TOXICS RELEASE INVENTORY (TRI)

BASIC PLUS DATA FILES DOCUMENTATION

FILE TYPE 6: ADDITIONAL INFORMATION – MISCELLANEOUS AND OPTIONAL

Updated for RY 2019

September 2020

EPA United States Environmental Protection Agency

OVERVIEW OF TRI BASIC PLUS DATA FILES

The TRI "Basic Plus" data files include ten file types that collectively contain all the data fields from the TRI Reporting Form R and Form A (except Form R Schedule 1). The ten 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 6 CONTENTS

The "Type 6" file contains information from Section 9.1 of the Reporting Form R, in which facilities may choose to provide additional information related to any portion of their Form R submission. For example, a facility may choose to explain certain changes in its production levels, or indicate that it doesn't expect to meet TRI reporting thresholds for the following reporting year. Only Form R submissions that have this optional text in Section 9.1 are included in File Type 6.

All Type 6 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	9.1	Miscellaneous, Additional or Optional Information

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 6 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 6 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	TRI facility identification in the format zzzzznnnnnssssss, where usually zzzzz = facility zip code, nnnnn = first five consonants of the name, and sssss = first five non-specific characters in the street address. The three sections of the format were separated by hyphens prior to RY 2006. **NOTE:** *The content of this field is **not** changed to match facility ownership, or zip code changes. Rather, the TRI Facility ID identifies a specific geographical location which is 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 state code of the reporting facility. *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 the facility is on. *Source:* **TRI_FACILITY.**BIA_TRIBAL_CODE
11	TRIBE NAME	C	The name of the Tribe. *Source:* **V_INDIAN_COUNTRY.**

No.	Field Name	Type	Description
12	MAILING NAME	C	The first and second lines of 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	Indicates 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	Indicates whether the information covers an entire facility or part of a facility. Yes = partial No = entire *Source:* **TRI_REPORTING_FORM.**PARTIAL_FAC *Reference:* Part I, Section 4.2b
20	FEDERAL FACILITY IND	C	Code indicating whether a facility is a federal facility or not. Reported by the facility. Yes = Federal No = non-Federal Value *Source:* **TRI_REPORTING_FORM.**FEDERAL_FAC_IND *Reference:* Part I Section 4.2c
21	GOCO FACILITY IND	C	Code indicating whether a facility is GOCO (Government-Owned, Contractor-Operated) facility or not: Yes = GOCO No = non-GOCO *Source:* **TRI_REPORTING_FORM.**GOCO_FLAG *Reference:* Part I Section 4.2d
22	ASSIGNED FED. FACILITY FLAG	C	Code indicating whether the facility is federally owned or not. Assigned by TRI. Yes = Federal No = Non-Federal *Reference:* **TRI_FACILITY.** ASGN_FEDERAL

No.	Field Name	Type	Description
23	ASSIGNED PARTIAL FACILITY FLAG	C	Code indicating whether the facility is a multi-establishment and reports by part. Assigned by TRI. 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
24	PUBLIC CONTACT NAME	C	Name of the individual whom the public may contact if clarification of 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 four-digit Standard Industrial Classification (SIC) code. SIC codes 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 four-digit Standard Industrial Classification (SIC) code entered by facility. SIC codes 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 four-digit Standard Industrial Classification (SIC) code entered by facility. SIC codes 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 four-digit Standard Industrial Classification (SIC) code entered by facility. SIC codes 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 four-digit Standard Industrial Classification (SIC) code

No.	Field Name	Type	Description
			entered by facility. SIC codes 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 four-digit Standard Industrial Classification (SIC) code entered by facility. SIC codes 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 Industry Classification System (NAICS) codes were reported or assigned. R = Reported A = Assigned
35	PRIMARY NAICS CODE	C	Primary six-digit North American Standard Industry Classification System (NAICS) code. NAICS codes reported by facilities from RY 2006 to present. NAICS codes in prior years were assigned by EPA. See Appendix A – "NAICS Codes Assignments" for more details. *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* primary_ind = '1' *Reference:* Part I, Section 4.5a
36	NAICS CODE 2	C	Second six-digit North American Standard Industry Classification System (NAICS) code entered by facility. NAICS codes reported by facilities from RY 2006 to present. NAICS codes in prior years 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 six-digit North American Standard Industry Classification System (NAICS) code entered by facility. NAICS codes reported by facilities from RY 2006 to present. NAICS codes in prior years were assigned by EPA. *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* naics_sequence_num = '3' *Reference:* Part I, Section 4.5b
38	NAICS CODE 4	C	Forth six-digit North American Standard Industry Classification System (NAICS) code entered by facility. NAICS codes reported by facilities from RY 2006 to present. NAICS codes in prior years were assigned by EPA. *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* naics_sequence_num = '4' *Reference:* Part I, Section 4.5b
39	NAICS CODE 5	C	Fifth six-digit North American Standard Industry Classification System (NAICS) code entered by facility. NAICS codes reported by facilities from RY 2006 to present. NAICS codes in prior years were assigned by EPA. *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE

No.	Field Name	Type	Description
			Where: naics_sequence_num = '5' *Reference:* Part I, Section 4.5b
40	NAICS CODE 6	C	Sixth six-digit North American Standard Industry Classification System (NAICS) code entered by facility. NAICS codes reported by facilities from RY 2006 to present. NAICS codes in prior years were assigned by EPA. *Source:* **TRI_SUBMISSION_NAICS.**NAICS_CODE *Where:* naics_sequence_num = '6' *Reference:* Part I, Section 4.5b
41	LATITUDE	N	The latitude value that best represents the facility according to EPA's Facility Registry System (FRS). In RY 2005, EPA stopped collecting the latitude value and began obtaining it from FRS. Format: signed 2-digit whole number, 6 digit decimal positions (+nn.nnnnnn). *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). In 2005, TRI stopped collecting the longitude value and began obtaining it from FRS. Format: signed 3-digit whole number, 6 digit decimal positions (+nnn.nnnnnn). *Source:* **EPA's Facility Registry System**
43	D&B NR A	C	Unique identification number assigned by Dun and Bradstreet to the reporting facility. *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. *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). In RY 2005, TRI stopped collecting RCRA IDs on the 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). In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R. *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). In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R. *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). In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R. *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). In RY 2005,

No.	Field Name	Type	Description
			TRI stopped collecting RCRA IDs on the Reporting Form R. *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). In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R. *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). In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R. *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). In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R. *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). In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R. *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). In RY 2005, TRI stopped collecting RCRA IDs on the Reporting Form R. *Source:* **EPA's Facility Registry System**
55	NPDES NR A	C	Nine-digit alphanumeric identifier assigned to a facility in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES 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 in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES 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 in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES 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 in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES 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 in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES IDs on the Reporting Form R. *Source:* **EPA's Facility Registry System**

No.	Field Name	Type	Description
60	NPDES NR F	C	Nine-digit alphanumeric identifier assigned to a facility in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES 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 in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES 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 in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES 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 in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES 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 in EPA's National Pollutant Discharge Elimination System (NPDES). In RY 2005, TRI stopped collecting NPDES 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	The standardized parent company name assigned by the TRI Program. To improve data quality, the TRI Program standardizes the parent company names submitted by facilities on their reporting forms. *Source:* **TRI_FACILITY**.STANDARDIZED_PARENT_COMPANY
68	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**
69	DOCUMENT CONTROL NUMBER	C	Unique identification number assigned to each TRI submission by EPA. Format: TTYYMMMNNNNNC, where

No.	Field Name	Type	Description
			TT = document type YY = reporting year MMM = document type NNNNN= sequential number C = check digit *Source:* **TRI_REPORTING_FORM.**DOC_CTRL_NUM *Reference:* NA (System-generated)
70	CAS NUMBER	C	Chemical Abstracts Service (CAS) Registry Number for unique chemical, or category code (for compounds). **NOTE:** *CAS number 999999999 is for sanitized trade secret submissions; CHEM_NAME displays the reported generic chemical name.* *Source:* **TRI_REPORTING_FORM.**TRI_CHEM_ID *Reference:* Part II, Section 1.1
71	CHEMICAL NAME	C	Name of the chemical 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
72	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. 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
73	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
74	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

No.	Field Name	Type	Description
			Source: **TRI_CHEM_INFO.**CLASSIFICATION *Reference:* NONE
75	METAL_IND	C	Code indicating whether the chemical is a metal or not. Yes = Metal No = Non-Metal See "Appendix B -Chemical Classifications – Metals" for a list of TRI Chemical metals. *Source:* **TRI_CHEM_INFO.**METAL_IND
76	REVISION CODE 1	C	If the facility revised its original TRI reporting form for this chemical, this code indicates the reason for the revision. 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_
77	REVISION CODE 2	C	If the facility revised its original TRI reporting form for this chemical, this code indicates the reason for the revision. 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_
78	COMMENT SEQUENCE	C	This column shows the sequence in which the comments were reported. *Source:* **TRI_TRIPS_COMMENT**.COMMENT_SEQ
79	SECTION	C	The section of the Form R or Form A in which the comment was reported. This value will be "9.1" for Form R and "9.2" for Form A. *Source:* **TRI_TRIPS_COMMENT**.SECTION
80	COMMENT TYPE	C	A code indicating what type of comment was reported. *Source:* **TRI_TRIPS_COMMENT**.COMMENT_TYPE
81	COMMENT TYPE DESCRIPTION	C	The full description of the comment type. *Source:* **TRI_CODE_DESC**.DESCRIPT *Where:* Table_Id = '24' and Comment_Type = Code
82	COMMENT TEXT	C	The comment submitted by the facility in Section 9.1 of the Form R or 9.2 of the Form A. *Source:* **TRI_TRIPS_COMMENT**.COMMENT_TEXT

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 – 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 method was used to assign 50% of all NAICS codes.

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 Classification - Metals

Category 1 Metals (Metal_Ind = '1')

Chemical	CAS#	TRI Chemical ID
ANTIMONY	7440-36-0	007440360
ANTIMONY COMPOUNDS	N010	N010
ARSENIC	7440-38-2	007440382
ARSENIC COMPOUNDS	N020	N020
BERYLLIUM	7440-41-7	007440417
BERYLLIUM COMPOUNDS	N050	N050
CADMIUM	7440-43-9	007440439
CADMIUM COMPOUNDS	N078	N078
CHROMIUM	7440-47-3	007440473
CHROMIUM COMPOUNDS (EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	N090	N090
COBALT	7440-48-4	007440484
COBALT COMPOUNDS	N096	N096
COPPER	7440-50-8	007440508
COPPER COMPOUNDS	N100	N100
LEAD	7439-92-1	007439921
LEAD COMPOUNDS	N420	N420
MANGANESE	7439-96-5	007439965
MANGANESE COMPOUNDS	N450	N450
MERCURY	7439-97-6	007439976
MERCURY COMPOUNDS	N458	N458
NICKEL	7440-02-0	007440020
NICKEL COMPOUNDS	N495	N495
SELENIUM	7782-49-2	007782492
SELENIUM COMPOUNDS	N725	N725
SILVER	7440-22-4	007440224
SILVER COMPOUNDS	N740	N740
THALLIUM	7440-28-0	007440280

THALLIUM COMPOUNDS	N760	N760
VANADIUM COMPOUNDS	N770	N770
ZINC COMPOUNDS	N982	N982

APPENDIX B – Chemical Classification - Metals (cont.)

Category 2 Metals (Metal_Ind = '2')

Chemical	CAS#	TRI Chemical ID
ALUMINUM OXIDE (FIBROUS FORMS)	1344-28-1	001344281
ALUMINUM PHOSPHIDE	20859-73-8	020859738
ASBESTOS (FRIABLE)	1332-21-4	001332214
BIS(TRIBUTYLTIN) OXIDE	56-35-9	000056359
BORON TRICHLORIDE	10294-34-5	010294345
BORON TRIFLUORIDE	7637-07-2	007637072
C.I. DIRECT BLUE 218	28407-37-6	028407376
C.I. DIRECT BROWN 95	16071-86-6	016071866
FENBUTATIN OXIDE	13356-08-6	013356086
FERBAM	14484-64-1	014484641
IRON PENTACARBONYL	13463-40-6	013463406
LITHIUM CARBONATE	554-13-2	000554132
MANEB	12427-38-2	012427382
METIRAM	9006-42-2	009006422
MOLYBDENUM TRIOXIDE	1313-27-5	001313275
OSMIUM TETROXIDE	20816-12-0	020816120
POTASSIUM BROMATE	7758-01-2	007758012
SODIUM NITRITE	7632-00-0	007632000
THORIUM DIOXIDE	1314-20-1	001314201
TITANIUM TETRACHLORIDE	7550-45-0	007550450
TRIBUTYLTIN FLUORIDE	1983-10-4	001983104
TRIBUTYLTIN METHACRYLATE	2155-70-6	002155706
TRIPHENYLTIN CHLORIDE	639-58-7	000639587
TRIPHENYLTIN HYDROXIDE	76-87-9	000076879
ZINEB	12122-67-7	012122677

Category 3 Metals (Metal_Ind = '3')

Chemical	CAS#	TRI Chemical ID
BARIUM	7440-39-3	007440393

BARIUM COMPOUNDS	N040	N040

Category 4 Metals (Metal_Ind = '4')

Chemical	CAS#	TRI Chemical ID
ALUMINUM (FUME OR DUST)	7429-90-5	007429905
VANADIUM (EXCEPT WHEN CONTAINED IN AN ALLOY)	7440-62-2	007440622
ZINC (FUME OR DUST)	7440-66-6	007440666