



Using Toxics Release Inventory for EJ Grant Applications

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Why Grants?

- Generally, over 50% of EPA Budget is distributed as grants
- Grants are for the benefit of the public, it is work to support non-federal entity, such as governments and communities, to carry out a public purpose
- Grants are not for the benefit form the EPA
- Grants support your organization in protecting human health and the environment at the local level

Inflation Reduction Act

- Environmental and Climate Justice Program (ECJ Program),
 - created by the Inflation Reduction Act (IRA) under Clean Air Act (CAA) Section 138
 - funding for financial and technical assistance to carry out environmental and climate justice activities to benefit underserved and overburdened communities
- Congress appropriated \$2.8 billion for financial assistance
 - \$200 million for technical assistance
- EPA must award grants and technical assistance under the ECJ Program by September 30, 2026

Environmental and Climate Justice Funding

- [Environmental and Climate Justice Community Change Grants Program \(Community Change Grants\)](#)
- [Environmental Justice Thriving Communities Grantmaking \(EJ TCGM\) Program](#)
- [Environmental Justice Collaborative Problem-Solving \(EJCPS\) Cooperative Agreement Program](#)
- [Environmental Justice Government-to-Government \(EJG2G\) Program](#)

Environmental Justice Grants – Terms

Disproportionate Effects

Describes situations of concern where there **exists significantly higher and more adverse health and environmental effects** on minority populations, low-income populations or indigenous peoples.

Environmental Justice Grants – Terms

Fair Treatment

The principle that no group of people, including a racial, ethnic or a socioeconomic group, should bear a **disproportionate share of the negative environmental consequences from industrial, municipal and commercial operations or the execution of federal, state, local and tribal programs and policies**. In implementing its programs, EPA has expanded the concept of fair treatment to include not only consideration of how burdens are distributed across all populations, but the distribution of benefits as well.

Environmental Justice Grants – Terms

Overburdened Community

Minority, low-income, tribal, or indigenous populations or geographic locations in the United States that **potentially experience disproportionate environmental harms and risks. This disproportionality can be because of greater vulnerability to environmental hazards, lack of opportunity for public participation, or other factors.** Increased vulnerability may be attributable to an accumulation of negative or lack of positive environmental, health, economic, or social conditions within these populations or places. The term describes situations where **multiple factors, including both environmental and socio-economic stressors, may act cumulatively to affect health and the environment and contribute to persistent environmental health disparities.**

Describe Environmental/Human Health issues

- What: Environmental/human health concern you wish to address for project.
- Where: Identify location(s) of environmental/public health concern.
 - Where are sources of concern (drinking water, power plant, air quality, indoor air)?
 - Where are sources in relation to community, vulnerable populations?
- Who: Identify who is impacted by environmental/public health risks/impacts. Are there individuals who are vulnerable (socio-economic status, geography, gender, age, disability status, etc.).
 - How are individuals or community impacted? Is community **disproportionately**, adversely impacted, or vulnerable?
How will community benefit from this project?
- Why: Describe why it is important to address this issue? Why now?

TRI data to support your EJ Grant application

- Learn about toxic chemical releases by industrial and federal facilities
- Available at the by geography, industry type, and chemical
- Data is available for many years; you can see trends of conditions at the local level
- Target issues for community
- Identify existing conditions
- Describe disproportionate and adverse impacts

Four ways to access TRI data

- **TRI National Reports/Fact Sheets - TRI Explorer**
 - Overview of TRI data for a location, industry sector, or chemical. Ideal for beginning TRI users.
 - https://enviro.epa.gov/triexplorer/tri_factsheet_search.searchfactsheet
- **Toxics Tracker**
 - Access nationwide TRI data from the past 10 years and easily explore by geography, facility, industry, chemical, or specific data elements.
 - <https://edap.epa.gov/public/extensions/TRIToxicsTracker/TRIToxicsTracker.html>
- **EJScreen**
 - Environmental justice mapping and screening tool that provides EPA with a nationally consistent dataset and approach for combining environmental and demographic socioeconomic indicators.
 - <https://ejscreen.epa.gov/mapper/>
- **EnviroMapper**
 - A single point of access to select U.S. EPA environmental data.
 - <https://enviro.epa.gov/enviro/em4ef.home>

Find TRI Data

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

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](#)

What is the TRI?



- [Learn why the TRI was created and what chemicals and industry sectors it covers](#)

Report TRI Data



- [Resources for facilities to complete and submit TRI reporting forms](#)

Access & Use Data



- [TRI data, materials for specific audiences, and examples of TRI uses](#)

Get TRI Email & Text Updates

Enter your email

[sign up](#)

Find, Understand and Use TRI

[Watch webinar recordings](#) to learn more about TRI and data access tools.

Find TRI Data

Find out about particular facilities, chemicals, geographic areas, and industry sectors.

- [Select the best tool for getting the data you want](#)
- [Browse guides and tutorials for TRI tools](#)
- [Learn about the TRI data quality process](#)

What Do You Need to Know?

- [TRI for Communities](#)
- [TRI for Tribal Communities](#)
- [TRI for Researchers](#)
- [TRI for the Press](#)
- [TRI for Reporting Facilities](#)

TRI Explorer/Fact Sheets

TRI Explorer
You are here: EPA Home » TRI » TRI Explorer » Fact Sheets

Fact Sheets | Release Reports | Waste Transfer Reports | Waste Quantity Reports

Fact Sheets

Year of Data: 2021

Topic of Interest: Texas, Utah, Vermont, Virgin Islands, Virginia, Washington, West Virginia

Optional:
City: Select an Option
OR
County: Select an Option

Submit

Data Set
The default is Data Source: 2021 National Analysis Dataset (updated May 2023, released May 2023)
 Select 2021 National Analysis Dataset (released March 2023)
 Select 2020 National Analysis Dataset (released October 2021)

- Chemical-Individual
- Chemical Group
- Industry
- Region (EPA Regions)
- Metropolitan statistical area
- Watershed
- Zip Code
- On or near Tribal Land
- All United States and Puerto Rico
- Some Territories

Fact Sheets

The screenshot shows the EPA TRI Explorer website. At the top, the EPA logo and navigation links are visible. The main heading is 'Release Chemical Report'. Below this, there are several tabs: 'Fact Sheets', 'Release Reports', 'Waste Transfer Reports', and 'Waste Quantity Reports'. A red arrow points from the 'Fact Sheets' tab to the 'Release Reports' tab. The 'Release Reports' tab is active, showing a 'Release Chemical Report' page. The page includes a search bar, a 'Go To New Report' button, and several filter options: 'Year of Data' (2015), 'Geographic Location' (All of United States), 'Chemical' (All chemicals), 'Industry' (All Industries), and 'Data Set'. There are also checkboxes for 'Report columns to include', such as 'Total On-site Disposal or Other Releases' and 'Total Off-site Disposal or Other Releases'. On the right side, there are two sections: 'TRI Explorer Links' and 'TRI Links', each containing a list of links to various resources.

Fact sheets is the easiest way to get general information for chemicals, industry, or a geography

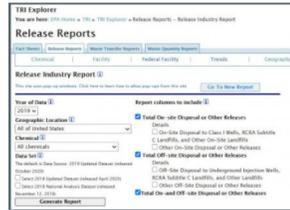
Fact Sheet – South Dakota, 2019

TRI Explorer

Description: Search by chemical, location, industry sector, or tribal land. Focus on chemical releases, waste transfers, or waste quantities.

Contents: Facility-reported data and additional contextual information

Output: Reports made up of sortable data tables (most include ability to drill down to a facility's individual reporting forms); spreadsheet-compatible .csv/.txt files, or results in PDF/Word versions



South Dakota ranks **52 out of 56** states/territories nationwide based on total releases per square mile (Rank 1 = highest releases)

Quick Facts for 2019

	South Dakota	United States
Number of TRI Facilities:	109	21,548
Total Production-Related Waste Managed:	19.3 million lbs	30.6 billion lbs
Total On-site and Off-site Disposal or Other Releases:	7.1 million lbs	3.4 billion lbs
Total On-site:	6.8 million lbs	2.9 billion lbs
• Air:	1.5 million lbs	600.4 million lbs
• Water:	3.0 million lbs	201.3 million lbs
• Land:	2.2 million lbs	2.1 billion lbs
Total Off-Site:	336.3 thousand lbs	456.8 million lbs

Fact Sheet – Utah, 2021

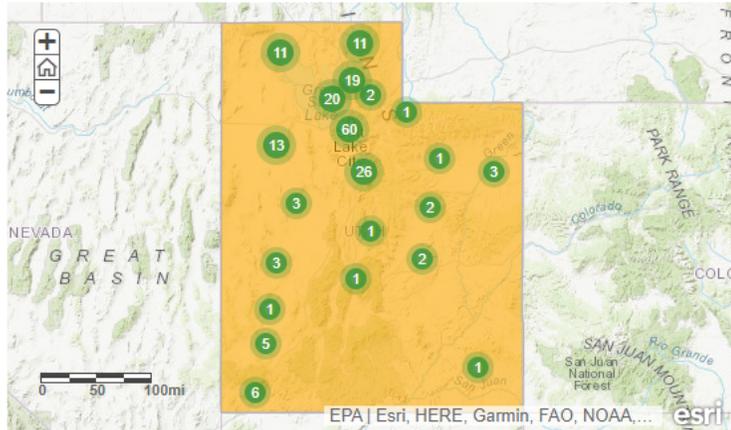
2021 TRI Factsheet: State – Utah

Data Source: 2021 National Analysis Dataset (updated May 2023, released May 2023)

- [Go To New Report](#)
- [Print View](#)
- [Español](#)
- [Classic View](#)

The [Toxics Release Inventory \(TRI\)](#) tracks the management of certain toxic chemicals that may pose a threat to human health and the environment. Certain industrial facilities in the U.S. must report annually how much of each chemical is recycled, combusted for energy recovery, treated for destruction, and disposed of or otherwise released on- and off-site. This information is collectively referred to as production-related waste managed.

Map of TRI Facilities in Utah



Utah ranks **5 out of 56** states/territories nationwide based on total releases per square mile (Rank 1 = highest releases)

Quick Facts for 2021

	Utah	United States
Number of TRI Facilities:	193	21,226
Total Production-Related Waste Managed:	489.1 million lbs	29.3 billion lbs
Total On-site and Off-site Disposal or Other Releases:	199.9 million lbs	3.3 billion lbs
Total On-site:	197.6 million lbs	2.8 billion lbs
• Air:	7.3 million lbs	572.3 million lbs
• Water:	99.7 thousand lbs	197.5 million lbs
• Land:	190.1 million lbs	2.1 billion lbs
Total Off-Site:	2.2 million lbs	431.1 million lbs

Fact Sheet – Zip code 84104, 2021

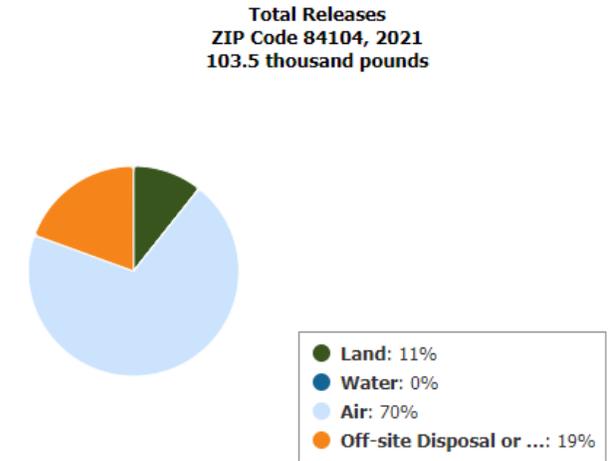
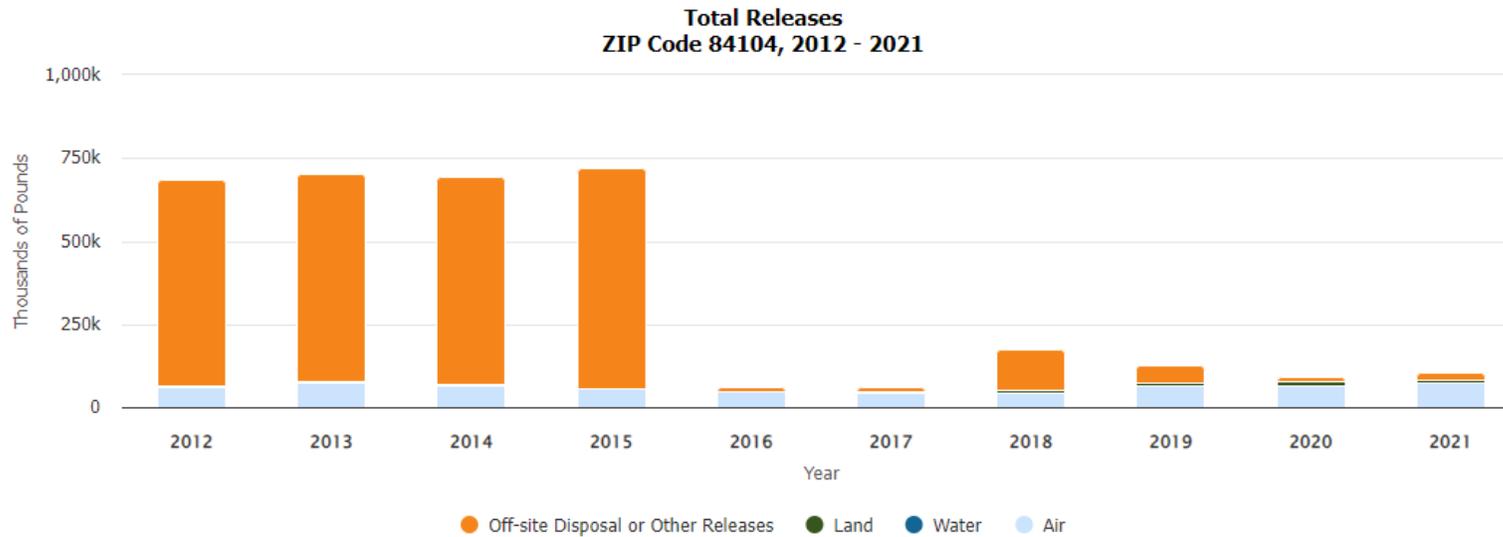
2021 TRI Factsheet: ZIP Code – 84104

Quick Facts for 2021

	ZIP Code 84104	United States
Number of TRI Facilities:	16	21,226
Total Production-Related Waste Managed:	1.2 million lbs	29.3 billion lbs
Total On-site and Off-site Disposal or Other Releases:	103.5 thousand lbs	3.3 billion lbs
Total On-site:	83.4 thousand lbs	2.8 billion lbs
• Air:	72.3 thousand lbs	572.3 million lbs
• Water:	0 lbs	197.5 million lbs
• Land:	11.0 thousand lbs	2.1 billion lbs
Total Off-Site:	20.1 thousand lbs	431.1 million lbs

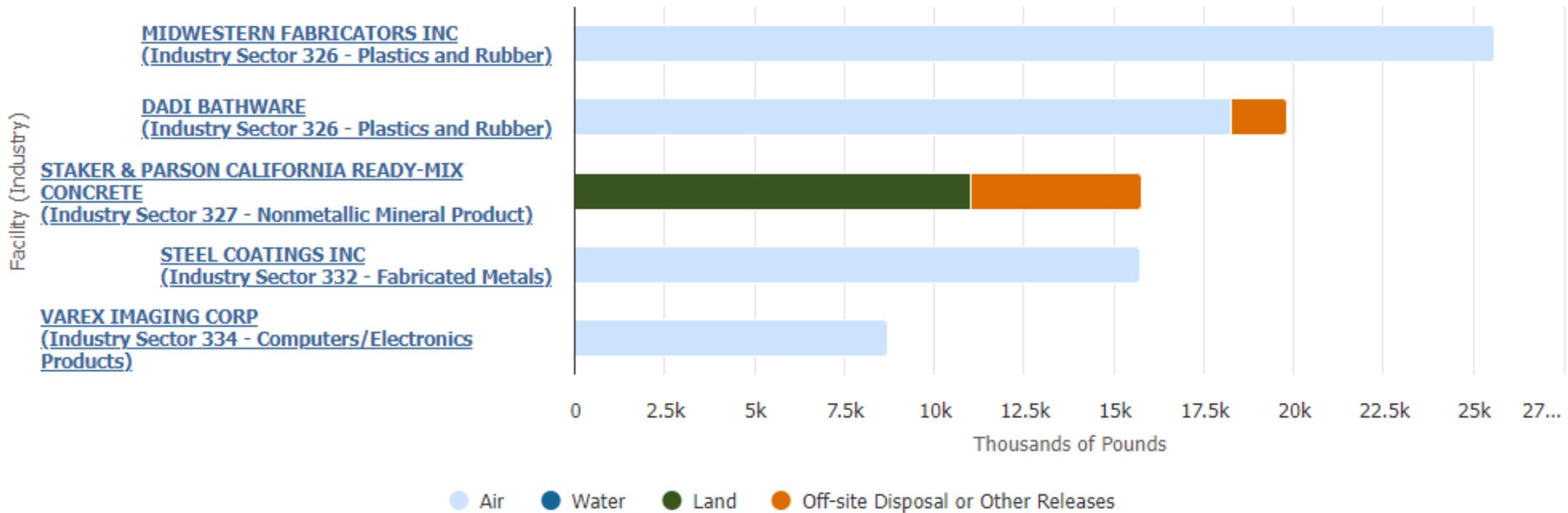
Fact Sheet – Zip code 84104, 2021

The following charts represent releases of TRI-covered chemicals to the environment in ZIP Code 84104. A "release" of a chemical means that it is emitted to the air or water, placed in some type of land disposal, or transferred off-site for disposal or release.



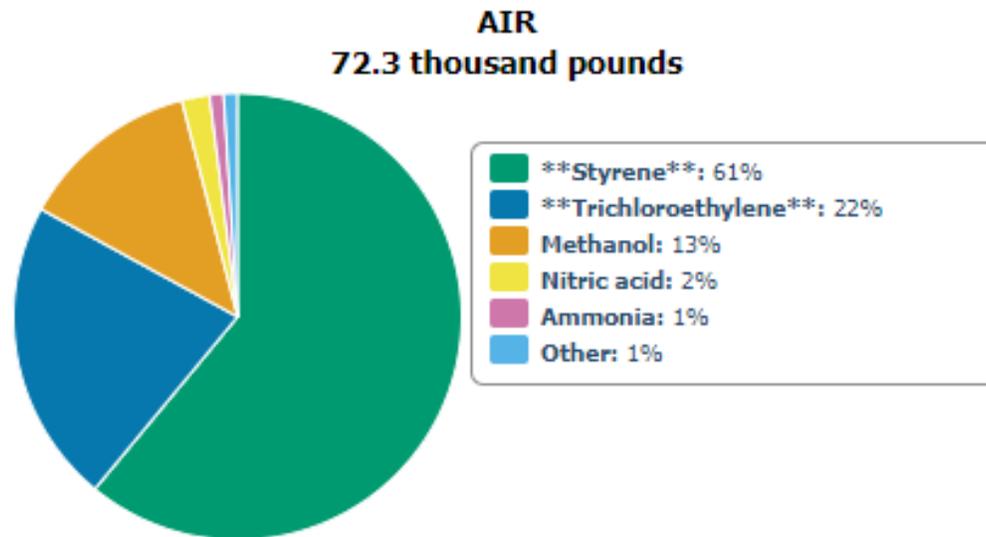
Fact Sheet – Zip code 84104, 2021

Top Five Facilities by Total Releases
ZIP Code 84104, 2021



Fact Sheet – Zip code 84104, 2021

Top Five Chemicals Released to Air and Water ZIP Code 84104, 2021



No Releases to Water
Reported

Note: **=Carcinogenic Chemical

Note: Trend graphs were created using the 2001 core chemicals/industries list.

Describing conditions for Zip code 84014, 2021

- Utah ranks 5th out of 56 states/territories in releases (193 facilities statewide)
- Salt Lake County (60 facilities) comprises of over 31% of facilities reporting statewide
- Zip code 84104 has the burden of over 26% of the facilities reporting in Salt Lake County
- Over 8% of facilities reporting in Utah are in zipcode 84104,
 - Smaller number may see less compelling
- 72.3 thousand pounds of releases were to air
- The top two facilities are with most releases are in the Plastics and Rubber Manufacturing industry
- Most releases to air from these facilities two facilities
- Styrene is the chemical most released to air in this zipcode
- Styrene is identified as a carcinogenic chemical

Toxics Tracker

EPA
How to Search

Summary of 15 TRI facilities in SIOUX FALLS, SD
BACK FORWARD

New Search

Map of TRI Facilities

Demographic Profile

Facilities Summary

Releases

Waste Managed

Pollution Prevention

Potential Risk

Potential Health Effects

Compliance and Enforcement

TRI Search Plus

EJSCREEN

For details about an individual facility, go to the **Facility Comparison Table**.

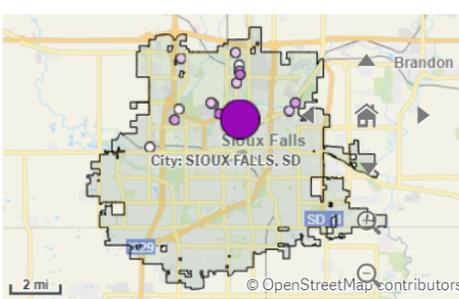
Print-Friendly Report | Top 10 Facilities | Facility Comparison Table

PRINT

You can print this report for use as a handout. For ideas about sharing TRI information, see the TRI What You Can Do page.

	Current Selection	United States
Number of TRI Facilities	15	21,458
Total Production-Related Waste Managed	4,228,344 lb	30,621,729,520 lb
Total Disposal or Other Releases	3,547,619 lb	3,417,579,617 lb
Total On-site	3,231,589 lb	2,959,259,558 lb
• Air	205,956 lb	600,223,665 lb
• Water	3,024,633 lb	201,211,355 lb
• Land	1,000 lb	2,157,824,538 lb
Total Off-Site	316,030 lb	458,320,059 lb

Default View
Satellite View



SIoux FALLS, SD ranks 131 out of 6,887 cities nationwide based on total releases (Rank 1 = highest releases)

Top Ten Facilities Based on Total Disposal or Other Releases in 2019

Facility Name	Releases (lb)
SMITHFIELD PACKAGED MEATS CORP - SIOUX FALLS (Industry Sector 311)	~1,000,000
STARMARK CABINETRY (Industry Sector 337 Furniture)	~500,000
DESIGN TANKS LLC (Industry Sector 326 Plastics and Rubber)	~200,000
CONCRETE MATERIALS COMPANY-MADISON STREET (Industry Sector 327)	~100,000
CONCRETE MATERIALS COMPANY-RICE STREET (Industry Sector 327)	~100,000
DIAMOND MOWERS INC (Industry Sector 333 Machinery)	~100,000
GRACO INC SIOUX FALLS (Industry Sector 333 Machinery)	~100,000

<https://edap.epa.gov/public/extensions/TRIToxicsTracker/TRIToxicsTracker.html>

Toxics Tracker – Search by Geography, Sector, Chemical, or TRI Facility

EPA TRI Toxics Tracker Show Print View How to Search Contact Us

Reporting Year: 3 of 10 | State (Abbr): Colorado (CO) | City/State: COMMERCE CIT... CLEAR BACK FORWARD

Welcome to TRI Toxics Tracker, where you can access nationwide TRI data from the past 10 years and easily explore by geography, facility, industry, chemical, or specific data elements.

Home Page

Map | Summary | Tribal Lands | Releases | Waste Managed | Waste Transfers | Pollution Prevention | Chemicals | Potential Risk | Customizable Tables

✓ You are currently viewing data for facilities based on your search parameters shown in the green bar above

# Facilities	# Reporting Years	# Chemicals Reported	# Reporting Forms
8	3 (2019 - 2021)	36	167

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

Choose a geography type:

Street address State/Territory County City ZIP Code

State, County, City, and/or ZIP Code

Metro Area

Watershed

Tribal Land

EPA Region

Years quick selections:

ⓘ Data sources: 2021 National Analysis Dataset, released May 2023. Risk-Screening Environmental Indicators (RSEI) model results based on 2021 National Analysis dataset, released October 2022.

NOTE: the TRI Program covers many—but not all—industry sectors and chemicals. Additionally, some facilities within a covered sector may not meet TRI reporting criteria.

Toxics Tracker – Summary Report

EPA TRI Toxics Tracker | Reporting Year: 3 of 10 | State (Abbr): Colorado (CO) | City/State: COMMERCE CIT...

Summary | For details about an individual facility, go to the [Facility List](#).

Summary Report | Print-Friendly Report | Top Facilities and Chemicals | Facility List | Compliance and Enforcement

The information below provides a summary of TRI and RSEI data for the facilities included in your current selection. In each section, the figure provides information about trends over time, and the table allows you to rank the data by chemical, facility, location, and industry sector. To learn more about a particular topic, use the sections in the blue left-hand menu to see more detailed charts and tables.

Releases

Evaluating releases of TRI-listed chemicals can help identify potential concerns and gain a better understanding of potential risks the releases may pose. The figure shows the trend in total disposal or other releases of TRI chemicals (also referred to as "total releases"), including on-site disposal to land, discharges to water, and releases to air, and off-site transfers for disposal or release.

Year	Air (lb)	Water (lb)	Land (lb)	Off-Site (lb)
2019	95,000	10,000	5,000	10,000
2020	70,000	10,000	5,000	15,000
2021	80,000	10,000	5,000	25,000

Waste Managed

Facilities report to TRI the quantities of TRI-listed chemicals that they dispose of or otherwise release to the environment as a result of normal industrial operations. In addition, facilities report the quantities of these chemicals that they manage through preferred methods including recycling, combusting for energy recovery, and treating for destruction. This figure shows the trend in these quantities, collectively referred to as waste managed.

Year	Disposed of or Otherwise Released (lb)	Energy Recovery (lb)	Non-Production-Related Waste (lb)	Recycled (lb)	Treated (lb)
2019	100,000	0	1,200,000	300,000	0
2020	100,000	0	1,000,000	300,000	0
2021	100,000	0	900,000	1,000,000	0

Rankings by Releases

Chemical	Facility	ZIP Code	Industry Sector	Releases (lb)
Totals				319,896
Ethylene				12,810
Ammonia				8,665
1,2,4-Trimethylbenzene				3,127
Ethylbenzene				3,007
Cyclohexane				2,765
Methanol				2,723
Nickel and nickel compounds				2,699

Rankings by Waste Managed

Chemical	Facility	ZIP Code	Industry Sector	Waste Transfers (lb)
Totals				1,477,535
Xylene (mixed isomers)				13,330
Polycyclic aromatic compounds				7,823
Cobalt and cobalt compounds				7,363
Toluene				4,962
Ethylbenzene				1,527
Benzene				887
1,2,4-Trimethylbenzene				571

You can download data and download as an image. Graphics are useful in grant applications, just be sure to explain these.

The graphics need to have context.

Toxics Tracker – EJScreen data added

Map of TRI Facilities

To access data about an individual facility, click on the facility location and then the checkmark button. Next, select "Summary" from the left menu to find basic facility information, an EJ report and demographic statistics.

Map Options:

Dot size represents:

- Releases (lb)
- Waste Managed (lb)
- Potential Risk Score

Dot color represents:

- Releases (lb)
- Industry Sector

Demographic data:

- Hide
- Show

88th Percentile Demographic Index

Non-TRI facilities:

- Hide
- Show

Select a demographic indicator:

- Demographic Index
- Supplemental Demographic Index
- Low Income
- People of Color
- Unemployment
- Less Than High School Education
- Limited English Speaking
- Under Age 5
- Over Age 64

Legend

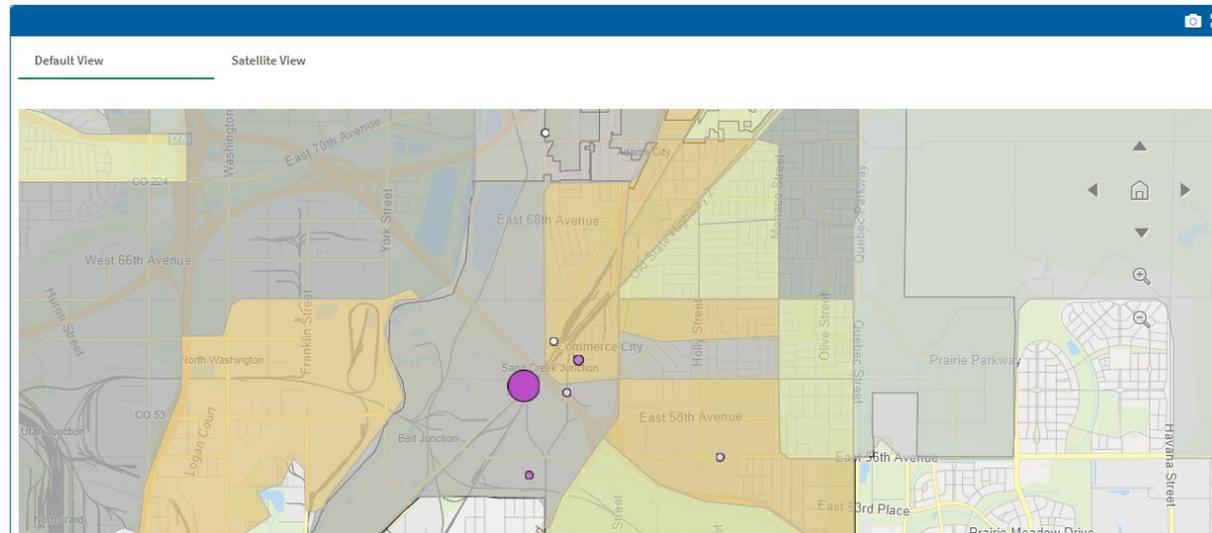
National Percentiles for Demographic Index

National Percentiles	Q	Percentages
95 - 100 percentile	≥ 78.59	
90 - 95 percentile	< 78.59	
80 - 90 percentile	< 69.84	
70 - 80 percentile	< 56.19	
60 - 70 percentile	< 45.01	
50 - 60 percentile	< 36.05	
Less than 50 percentile	< 29.04	
Data not available	N/A	

Census block groups on the map are colored based on the selected indicator's percentage value and national percentile. Data are based on EJScreen.

Total Releases by Facility

- 0 lb
- 0 - 100 lb
- 101 - 10,000 lb
- 10,001 - 100,000 lb
- 100,001 - 1,000,000 lb
- > 1,000,000 lb



Select radio buttons to show EJScreen data – Demographic Index.

This is Low-income and People of Color in a Census blockgroup combined.

Percentiles describe this Census Block population to the rest of the US.

For a blockgroup with a 75th percentile for the demographic index.

This means that 25% of blockgroups have a greater percentage of combined low-income and people of color populations

Toxics Tracker – Facility List Table

For details about an individual facility, go to the [Facility List](#).

[Summary Report](#)
[Print-Friendly Report](#)
[Top Facilities and Chemicals](#)
[Facility List](#)
[Compliance and Enforcement](#)

The information below provides a summary of TRI and RSEI data for the facilities included in your current selection. In each section, the figure provides information about trends over time, and the table allows you to rank the data by chemical, facility, location, and industry sector. To learn more about a particular topic, use the sections in the blue left-hand menu to see more detailed charts and tables.

To change the sorting order in the table, click on a column header.

For individual facility information, click on a facility name.

[DEFINITIONS](#)

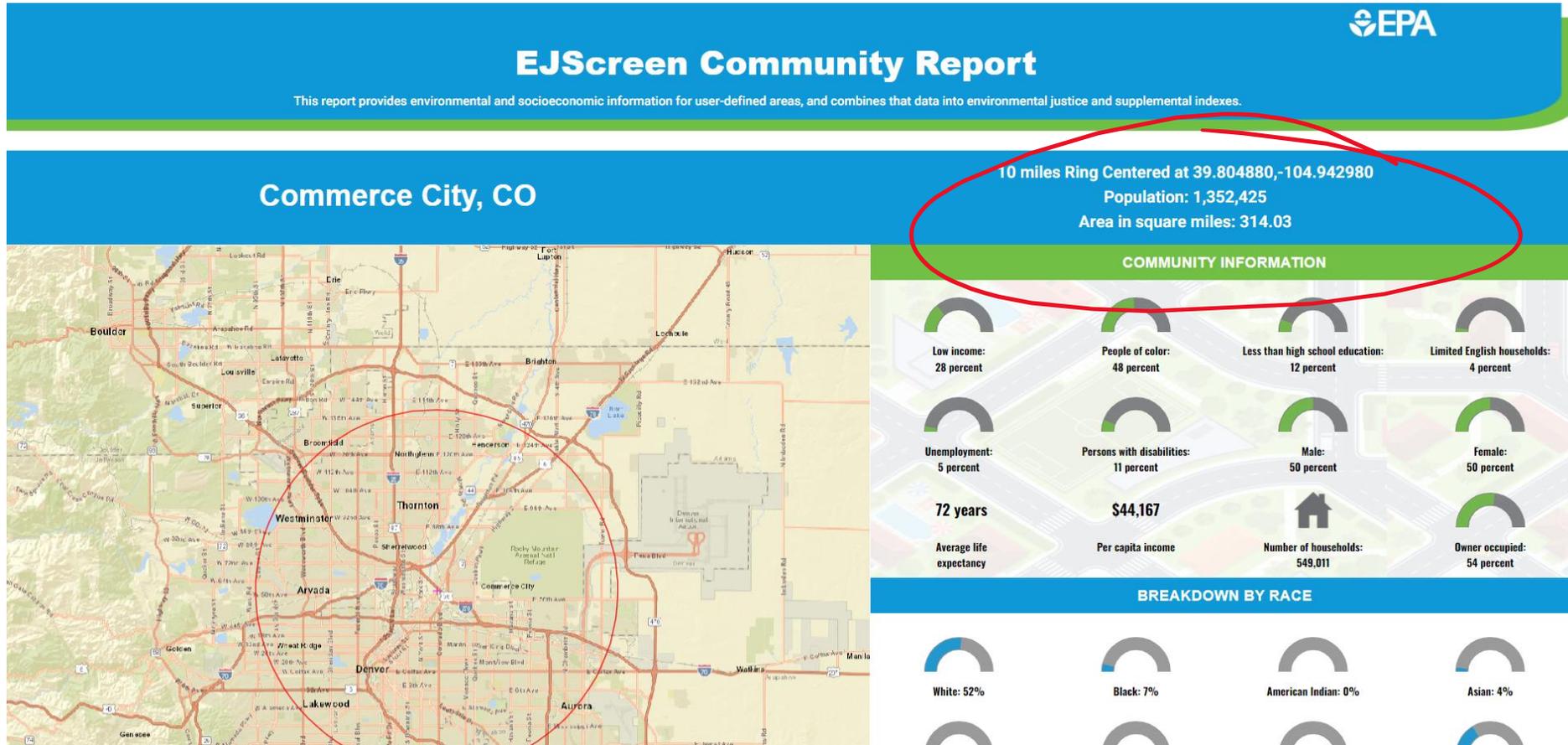
Total Releases
 Releases By Media

Facility	Releases (lb)	Waste Managed (lb)	RSEI Score	Demographic Index National	Pollut... Preve... Activit...	Pollution Prevention Activities	Number of TRI Reporting Forms	Most Recent Reporting	Primary NAICS Code	Top 3 Chemicals by Releases	Top 3 Chemicals by RSEI Score	EJ	TRI	P2
Totals	319,896	4,686,572	104,044		0	2	167	2021		-	-			
SUNCOR ENERGY COMMERCE ...	271,672	3,280,056	99,238	64	0	0	89	2021	324110 Petroleum Refi...	Hydrogen cyanide; Prop...	Benzene; Coba...	Link	Link	Link
THERMO FLUIDS DENVER - 800...	18,903	521,633	97	79	0	0	14	2021	424710 Petroleum Bulk...	Ethylene glycol; Methan...	Benzo[g,h,i]per...	Link	Link	Link
AZZ GALVANIZING - DENVER - 8...	17,911	692,741	47	92	0	2	6	2021	332812 Metal Coating, ...	Lead and lead compoun...	Lead and lead ...	Link	Link	Link
PHILLIPS 66 CO DENVER TERM...	11,312	139,738	3,969	64	0	0	34	2021	424710 Petroleum Bulk...	Toluene; Xylene (mixed ...	Benzene; Ethyl...	Link	Link	Link
BKEP MATERIALS LLC-DENVER ...	95	157	73	92	0	0	6	2021	324121 Asphalt Paving ...	Benzo[g,h,i]perylene; P...	Benzo[g,h,i]per...	Link	Link	Link
A R WILFLEY & SONS INC - 8002...	3	52,246	621	92	0	0	6	2021	333911 Pump and Pum...	Chromium and chromiu...	Chromium and...	Link	Link	Link
BRANNAN SAND & GRAVEL - 80...		0	No RSEI Score	64	0	0	3	2021	327320 Ready-Mix Conc...		No RSEI Score	Link	Link	Link
PURINA ANIMAL NUTRITION LL...		0	No RSEI Score	92	0	0	9	2021	311119 Other Animal F...		No RSEI Score	Link	Link	Link

A facility list will provide you with a list of all facilities for the geography selected and years.

You can link to an EJ Report, it is a 10-mile radius, which may not as helpful for a localized EJ grant application.

Toxics Tracker – EJScreen Community Report



EnviroMapper – multiple facilities

<https://enviro.epa.gov/enviro/em4ef.home>

EnviroMapper

The screenshot shows the EnviroMapper web application interface. At the top right is the EPA logo and the text "United States Environmental Protection Agency". Below the logo are links for "Home" and "Help". A search bar contains the text "Search Place: Chamberlain, South Dakota". The main map area displays a map of South Dakota with several green circular markers containing numbers (e.g., 2, 3, 4, 12, 16, 18, 27, 41, 45, 54). A legend on the left side allows users to "Select EPA program system(s) to map" with checkboxes for: Air Pollution (ICIS-AIR)(1703), Superfund Sites (NPL)(4), Toxic Releases (TRI)(694) (checked), Hazardous Waste (RCRAInfo)(7264), Water Dischargers (NPDES)(3028), Brownfields (ACRES)(481), Biennial Reporting (BR)(141), and Toxic Substances Control Act (TSCA)(149). Below the legend, there is a "View:" section with radio buttons for "All" (selected) and "20 per page", and a "Download" button. A "Share" link is visible on the right side of the map area.

Welcome to EnviroMapper for Envirofacts, a single point of access to select U.S. EPA environmental data. This Web site provides access to several EPA databases to provide you with information about environmental activities that may affect air, water, and land anywhere in the United States. With Envirofacts, you can learn more about these environmental activities in your area or you can generate maps of environmental information.

EnviroMapper – Searching data

- EJScreen layers can be added to EnviroMapper
- Search Envirofacts
- By Program

Clear

Select EPA program system(s) to map:

- Air Pollution (ICIS-AIR)(158)
- Superfund Sites (NPL)(1)
- Toxic Releases (TRI)(21)
- Hazardous Waste (RCRAInfo)(241)
- Water Dischargers (NPDES)(159)
- Brownfields (ACRES)(4)
- Biennial Reporting (BR)(9)
- Toxic Substances Control Act (TSCA)(4)

View:

All 20 per page

Single facility

Clustered facilities

Download

EnviroMapper

Home | Help

Search Place: 80216, Denver, Colorado

Basemap Tools More Data Search Envirofacts 80216

Select Map Contents

Select EPA program system(s) to map:

- Air Pollution (ICIS-AIR)(67)
- Superfund Sites (NPL)(1)
- Toxic Releases (TRI)(11)
- Hazardous Waste (RCRAInfo)(77)
- Water Dischargers (NPDES)(96)
- Brownfields (ACRES)(1)
- Biennial Reporting (BR)(5)
- Toxic Substances Control Act (TSCA)(2)

Home | Help

Basemap Tools More Data Search Envirofacts

Site Reporting to EPA:

Public Service Company Of Colorado
Cherokee Station
6198 FRANKLIN ST
DENVER, CO 80216

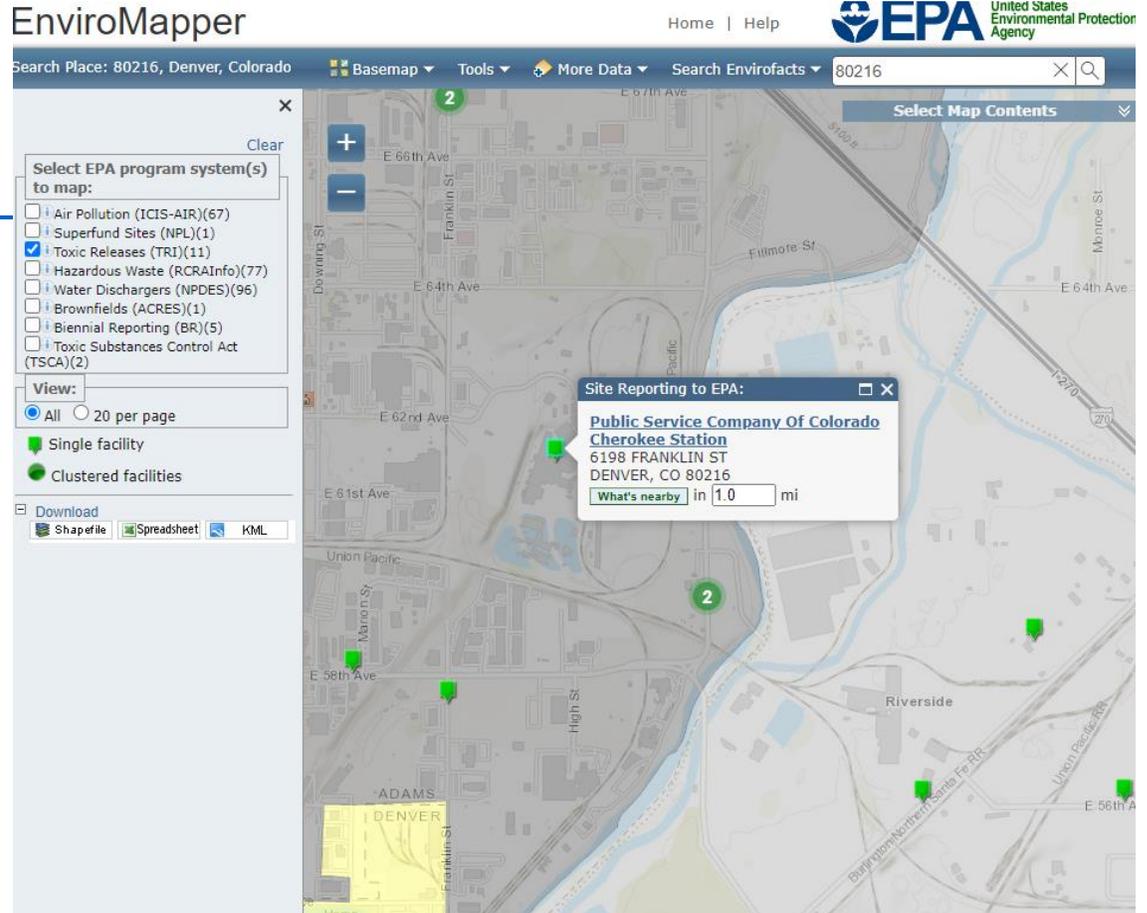
What's nearby in 1.0 mi

EnviroMapper - Interactive

- Can click on facilities and get a Facility Report
- https://enviro.epa.gov/enviro/multisys2_v2.get_list?facility
-

AFS Information

Operating Status:	0	HPV Flag:	
Operating Status Description:	OPERATING	State Registration Number:	840296600
State County Compliance Source:	0800100001	Government Facility Code Description:	PRIVATELY OWNED/OPERATED
Region Code:	08	Class Code:	A
Primary SIC Code:	4911	Class Code Description:	ACTUAL OR POTENTIAL EMISS
Primary SIC Description:	ELECTRIC SERVICES	Compliance Status:	C
NAICS Code:	221112	Compliance Status Description:	IN COMPLIANCE WITH PROCED
NAICS Code Description:	Fossil Fuel Electric Power Generation	Date Plant Information Last Updated:	07/30/2014



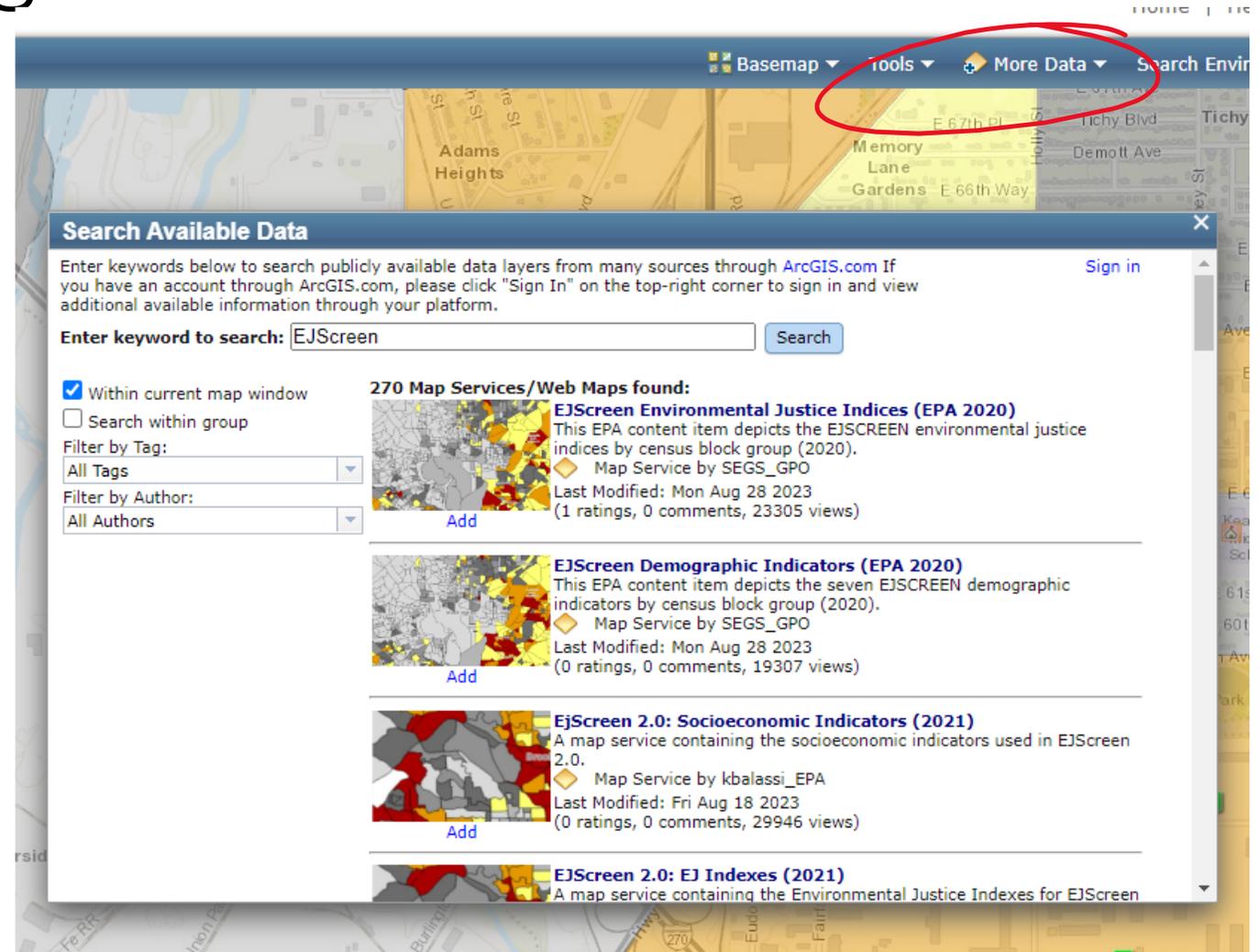
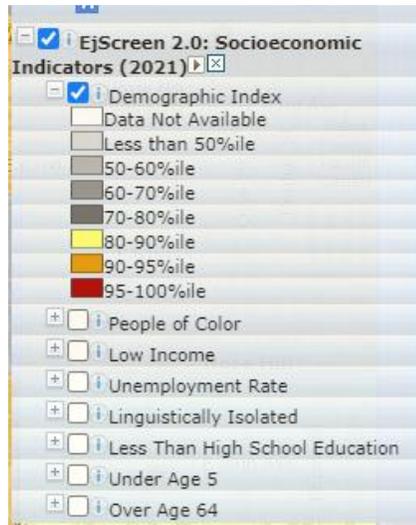
EnviroMapper – Facility spreadsheet

- Can download a spreadsheet with facility information that should cover the extent of the map

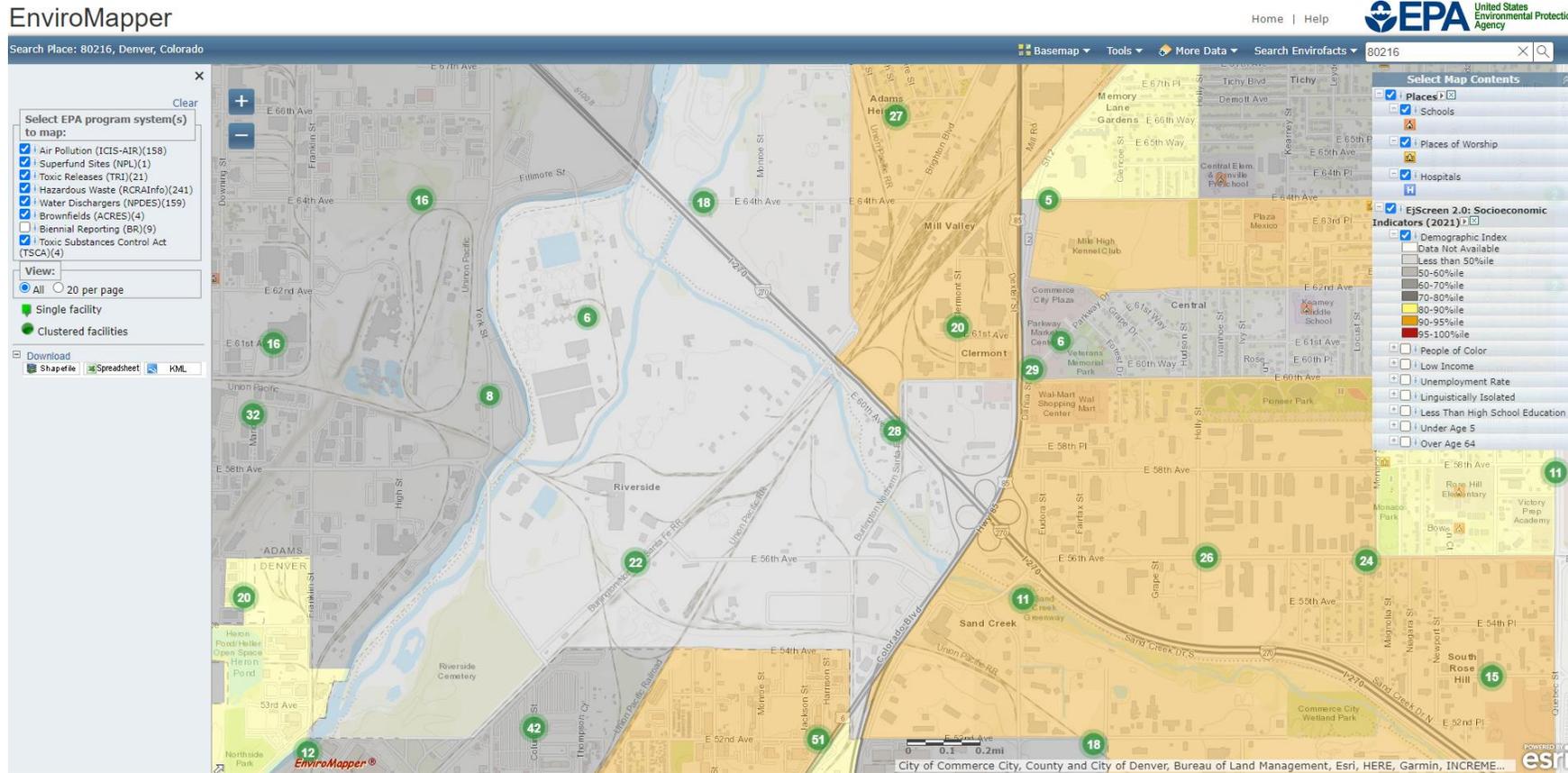
5	6025/6075 Parkway Dr (Vacant Field)	1.1E+11	6025 PARK	COMMERC	CO	80022	39.80591	-104.931
6	A R Wilfley & Sons Inc	1.1E+11	5870 E 56T	COMMERC	CO	80022	39.79836	-104.92
7	Advanced Chemical Transport Inc	1.1E+11	6511 COLC	COMMERC	CO	80022	39.81591	-104.94
8	Advanced Chemical Transport Inc Db	1.1E+11	5750 E 58T	COMMERC	CO	80022	39.80188	-104.92
9	Aet Environmental	1.1E+11	4301 JACK	DENVER	CO	80216	39.79278	-104.943
10	Air Products & Chems Inc	1.1E+11	5751 FAIR	COMMERC	CO	80022	39.79989	-104.928
11	All West Surface Prep	1.1E+11	6620 E 56T	COMMERC	CO	80022	39.79837	-104.911
12	Alpine Diesel/Tomahawk Truck Service	1.1E+11	3575 E 52N	DENVER	CO	80216	39.791	-104.946
13	Amazon.Com Services Llc - Dde6	1.1E+11	6150 DOW	DENVER	CO	80216	39.80806	-104.973
14	American Industrial	1.1E+11	6541 BRIG	COMMERC	CO	80022	39.81471	-104.936
15	American Industrial Corp	1.1E+11	2655 E 52N	COMMERC	CO	80022	39.79098	-104.954
16	Ancon Marine Services	1.1E+11	4241 E 64T	COMMERC	CO	80022	39.81274	-104.938
17	Ancon Services - Office	1.1E+11	5900 E 58T	COMMERC	CO	80022	39.80188	-104.919
18	Applied Industrial Finishing	1.1E+11	6100 EAST	COMMERC	CO	80022-394	39.80188	-104.918
19	Ardent Mills - Commerce City Mill	1.1E+11	4545 E 64T	COMMERC	CO	8E+08	39.8133	-104.933
20	Arvada Transfer Co	1.1E+11	7051 E 53R	COMMERC	CO	80022	39.79352	-104.907
21	Associated Golf Cars	1.1E+11	5301 QUEE	COMMERC	CO	80022	39.7921	-104.904
22	Atlas Energy Products	1.1E+11	6700 MOR	DENVER	CO	80230	39.81001	-104.960

EnviroMapper – adding EJScreen data

- EJScreen layers can be added to EnviroMapper
- Select More Data
 - More Available Data
 - Search: EJScreen
 - Select layer and Add
 - EJScreen Socioeconomic Indicators 2021



EnviroMapper – Interpreting data

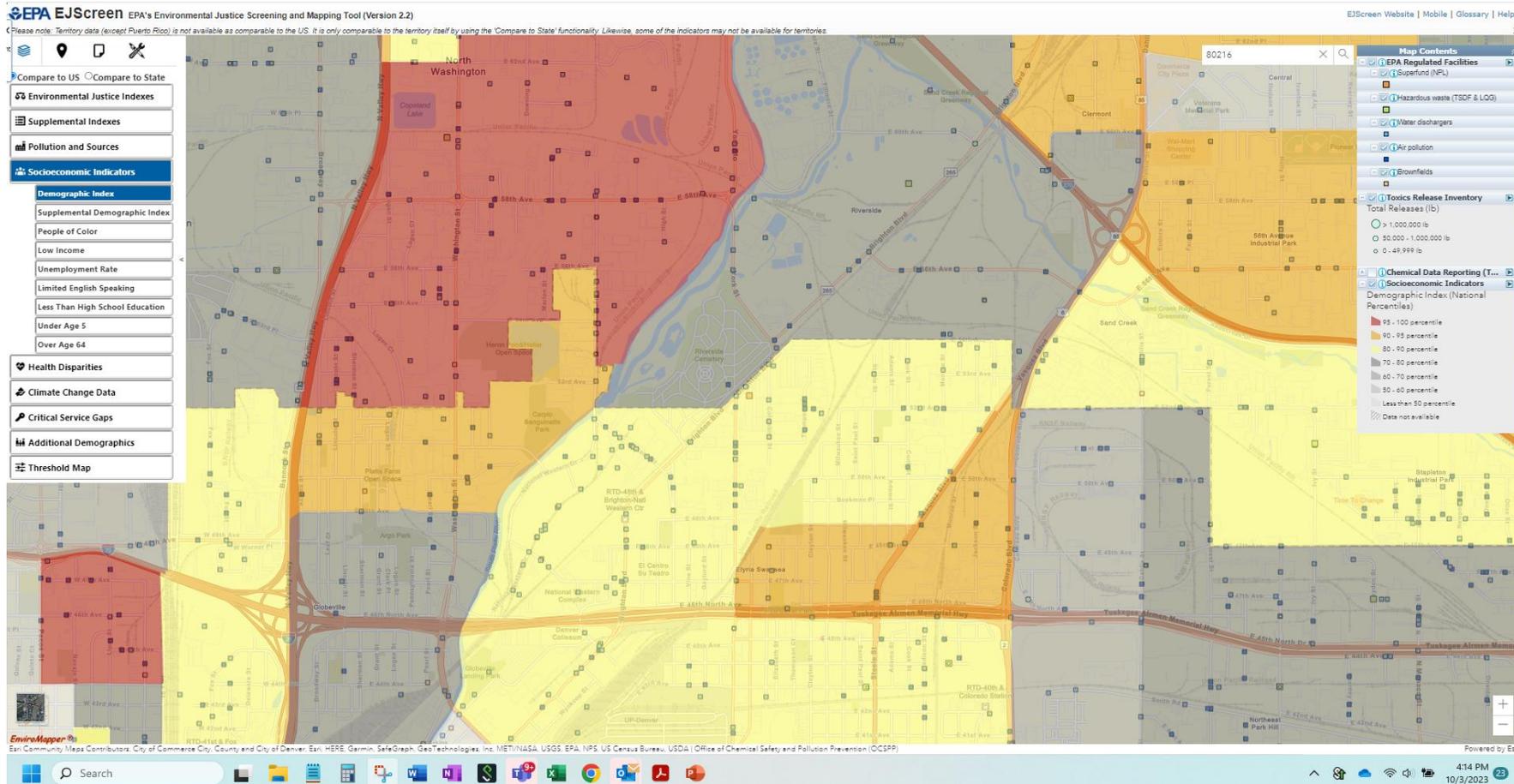


What does this map show?

- EPA Programs (# of facilities on the map extent)
 - 952 Facilities
 - 51 TRI; 1 Superfund, 14 Brownfields
- Places
 - Schools, Hospitals, Places of Worship
- EJScreen Demographic Index by color and percentile.
 - Orange is 90-95th percentile
 - 5-10% of places nationally have more a higher Demographic Index (more people of color and more low-income populations combined)

EJScreen – Interpreting data

<https://ejscreen.epa.gov/mapper/>

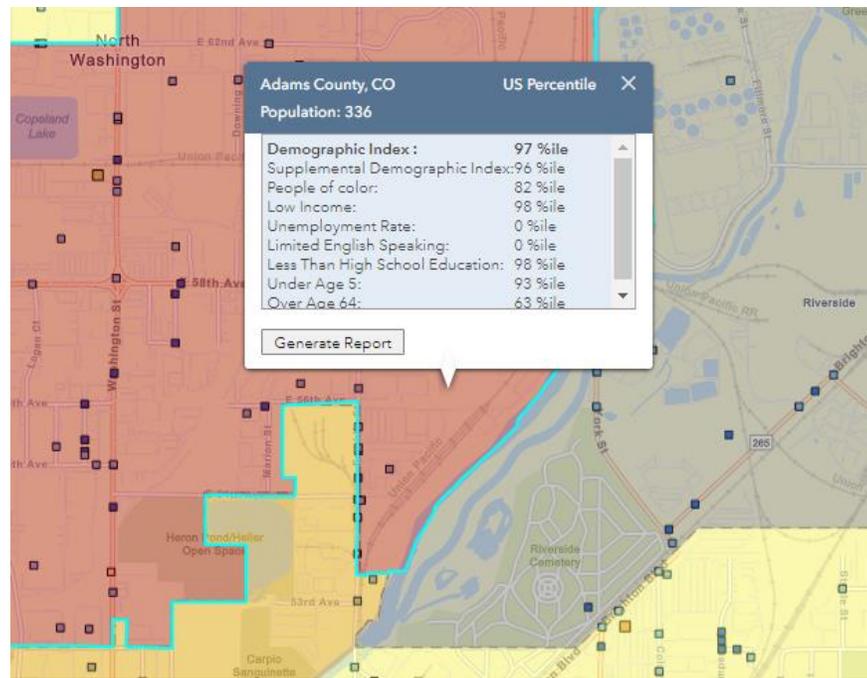


What does this show?

- Demographic Index
 - People of Color and Low-income combined
 - Census Blockgroups in color scale
- EPA Regulated Facilities
 - Polygons and colors
 - TRI data by pounds of Releases

EJScreen – popups and reports

1. Select Blockgroup
2. Generate Report



North Washington, CO

Blockgroup: 080010150003
Population: 336
Area in square miles: 1.73

COMMUNITY INFORMATION

Low income: 88 percent	People of color: 79 percent	Less than high school education: 48 percent	Limited English households: 0 percent
Unemployment: 0 percent	Persons with disabilities: 35 percent	Male: 58 percent	Female: 42 percent
74 years	\$8,327	Number of households: 143	Owner occupied: 59 percent
Average life expectancy	Per capita income		

BREAKDOWN BY RACE

White: 21%	Black: 0%	American Indian: 0%	Asian: 4%
Hawaiian/Pacific Islander: 0%	Other race: 0%	Two or more races: 0%	Hispanic: 75%

LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	52%
Spanish	48%
Total Non-English	48%

BREAKDOWN BY AGE

From Ages 1 to 18	40%
From Ages 18 and up	60%
From Ages 65 and up	19%

LIMITED ENGLISH SPEAKING BREAKDOWN

Speak Spanish	0%
Speak Other Indo-European Languages	0%
Speak Asian-Pacific Island Languages	0%
Speak Other Languages	0%

www.epa.gov/ejscreen

Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

EJScreen - report

Environmental Variables

- Value, state average, percentile, in state, USA
- Average and percentile in USA
- Particulate Matter has a value of 8.77, this is higher than the Colorado average of 6.45.
- The people living this area are in the 95th percentile in the state. This means that only 5% of places in Colorado have a higher values of Particulate Matter
- State Averages and USA Averages are useful in describing the local environmental burdens, compared to other places

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	8.77	6.45	95	8.08	67
Ozone (ppb)	65.8	64.9	53	61.6	79
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.686	0.268	95	0.261	96
Air Toxics Cancer Risk* (lifetime risk per million)	30	21	69	25	52
Air Toxics Respiratory HI*	0.4	0.25	83	0.31	70
Toxic Releases to Air	4,400	3,400	85	4,600	84
Traffic Proximity (daily traffic count/distance to road)	300	180	84	210	83
Lead Paint (% Pre-1960 Housing)	0.56	0.2	85	0.3	77
Superfund Proximity (site count/km distance)	0.99	0.1	99	0.13	98
RMP Facility Proximity (facility count/km distance)	2.3	0.35	98	0.43	97
Hazardous Waste Proximity (facility count/km distance)	3.9	0.58	98	1.9	85
Underground Storage Tanks (count/km ²)	4.8	2.7	80	3.9	76
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.3	710	87	22	87
SOCIOECONOMIC INDICATORS					
Demographic Index	84%	28%	99	35%	97
Supplemental Demographic Index	32%	11%	99	14%	96
People of Color	79%	32%	95	39%	82
Low Income	88%	25%	99	31%	98
Unemployment Rate	0%	5%	0	6%	0
Limited English Speaking Households	0%	2%	0	5%	0
Less Than High School Education	48%	8%	99	12%	98
Under Age 5	13%	5%	94	6%	93
Over Age 64	19%	16%	68	17%	63
Low Life Expectancy	24%	18%	93	20%	86

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haq/air-toxics-data-update>

EJScreen – other information

Health, Climate and Critical Service Gaps information is displayed with same averages, percentiles, and comparisons to State and USA.

Asthma for this Blockgroup is in the 94th percentile for Colorado, but 84th percentile for USA

That means that in only 6% of people in Colorado have higher Asthma values. And there are 16% of people nationally that have higher Asthma Values.

HEALTH INDICATORS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	24%	18%	93	20%	86
Heart Disease	8,6	4,8	98	6,1	90
Asthma	11,3	9,9	94	10	84
Cancer	6,7	5,9	70	6,1	62
Persons with Disabilities	23,3%	11,4%	96	13,4%	93

CLIMATE INDICATORS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	13%	5%	87	12%	74
Wildfire Risk	0%	33%	0	14%	0

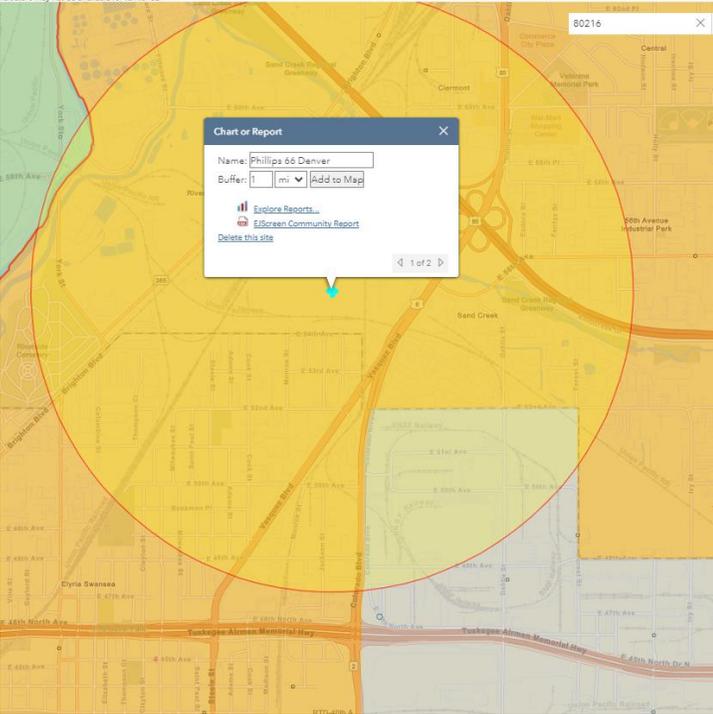
CRITICAL SERVICE GAPS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	15%	10%	76	14%	61
Lack of Health Insurance	17%	8%	93	9%	88
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Footnotes
 Report for Blockgroup: 080010150003

EJScreen – customize reporting locations

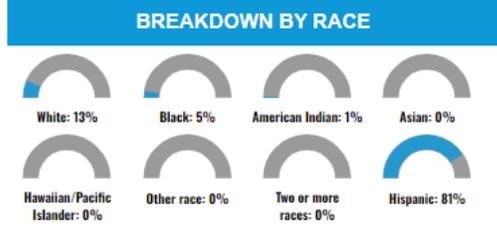
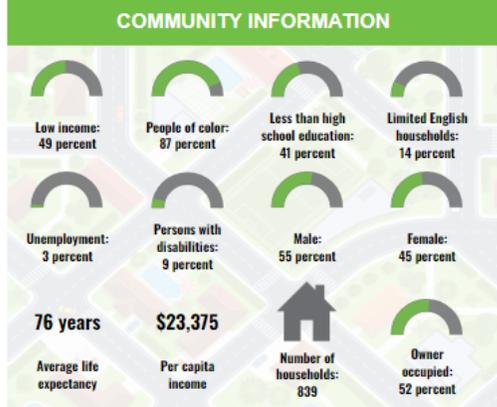
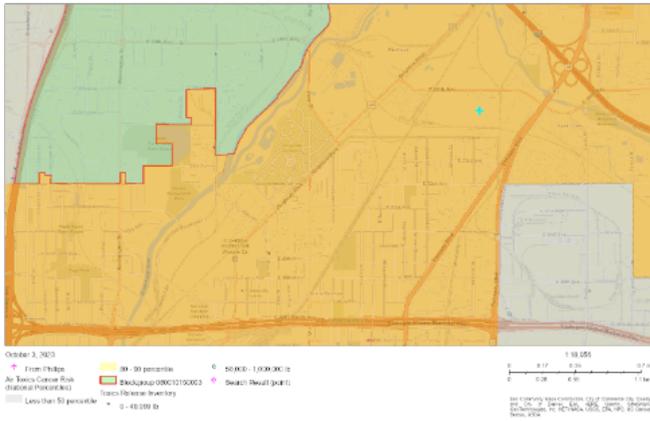
Selected Facility:

Phillips 66 Denver and created a 1-mile radius



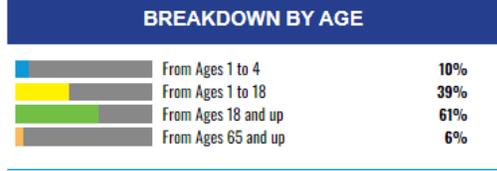
Commerce City, CO

1 mile Ring Centered at 39.796667,-104.942350
Population: 2,777
Area in square miles: 3.14



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	28%
Spanish	71%
Total Non-English	72%



EJScreen – Other sites and information

Within 1-mile of Phillips 66

Sites reporting to EPA within defined area:

Superfund	1
Hazardous Waste, Treatment, Storage, and Disposal Facilities	2
Water Dischargers	104
Air Pollution	97
Brownfields	2
Toxic Release Inventory	11

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	1

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	Yes

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community	Yes
Selected location contains an EPA IRA disadvantaged community	Yes

Report for 1 mile Ring Centered at 39.796667,-104.942350

Describe Environmental/Human Health issues

- Describe and characterize the underserved community directly impacted by disproportionate environmental and/or human health harms and risks,
- # of facilities in community, pounds of chemical releases, cumulative impact of many facilities, other sites regulated by EPA, percentiles/values locally compared to state/nation
- Describe how the community is impacted by those harms and risks (i.e., Who is the community comprised of and what are the disproportionate environmental and/or human health issues they experience?)
- Demographic information, lack of access, health outcomes

What next

- TRI data is powerful, supports characterize community conditions
- TRI Explorer Fact Sheets, Toxics Tracker, EnviroMapper, and EJScreen all include TRI and population data
 - If you don't know where to start, start with Fact Sheets (state, county, city, zipcode, tribal data geographies)
- Toxics Tracker supports looking at all facilities in a geographic area that report to TRI
 - Graphics and tables can be downloaded; compelling in a grant application
 - EJScreen report is a default of 10 miles – may be too large for urban areas
- EnviroMapper displays multiple facilities regulated by EPA
 - Download data as a spreadsheet for the mapped extent in tool
- EJScreen displays environmental justice percentiles and allows to map facilities
 - TRI data is hard to see in the map



Using Toxics Release Inventory for EJ Grant Applications

Thank you!

Please reach out if you need support

April Nowak

Environmental Justice Grants Coordinator

nowak.april@epa.gov, 303.312.6528

US EPA Region 8 – Denver, Colorado