TOXICS RELEASE INVENTORY (TRI)

BASIC PLUS DATA FILES DOCUMENTATION

FILE TYPE 5

ADDITIONAL INFORMATION ON DISPOSAL AND OTHER RELEASES, SOURCE REDUCTION, AND RECYCLING ACTIVITIES

Updated for RY 2023

September 2024

OVERVIEW OF TRI BASIC PLUS DATA FILES

The TRI "Basic Plus" data files include 10 file types that collectively contain all the data fields from the TRI Reporting Form R and Form A (except Form R Schedule 1). The 10 file types are tab-delimited text (.txt) files packaged into a .zip file.

File	Example	Description of Contents	Form R/Form A Reference
Type 1A	CA_1A_2017.txt	Facility data, chemical identification, chemical uses, on- site releases and management, off- site transfers, summary information	Part I (all), Part II (section 1, 3, 4, 5, 6.1.A, 6.2ABC, 7B, 7C, 8.2.B, 8.4.B, 8.6.

The Basic Plus Data Files are identified (named) by state, file type, and reporting year:

File Name = State + File Type + Reporting Year

For example, the file "CA_1A_2017.txt" contains facility, chemical identification, chemical use, on-site release and waste management, off-site transfer, and summary information (File Type 1A) for all facilities located in California (CA) for reporting year 2017.

In addition to the set of data files for each state, there are two other Basic Plus file sets: Federal and National. The Federal files (FED_1A_2017.txt, FED_2A_2017.txt, etc.) contain TRI data for all government-owned-and-operated federal sites. The National files (US_1A_2017.txt, US_2A_2017.txt, etc.) contain TRI data for all U.S. states and territories for a specific year.

DESCRIPTION OF FILE TYPE 5 CONTENTS

The "Type 5" file contains information from Section 8.11 of the TRI Reporting Form R. Section 8.11 is an optional text section in which facilities may choose to provide more detail about activities taken to reduce releases of the TRI chemical being reported. Collection of Section 8.11 comment data began in reporting year 2005. Only Form R submissions that have this optional text are included in File Type 5.

All Type 5 files contain data from the following parts and sections of the Form R:

Part	Section	Description
I	1	Reporting Year
I	1	Revision Codes
I	4	Facility Identification Information
I	5	Parent Company Information
II	1	Chemical Identification Data
II	8.11	Additional Information on Source Reduction, Recycling and Pollution Control

Note: In 2005, the TRI Program stopped collecting underground injection control (UIC) identification numbers from facilities on the TRI reporting forms. UIC IDs identify facilities that received permits from state governments to dispose of or release chemical waste into Class I through Class V underground injection wells.

The TRI Program does have some historical UIC IDs that were collected prior to 2005. Many of these, however, are outdated and inaccurate. The TRI Program is also missing UIC IDs for facilities that began reporting to TRI in or after 2005. EPA does not store nor have access to current UIC IDs. Because of this lack of current, accurate and complete data, the TRI Program removed the UIC ID data fields from the TRI Basic Data Files in 2019.

To learn more about UIC permits and underground injection wells see the "Protecting Underground Source of Drinking Water from Underground Injection (UIC)" website at https://www.epa.gov/uic

WHAT'S IN THIS DOCUMENT

The rest of this document is organized as a four-column data table. It describes what information you will find when you download and open any of the TRI Basic Plus Data: File Type 5 files.

Column	Description
Number (No.)	The sequential number of the data element in the record
Field Name	The name of the data element (Note: these names correspond to the various column headings in the data files themselves.)
Data Type	'C' for character data (alphanumeric) 'N' for numeric data 'D' for date
Description	A brief statement of what the data element represents, plus its TRI System Source (in **Table Name**. Field Name format) and where on the TRI Reporting Form R the data element is reported (i.e., *reference*). TRI System Source refers to the data element's physical location within EPA's Envirofacts online data warehouse.

When you open any of the Basic Plus data files, you'll see that the contents are delimited by tabs, meaning a tab is placed between each data element. The first row of each file contains column headers, which correspond to the "field names" in this document.

	A	B	C	D
1	REPORTING YEAR	TRADE SECRET INDICATOR	TRIFID	FACILITY NAME
2	2016	NO	37087TSHBM1420T	NOVAMET SPECIALTY PRODUCTS
3	2016	NO	2740WNVRNM837TR	ENVIRONMENTAL AIR SYSTEMS INC-TRIAD
4	2016	NO	7585WSNDRS485HI	SANDERSON FARMS OAKWOOD FEED MILL

Example of the first four rows of a Basic Plus data file

REMINDER: Quantities of dioxin and dioxin-like compounds are in grams. Quantities of all other TRI chemicals are reported in pounds. Facilities cannot use range codes to report quantities for dioxin and dioxin-like compounds and other Persistent Bioaccumulative Toxics (PBTs).

HELPFUL RESOURCES FOR USERS OF DOWNLOADABLE DATA FILES

When using any of the downloadable TRI data files, it will be helpful for users to refer to the TRI Reporting Form R, the TRI Reporting Forms & Instructions document, and the Envirofacts TRI data model. The Reporting Forms & Instructions document and sample reporting forms are available online in the GuideME application at www.epa.gov/tri/guideme. The Envirofacts TRI data model is found at https://www.epa.gov/enviro/tri-model. These resources provide useful context and have additional details about certain data elements.

FILE TYPE 5 CONTENTS

No.	Field Name	Type	Description
1	FORM TYPE	C	Indicates whether the Reporting Form R or Form A Certification Statement was submitted. R = Form R A = Form A Certification Statement *Source:* **TRI_REPORTING_FORM.**FORM_TYPE_IND *Reference:* Type of Form Used
2	REPORTING YEAR	C	The calendar year in which the reported activities occurred. *Source:* **TRI_REPORTING_FORM.**REPORTING_YEAR *Reference:* Part I, Section 1
3	TRIFD	C	The unique TRI facility identification (TRIFID) number assigned to each facility for TRI reporting purposes *Note: The content of this field is not changed to match facility ownership, or zip code changes. Rather, the TRIFD identifies a specific geographical location (also identified by the latitude and longitude of that location).* *Source:* **TRI_FACILITY.**TRI_FACILITY_ID *Reference:* Part I, Section 4.1
4	FACILITY NAME	C	Name of the reporting facility. *Source:* **TRI_FACILITY.**FACILITY_NAME *Reference:* Part I, Section 4.1
5	FACILITY STREET	C	Street address of the reporting facility. *Source:* **TRI_FACILITY.**STREET_ADDRESS *Reference:* Part I, Section 4.1
6	FACILITY CITY	C	City in which the reporting facility is located. *Source:* **TRI_FACILITY.**CITY_NAME *Reference:* Part I, Section 4.1
7	FACILITY COUNTY	C	County in which the reporting facility is located. *Source:* **TRI_FACILITY.**COUNTY_NAME *Reference:* Part I, Section 4.1
8	FACILITY STATE	C	Two-letter abbreviation of the state in which the reporting facility is located. *Source:* **TRI_FACILITY.**STATE_ABBR *Reference:* Part I, Section 4.1

9	FACILITY ZIP CODE	C	ZIP code of the reporting facility. *Source:* **TRI_FACILITY.**ZIP_CODE *Reference:* Part I, Section 4.1
10	BIA CODE	C	Three-letter Bureau of Indian Affairs (BIA) code indicating the tribal land on which the facility is located. *Source:* **TRI_FACILITY.**BIA_TRIBAL_CODE
11	TRIBE NAME	C	Name of the tribe on whose land the reporting facility is located. *Source:* **TRI_TRIBE_DESC.**TRIBE
12	MAILING NAME	C	The mailing name for the facility. *Source:* **TRI_FACILITY.** MAIL_NAME
13	MAILING STREET	C	Street address of the reporting facility's mailing address. *Source:* **TRI_FACILITY.**MAIL_STREET_ADDRESS *Reference:* Part I, Section 4.1
14	MAILING CITY	C	City name of the facility's mailing address. *Source:* **TRI_FACILITY.**MAIL_CITY *Reference:* Part I, Section 4.1
15	MAILING STATE	C	State of the reporting facility's mailing address. *Source:* **TRI_FACILITY.**MAIL_STATE_ABBR *Reference:* Part I, Section 4.1
16	MAILING PROVINCE	C	Province of the reporting facility's mailing address. *Source:* **TRI_FACILITY.**MAIL_PROVINCE *Reference:* Part I, Section 4.1
17	MAILING ZIP CODE	C	ZIP code of the reporting facility's mailing address. *Source:* **TRI_FACILITY.**MAIL_ZIP_CODE *Reference:* Part I, Section 4.1
18	ENTIRE FACILITY IND	C	Flag indicating whether the information covers an entire facility or part of a facility. Yes = entire No = partial *Source:* **TRI_REPORTING_FORM.**ENTIRE_FAC *Reference:* Part I, Section 4.2a
19	PARTIAL FACILITY IND	C	Flag indicating whether the information covers part of a facility or an entire facility. Yes = partial No = entire *Source:* **TRI_REPORTING_FORM.**PARTIAL_FAC *Reference:* Part I, Section 4.2b
20	FEDERAL FACILITY IND	C	Flag indicating whether the facility is federally owned and operated. Yes = federal No = non-federal *Source:* **TRI_REPORTING_FORM.**FEDERAL_ FAC_IND *Reference:* Part I Section 4.2c

21	GOCO FACILITY IND	C	Flag indicating whether a facility is Government-Owned, Contractor-Operated. Yes = GOCO No = non-GOCO *Source:* **TRI_REPORTING_FORM.**GOCO_ FLAG *Reference:* Part I Section 4.2d
22	ASSIGNED FED. FACILITY FLAG	C	Flag indicating whether the facility is federally owned. Yes = Federal No = non-Federal *Source:* **TRI_FACILITY.** ASGN_FEDERAL *Reference:* Assigned by the TRI Program.
23	ASSIGNED PARTIAL FACILITY FLAG	C	Flag indicating if the facility is a multi-establishment facility that reports by part. Multi-establishment facilities may have more than one submission for the same chemical in one reporting year. Yes = partial No = entire *Source:* **TRI_FACILITY**. ASGN_PARTIAL_IND *Reference:* Assigned by the TRI Program.
24	PUBLIC CONTACT NAME	C	Name of the designated individual whom the public may contact if clarification of the facility's reported data is needed. *Source:* **TRI_REPORTING_FORM.**PUBLIC_CONTACT_PERSON *Reference:* Part I, Section 4.4
25	PUBLIC CONTACT PHONE	C	Area code and telephone number of the public contact. *Source:* **TRI_REPORTING_FORM.**PUBLIC_ CONTACT_PHONE *Reference:* Part I, Section 4.4
26	PUBLIC CONTACT PHONE EXT	C	Phone extension of the public contact *Source:* **TRI_REPORTING_FORM.**PUBLIC_PHONE_EXT *Reference:* Part I, Section 4.4
27	PUBLIC CONTACT EMAIL	C	Email address of the designated individual whom the public may contact if clarification of the facility's reported data is needed. *Source:* **TRI_REPORTING_FORM.**PUBLIC_CONTACT_PERSON_EMAIL *Reference:* Part I, Section 4.4
28	PRIMARY SIC CODE	C	Primary 4-digit Standard Industrial Classification (SIC) code. *Note: SIC codes were reported by facilities from RY 1987 through 2005.* *Source:* **TRI_SUBMISSION_SIC.**SIC_CODE *Where:* primary_ind = >1' *Reference:* Part I, Section 4.5a
29	SIC CODE 2	C	Second 4-digit Standard Industrial Classification (SIC) code entered by facility. *Note: SIC codes were reported by facilities from RY 1987 through 2005.* *Source:* **TRI_SUBMISSION_SIC.**SIC_CODE *Where:* sic_sequence_num = >2' *Reference:* Part I, Section 4.5b

30	SIC CODE 3	C	Third 4-digit Standard Industrial Classification (SIC) code entered by facility. *Note: SIC codes were reported by facilities from RY 1987 through 2005.* *Source:* **TRI_SUBMISSION_SIC.**SIC_CODE *Where:* sic_sequence_num = >3' *Reference:* Part I, Section 4.5c
31	SIC CODE 4	C	Fourth 4-digit Standard Industrial Classification (SIC) code entered by facility. *Note: SIC codes were reported by facilities from RY 1987 through 2005.* *Source:* **TRI_SUBMISSION_SIC.**SIC_CODE *Where:* sic_sequence_num = >4' *Reference:* Part I, Section 4.5d
32	SIC CODE 5	C	Fifth 4-digit Standard Industrial Classification (SIC) code entered by facility. *Note: SIC codes were reported by facilities from RY 1987 through 2005.* *Source:* **TRI_SUBMISSION_SIC.** SIC_CODE *Where:* sic_sequence_num = >5' *Reference:* Part I, Section 4.5e
33	SIC CODE 6	C	Sixth 4-digit Standard Industrial Classification (SIC) code entered by facility. *Note: SIC codes were reported by facilities from RY 1987 through 2005.* *Source:* **TRI_SUBMISSION_SIC.** SIC_CODE *Where:* sic_sequence_num = >6' *Reference:* Part I, Section 4.5f
34	NAICS ORIGIN	C	Indicates whether North American Standard Industry Classification System (NAICS) codes were reported or assigned. R = Reported A = Assigned *Source:* **TRI_SUBMISSION_NAICS**.SOURCE *Reference*: TRI system-generated
35	PRIMARY NAICS CODE	C	Primary 6-digit North American Standard Industry Classification System (NAICS) code. This represents the main business activity at the facility. See Appendix A for details. *Note: From RY 2006 to the present, NAICS codes reported by facilities from RY 2006 to present. Prior to RY 2006, NAICS codes were assigned by EPA.* *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* primary_ind => 1 *Reference:* Part I, Section 4.5a
36	NAICS CODE 2	C	Second 6-digit North American Standard Industry Classification System (NAICS) code entered by facility. *Note: NAICS codes reported by facilities from RY 2006 to present. Prior to RY 2006, NAICS codes were assigned by EPA.* *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* naics_sequence_num = 2 *Reference:* Part I, Section 4.5b

37	NAICS CODE 3	C	Third 6-digit North American Standard Industry Classification System (NAICS) code entered by facility. *Note: NAICS codes reported by facilities from RY 2006 to present. Prior to RY 2006, NAICS codes were assigned by EPA.* *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* naics_sequence_num = '3' *Reference:* Part I, Section 4.5c
38	NAICS CODE 4	C	Fourth 6-digit North American Standard Industry Classification System (NAICS) code entered by facility. *Note: NAICS codes reported by facilities from RY 2006 to present. Prior to RY 2006, NAICS codes were assigned by EPA.* *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* naics_sequence_num = '4' *Reference:* Part I, Section 4.5d
39	NAICS CODE 5	C	Fifth 6-digit North American Standard Industry Classification System (NAICS) code entered by facility. *Note: NAICS codes reported by facilities from RY 2006 to present. Prior to RY 2006, NAICS codes were assigned by EPA.* *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* naics_sequence_num = '5' *Reference:* Part I, Section 4.5e
40	NAICS CODE 6	C	Sixth 6-digit North American Standard Industry Classification System (NAICS) code entered by facility. *Note: NAICS codes reported by facilities from RY 2006 to present. Prior to RY 2006, NAICS codes were assigned by EPA.* *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* naics_sequence_num = '6' *Reference:* Part I, Section 4.5f
41	LATITUDE	N	The latitude value that best represents the facility according to EPA's Facility Registry System (FRS). Format: signed 2-digit whole number, 6 decimal positions (+nn.nnnnnn). *Note: In RY 2005, EPA stopped collecting the latitude value and began obtaining it from FRS.* *Source:* **EPA's Facility Registry System**
42	LONGITUDE	N	The longitude value that best represents the facility according to EPA's Facility Registry System (FRS). Format: signed 3-digit whole number, 6 decimal positions (+nnn.nnnnnn). *Note: In RY 2005, EPA stopped collecting the longitude value and began obtaining it from FRS.* *Source:* **EPA's Facility Registry System**
43	D&B NR A	C	Unique identification number assigned by Dun and Bradstreet to the reporting facility. Dun & Bradstreet is a private financial tracking and accounting firm. *Source:* **TRI_FACILITY_DB.**DB_NUM *Reference:* Part I, Section 4.7a
44	D&B NR B	C	Unique identification number assigned by Dun and Bradstreet to the reporting facility. Dun & Bradstreet is a private financial tracking and accounting firm. *Source:* **TRI_FACILITY_DB.**DB_NUM *Reference:* Part I, Section 4.7b

45	RCRA NR A	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* Reporting Form R. *Source:* **EPA's Facility Registry System**
46	RCRA NR B	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* *Source:* **EPA's Facility Registry System**
47	RCRA NR C	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* *Source:* **EPA's Facility Registry System**
48	RCRA NR D	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* *Source:* **EPA's Facility Registry System**
49	RCRA NR E	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* *Source:* **EPA's Facility Registry System**
50	RCRA NR F	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* *Source:* **EPA's Facility Registry System**
51	RCRA NR G	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* *Source:* **EPA's Facility Registry System**
52	RCRA NR H	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* *Source:* **EPA's Facility Registry System**
53	RCRA NR I	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* *Source:* **EPA's Facility Registry System**
54	RCRA NR J	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act (RCRA). *Note: In RY 2005, TRI stopped collecting RCRA IDs and began obtaining them from EPA's Facility Registry System (FRS).* *Source:* **EPA's Facility Registry System**

55	NPDES NR A	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**
56	NPDES NR B	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**
57	NPDES NR C	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**
58	NPDES NR D	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**
59	NPDES NR E	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**
60	NPDES NR F	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**
61	NPDES NR G	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**
62	NPDES NR H	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**

63	NPDES NR I	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**
64	NPDES NR J	C	Nine-digit alphanumeric identifier assigned to a facility by EPA's National Pollutant Discharge Elimination System (NPDES) permit program. *Note: In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R.* *Source:* **EPA's Facility Registry System**
65	PARENT COMPANY NAME	C	Name of the corporation or other business entity that controls the reporting facility. *Source:* **TRI_FACILITY.**PARENT_CO_NAME *Reference:* Part I, Section 5.1
66	PARENT COMPANY D&B NR	C	Unique identification number assigned by Dun and Bradstreet to the parent company of the reporting facility. *Source:* **TRI_FACILITY.**PARENT_CO_DB_NUM *Reference:* Part I, Section 5.2
67	STANDARDIZED PARENT COMPANY NAME	C	A data field developed by EPA that is intended to best reflect the current ultimate U.S. parent company for the facility. *Source:* **TRI_FACILITY**.STANDARDIZED_PARENT_COMPANY *Reference:* Assigned by EPA
68	FOREIGN PARENT COMPANY NAME	C	The current name of the foreign corporation or other business entity that controls the reporting facility. A facility can have both a domestic (see field 13) parent company and foreign parent company. Facilities with sole ownership or controlling interest inside the U.S. will not have a foreign parent company. A value of NA = No Foreign Company Name/Not applicable. *Source:* **TRI_FACILITY.**FOREIGN_PARENT_CO_NAME *Reference:* Part I, Section 5.3
69	FOREIGN PARENT COMPANY D&B NR	C	The current unique identification number assigned by Dun and Bradstreet to the foreign parent company of the reporting facility. *Source:* **TRI_FACILITY.**FOREIGN_PARENT_CO_DB_NUM *Reference:* Part I, Section 5.4
70	STANDARDIZED FOREIGN PARENT COMPANY NAME	C	The current standardized Foreign Parent Company Name assigned by TRI. 'Standardized Foreign Parent Company Name' is a data field developed by EPA that is intended to best reflect the current ultimate foreign parent company for the facility. *Source*: **TRI_FACILITY.** STANDARDIZED_FOREIGN_PARENT_CO *Reference*: Assigned by the TRI Program.

71	FRS FACILITY ID	C	Indicates the Facility Registry Service (FRS) ID for the TRI facility. The FRS is a centrally managed EPA database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. Using the FRS ID, data users can link data from different EPA programs together. *Source:* **TRI_FACILITY.EPA_REGISTRY_ID**
72	DOCUMENT CONTROL NUMBER	C	Unique identification number assigned to each TRI form submission. Format: TTYYNNNNNNNNN, where: TT = document type YY = reporting year NNNNNNNNN= assigned number *Source:* **TRI_REPORTING_FORM**.DOC_CTRL_NUM *Reference:* Assigned by EPA
73	CAS NUMBER	C	Unique numerical identifier assigned by the Chemical Abstracts Service to every chemical substance. *Note: CAS number 9999999999 is for sanitized trade secret submissions.* *Source:* **TRI_CHEM_INFO.**CAS_REGISTRY_NUMBER *Reference:* Part II, Section 1.1
74	TRI_CHEM_ID	C	TRI Chemical ID is an internal program number that uniquely identifies chemical or category codes (for compounds). The number is the same as the CAS number but with a different format (no dashes and left padded with zeroes for noncompounds). Format: 9999999999 (Chemicals) N999 (Compounds) *Note: I_CHEM_ID 9999999999 is sanitized for trade secret submissions.* *Source:* **TRI_REPORTING_FORM.**TRI_CHEM_ID *Reference:* Part II, Section 1.1
75	CHEMICAL NAME	C	Name of the chemical as listed on the TRI chemical list, or generic name, if the chemical is claimed as a trade secret. *Source:* **TRI_REPORTING_FORM.**CAS_CHEM_NAME *Reference:* Part II, Section 1.2 *or* Part II, Section 1.3
76	MIXTURE NAME	C	The generic term used in place of the chemical name when the supplier of the chemical is withholding the name of the TRI chemical or claiming that the chemical is a trade secret. This is generally used when the supplier of a chemical formulation wishes to keep the identity of a particular ingredient in the formulation a secret. It is only used when the supplier, not the reporting facility, is claiming the trade secret. The reporting facility will enter the chemical name as “Mixture”, then supply this generic name to describe it. *Source:* **TRI_REPORTING_FORM.**MIXTURE_NAME *Reference:* Part II, Section 2.1

77	ELEMENTAL METAL INCLUDED	C	Indicates whether the facility submitted a combined reporting form for a metal compound and the corresponding elemental metal. This data element collected beginning with RY 2018. VALUES: YES = combined reporting form submitted for both an elemental metal and a metal compound containing the same elemental metal; NO = only metal compound reported *Source:* **TRI_REPORTING_FORM.**ELEMENTAL_METAL_INCLUDED *Reference:* Part II, Section 1.2
78	CLASSIFICATION	C	Indicates the classification of the chemical. Chemicals can be classified as either a dioxin or dioxin-like compound, a Persistent, Bioaccumulative and Toxic chemical, or a general EPCRA Section 313 chemical. Values: {TRI, PBT, DIOXIN} where: TRI = General EPCRA Section 313 Chemical PBT = Persistent Bioaccumulative and Toxic DIOXIN = Dioxin or Dioxin-like compound *Source:* **TRI_CHEM_INFO.**CLASSIFICATION *Reference:* NONE
79	HAZARDOUS AIR POLLUTANT - HAPS	C	Flag indicating whether the chemical is listed as a hazardous air pollutant under the Clean Air Act (CAA). Yes = CAAC No = non-CAAC See Appendix B for a list of TRI chemicals covered under the Clean Air Act. *Source:* **TRI_CHEM_INFO.**CAAC_IND
80	CARCINOGEN	C	Flag indicating whether the chemical is classified as a carcinogen by the Occupational Safety and Health Administration (OSHA). Yes = CARC No = non-CARC See Appendix B for a list of TRI chemicals classified as OSHA carcinogens. *Source:* **TRI_CHEM_INFO.**CARC_IND
81	PFAS_IND	C	Flag indicating whether the chemical is a per- and polyfluoroalkyl substance (PFAS) or not. Yes = PFAS No = non-PFAS See Appendix B for a list of TRI chemicals classified as PFAS. *Source:* **TRI_CHEM_INFO.**PFAS_IND
82	METAL_IND	C	Flag indicating whether the chemical is a metal with TRI reporting restrictions. Yes = Metal with restrictions No = TRI chemical without reporting restrictions See Appendix B for a list of the metals on the TRI chemical list with reporting restrictions. *Source:* **TRI_CHEM_INFO.**METAL_IND

83	REVISION CODE 1	C	If the facility revises its original TRI reporting form for a chemical, the facility indicates the reason using revision codes. This is an 'RR' followed by a single digit. This data element was collected beginning in RY 2007. Values: RR1 = New Monitoring Data RR2 = New Emission Factors RR3 = New Chemical Concentration Data RR4 = Recalculation(s) RR5 = Other Reason(s) *Source:* **TRI_REPORTING_FORM.**REVISION_CODE
84	REVISION CODE 2	C	If the facility revises its original TRI reporting form for a chemical, the facility indicates the reason using revision codes. This is an 'RR' followed by a single digit. This data element was collected beginning in RY 2007. Values: RR1 = New Monitoring Data RR2 = New Emission Factors RR3 = New Chemical Concentration Data RR4 = Recalculation(s) RR5 = Other Reason(s) *Source:* **TRI_REPORTING_FORM.**REVISION_CODE
85	COMMENT SEQUENCE	C	A unique identification number assigned to each optional comment reported that also indicates the sequence in which comments are reported on the Form R. *Source:* **TRI_TRIPS_COMMENT**.COMMENT_SEQ *Reference*: Assigned by the TRI Program.
86	SECTION	C	The section of the Form R in which the comment is displayed. This value will be "8.11" for all entries in this file because this file only contains comments from Section 8.11. *Source:* **TRI_TRIPS_COMMENT**.SECTION
87	COMMENT TYPE CODE	C	Code indicating what type of comment is displayed in Section 8.11. Certain information from previous sections of the reporting form (about source reduction, recycling, energy recovery, treatment, and other pollution prevention activities) are auto populated in Section 8.11, and facilities have the option to edit this information and provide additional details. *Source:* **TRI_TRIPS_COMMENT**.COMMENT_TYPE
88	COMMENT TYPE DESCRIPTION	C	The description of the reporting code or comment category as it appears in the TRI Reporting Form and Instructions. *Source:* **TRI_CODE_DESC**.DESCRIPT *Where:* Table_Id = '24' and Comment_Type = Code
89	COMMENT TEXT	C	The complete text of the comment submitted by the facility and displayed in Section 8.11 of the Form R. *Source:* **TRI_TRIPS_COMMENT**.COMMENT_TEXT

90	P2 CLASSIFICATION	C	Indicates the topic category. For comments displayed in section 8.11, categories include source reduction, barriers to pollution prevention, other environmental practices, and miscellaneous. See Appendix C for a complete list of subcategories and descriptions. *Source:* **TRI_TRIPS_COMMENT**.P2_CLASSIFICATION *Reference*: Assigned by EPA

APPENDIX A – NAICS Code Assignments

Until RY 2006, the TRI Program used Standard Industrial Codes (SIC) to identify each reporting facility's industry sector. In RY 2006, the TRI Program began using North American Industry Classification System (NAICS) codes.

To allow for analysis of data across years, the TRI Program assigned NAICS codes to each TRI submission from 1987 through 2005. The six methods used to assign NAICS codes and the number and percentages of assignments per method are shown in the table below. The "Order of Precedence" column indicates the order in which the methods were used to make an assignment.

Method	Order of Precedence	Number of NAICS Codes Assigned via Method (in Thousands)	Percentage Per Method
Reported Data Used	1	821K	50%
SIC to NAICS Crosswalk	2	478K	29%
EPA Facility Registry System (FRS)	3	190K	11%
Commercial Sources	4	113K	7%
Statistics	5	51K	3%
Other Methods	6	2K	Less than 1 %

- Reported Data Used: This method was used to assign 50% of all NAICS codes. In this method, the primary NAICS code reported by each facility in RY 2006 was used to make an assignment to chemical submissions (Form Rs and Form As) for years 1987 to 2005. This method was only used under the following conditions:

  1. The RY 2006 chemical submitted had only one primary NAICS code reported
  2. The prior year submission(s) for the same chemical had only one primary SIC code consistently reported
  3. The SIC to NAICS Crosswalk (obtained for the U.S. Census Bureau) showed a one-to-one match between the reported SIC and NAICS codes

- This SIC to NAICS Crosswalk: In this method, the TRI Program used a crosswalk or lookup table that translated SIC codes into NAICS codes to assign a primary NAICS code to a pre-2006 TRI chemical submission. The primary SIC code reported on the TRI form was used to lookup the corresponding NAICS code. Not all SIC codes translated into only one NAICS code, so it was not possible to use this method to assign a NAICS code to each chemical submission. However, it was used to make 29% of all the assignments.

- EPA Facility Registry System (FRS): In this method, the TRI Program used NAICS codes found in EPA's Facility Registry System (FRS) to assign a primary NAICS code to each TRI chemical submission. This method was only used if FRS listed only one primary NAICS code for a facility. 11% of all assignments were made using this method.

- Commercial Sources: This method involved using various commercial services to verify NAICS code assignments. 7% of all assignments were made using this method.

- Statistics: For 3% of NAICS code assignments, the TRI Program used various statistical methods based on past and present data.

- Other Methods: Manual research (e.g., using Internet searches and other government agencies' data) and personally contacting facilities helped the TRI Program assign NAICS codes to approximately 2,000 TRI submissions.

APPENDIX B – Chemical Classifications

TRI Chemicals Classified as Hazardous Air Pollutants Under the Clean Air Act:

- https://www.epa.gov/epcra/consolidated-list-lists-under-epcracerclacaa-ss112r-april-2022-version

TRI Chemicals Classified as OSHA Carcinogens:

- www.epa.gov/sites/default/files/2019-11/documents/osha_carcinogen_basis_november_2019_update.pdf

TRI Chemicals Classified as Metals:

- https://ordspub.epa.gov/ords/guideme_ext/f?p=guideme:chemical-list-advanced-search:0

TRI Chemicals Classified as per- and polyfluoroalkyl substances (PFAS):

- www.epa.gov/toxics-release-inventory-tri-program/list-pfas-added-tri-ndaa

TRI Chemicals Classified as Persistent Bioaccumulative Toxic Chemicals (PBTs):

- www.epa.gov/toxics-release-inventory-tri-program/persistent-bioaccumulative-toxic-pbt-chemicals-covered-tri

Appendix C: Pollution Prevention Classification Categories

- **Source Reduction:** Optional comments categorized as "Source Reduction" provide additional detail about the newly implemented source reduction activities (w or s codes) and the methods used to identify the source reduction activities implemented reported under section 8.10 or are general comments that describe actions taken to prevent or reduce the amount of TRI chemicals entering any waste stream or otherwise released into the environment (including fugitive emissions) prior to recycling, energy recovery, treatment, or disposal. All optional comments are compiled in section 8.11.

- **Barriers to P2:** Optional comments categorized as Barriers to Pollution Prevention, "Barriers to P2" provide additional detail to the barrier codes (b codes) reported under section 8.10 or are general comments that describe barriers the facility faced in implementing additional source reduction during the reporting year. All optional comments are compiled in section 8.11.

- **Other Environmental Practices:** Optional comments categorized as "Other Environmental Practices" provide additional detail about on-site waste management activities implemented to prevent releases into the environment including recycling, energy recovery, and treatment reported under section 7. The category also covers general comments reported under section 8.11 related to recycling, energy recovery, treatment, methods used to identify waste management activities, barriers preventing the implementation of waste management activities and other actions including general environmental management or climate adaptation strategies. All optional comments are compiled in section 8.11.

- **Miscellaneous:** Optional comments categorized as "Miscellaneous" are not associated with the classifications described above, were reported in the category "Other optional pollution prevention information" and/or were reviewed and determined to not relate to source reduction, barriers to P2 or other environmental practices.