year. **Green links** indicate the facility reported P2 activities for the selected chemical and year, **orange links** indicate the facility reported barriers to P2. Use **Chart Options** to add data to the chart (e.g., [waste trends](#), [GHG emissions](#)).

1. Navigate to the Facility comparison report from the facility-individual chemical report.
2. Change display options on the facility comparison waste managed chart
3. Bars compare the methods used by top waste generating facilities to managed production related waste
4. Download options for chart
5. Links to facility-level P2 details report. Green links indicate source reduction was reported.

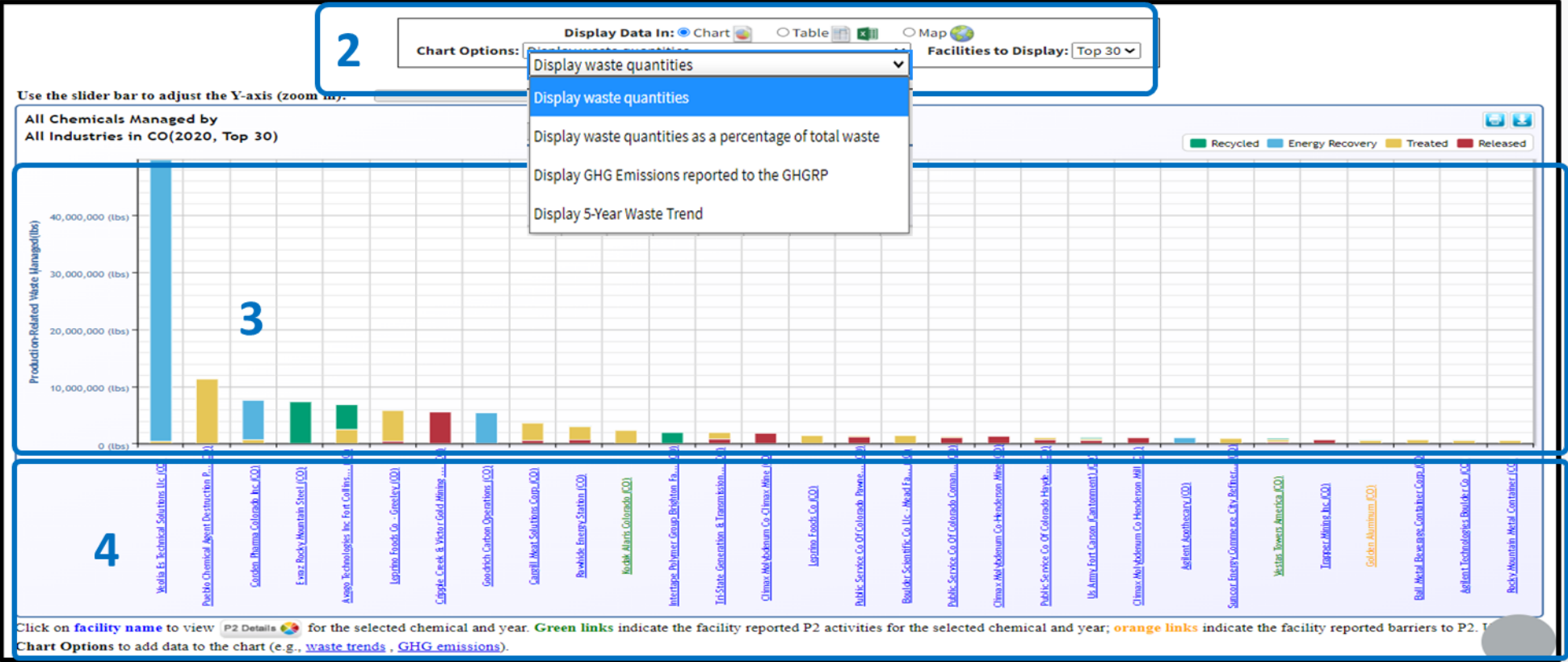
# P2 Search Results – Facility Comparison Report

Facility Comparison Report for TRI Facilities Meeting Selected Criteria:

State: CO

Year: 2020

215 facilities meet these criteria and are displayed below. 26 of them reported P2 in 2020. [Show P2 Activities](#).



1. Search parameters. All chemical waste managed in 2020 by facilities in Colorado
2. Display options for facility comparison chart or view results in table and map.
3. Comparison of production related waste managed by method for top facilities
4. Links to facility-level all chemicals managed P2 details report. Green links indicate source reduction was reported.



# P2 Facility-level Report for all Chemicals Managed

Facility ID: 8100WVSTST1TWER


Facility Name and Address: VESTAS TOWERS AMERICA

100 TOWERS ROAD  
PUEBLO, CO 81004

Parent Company: VESTAS TOWERS AMERICA INC

Industry: Fabricated Structural Metal Manufacturing (332312)

Reports:  
View TRI Facility profile report for this facility  
View TRI Form R submissions by this facility



*\*You can navigate within the map with your mouse.*

Production Related Waste Management for Selected Facility

Show P2 data for specific chemicals at this facility: Select a chemical

Management of TRI Chemicals at Facility VESTAS TOWERS AMERICA



Chart Options:  
• Display waste quantities only  
○ Display waste quantities as a percentage of total waste  
○ Display 5-Year Waste Trend  
○ Display 5-Year Waste Trend Normalized

Waste Management by Chemical - Select Year: 2020



Chart Options:  
• Display waste quantities only  
○ Display waste quantities as a percentage of total waste  
○ Display 5-Year Waste Trend  
○ Display 5-Year Waste Trend Normalized

Pollution Prevention Activities for Selected Facility

List all P2 activities for this facility

Chemical Name	P2 Report	5-Year Waste Trend	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
Ethylbenzene	P2 Details	14%	P2	No P2	P2	P2	P2	P2	P2	P2	P2	
Manganese	P2 Details	19%	No P2	P2	P2	P2	P2	P2	P2	No P2	No P2	No P2
Xylene (mixed isomers)	P2 Details	-30%	P2	P2	P2	P2	P2	P2	P2	P2	P2	
Zinc (fume or dust)	P2 Details	-38%	P2	P2	P2	P2	P2	P2	P2	P2	P2	
n-Butyl alcohol	P2 Details	17%	P2	P2	P2	P2	P2	P2	P2	P2	P2	

1. Facility identification details. Click view TRI Facility profile to view contact information.
2. Menu to select a specific chemical instead of viewing all chemicals
3. Trend in waste management for all chemicals
4. Waste management by chemicals during the selected year
5. Summary table of P2 reporting over time for all chemicals. Option to view a list of the P2 activities.

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# TRI Search

Navigate to TRI Search Facility Profile to view facility contact information and compliance history

## TRI Facility Report


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TRI Facility Report: VESTAS TOWERS AMERICA (8100WVSTST1TWER)

Facility Information

[FACILITY INFORMATION](#) | [CHEMICALS](#) | [POLLUTION PREVENTION \(P2\)](#) | [WASTE MANAGEMENT](#) | [RELEASES](#) | [WATER RELEASES](#) | [TRANSFERS](#) | [CLASSIC VIEW](#)

Facility Name	VESTAS TOWERS AMERICA	TRI ID	8100WVSTST1TWER
Address	100 TOWERS ROAD PUEBLO, CO, 81004	FRS ID	110039573896
Mailing Name	VESTAS TOWERS AMERICA	DUNS Number	003898206
Mailing Address	100 TOWERS RD PUEBLO, CO, 81004	Parent Company	VESTAS TOWERS AMERICA INC.
County	PUEBLO	Public Contact	GERARD DOUGLAS JR.
EPA Region	8	Phone	(719) 288-2209
Latitude	38.1685	Tribe	NA
Longitude	-104.6189	BIA Tribal Code	NA
NAIC(S)	332312 Fabricated Structural Metal Manufacturing	Industry Sector	332 Fabricated Metals
Last Form	2020		



\*You can navigate within the map with your mouse.

Information is for the most recent reporting year

1. Obtain public contact information
2. Check compliance information. Link to Enforcement Compliance History Online (ECHO) for more detailed information.

## Other Regulatory Data

In addition to TRI, this facility reports to the programs listed below. The table below reflects regulatory data contained within Envirofacts and may not reflect all other EPA regulatory data:

Statute/Program	Universe	Media	Identifier
Clean Air Act (CAA)	AIR MAJOR	Air	CO0000000810101151
Clean Water Act (CWA)	ICIS-NPDES NON-MAJOR	Water	COR900687
Clean Water Act (CWA)	STORM WATER INDUSTRIAL	Water	COR900687
Clean Water Act (CWA)	ICIS-NPDES MINOR	Water	COP900553
Resource Conservation and Recovery Act (RCRA)	LQG	Land	COR000221838

## Compliance Information

Compliance data below provided by ECHO.





# TRI P2 Resources

- Step-by-step guide to identify facilities or sectors that have reported source reduction activities
- 14-minute video on how to access TRI's P2 data using the P2 Search Tool
- See the helpful resources on the P2 Storytelling Challenge webpage

**TRI Pollution Prevention (P2) Search Tool**

### How to Find a Facility Implementing P2 Activities

This *How To* document describes one way to use the Toxics Release Inventory (TRI) Pollution Prevention (P2) Search Tool to identify facilities implementing source reduction activities. For this example, let's ask the question: "Which facilities in my community implemented source reduction activities during the latest two reporting years?"

- 1 GO TO** the TRI P2 Search Tool query page  
<https://www.epa.gov/enviro/facts/tri/p2.html>
- 2 ENTER** selection criteria
  - Keep the "All Industry Sectors" and "All Chemicals" default to view all industries and chemicals reported.
  - Select the latest two reporting years to view source reduction activities most recently implemented.
  - Specify location information (State, City, or ZIP Code).
- 3 CLICK** "Show P2 Activities" to see a list of facilities and their reported P2 activities
- 4 FILTER** results for source reduction only. Go to P2 Text Filters dropdown and select "Only show information about source reduction activities." By default, the results are filtered to facilities reporting information related to source reduction AND other environmental practices.
- 5 VIEW** a facility P2 Profile by clicking on the "P2 Details" button corresponding to the facility and chemical of interest.
- 6 EXPLORE** the facility's P2 Profile for a chemical. The P2 Profile displays a waste management trend graph for the chemical, pie charts to compare facility waste management to the rest of the industry sector, and all P2 information the facility reported for that chemical.
- 7 VIEW** the facility's P2 Profile for all chemicals. Go to the dropdown "Show P2 data for other chemicals at this facility." Select "Show all chemicals."
- 8 GET** facility public contact information. At the top of the P2 profile, click the "TRI Facility profile" link to view facility contact name, phone number, or email.

For tips on industry comparative analysis, see the handout on [How to Conduct an Industry Sector P2 Analysis](#).

**Learn more about the TRI Program at: [www.epa.gov/tri](http://www.epa.gov/tri)**

The screenshot shows the TRI P2 Search Tool interface. It includes a search criteria section with dropdowns for industry sectors and chemicals, and input fields for reporting years and location. A 'Show P2 Activities' button is visible. Below the search results, there are filters for 'P2 Text Filters' and a 'P2 Details' button. The interface also displays a 'P2 Profile' for a selected facility and chemical, featuring a waste management trend graph, pie charts, and a list of P2 activities. A 'TRI Facility profile' link is provided for contact information.





# More Information

- Contacts

- Tina Guthrie, [guthrie.christina@epa.gov](mailto:guthrie.christina@epa.gov)
- Sandra Gaona, [gaona.sandra@epa.gov](mailto:gaona.sandra@epa.gov)

- EPA Websites

- [www.epa.gov/tri](http://www.epa.gov/tri) (TRI homepage)
- [www.epa.gov/tri/p2](http://www.epa.gov/tri/p2) (TRI P2 webpage)
- [www.epa.gov/enviro/facts/tri/p2.html](http://www.epa.gov/enviro/facts/tri/p2.html) (TRI P2 Search Tool)
- [www.epa.gov/toxics-release-inventory-tri-program/pollution-prevention-works-storytelling-challenge-students](http://www.epa.gov/toxics-release-inventory-tri-program/pollution-prevention-works-storytelling-challenge-students) (P2 Storytelling Challenge webpage)

