



Understanding EPA's Toxics Release Inventory Data

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M-E1

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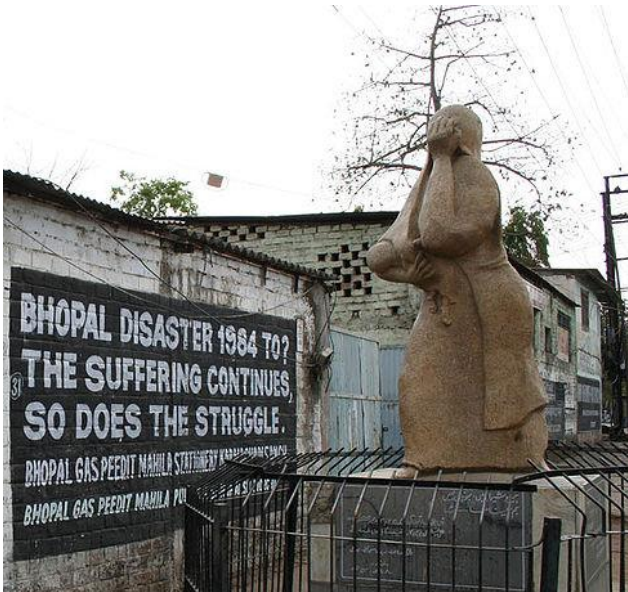
**26th California Unified Program
Annual Training Conference
February 26-29, 2024**



Presentation Overview

- How TRI can help you
- Background and History
- Using TRI to understand facility operations
- Tools and Resources
- Which Facilities Report to TRI
- Case studies and examples

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 accidentally released from a facility. Thousands died.
- **Institute, West Virginia** August 1985
 - Chemical release at a similar facility in the U.S.
- Increased concern in the U.S. about chemical accident preparedness and availability of information on chemicals used in industrial facilities
- In 1986, **Emergency Planning and Community Right-to-Know Act (EPCRA)**. Section 313 established the Toxics Release Inventory.

What is TRI?

- TRI is a public database of the quantities of toxic chemicals that are released and managed as waste in the U.S. each year. TRI includes information on:



Releases



Waste transfers



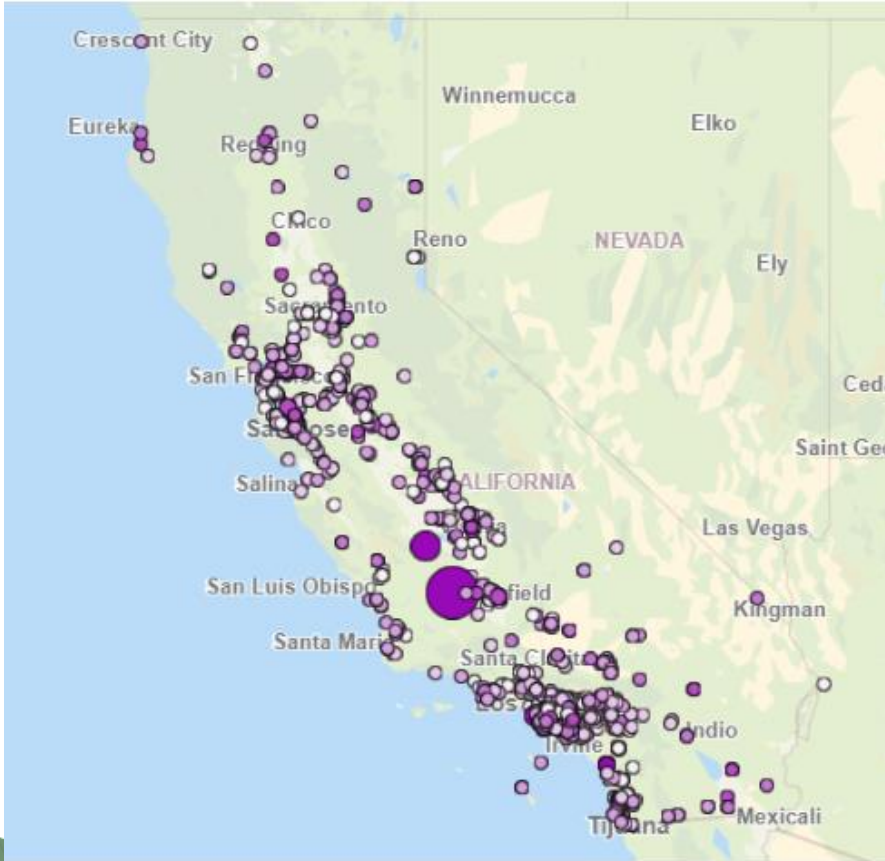
Recycling & Treatment



Pollution prevention

- TRI is chemical-specific

TRI Reporting

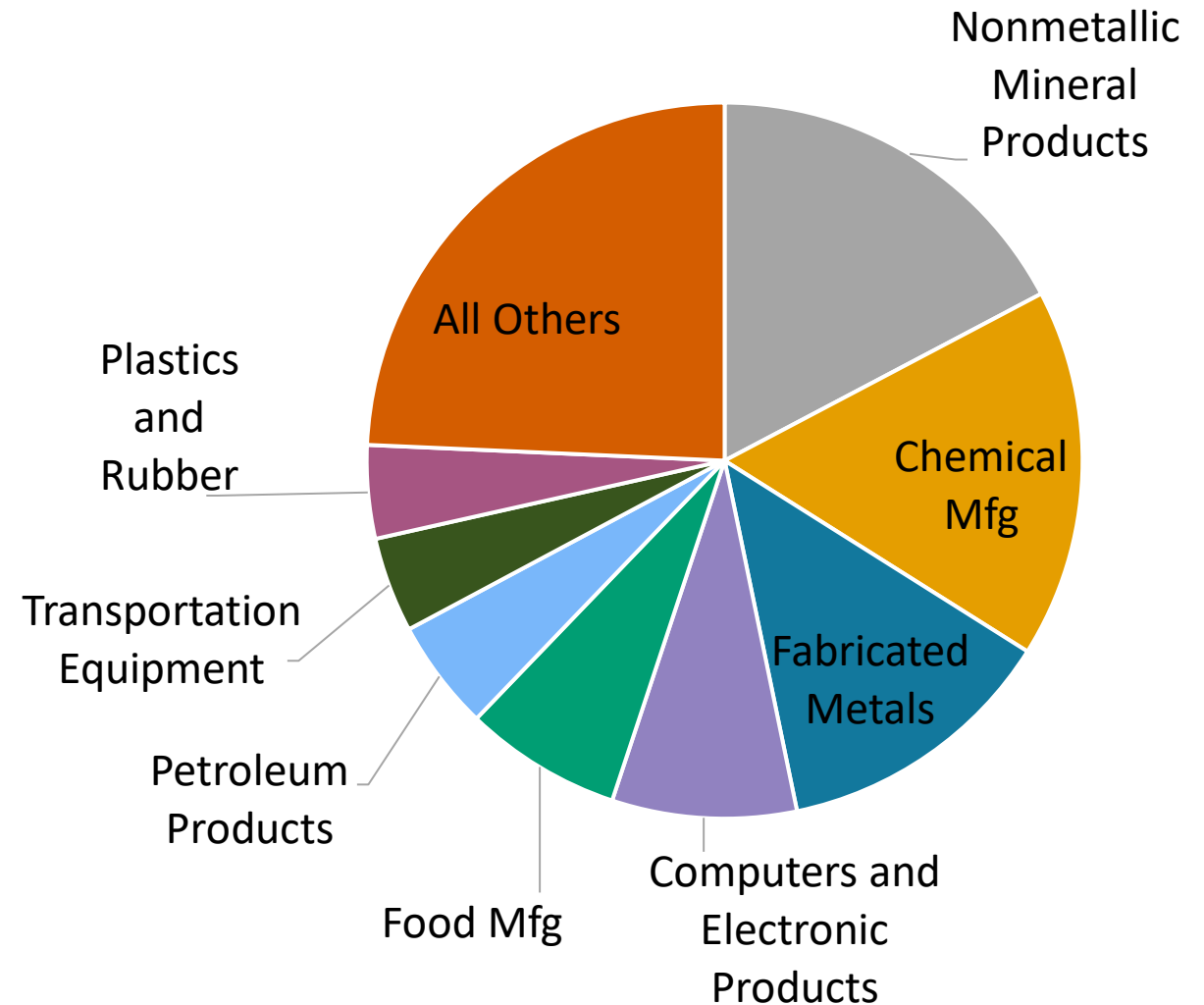


- TRI includes data from ~20,000 facilities and covers more than 800 toxic chemicals and chemical categories
 - >1,000 facilities in California
- TRI forms must be submitted by July 1st each year
 - July 1, 2024 deadline for January 1 - December 31, 2023 activities
 - Preliminary data published July/August

California Quick Facts

- 1,000+ facilities, 180+ chemicals
- Top sectors for releases and waste:
 - Petroleum Products (refineries)
 - Hazardous Waste (TSDFs)
 - Chemical Manufacturing
 - Food Manufacturing
 - Primary Metals

California Facilities by Sector



TRI Chemicals and Chemical Categories

- TRI is *chemical-specific*
- Current list contains over 800 individual chemicals and chemical categories. Listed chemicals include:
 - **Individual chemicals**
 - **Chemical categories (metals, dioxins, PACs, others)**
 - **PFAS**
- Section 313 chemical list and more information available at:

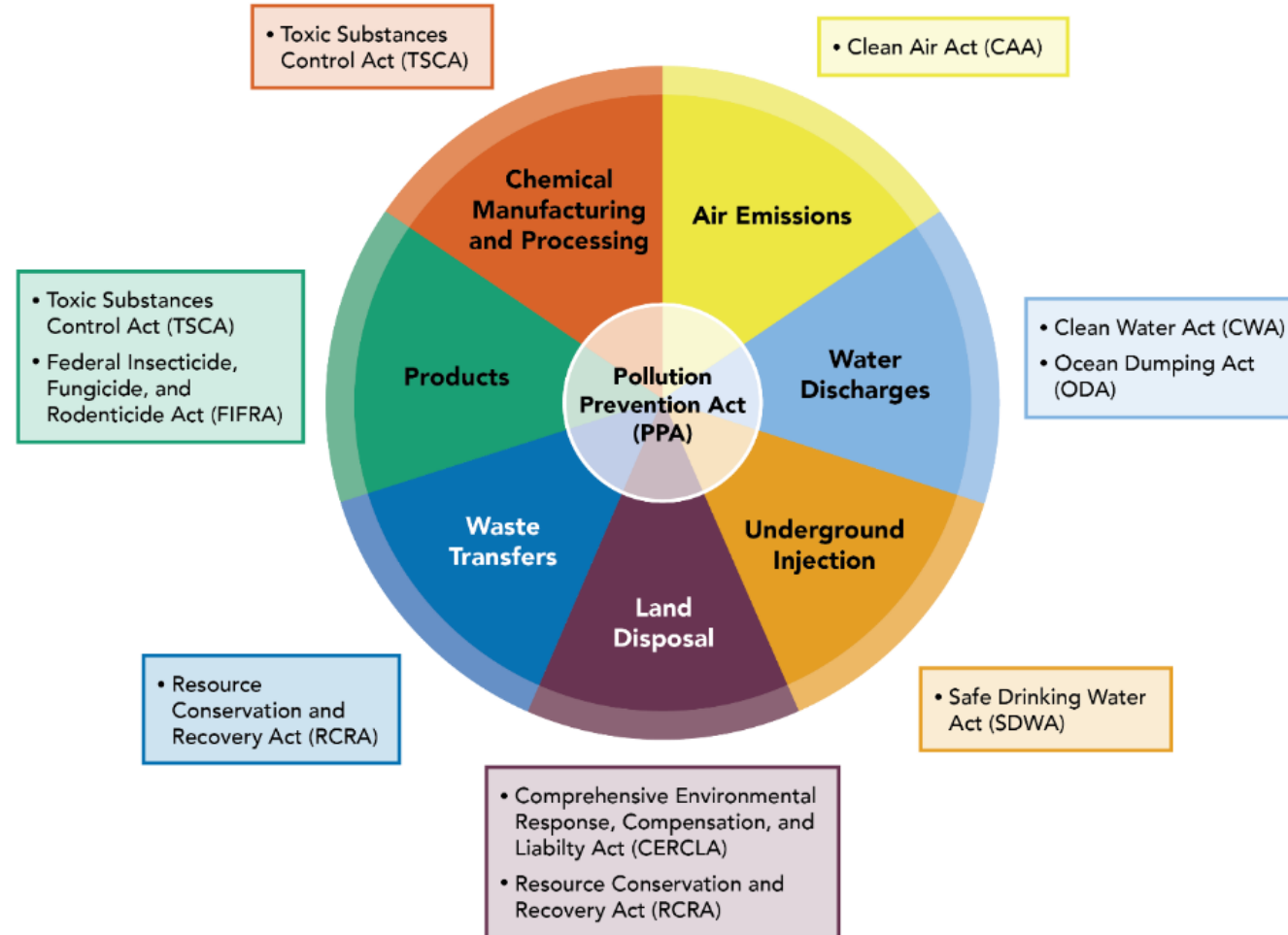
<https://www.epa.gov/toxics-release-inventory-tri-program/tri-listed-chemicals>

Why is TRI relevant to my work?

- TRI data provide information about facility activities
 - TRI provides data on facility operations and chemicals handled
- TRI data can be used for targeting
- Find sources of pollution



How does TRI fit in to EPA programs?



Best Practices for Information Sharing

- Use TRI data in targeting, enforcement
- TRI and other enforcement are related. Goes Both ways
- Use EPA resources!
 - [RITA](#)
 - RCRA Inspection Targeting Assistant: connects TRI data to RCRA Handler IDs via FRS ID (parent ID used in ECHO)
 - ECHO
 - List of lists: combines EPCRA, CERCLA, CAA 112(r)
 - <https://www.epa.gov/epcra/consolidated-list-lists>

Enforcement Targeting

- TRI data available in certain EPA enforcement tools
- Uses:
 - ID facilities
 - Target chemicals, sectors
 - Target facilities shipping waste
 - Facilities with EPCRA violations
 - Contact information

Penalty Amount Collected: \$157,800

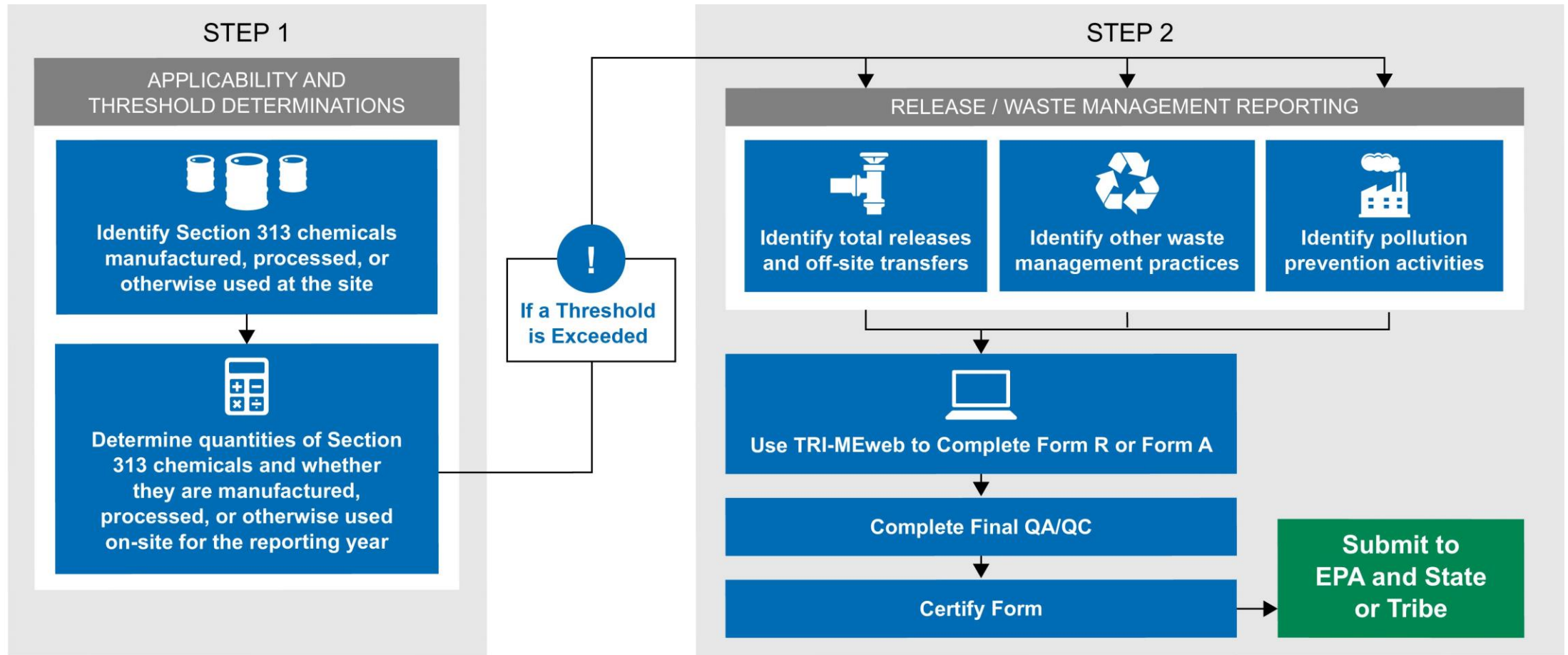
Case Summary

This is a Consent Agreement and Final Order (CA/FO) negotiated between the United States Env (Valero). This CA/FO sets out the terms for resolution of the Resource Conservation and Recover administrative civil penalty actions against Valero for violations discovered during routine comp civil administrative penalty of \$157,800 to settle the matter.

Laws and Sections

Law	Sections	Programs
RCRA	3002, 3004, 3007	Hazardous Waste Treatment Storage and Disposal Standards, Record keeping Inspection Information Request, Standards Applicable to Generators of Hazardous Waste
EPCRA	313	Toxic Chemical Release Reporting (TRI)

TRI Reporting – 2 Part Process



The TRI Data – Key points

- TRI release data is independent of compliance with other laws
- Data is limited to certain facilities and certain chemicals
- Reporting zero releases is possible
 - Reporting is triggered based on what is handled, not what's released



What data are reported?

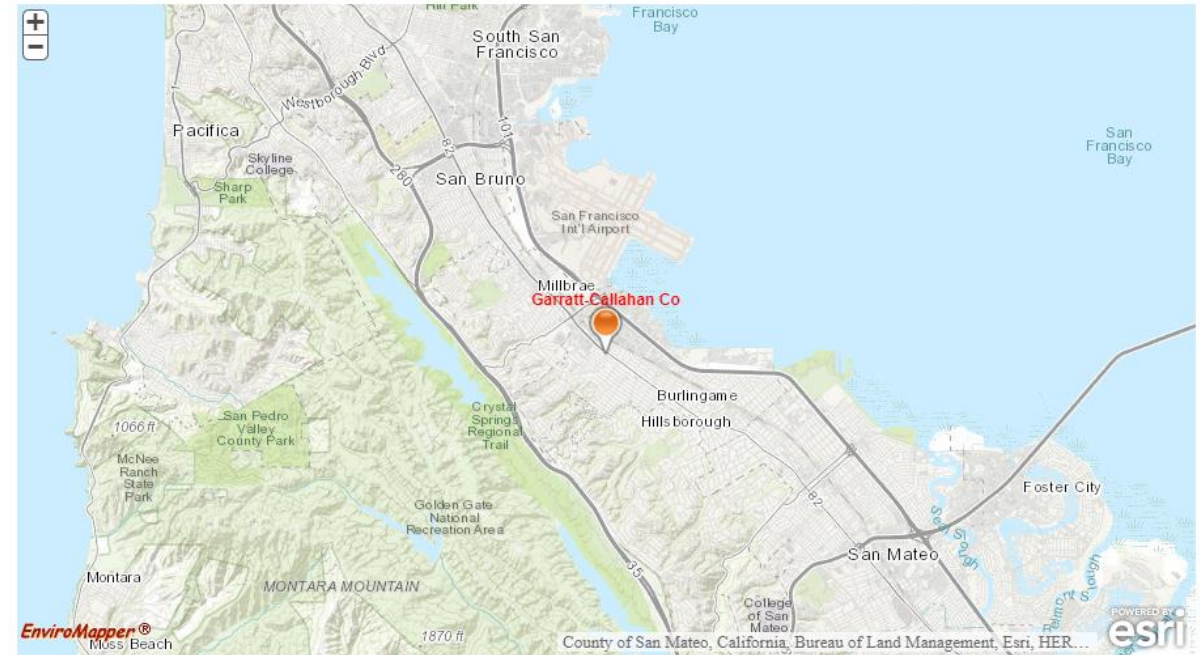


Facility Information

- Facility name, address, etc.
- Parent Company

- Public Contact
- Sector

Facility Name	GARRATT-CALLAHAN CO BURLINGAME	TRI ID	94010SCHLZ50ING
Address	50 INGOLD RD BURLINGAME, CA, 94010	FRS ID	110000831832
Mailing Name	GARRATT-CALLAHAN CO BURLINGAME	DUNS Number	009118340
Mailing Address	50 INGOLD RD BURLINGAME, CA, 94010	Parent Company	GARRATT-CALLAHAN CO
County	SAN MATEO	Public Contact	DAVE LEWIS
EPA Region	9	Phone	(650) 697-5811
Latitude	37.59524	Tribe	NA
Longitude	-122.37792	BIA Tribal Code	NA
NAIC(S)	325998 All Other Miscellaneous Chemical Product and Preparation Manufacturing	Industry Sector	325 Chemicals
Last Form	2022		



*You can navigate within the map with your mouse.

Form R Content (Chemical-specific)

- Chemical use and storage
- On-site releases of TRI chemicals to **Air, Water, Land**
 - **Including specific land disposal type**
- On-site waste management: **Treatment, Recycling, Energy Recovery**
- Transfers of chemical waste to off-site locations

Uses of the Chemical at the Facility

Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

<u>Produce</u> : YES	<u>Import</u> : NO	<u>On-Site Use/Processing</u> : NO
<u>Sale/Distribution</u> : NO	<u>Byproduct</u> : YES	<u>Impurity</u> : NO

3.3 Otherwise Use the Toxic Chemical:

<u>Chemical Processing Aid</u> :	NO
<u>Manufacturing Aid</u> :	NO
<u>Ancillary or Other Use</u> :	YES

Sub-Uses:

Z306

Waste treatment

3.2 Process the Toxic Chemical:

<u>Reactant</u> :	NO
<u>Formulation Component</u> :	NO
<u>Article Component</u> :	NO
<u>Repackaging</u> :	NO
<u>Impurity</u> :	NO
<u>Recycling</u> :	NO

Maximum On-Site Amount (Section 4)

WEIGHT RANGE IN POUNDS		
Range Code	From	To
01	0	99
02	100	999
03	1,000	9,999
04	10,000	99,999
05	100,000	999,999
06	1,000,000	9,999,999
07	10,000,000	49,999,999
08	50,000,000	99,999,999
09	100,000,000	499,999,999
10	500,000,000	999,999,999
11	1 billion	More than 1 billion

- Range codes indicating the maximum quantity on-site during the reporting year
- Maximum total (non-exempt) amount present at one time during reporting year
- **Based on amount in storage, process, and wastes**
- **Maximum amount on site may differ from the Tier II (HMBP)-reported maximum amount on site value**
 - *HMBP is usually by mixtures, Form R is chemical-specific*
 - *Form R includes all forms of the chemical on site (raw materials, products, wastes)*

Air and Water Releases

- Facilities use best available information
 - Monitoring **not** required
 - Facilities report stack and fugitive air emissions, surface water discharges, and transfers to POTWs

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 [Fugitive or Non-Point Air Emissions](#)

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	0	Pounds	E1 - Emission Factor, Published

5.2 [Stack or Point Air Emissions](#)

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	47	Pounds	O - Other Approaches

5.3 [Discharges to Receiving Streams or Water Bodies](#)

NA	STREAM/WATER BODY NAME	REACH Code	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE	% FROM STORMWATER
NO	TEMESCAL WASH	18070203000081	0	Pounds	O - Other Approaches	100



Basis of Estimate Codes

- Continuous monitoring (M₁)
- Periodic or random monitoring (M₂)
- Mass balance calculation (C)
- Published emissions factors (E₁)
- Site-specific emissions factors (E₂)
- Engineering calculations (O)
 - *Everything NOT M₁, M₂, C, E₁ or E₂ above, such as:*
 - *Best engineering judgment*
 - *Estimated removal efficiencies*
 - *Non-chemical-specific and non-published emission factors*

5.2 [Stack or Point Air Emissions](#)

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	13	Pounds	E1 - Emission Factor, Published

5.3 [Discharges to Receiving Streams or Water Bodies](#)

NA	STREAM/WATER BODY NAME	REACH Code	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	MOBILE RIVER		0	Pounds	M2 - Monitoring, Periodic/Random

Disposal to Land On-Site

- Includes releases to:
 - Landfills (RCRA C and other)
 - Surface Impoundments (RCRA C and other)
 - Land Treatment/Application Farming
 - **Other land disposal**
- Underground injection

Transfers to POTWs

- Localities can trace source of contaminants
- Review facility wastewater permit

Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations

6.1 [Discharges to Publicly Owned Treatment Works \(POTWs\)](#)

1 - <u>NAME</u> : TULARE CITY WASTEWATER PLANT	<u>ADDRESS</u> : 1875 SOUTH WEST STREET
<u>CITY</u> : TULARE	<u>STATE</u> : CA
<u>COUNTY</u> : TULARE	<u>ZIP CODE</u> : 932749488

<u>POTW AMOUNT SEQUENCE</u>	<u>TOTAL TRANSFERS (per year)</u>	<u>UNIT OF MEASURE</u>	<u>BASIS OF ESTIMATE</u>	<u>WASTE MANAGEMENT TYPE</u>
1	509420	Pounds	C - Mass Balance Calculations	P30 - Discharged to Water Stream

Other Off-site Transfers

- Transfers to other off-site locations (Section 6.2)
 - Includes name, address, and RCRA ID of the receiving facility
 - Codes identify activity (waste treatment, disposal, recycling, and energy recovery)
- Facilities may refer to RCRA records



On-Site Waste Management



Waste Treatment



Energy Recovery



Recycling Methods



Waste Management Data

Section 8. [Source Reduction and Recycling Activities](#)

SECTION	TYPE OF QUANTITY	UNITS	PRIOR YEAR	CURRENT REPORTING YEAR	FOLLOWING YEAR	SECOND FOLLOWING YEAR
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	Pounds	36000	24000	24000	24000
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases		NA	NA	NA	NA
8.2	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
8.3	Quantity Used for Energy Recovery Offsite		NA	NA	NA	NA
8.4	Quantity Recycled Onsite		NA	NA	NA	NA
8.5	Quantity Recycled Offsite		NA	NA	NA	NA
8.6	Quantity Treated Onsite	Pounds	170000	209958	209958	209958
8.7	Quantity Treated Offsite		NA	NA	NA	NA

Waste Treatment Methods and Efficiency

- Facilities report each waste treatment method that each waste stream containing the chemical undergoes
 - Included even if method has no effect on the chemical
 - Efficiency of the waste treatment methods at eliminating the chemical from the waste stream
 - Includes destruction or physical removal
- Quantity treated on-site (**destruction only**)

Treatment Methods Example

Section 7A. On-Site Waste Treatment Methods and Efficiency

7A.1a. Waste Stream: GASEOUS

7A.1b.	<u>WASTE TREATMENT METHOD(S) SEQUENCE</u>
1	A07 - OTHER AIR EMISSION TREATMENT

7A.1d. Waste Treatment Efficiency Estimate: Equal to or greater than 0% but less than or equal to 50%

7A.2a. Waste Stream: GASEOUS

7A.2b.	<u>WASTE TREATMENT METHOD(S) SEQUENCE</u>
1	A05 - ELECTROSTATIC PRECIPITATOR
2	A03 - SCRUBBER
3	A07 - OTHER AIR EMISSION TREATMENT

7A.2d. Waste Treatment Efficiency Estimate: Greater than 95% but less than or equal to 99%

Air Emissions Treatment

- A01 Flare
- A02 Condenser
- A03 Scrubber
- A04 Absorber
- A05 Electrostatic Precipitator
- A06 Mechanical Separation
- A07 Other Air Emission Treatment

Chemical Treatment

- H040 Incineration--thermal destruction other than use as a fuel
- H071 Chemical reduction with or without precipitation
- H073 Cyanide destruction with or without precipitation
- H075 Chemical oxidation
- H076 Wet air oxidation
- H077 Other chemical precipitation with or without pre-treatment

Biological Treatment

- H081 Biological treatment with or without precipitation

Physical Treatment

- H082 Adsorption
- H083 Air or steam stripping
- H101 Sludge treatment and/or dewatering
- H103 Absorption
- H111 Stabilization or chemical fixation prior to disposal
- H112 Macro-encapsulation prior to disposal
- H121 Neutralization
- H122 Evaporation
- H123 Settling or clarification
- H124 Phase separation
- H129 Other treatment

Energy Recovery

- Facility reports quantity and process
- Chemical must be combustible and have a significant heating value (>5,000 BTU/lb.)
- Combustion unit is integrated into an energy recovery system (e.g., industrial furnace, industrial kiln, or boiler)

Section 7B. On-Site Energy Recovery Processes

<u>ON SITE ENERGY RECOVERY PROCESSES</u>
U02 - INDUSTRIAL FURNACE

Energy Recovery Codes

U01 Industrial Kiln

U02 Industrial Furnace

U03 Industrial Boiler

Recycling

- Facility reports quantity and methods used
 - **Does not count direct reuse or energy recovery**

Section 7C. On-Site Recycling Processes

<u>ON SITE RECYCLING PROCESSES</u>
H10 - Metal recovery (by retorting, smelting, or chemical or physical extraction)

On-Site Recycling Codes

H10 Metal recovery (by retorting, smelting, or chemical or physical extraction) – Metals and Metal Category Compounds only

H20 Solvent recovery (including distillation, evaporation, fractionation or extraction)

H39 Other recovery or reclamation for reuse (including acid regeneration or other chemical reaction process)

Non-production related waste

- Quantity of the chemical released into the environment or transferred off-site as a result of:
 - Remediation
 - Catastrophic events (e.g., earthquake, hurricane, fire, floods)
 - Other one-time events not associated with production processes (e.g., pipe rupture due to unexpected weather)
- Sometimes includes waste managed by recycling, treatment, energy recovery

Source Reduction Activities

- Material Substitutions and Modifications
- Inventory and Material Management
- Operating Practices and Training
- Process and Equipment Modifications
- Product Modifications

<u>SOURCE REDUCTION ACTIVITIES</u>	<u>METHOD 1</u>	<u>METHOD 2</u>	<u>METHOD 3</u>	<u>ESTIMATED ANNUAL REDUCTION</u>
S11 - REFORMULATED OR DEVELOPED NEW PRODUCT LINE	T06 - EMPLOYEE RECOMMENDATION (UNDER A FORMAL COMPANY PROGRAM)			R2 - greater than or equal to 50%, but less than 100%



Who reports?



Which facilities must report to TRI?

- Facility must be in a TRI-covered industry sector, including:



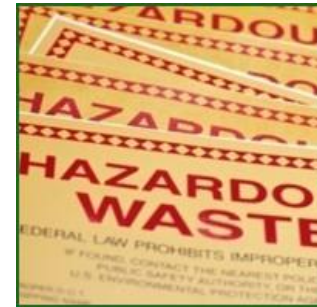
Manufacturing



Coal/Oil Electricity
Generation;
Natural Gas
Processing



Certain Mining
Facilities



Hazardous
Waste
Management



Federal
Facilities

Additional Requirements

- Facility must have the equivalent of at least 10 full-time employees.
- Facility must manufacture, process or use more than a certain amount of a TRI-listed toxic chemical per year (usually 25,000/10,000 lb).

Chemical Thresholds

A facility meeting the first two applicability criteria for reporting must file a TRI Report for TRI-listed chemical* if the facility:

THRESHOLDS

Manufactured (including imported)

more than 25,000 pounds of the chemical in the reporting year

OR

Processed

more than 25,000 pounds of the chemical in the reporting year

OR

Otherwise Used

more than 10,000 pounds of the chemical in the reporting year

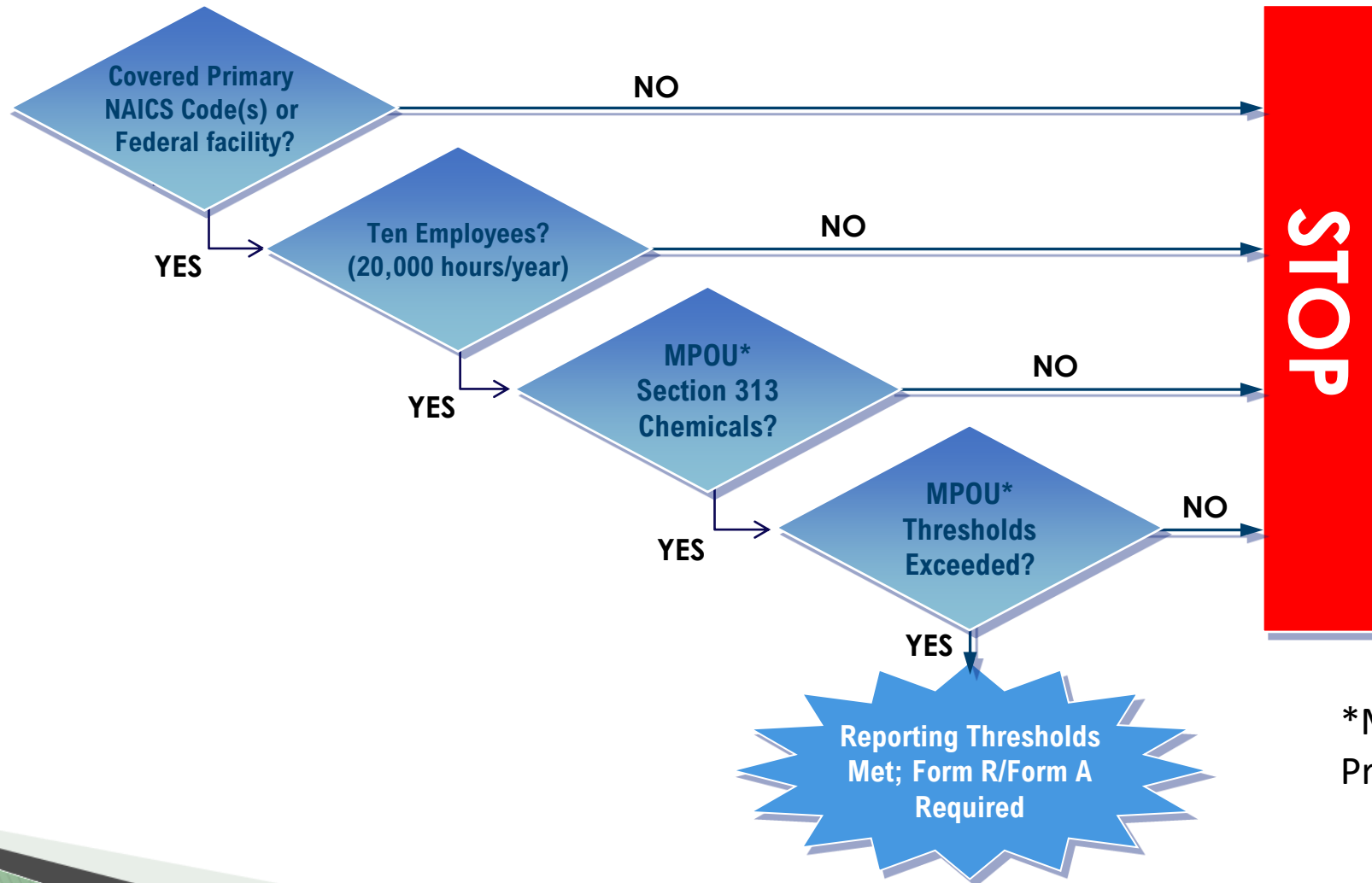
*These thresholds apply to most of the 800+ TRI-listed chemicals but do not apply to the Chemicals of Special Concern

Exemptions

- TRI regulations **provide exemptions** for specific scenarios.
- Exemptions allow for a facility to **not consider quantities** of toxic chemicals in certain circumstances

- **Articles**
- *De Minimis*
- Coal Extraction
- Intake Air and Water
- Laboratory Activities
- Janitorial or Facility Grounds Maintenance
- Metal Mining Overburden
- Motor Vehicle Maintenance
- Owners of Leased Property
- Personal Use
- Structural Component of the Facility

TRI Reporting Requirements Summary



*MPOU = Manufacture, Process, or Otherwise Use

TRI Guide-ME

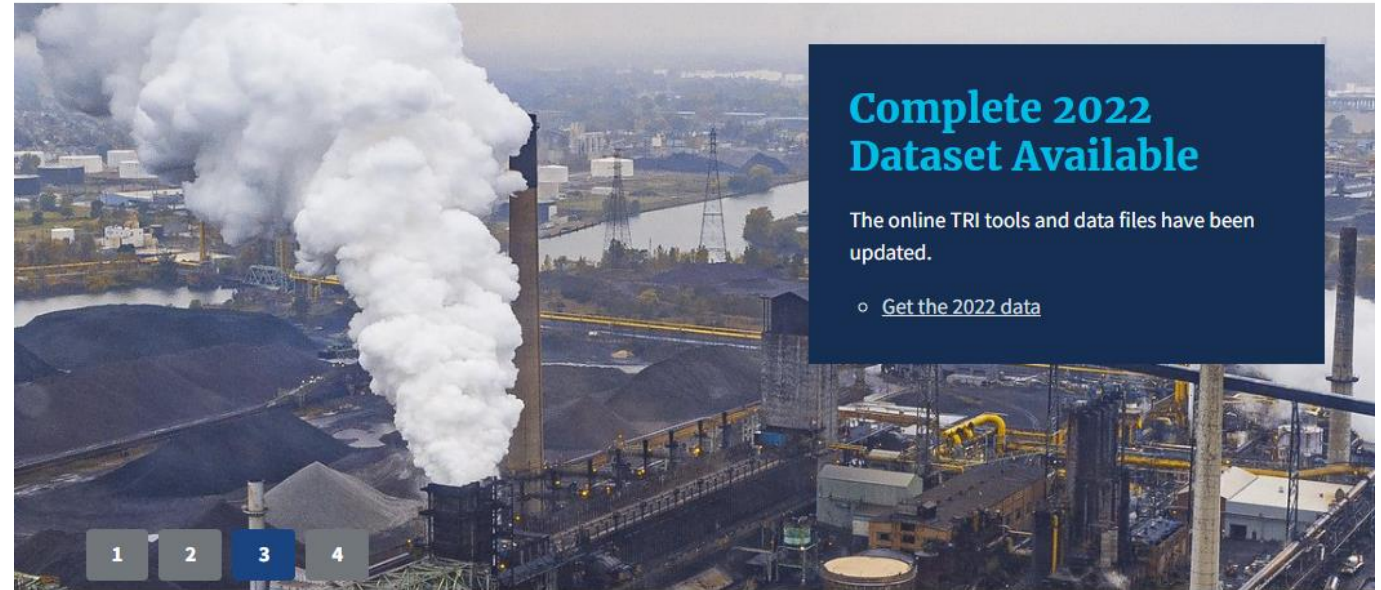
- Review TRI Reporting Forms and Instructions
- Browse guidance materials
- Updated chemical list
- Browse questions and answers
- Available at: <http://epa.gov/tri/guideme>

Find and Use TRI data

TRI Homepage

- www.epa.gov/tri
- TRI website for reporting materials and guidance, links to other pages

Toxics Release Inventory (TRI) Program



What is the TRI? The Toxics Release Inventory (TRI) is a resource for learning about toxic chemical releases and pollution prevention activities reported by industrial and federal facilities. TRI data support informed decision-making by communities, government agencies, companies, and others. Section 313 of the [Emergency Planning and Community Right-to-Know Act \(EPCRA\)](#) created the TRI.

[TRI Site Map](#) | [El Inventario de Emisiones Tóxicas](#)

Get TRI Email & Text Updates

Enter your email
sign up

What is the TRI?



Report TRI Data

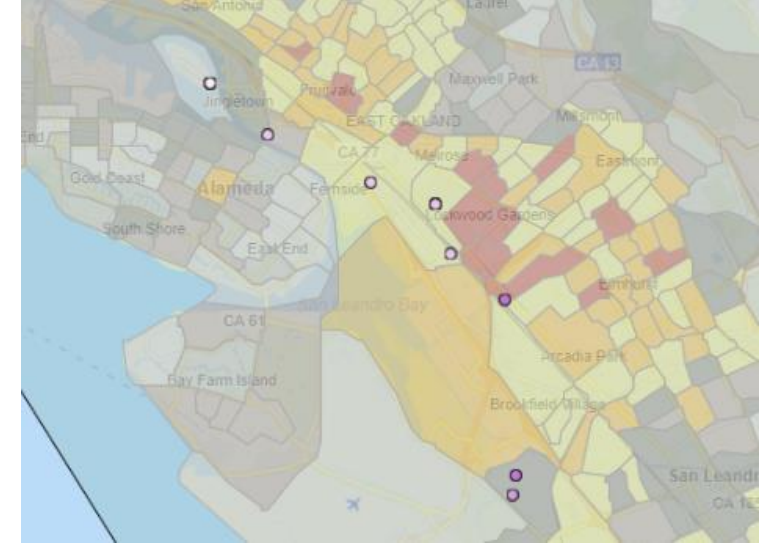


Access & Use Data



TRI Toxics Tracker

- <https://edap.epa.gov/public/extensions/TRIToxicsTracker/TRIToxicsTracker.html>
- Good for finding facilities of interest
- Search by location, chemicals reported, sector, etc.



Releases and Demographic Index

# Facilities	# Reporting Years	# Chemicals Reported	# Reporting Forms
30,112	10 (2013 - 2022)	616	809,956

Use this page to:

- Select your search parameters. Selections will be summarized in the green bar above.
- View search results by clicking a topic (e.g., "releases") in the left menu. You can filter within a topic by using the tabs at the top of each page.

Start a search:

Geography Sector Chemical TRI Facility Name or ID

Filters and Options

Choose a geography type:

- Street address
- State, County, City, and/or ZIP Code
- Metro Area
- Watershed
- Tribal Land
- EPA Region

Search by address, place name, city, ZIP Code...

OR

Use Current Location

Search Radius (Miles): 10



Envirofacts

- <https://www.epa.gov/enviro/tri-search>
- Best tool for the details from a single form
- Displays all public data elements

PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)

DOCUMENT CONTROL NUMBER: 1321219817285

Facility Registry System ID:

Section 1. Reporting Year

Reporting Year: 2021

Section 2. Trade Secret Information

2.1 Trade Secret: NO

2.2 Sanitized Copy: Unsanitized

ECHO – Enforcement and Compliance History Online

- <https://echo.epa.gov/>
- Connects all major EPA programs, some state data, and enforcement
- Start here if you have a site in mind

Facility Name	Mapped	Street Address	City	State	FRS ID	Reports	Count of EJ Indexes Above 80th Percentile (US - Block Group)	Compliance Monitoring Activity (5 years)	Significant Violations	Quarters with Noncompliance (3 years)	Formal Enforcement Actions (5 years)
A G LAYNE INCORPORATED	📍	4578 BRAZIL ST.	LOS ANGELES	CA	110000473657	C A	6	0	No	0	0
AAA GLASS CORP	📍	2800 EAST 12TH STREET	LOS ANGELES	CA	110002889599	C	11	0	No	0	0
ABBOTT ELECTRONICS INCORPORATED	📍	2727 SOUTH LA CIENEGA BOULEVARD	LOS ANGELES	CA	110001132845	C I	10	0	No	0	0
ACE PLATING CO INC	📍	719 S. TOWNE AVE.	LOS ANGELES	CA	110000473336	C	9	0	No	0	0



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Compliance Monitoring History

Last 5 Years



Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
CAA	100000052426	ICIS	Information Request	Formal	EPA	05/08/2019	
CAA	3601127783	ICIS	Inspection/Evaluation	112(r)(7) Inspection	EPA	07/24/2019	
EPCRA	3601127783	ICIS	Inspection/Evaluation	Evaluation	EPA	07/24/2019	

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed
CAA	ICIS	112[R][7]	RMP/100000052471	Administrative - Formal	09-2023-3515	EPA	Anheuser-Busch, LLC (NC)	06/02/2023	1	06/02/2023	\$174,813
CAA	ICIS	112[R][7]	RMP/100000052471	Administrative - Formal	HQ-2023-5011	EPA	Anheuser-Busch LLC (Lead)	06/02/2023	1	06/02/2023	\$0
CAA	ICIS	112[R][7]	RMP/100000052426	Administrative - Formal	09-2021-3502	EPA	Anheuser-Busch AOC	12/07/2020	1	12/07/2020	\$0



ECHO

Facility/System Characteristics

System ↑	Statute ↓	Identifier ↑	Universe ↑	Status ↑	Areas ↑	Permit Expiration Date ↑
FRS		110070790129				
ICIS		3600210046				
ICIS		3400050613				
ICIS-Air	CAA	CABAA00006001A0062	Major Emissions	Operating	CAAMACT, CAASIP, CAATVP	
CEDRI	CAA	CEDRI10079299				
CEDRI	CAA	CEDRI10079359				
EIS	CAA	382111				
ICIS-NPDES	CWA	CAZ180704	Non-Major: General Permit Covered Facility	Expired	Industrial Stormwater	06/30/2020
TRI	EP313	94621MRCNB7825S	Toxics Release Inventory	Last Reported for 2022		
RCRAInfo	RCRA	CAD021774559	LQG	Active (H)		

ECHO

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site ⓘ

[Air Pollutant Report](#)

[TRI Pollution Prevention Report](#)



TRI Facility ID ⓘ	Year ⓘ	Air Emissions ⓘ	Surface Water Discharges ⓘ	Off-Site Transfers to POTWs ⓘ	Underground Injections ⓘ	Disposal to Land ⓘ	Total On-Site Releases ⓘ	Total Off-Site Transfers ⓘ
94533NHSRB3101B	2022	13,033	0	17,987	--	--	13,033	17,991
94533NHSRB3101B	2021	10,606	0	14,257	--	--	10,606	14,265
94533NHSRB3101B	2020	20,861	0	13,308	--	--	20,861	13,316
94533NHSRB3101B	2019	19,695	0	12,235	--	--	19,695	12,239
94533NHSRB3101B	2018	5,875	0	11,016	--	--	5,875	11,018
94533NHSRB3101B	2017	8,579	0	11,176	--	--	8,579	11,176
94533NHSRB3101B	2016	18,960	--	13,364	--	--	18,960	13,364
94533NHSRB3101B	2015	17,690	--	17,104	--	--	17,690	17,354
94533NHSRB3101B	2014	4,010	--	14,275	--	--	4,010	14,285
94533NHSRB3101B	2013	9,147	16	13,001	--	--	9,163	13,013

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year ⓘ

Chemical Name ⓘ	2022 ⓘ	2021 ⓘ	2020 ⓘ	2019 ⓘ	2018 ⓘ	2017 ⓘ	2016 ⓘ	2015 ⓘ	2014 ⓘ	2013 ⓘ
Ammonia	30,640	24,871	34,177	31,934	16,893	19,755	32,324	35,044	17,130	20,717
Hydrogen sulfide	384	--	--	--	--	--	--	--	1,165	1,459
Nitric acid	--	--	--	--	0	0	--	0	0	0

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CWA Discharge Monitoring Report (DMR) Pollutant Loadings ⓘ

[DMR and TRI Multi-Year Loading Report](#)



NPDES ID	Description
----------	-------------

No data records returned

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 11/4/2023)

Source ID	Waste Description	2021	2022	2023	2024
CAD080711252	Hazardous Waste	719	4,057	454	--
CAD080711252	Acute Hazardous Waste	0	0	0	--
CAD080711252	Pharmaceutical Hazardous Waste	0	0	0	--



Region 9 TRI Trainings for reporters

- Region 9 TRI Trainings for reporting facilities:
 - Basic and Advanced trainings
 - Dates TBA
- Contact abby.burton@erg.com or johnson.kendall@epa.gov for registration information



Questions?

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