TOXICS RELEASE INVENTORY

BASIC PLUS DATA FILES DOCUMENTATION

FILE TYPE 1: FACILITY, CHEMICAL, RELEASES & OTHER WASTE MANAGEMENT SUMMARY INFORMATION

Updated for RY 2016

August 2017

OVERVIEW

File	Example	Description of Contents	Form R or A Reference
Type 1	CA_1_2015_v15.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, reporting year and version number.

File Name = State + File_Type + Reporting Year + Version number

For example, the file "CA_1_2015_v15.txt" contains the Facility, Chemical Identification, Chemical uses, On-site Releases and Management, Off-site Transfers and Summary Information (File Type 1) for all facilities located in California (CA) for reporting year 2015. The version number is "v15." The "v15" signifies that the file was created with Reporting Year 2015 data.

In addition to the set of files for each state, there are also two more file sets. There is a Federal file set (FED_1_2015_v15.txt, FED_2A_2015_v15.txt, etc.) which contains data for all government owned and operated federal sites. The National Data File set contains all the TRI data (for all states and U.S. Territories) for a specific year. The national data files are named US_1_2015_v15.txt, US_2A_2015_v15.txt, etc.

Many of the data elements described in the Basic Plus Data Files documentation refer to the TRI Form R and Form A Certification Statement, which are the forms facilities use to submit data to the TRI Program. The TRI Reporting Forms and Instructions document contains copies of the forms and the complete instructions for filling them out. The Reporting Forms and Instructions is available at https://www.epa.gov/toxics-release-inventory-tri-program/archived-tri-reporting-forms-and-instructions. Complete lists of values for many of the data fields in the Basic Plus Data Files can be found in this document.

DETAILED DESCRIPTION FOR FILE TYPE 1

The "Type 1" file contains the bulk of the data found on the Reporting Form R and is the most used of the Basic Plus Data Files. It contains information about Facilities, Chemicals, On-site Releases, POTW quantities, Off-site Transfer and Disposal quantities, On-site Energy Recovery Processes, On-site Recycling Processes and Source Reduction and Recycling Activities.

Each record in this file represents data from a single chemical reporting form (Form R or Form A Certification Statement) submitted by a facility. Thus, this file contains records for all chemicals that were reported to TRI from a specific state and reporting year.

Specific Contents: This file contains data from the following parts and sections of the Form R and the Form A Certification Statement.

Part	Section	Description
I	1	Reporting Year
I	1	Revision Codes
I	2	Trade Secret Data
I	3	Form Certification Data
I	4	Facility Identification Information
I	5	Parent Company Information
II	1	Chemical Identification Data
II	3	Activities and Uses of the Toxic Chemical
II	4	Maximum Quantity of the Chemical On-site at any one time
II	5	On-site Release data – Amounts Released and Water Bodies released into
II	6.1.A	Total Transfer Quantity to Publicly Owned Treatment Works
II	6.2ABC	Off-site transfer data including quantities, estimate basis and type of disposal or treatment
II	7B	On-site Energy Recovery Processes
II	7C	On-site Recycling Processes
II	8.2.B, 8.4.B, 8.6.B	Amounts Recovered, Recycled and Treated ON-SITE for the current year

FIELD DESCRIPTIONS

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 Files (i.e, the Basic Data Files record structure).

Column	**Description**
Number (No.)	The sequential number of the data element in the record
Field Name	The TRI system field name of the data element
Data Type	'C' for character data (alphanumeric) 'N' for numeric data 'D' for date

Description	A brief statement of what the data element represents along with its TRI System *Source* (in **Table Name**. Field Name format) and the Form R reference

The data fields in each of the seven files are delimited by tab, meaning a tab is placed between each data element.

The first record (row) of each file contains column headers or field names.

No.	Field Name	Type	Description
1	FORM TYPE	C	An indicator identifying whether 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	TRADE SECRET INDICATOR	C	Indicates whether the reporting facility claims the identity of the chemical or chemical category as a trade secret. Yes = Checked (Trade Secret) No = Not checked Note: Only Sanitized Trade Secret submissions are stored in the TRI database. *Source:* **TRI_REPORTING_FORM.** TRADE_SECRET_IND *Reference*: Part I, Section 2.1
4	SANITIZED INDICATOR	C	Indicates whether the reporting facility has sanitized trade secret information. Yes = Checked (form information sanitized) No = Not checked *Source:* **TRI_REPORTING_FORM.** SANITIZED_IND *Reference*: Part I, Section 2.2
5	TITLE OF CERTIFYING OFFICIAL	C	The corporate title of senior official certifying the accuracy and completeness of information on the submission. *Source:* **TRI_REPORTING_FORM.** CERTIF_OFFICIAL_TITLE *Reference:* Part I, Section 3
6	NAME OF CERTIFYING OFFICIAL	C	The name of the senior official certifying the accuracy and completeness of the information on the submission. *Source:* **TRI_REPORTING_FORM.** CERTIF_NAME *Reference:* Part I, Section 3
7	CERTIFYING OFFICIAL'S SIGNATURE INDICATOR	C	Indicates whether the certifying signature is provided. Possible values are: Original = original signature Photocopy = photocopy of signature No Signature = no signature Electronic = electronic signature FDP Response = signed facility data profile Fax = signature on fax Stamp = stamped signature NA = not applicable- magnetic media submission *Source:* **TRI_REPORTING_FORM.** CERTIF_SIGNATURE *Reference:* Part I, Section 3
8	DATE SIGNED	D	The date of the certifying signature. The format is YY-MM-DD. *Source*: **TRI_REPORTING_FORM.** CERTIF_DATE_SIGNED *Reference:* Part I, Section 3

No.	Field Name	Type	Description
9	TRIFD	C	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
10	FACILITY NAME	C	Name of the reporting facility. *Source:* **TRI_FACILITY.** FACILITY_NAME *Reference:* Part I, Section 4.1
11	FACILITY STREET	C	Street address of the reporting facility. *Source:* **TRI_FACILITY.** STREET_ADDRESS *Reference:* Part I, Section 4.1
12	FACILITY CITY	C	City in which the reporting facility is located. *Source:* **TRI_FACILITY.** CITY_NAME *Reference:* Part I, Section 4.1
13	FACILITY COUNTY	C	County in which the reporting facility is located. *Source:* **TRI_FACILITY.** COUNTY_NAME *Reference:* Part I, Section 4.1
14	FACILITY STATE	C	Two-letter state code of the reporting facility. *Source:* **TRI_FACILITY.** STATE_ABBR *Reference:* Part I, Section 4.1
15	FACILITY ZIP CODE	C	ZIP code of the reporting facility. *Source:* **TRI_FACILITY.** ZIP_CODE *Reference:* Part I, Section 4.1
16	BIA CODE	C	Three-letter code indicating the tribal land a facility is on. *Source:* **FACILITY.** BIA_TRIBAL_CODE
17	TRIBE	C	The name of the Tribe. *Source:* **V_INDIAN_COUNTRY.**
18	MAILING NAME	C	The first and second lines of the mailing name for the facility. *Source:* **TRI_FACILITY.** MAIL_NAME
19	MAILING STREET	C	Street address of the reporting facility's mailing address *Source:* **TRI_FACILITY.** MAIL_STREET_ADDRESS *Reference:* Part I, Section 4.1
20	MAILING CITY	C	City name provided by the reporting facility to which mail may be sent. *Source:* **TRI_FACILITY.** MAIL_CITY *Reference:* Part I, Section 4.1
21	MAILING STATE	C	State of the reporting facility's mailing address.

No.	Field Name	Type	Description
			Source: **TRI_FACILITY.** MAIL_STATE_ABBR *Reference:* Part I, Section 4.1
22	MAILING PROVINCE	C	Province of the reporting facility's mailing address. *Source:* **TRI_FACILITY.** MAIL_PROVINCE *Reference:* Part I, Section 4.1
23	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
24	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
25	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
26	FEDERAL FACILITY IND	C	Code indicating whether a facility is a federal facility or not. Reported by facility. Yes = Federal No = non-Federal Value *Source:* **TRI_REPORTING_FORM.** FEDERAL_ FAC_IND *Form R:* Part I Section 4.2c
27	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 *Form R:* Part I Section 4.2d
28	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
29	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
30	PRIMARY SIC CODE	C	Primary four-digit Standard Industrial Classification (SIC) Code. *Source:* **TRI_SUBMISSION_SIC.** SIC_CODE *Where:* primary_ind = >1' *Reference:* Part I, Section 4.5a

No.	Field Name	Type	Description
31	SIC CODE 2	C	Second four-digit Standard Industrial Classification (SIC) Code entered by facility. *Source:* **TRI_SUBMISSION_SIC.** SIC_CODE *Where:* sic_sequence_num = >2' *Reference:* Part I, Section 4.5b
32	SIC CODE 3	C	Third four-digit Standard Industrial Classification (SIC) Code entered by facility. *Source:* **TRI_SUBMISSION_SIC.** SIC_CODE *Where:* sic_sequence_num = >3' *Reference:* Part I, Section 4.5c
33	SIC CODE 4	C	Fourth four-digit Standard Industrial Classification (SIC) Code entered by facility. *Source:* **TRI_SUBMISSION_SIC.** SIC_CODE *Where:* sic_sequence_num = >4' *Reference:* Part I, Section 4.5d
34	SIC CODE 5	C	Fifth four-digit Standard Industrial Classification (SIC) entered by facility. *Source:* **TRI_SUBMISSION_SIC.** SIC_CODE *Where:* sic_sequence_num = >5' *Reference:* Part I, Section 4.5e
35	SIC CODE 6	C	Sixth four-digit Standard Industrial Classification (SIC) entered by facility. *Source:* **TRI_SUBMISSION_SIC.** SIC_CODE *Where:* sic_sequence_num = >6' *Reference:* Part I, Section 4.5f
36	NAICS ORIGIN	C	Indicates whether NAICS codes were reported or assigned R = Reported A = Assigned
37	PRIMARY NAICS CODE	C	Primary six-digit North American Standard Industry Classification System (NAICS) Code. *Source:* **TRI_SUBMISSION_NAICS.** NAICS_CODE *Where:* primary_ind => 1 *Reference:* Part I, Section 4.5a
38	NAICS CODE 2	C	Second six-digit North American Standard Industry Classification System (NAICS) Code entered by facility *Source:* **TRI_SUBMISSION_NAICS.** NAICS_CODE *Where:* naics_sequence_num = 2 *Reference:* Part I, Section 4.5b
39	NAICS CODE 3	C	Third six-digit North American Standard Industry Classification System (NAICS) Code entered by facility. *Source:* **TRI_SUBMISSION_NAICS.** NAICS_CODE *Where:* naics_sequence_num = 3 *Reference:* Part I, Section 4.5b
40	NAICS CODE 4	C	Forth six-digit North American Standard Industry Classification System (NAICS) Code entered by facility *Source:* **TRI_SUBMISSION_NAICS.** NAICS_CODE

No.	Field Name	Type	Description
			Where: naics_sequence_num = 4 *Reference:* Part I, Section 4.5b
41	NAICS CODE 5	C	Fifth six-digit North American Standard Industry Classification System (NAICS) Code entered by facility *Source:* **TRI_SUBMISSION_NAICS.** NAICS_CODE *Where:* naics_sequence_num = 5 *Reference:* Part I, Section 4.5b
42	NAICS CODE 6	C	Sixth six-digit North American Standard Industry Classification System (NAICS) Code entered by facility *Source:* **TRI_SUBMISSION_NAICS.** NAICS_CODE *Where:* naics_sequence_num = 6 *Reference:* Part I, Section 4.5b
43	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**
44	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**
45	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
46	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
47	RCRA NR A	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act. 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 B	C	Twelve-digit alphanumeric identifier assigned by EPA per the Resource Conservation and Recovery Act. 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	NPDES NR A	C	Nine-digit alphanumeric identifier assigned to a facility in EPA's National Pollutant Discharge Elimination System. In RY 2006, TRI stopped collecting NPDES IDs and began obtaining them from EPA's Facility Registry System (FRS).

No.	Field Name	Type	Description
			Source: **EPA's Facility Registry System**
50	NPDES NR B	C	Nine-digit alphanumeric identifier assigned to a facility in EPA's National Pollutant Discharge Elimination System. In RY 2006, TRI stopped collecting NPDES IDs and began obtaining them from EPA's Facility Registry System (FRS). *Source:* **EPA's Facility Registry System**
51	UIC NR A	C	Underground injection identification number, assigned by EPA or the state, to a facility. In RY 2006, TRI stopped collecting UIC IDs and began obtaining them from EPA's Facility Registry System (FRS). *Source:* **EPA's Facility Registry System**
52	UIC NR B	C	Underground injection identification number, assigned by EPA or the state, to a facility. In RY 2006, TRI stopped collecting UIC IDs and began obtaining them from EPA's Facility Registry System (FRS). *Source:* **EPA's Facility Registry System**
53	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
54	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
55	DOCUMENT CONTROL NUMBER	C	Unique identification number assigned to each submission by EPA. Format: TTYYMMMNNNNNC, where 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)
56	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
57	CHEMICAL NAME	----	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
58	CLASSIFICATION	C	Indicates the classification of the chemical. Chemicals can be classified as either a Dioxin or Dioxin-like compound, a

No.	Field Name	Type	Description
			Persistent, Bioaccumulative and Toxic chemical or a general EPCRA Section 313 chemical. Values: {TRI, PBT, DIOXIN} where: TRI = General EPCRA Section 313 Chem. PBT = Bioaccumulative and Toxic DIOXIN = Dioxin or Dioxin-like compound *Source:* **TRI_CHEM_INFO.** CLASSIFICATION *Reference:* NONE
59	UNIT OF MEASURE	C	Indicates the unit of measure used to quantify the chemical. Values: {Pounds, Grams} *Source:* **TRI_CHEM_INFO.** UNIT_OF_MEASURE *Reference:* NONE
60	DIOXIN DISTRIBUTION 1	N	Indicates the percentage of 1,2,3,4,6,7,8 Heptachlorodibenzofuran (CAS # 67562-39-4) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_1 *Reference:* Part II, Section 1.4
61	DIOXIN DISTRIBUTION 2	N	Indicates the percentage of 1,2,3,4,7,8,9 Heptachlorodibenzofuran (CAS # 55673-89-7) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_2 *Reference:* Part II, Section 1.4
62	DIOXIN DISTRIBUTION 3	N	Indicates the percentage of 1,2,3,4,7,8 Hexachlorodibenzofuran (CAS # 70648-26-9) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_3 *Reference:* Part II, Section 1.4
63	DIOXIN DISTRIBUTION 4	N	Indicates the percentage of 1,2,3,6,7,8 Hexachlorodibenzofuran (CAS # 57117-44-9) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_4 *Reference:* Part II, Section 1.4
64	DIOXIN DISTRIBUTION 5	N	Indicates the percentage of 1,2,3,7,8,9 Hexachlorodibenzofuran (CAS # 72918-21-9) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_5 *Reference:* Part II, Section 1.4
65	DIOXIN DISTRIBUTION 6	N	Indicates the percentage of 2,3,4,6,7,8

No.	Field Name	Type	Description
			Hexachlorodibenzofuran (CAS # 60851-34-5) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_6 *Reference:* Part II, Section 1.4
66	DIOXIN DISTRIBUTION 7	N	Indicates the percentage of 1,2,3,4,7,8 Hexachlorodibenzo-p-dioxin (CAS # 39227-28-6) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_7 *Reference:* Part II, Section 1.4
67	DIOXIN DISTRIBUTION 8	N	Indicates the percentage of 1,2,3,6,7,8 Hexachlorodibenzo-p-dioxin (CAS # 5765385-7) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0. and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_8 *Reference:* Part II, Section 1.4
68	DIOXIN DISTRIBUTION 9	N	Indicates the percentage of 1,2,3,7,8,9 Hexachlorodibenzo-p-dioxin (CAS # 19408-74-3) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_9 *Reference:* Part II, Section 1.4
69	DIOXIN DISTRIBUTION 10	N	Indicates the percentage of 1,2,3,4,6,7,8 Heptachlorodibenzo-p-dioxin (CAS # 35822-46-9) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_10 *Reference:* Part II, Section 1.4
70	DIOXIN DISTRIBUTION 11	N	Indicates the percentage of 1,2,3,4,6,7,8,9 Octachlorodibenzofuran (CAS # 39001-02-0) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_11 *Reference:* Part II, Section 1.4
71	DIOXIN DISTRIBUTION 12	N	Indicates the percentage of 1,2,3,4,6,7,8,9 Octachlorodibenzo-p-dioxin (CAS # 03268-87-9) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_12 *Reference:* Part II, Section 1.4
72	DIOXIN DISTRIBUTION 13	N	Indicates the percentage of 1,2,3,7,8 Pentachlorodibenzofuran (CAS # 57117-41-6) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and

No.	Field Name	Type	Description
			100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_13 *Reference:* Part II, Section 1.4
73	DIOXIN DISTRIBUTION 14	N	Indicates the percentage of 2,3,4,7,8 Pentachlorodibenzofuran (CAS # 57117-31-4) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_14 *Reference:* Part II, Section 1.4
74	DIOXIN DISTRIBUTION 15	N	Indicates the percentage of 1,2,3,7,8 Pentachlorodibenzo-p-dioxin (CAS # 40321-76-4) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_15 *Reference:* Part II, Section 1.4
75	DIOXIN DISTRIBUTION 16	N	Indicates the percentage of 2,3,7,8 Tetrachlorodibenzofuran (CAS # 51207-31-9) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_16 *Reference:* Part II, Section 1.4
76	DIOXIN DISTRIBUTION 17	N	Indicates the percentage of 2,3,78 Tetrachlorodibenzo-p-dioxin (CAS # 01746-01-6) in the reported Dioxin or Dioxin-li compound. Values are either 0 or a number between 0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_17 *Reference:* Part II, Section 1.4
77	PRODUCE THE CHEMICAL	C	Indicates whether the chemical is produced at this facility Yes = produced here No = not produced here *Source:* **TRI_CHEM_ACTIVITY.** PRODUCE *Reference:* Part II, Section 3.1a
78	IMPORT THE CHEMICAL	C	Indicates whether the chemical is imported at this facility Yes = imported No = not imported *Source:* **TRI_CHEM_ACTIVITY.** IMPORTED *Reference:* Part II, Section 3.1b
79	ON-SITE USE	C	Indicates whether the chemical is produced or imported on-site for use at this facility. Yes = on-site use No = not used on-site *Source:* **TRI_CHEM_ACTIVITY.** USED_ PROCESSED *Reference:* Part II, Section 3.1c
80	SALE OR DISTRIBUTION	C	Indicates whether the chemical is produced or imported at this facility for sale or distribution.

No.	Field Name	Type	Description
			Yes = imported for sale No = not imported for sale *Source:* **TRI_CHEM_ACTIVITY.** SALE_ DISTRIBUTION *Reference:* Part II, Section 3.1d
81	AS A BYPRODUCT	C	Indicates whether the chemical is produced or imported at this facility as a byproduct. Yes = byproduct No = not byproduct *Source:* **TRI_CHEM_ACTIVITY.** BYPRODUCT *Reference:* Part II, Section 3.1e
82	AS A MANUFACTURED IMPURITY	C	Indicates whether the chemical is produced or imported at this facility as an impurity. Formerly known as "AS AN IMPURITY" in RY 1999. Yes = impurity No = not impurity *Source:* **TRI_CHEM_ACTIVITY.** MANUFACTURE_IMPURITY *Reference:* Part II, Section 3.1f
83	AS A REACTANT	C	Indicates whether the chemical is at this facility as a reactant. Yes = reactant No = not reactant *Source:* **TRI_CHEM_ACTIVITY.** REACTANT *Reference:* Part II, Section 3.2a
84	AS A FORMULATION COMPONENT	C	Indicates whether the facility adds the reported chemical product or product mixture prior to further distribution product to act as a performance enhancer during the use the product. Includes, but not limited to, additives, dyes reaction diluents, initiators, solvents, inhibitors, emulsifiers, surfactants, lubricants, flame retardants, and rheological modifiers. Yes = formulation component No = not formulation component *Source:* **TRI_CHEM_ACTIVITY.** FORMULATION_ COMPONENT *Reference:* Part II, Section 3.2b
85	AS AN ARTICLE COMPONENT	C	Indicates whether the facility uses the reported chemical as an integral component of an article distributed for industrial, trade, or consumer use. Yes = integral component No = not integral component *Source:* **TRI_CHEM_ACTIVITY.** ARTICLE_COMPONENT *Reference:* Part II, Section 3.2c
86	REPACKAGING	C	Indicates whether the chemical is processed at this facility for repackaging for distribution in commerce in a different state, or quantity. Yes = repackaged

No.	Field Name	Type	Description
			No = not repackaged *Source:* **TRI_CHEM_ACTIVITY.** REPACKAGING *Reference:* Part II, Section 3.2d
87	AS A PROCESS IMPURITY	C	Indicates whether the facility processed the reported chemical but did not separate it and it remains as an impurity in the mixture or trade name product. Yes = Process Impurity No = Not a Process Impurity *Source:* **TRI_CHEM_ACTIVITY.** PROCESS_ IMPURITY *Reference:* Part II, Section 3.2e
88	AS A CHEMICAL PROCESSING AID	C	Indicates whether the chemical is used at this facility as a chemical processing aid by adding the reported chemical reaction mixture or synthesis of another chemical substance without intending for it to remain as a part of the mixture. Yes = processing aid No = not a processing aid *Source:* **TRI_CHEM_ACTIVITY.** CHEM_PROCESSING_AID *Reference:* Part II, Section 3.3a
89	AS A MANUFACTURING AID	C	Indicates whether the chemical is used at this facility to aid the manufacturing process, without intending for it to be part of the resulting product or the reaction mixture, during the manufacture or synthesis of another chemical substance. Yes = manufacturing aid No = not a manufacturing aid *Source:* **TRI_CHEM_ACTIVITY.** MANUFACTURE *Reference:* Part II, Section 3.3b
90	ANCILLARY OR OTHER USE	C	Indicates whether the chemical is used at this facility for purposes other than aiding chemical processing or manufacturing. Includes, but not limited to, cleaners, degreasers, lubricants, fuels, and chemicals used for treating wastes. Yes = for ancillary or other use No = not for ancillary or other use *Source:* **TRI_CHEM_ACTIVITY.** ANCILLARY *Reference:* Part II, Section 3.3c
91	MAXIMUM AMOUNT ON SITE	C	This code indicates the maximum quantity of the chem the facility at any time during the calendar year. Includes sum of all on-site locations within any reporting facility *Source:* **TRI_REPORTING_FORM** MAX_AMOUNT_OF_CHEM *Reference:* Part II, Section 4.1

No.	Field Name	Type	Description
92	FUGITIVE AIR EMISSIONS – TOTAL RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released to the environment from the reporting facility. Range codes may be used for releases of less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.1.A
93	FUGITIVE AIR EMISSIONS – TOTAL RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.1.A
94	TOTAL FUGITIVE AIR EMISSIONS	N	System-generated total fugitive air emissions in pounds/year. If the field FUGITIVE AIR EMISSIONS – TOTAL RELEASE POUNDS (#92) is not blank, its contents are used as the total. If it is blank, the middle of the range code used in the field FUGITIVE AIR EMISSIONS – TOTAL RELEASE RANGE CODE (#93) is used for the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
95	FUGITIVE OR NON-POINT AIR EMISSIONS - BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.1.B
96	STACK AIR EMISSIONS – RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released to the environment from the reporting facility. Range codes may be used for releases of less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.2.A

No.	Field Name	Type	Description
97	STACK AIR EMISSIONS – RELEASE RANGE CODE	C	For releases less than 1,000 pounds, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.2.A
98	TOTAL STACK AIR EMISSIONS	N	System-generated total stack air emissions in pounds/year. If the field STACK AIR EMISSIONS – RELEASE POUNDS (# 96) is not blank, its contents are used as the total. If blank, the middle of the range for the code used in the field STACK AIR EMISSIONS – RELEASE RANGE CODE (#97) is used for the total emission value. *Source:***TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
99	STACK OR POINT AIR EMISSIONS - BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.2.B
100	TOTAL AIR EMISSIONS	N	System-generated by adding the contents of the TOTAL FUGITIVE AIR EMISSIONS (#94) and TOTAL STACK AIR EMISSIONS (#98). *Source:* System-generated *Reference:* None
101	DISCHARGES TO STREAM A - STREAM NAME	C	The name of the first receiving stream or water body as it appears on the NPDES permit for the facility. *Source:* **TRI_WATER_STREAM.** STREAM_NAME *Reference:* Part II, Section 5.3.1

No.	Field Name	Type	Description
102	DISCHARGES TO STREAM A - RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released into the stream or water body from the reporting facility. Range codes may be used for releases less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3.1.A
103	DISCHARGES TO STREAM A - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.3.1.A
104	TOTAL DISCHARGES TO STREAM A	N	System-generated total release to the first reported stream/ water body in pounds/year. If the field DISCHARGES STREAM A – RELEASE POUNDS (#102) is not blank, its contents are used as the total. If it is blank, the middle range for the code used in the field DISCHARGES TO STREAM A – RELEASE RANGE CODE (#103) is used as the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
105	DISCHARGES TO STREAM A – BASIS OF ESTIMATE	C	A code indicating the principal method by which the tot release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.3.1.B
106	DISCHARGES TO STREAM A - % FROM STORMWATER	N	The percentage of the total quantity (by weight) of the chemical released to water that is contributed by storm water runoff. The value is 0 through 100. *Source:* **TRI_WATER_STREAM.** STORM_WATER_PERCENT *Reference:* Part II, Section 5.3.1.C

No.	Field Name	Type	Description
107	DISCHARGES TO STREAM B – STREAM NAME	C	The name of the second receiving stream or water body reported as it appears on the NPDES permit for the facility. *Source:* **TRI_WATER_STREAM.**STREAM_NAME *Reference:* Part II, Section 5.3.2
108	DISCHARGES TO STREAM B – RELEASE POUNDS	N	Provides an estimate of the total amount of toxic chemical (pounds/year) released into the stream or water body from the reporting facility. Range codes may be used for releases less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3.2.A
109	DISCHARGES TO STREAM B - RELEASE RANGE CODE	C	For releases less than 1,000 pounds, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.3.2.A
110	TOTAL DISCHARGES TO STREAM B	N	System-generated total releases to the second reported stream or water body in pounds/year. If the field DISCHARGE STREAM B – RELEASE POUNDS (#108) is not blank, its contents are used as the total. If it is blank, the middle range for the code used in the field DISCHARGES TO STREAM B – RELEASE RANGE CODE (# 109) is used as the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
111	DISCHARGES TO STREAM B – BASIS OF ESTIMATE	C	A code indicating the principal method by which the tot release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.3.2.B

No.	Field Name	Type	Description
112	DISCHARGES TO STREAM B – % FROM STORMWATER	N	The percentage of the total quantity (by weight) of the chemical released to water that is contributed by storm runoff. The value is 0 through 100. *Source:* **TRI_WATER_STREAM.** STORM_WATER_PERCENT *Reference:* Part II, Section 5.3.2.C
113	DISCHARGES TO STREAM C – STREAM NAME	C	The name of the third receiving stream or water body reported as it appears on the NPDES permit for the facility. *Source:* **TRI_WATER_STREAM.** STREAM_NAME *Reference:* Part II, Section 5.3.3
114	DISCHARGES TO STREAM C – RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released into the stream or water body from the reporting facility. Range codes may be used for releases less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3.3.A
115	DISCHARGES TO STREAM C – RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.3.3.A
116	TOTAL DISCHARGES TO STREAM C	N	System-generated total release to the third reported stream or water body in pounds/year. If the field DISCHARGES STREAM C – RELEASE POUNDS (# 114) is not blank, its contents are used as the total. If it is blank, the middle range for the code used in the field DISCHARGES TO STREAM C – RELEASE RANGE CODE (#115) is used as the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
117	DISCHARGES TO STREAM C – BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable

No.	Field Name	Type	Description
			O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.3.3.B
118	DISCHARGES TO STREAM C - % FROM STORMWATER	N	Percentage of the total quantity (by weight) of the chemical released to water that is contributed by storm water runoff. The value is 0 through 100. *Source:* **TRI_WATER_STREAM.** STORM_WATER_PERCENT *Reference:* Part II, Section 5.3.3.C
119	DISCHARGES TO STREAM D – STREAM NAME	C	Name of the fourth receiving stream or waterbody reported as it appears on the NPDES permit for the facility. *Source:* **TRI_WATER_STREAM.** STREAM_NAME *Reference:* Part II, Section 5.3 (continued)
120	DISCHARGES TO STREAM D – RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released into the stream or water body from the reporting facility. Range codes may be used for releases less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3 (continued)
121	DISCHARGES TO STREAM D – RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.3 (continued)
122	TOTAL DISCHARGES TO STREAM D	N	System-generated total release to the forth reported stream or water body in pounds/year. If the field DISCHARGES STREAM D – RELEASE POUNDS (# 120) is not blank, its contents are used as the total. If it is blank, the middle range for the code used in the field DISCHARGES TO STREAM D – RELEASE RANGE CODE (#121) is used as the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
123	DISCHARGES TO STREAM D – BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data

No.	Field Name	Type	Description
			M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.3 (continued)
124	DISCHARGES TO STREAM D - % FROM STORMWATER	N	The percentage of the total quantity (by weight) of the chemical released to water that is contributed by storm runoff. The value is 0 through 100. *Source:* **TRI_WATER_STREAM.**STORM_ WATER_PERCENT *Reference:* Part II, Section 5.3 (continued)
125	DISCHARGES TO STREAM E – STREAM NAME	C	The name of the fifth receiving stream or water body reported as it appears on the NPDES permit for the facility. *Source:* **TRI_WATER_STREAM.** STREAM_NAME *Reference:* Part II, Section 5.3 (continued)
126	DISCHARGES TO STREAM E – RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released into the stream or water body from the reporting facility. Range codes may be used for releases less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3 (continued)
127	DISCHARGES TO STREAM E – RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.3 (continued)
128	TOTAL DISCHARGES TO STREAM E	N	System-generated total release to the fifth reported stream or water body in pounds/year. If the field DISCHARGES STREAM D – RELEASE POUNDS (#126) is not blank, its contents are used as the total. If it is blank, the middle range for the code used in the field DISCHARGES TO STREAM D – RELEASE RANGE CODE (#127) is used as the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
129	DISCHARGES TO STREAM E – BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors

No.	Field Name	Type	Description
			E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.3 (continued)
130	DISCHARGES TO STREAM E - % FROM STORMWATER	N	Percentage of the total quantity (by weight) of the chemical released to water that is contributed by storm water runoff. The value is 0 through 100. *Source:* **TRI_WATER_STREAM.**STORM_ WATER_PERCENT *Reference:* Part II, Section 5.3 (continued)
131	DISCHARGES TO STREAM F – STREAM NAME	C	The name of the sixth receiving stream or water body reported as it appears on the NPDES permit for the facility. *Source:* **TRI_WATER_STREAM.** STREAM_NAME *Reference:* Part II, Section 5.3 (continued)
132	DISCHARGES TO STREAM F – RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released into the stream or water body from the reporting facility. Range codes may be used for releases less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3 (continued)
133	DISCHARGES TO STREAM F – RELEASE RANGE CODE	C	For releases less than 1,000 pounds, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.3 (continued)
134	TOTAL DISCHARGES TO STREAM F	N	System-generated total release to the sixth reported stream or water body in pounds/year. If the field DISCHARGES STREAM F – RELEASE POUNDS (#132) is not blank, its contents are used as the total. If it is blank, the middle range for the code used in the field DISCHARGES TO STREAM D – RELEASE RANGE CODE (#133) is used as the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
135	DISCHARGES TO STREAM F – BASIS FOR ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and

No.	Field Name	Type	Description
			corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.3 (continued)
136	DISCHARGES TO STREAM F - % FROM STORMWATER	N	The percentage of the total quantity (by weight) of the chemical released to water that is contributed by storm water runoff. The value is 0 through 100. *Source:* **TRI_WATER_STREAM.**STORM_ WATER_PERCENT *Reference:* Part II, Section 5.3 (continued)
137	TOTAL NUMBER OF RECEIVING STREAMS	N	The total number of streams reported by the facility as receiving toxic chemical releases. *Source:* System generated *Reference:* None
138	TOTAL SURFACE WATER DISCHARGE	N	Total of all individual total stream release fields. Rows 104 + + 110 + 116 + 122 + 128 + 134 *Source:* System generated *Reference:* None
139	UGRND INJ ONSITE TO CL I WELLS – RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) injected on site to Class I wells by the reporting facility. Range codes may be used for releases of less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.4.1A
140	UGRND INJ ONSITE TO CL I WELLS - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.4.1A
141	TOTAL UGRND INJ ONSITE TO CL I WELLS – POUNDS	N	System-generated total Class I well injection in pounds/year. If the field UGRND INJ ONSITE TO CL I WELLS – RELEASE POUNDS (#139) is not blank, its contents are used as the total. If it is blank, the middle of the range code used in the field UGRND INJ ONSITE TO CL I WELLS –

No.	Field Name	Type	Description
			RELEASE RANGE CODE (#140) is used for the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
142	UGRND INJ ONSITE TO CL I WELLS - BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.4.1B
143	UGRND INJ ONSITE TO CL II-V WELLS - RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) injected onsite to Class II wells by the reporting facility. Range codes may be used for releases of less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.4.2.A
144	UGRND INJ ONSITE TO CL II-V WELLS - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.4.2A
145	TOTAL UGRND INJ ONSITE TO CL II-V WELLS - POUNDS	N	System-generated total Class II-V well injection in pounds/year. If the field UGRND INJ ONSITE TO CL WELLS – RELEASE POUNDS (#143) is not blank, its contents are used as the total. If it is blank, the middle range for the code used in the field UGRND INJ ONSI TO CL II-V WELLS – RELEASE RANGE CODE (#144) is used for the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
146	UNGRND INJ ONSITE TO CL II-V WELLS - BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and

No.	Field Name	Type	Description
			corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.4.2B
147	TOTAL UNDERGROUND INJECTION	N	Total, in pounds, of both Class I and II well injections from the facility (rows #141 + #145). *Source:* System-generated *Reference:* None
148	RCRA SUBTITLE C LANDFILLS - RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released to RCRA Subtitle C landfills by the reporting facility. Range codes may be used for releases less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.1.AA
149	RCRA SUBTITLE C LANDFILLS - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.5.1.AA
150	TOTAL RCRA SUBTITLE C LANDFILLS	N	System-generated total RCRA Subtitle C landfill release in pounds/year. If the field RCRA SUBTITLE C LANDFILLS– RELEASE POUNDS (# 148) is not blank, its content used as the total. If it is blank, the middle of the range code used in the field RCRA SUBTITLE C LANDFILL RELEASE RANGE CODE (#149) is used for the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
151	RCRA SUBTITLE C LANDFILLS - BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors

No.	Field Name	Type	Description
			M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.5.1.AB
152	OTHER LANDFILLS - RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released to non-RCRA Subtitle C landfills the reporting facility. Range codes may be used for releases of less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.1.BA
153	OTHER LANDFILLS - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.5.1.BA
154	TOTAL OTHER ON-SITE LAND RELEASES	N	System-generated total non-RCRA Subtitle C landfill release in pounds/year. If the field OTHER LANDFILLS – RELEASE POUNDS (#152) is not blank, its contents used as the total. If it is blank, the middle of the range code used in the field OTHER LANDFILLS – RELEASE RANGE CODE (#153) is used for the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
155	OTHER LANDFILLS - BASIS OF ESTIMATE	C	A code indicating the principal method by which the tot release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.5.1.BB

No.	Field Name	Type	Description
156	LAND TRTMT/APPL FARMING - RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released in land treatment/application farming by the reporting facility. Range codes may be used for releases of less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.2.AA
157	LAND TRTMT/APPL FARMING - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.5.2.AA
158	TOTAL LAND TREATMENT	N	System-generated total land treatment/application farming release in pounds/year. If the field LAND TRTMT/APP FARMING – RELEASE POUNDS (#156) is not blank, its contents are used as the total. If it is blank, the middle range for the code used in the field LAND TRTMT/AP FARMING – RELEASE RANGE CODE (#157) is used as the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
159	LAND TRTMT/APPL FARMING - BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.5.2.BB
160	SURFACE IMPOUNDMENT - RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released in surface impoundments by the reporting facility. Range codes may be used for releases less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.3. col. A
161	SURFACE IMPOUNDMENT - RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released

No.	Field Name	Type	Description
			annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.5.3. col. A
162	TOTAL SURFACE IMPOUNDMENTS	N	System-generated total for on-site surface impoundment releases in pounds/year. If the field SURFACE IMPOUNDMENT – RELEASE POUNDS (#160) is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in the field SURFACE IMPOUNDMENT – RANGE CODE (#161) is used for the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
163	SURFACE IMPOUNDMENT – BASIS OF ESTIMATE	C	A code indicating the principal method by which the tot release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.5.3. col. B
164	OTHER DISPOSAL – RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released by other disposal means by the reporting facility. Range codes may be used for releases less than 1,000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.4.AA
165	OTHER DISPOSAL – RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. If the release is less than or equal to 0.5 pounds, the submitter may enter zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.5.4.AA

No.	Field Name	Type	Description
166	TOTAL OTHER DISPOSAL	N	System generated total other disposal release in pounds/ If the field OTHER DISPOSAL - RELEASE POUNDS (#164) is not blank, its contents are used as the total. If it blank, the middle of the range for the code used in the field OTHER DISPOSAL – RANGE CODE (#165) is used for the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
167	OTHER DISPOSAL – BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.5.4.BB
168	TOTAL ON-SITE LAND RELEASES	N	Total, in pounds, of toxic chemical entering on-site environmental medium (150+154+158+162+166). *Source:* System generated *Reference:* None
169	POTWS - TOTAL TRANSFERS - METALS ONLY	N	Total amount of reported metals, in pounds, transferred off site to Publicly Owned Treatment Works (POTWs). **TRI_TRANSFER_QTY.**OFF_SITE_TOTAL+ **TRI_TRANSFER_QTY.**TRANSFER_ RANGE_CODE *Reference:* Part II, Section 6.1.A.1
170	POTWs – BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.1.A.2

No.	Field Name	Type	Description
171	STORAGE ONLY	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using code M10: "Storage Only." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
172	SOLIDIFICATION/STABILIZATION (METALS AND METAL COMPOUNDS)	N	Total amount, in pounds, of metals and metal compounds reported as transferred off site for disposal using code M41: "Solidification/Stabilization." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
173	WASTEWATER TREATMENT (EXCLUDING POTWs)	N	Total amount, in pounds, of metals and metal compounds reported as transferred off site for disposal using code M62: "Wastewater Treatment (Excluding POTWs) – Metals and Metal Compounds Only." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
174	TRANSFERS TO POTWs – METALS AND METAL COMPOUNDS	N	Total amount of metals and metal compounds, in pounds, transferred off site to a POTW for disposal. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.1.A.1
175	UNDERGROUND INJECTION	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using the code M71: "Underground Injection." *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A *Note: Effective for RY 2003, code M71 was deleted and replaced with codes M81 (Underground Injection to Class I Wells) and M82 (Underground Injection to Class II-V Wells). See rows #229 and #230 of this table.*
176	LANDFILLS/DISPOSAL SURFACE IMPOUNDMENTS	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using the code M72: "Landfills/Disposal Surface Impoundments." *Source:* **TRI_TRANSFER_QTY.**TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A *Note: Effective for RY 2002, code M72 was deleted and replaced with code M63 (Surface Impoundment), M64 (Other Landfills), and M65 (RCRA Subtitle C Landfills).*
177	SURFACE IMPOUNDMENT	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using the code M63:

No.	Field Name	Type	Description
			"Surface Impoundment." *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A *Note: Effective for RY 2003, code M63 was deleted and replaced with code M66 (RCRA Subtitle C Surface Impoundment) and code M67 (Other Surface Impoundments). See rows #227 and #228 of this table.*
178	OTHER LANDFILLS	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using code M64: "Other Landfills." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
179	RCRA SUBTITLE C LANDFILLS	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using code M65: "RCRA Subtitle C Landfills." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
180	LAND TREATMENT	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using code M73: "Land Treatment." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
181	OTHER LAND DISPOSAL	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using code M79: "Other Land Disposal." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
182	OTHER OFF-SITE MANAGEMENT	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using code M90: "Other Off-Site Management." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
183	TRANSFERS TO WASTE BROKER FOR DISPOSAL	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using code M94: "Transfer to Waste Broker for Disposal." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE

No.	Field Name	Type	Description
			Reference: Part II, Section 6.2A
184	UNKNOWN	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using code M99: "Unknown." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
185	TOTAL TRANSFERRED OFF SITE FOR DISPOSAL	N	Total amount of the toxic chemical in wastes reported as transferred to off-site locations for release or disposal. Total is in grams for dioxins and pounds for all other chemicals. Sum of rows: (169+171+172+173+174+175+176+177+178+179+180 181+182+183+184) NOTE: 169, 172, 173, 174 are only included if the chemical is a metal. *Source:* System Generated **TRI_TRANSFER_QTY.**TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2
186	TRANSFERS TO RECYCLING (CODE M20 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to recycling using the code M20: "Solvents/Organics Recovery." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
187	TRANSFERS TO RECYCLING (CODE M24 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to recycling using the code M24: "Metals Recovery." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
188	TRANSFERS TO RECYCLING (CODE M26 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to recycling using the code M26: "Other Reuse or Recovery." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
189	TRANSFERS TO RECYCLING (CODE M28 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to recycling using the code M28: "Acid Regeneration." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

No.	Field Name	Type	Description
190	TRANSFERS TO RECYCLING (CODE M93 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to recycling using the code M93: "Transfer to Waste Broker - Recycling." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
191	TRANSFERS TO ENERGY RECOVERY (CODE M56 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to energy recovery using the code M56: "Energy Recovery." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
192	TRANSFERS TO ENERGY RECOVERY (CODE M92 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to energy recovery using the code M92: "Transfer to Waste Broker - Energy Recovery." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
193	TRANSFERS TO TREATMENT (CODE M40 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to treatment using the code M40: "Solidification/Stabilization." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
194	TRANSFERS TO TREATMENT (CODE M50 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to treatment using the code M50: "Incineration/Thermal Treatment." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
195	TRANSFERS TO TREATMENT (CODE M54 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to treatment using the code M54: "Incineration/Insignificant Fuel Value." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
196	TRANSFERS TO TREATMENT (CODE M61 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to treatment using the code M61: "Wastewater Treatment (Excluding POTW)." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

No.	Field Name	Type	Description
197	TRANSFERS TO TREATMENT (CODE M69 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to treatment using the code M69: "Other Waste Treatment." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
198	TRANSFERS TO TREATMENT (CODE M95 ONLY)	N	Total amount of the chemical, in pounds, reported as transferred off site to treatment using the code M95: "Transfer to Waste Broker - Waste Treatment." *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
199	TRANSFERS TO POTWs (NON-METALS)	N	Total amount of reported non-metals, in pounds, transferred off site to a POTW. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
200	TOTAL TRANSFERRED OFF SITE FOR FURTHER WASTE MANAGEMENT	N	Total amount, in pounds, of toxic chemical in wastes reported as being transferred off site for further waste management. Sum of rows #186 +187 + 188 + 189 + 190 +191 + 192 +193 + 194 + 195 + 196 + 197 + 198 + 199 *Source:* System generated *Reference:* None
201	ENERGY RECOVERY ON SITE CURRENT YEAR	N	Total quantity of the chemical, in pounds, used on site for energy recovery during the reporting year. *Source:* **TRI_*SOURCE*_REDUCT_QTY.** ENERGY_ONSITE_CURR_YR_QTY *Reference:* Part II Section 8.2.B
202	QUANTITY RECYCLED ON SITE CURRENT YEAR	N	Total quantity of the chemical, in pounds, recycled on site during the reporting year. *Source:* **TRI_*SOURCE*_REDUCT_QTY.** RECYC_ONSITE_CURR_YR_QTY *Reference:* Part II Section 8.2.B
203	QUANTITY TREATED ON SITE CURRENT YEAR	N	Total quantity of the chemical, in pounds, treated on site during the reporting year. *Source:* **TRI_*SOURCE*_REDUCT_QTY.** TREATED_ONSITE_CURR_YR_QTY *Reference:* Part II Section 8.6.B
204	OTHER ON-SITE WASTE MANAGEMENT	N	Total amount, in pounds, of toxic chemical reported as reduced and recycled on site. Rows 201 + 202 + 203. *Source:* System-generated. *Reference:* None

No.	Field Name	Type	Description
205	ON-SITE ENERGY RECOVERY METHOD 1	C	The first code identifying an on-site energy recovery method used for the reported chemical at the facility. Codes are given for only those chemicals that have a significant heating value and are combusted in an energy recovery unit such an industrial furnace. *Source:* **TRI_ENERGY_RECOVERY.** ONSITE_ENERGY_PROC_CODE *Reference:* Part II, Section 7B.1
206	ON-SITE ENERGY RECOVERY METHOD 2	C	The second code identifying an on-site energy recovery method used for the reported chemical at the facility. Codes are given for only those chemicals that have a significant heating value and are combusted in an energy recovery unit such an industrial furnace. *Source:* **TRI_ENERGY_RECOVERY.** ONSITE_ENERGY_PROC_CODE *Reference:* Part II, Section 7B.2
207	ON-SITE ENERGY RECOVERY METHOD 3	C	The third code identifying an on-site energy recovery method used for the reported chemical at the facility. Codes are given for only those chemicals that have a significant heating value and are combusted in an energy recovery unit such an industrial furnace. *Source:* **TRI_ENERGY_RECOVERY.** ONSITE_ENERGY_PROC_CODE *Reference:* Part II, Section 7B.3
208	ON-SITE ENERGY RECOVERY METHOD 4	C	The third code identifying an on-site energy recovery method used for the reported chemical at the facility. Codes are given for only those chemicals that have a significant heating value and are combusted in an energy recovery unit such an industrial furnace. *Source:* **TRI_ENERGY_RECOVERY.** ONSITE_ENERGY_PROC_CODE *Reference:* Part II, Section 7B.4
209	ON-SITE RECYCLING PROCESSES METHOD 1	C	The first code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.1
210	ON-SITE RECYCLING PROCESSES METHOD 2	C	The second code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.2
211	ON-SITE RECYCLING PROCESSES METHOD 3	C	The third code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.3

No.	Field Name	Type	Description
212	ON-SITE RECYCLING PROCESSES METHOD 4	C	The fourth code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.4
213	ON-SITE RECYCLING PROCESSES METHOD 5	C	The fifth code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.5
214	ON-SITE RECYCLING PROCESSES METHOD 6	C	The sixth code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.6
215	ON-SITE RECYCLING PROCESSES METHOD 7	C	The seventh code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.7
216	ON-SITE RECYCLING PROCESSES METHOD 8	C	The eighth code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.8
217	ON-SITE RECYCLING PROCESSES METHOD 9	C	The ninth code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.9
218	ON-SITE RECYCLING PROCESSES METHOD 10	C	The tenth code identifying recycling processes used for the reported chemical at the facility. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.10
219	RCRA C SURFACE IMPOUNDMENT - RELEASE POUNDS	N	An estimate of the total amount of the toxic chemical (pounds/year) released into RCRA Subtitle C Surface Impoundments by the reporting facility. Range codes may be used for releases of less than 1,000 pounds. This field was added in RY 2003. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE (Value = 'SI_5.5.3A') *Reference:* Part II, Section 5.5.3a col. A

No.	Field Name	Type	Description
220	RCRA C SURFACE IMPOUNDMENT - RANGE CODE	C	For releases less than 1,000 lbs, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. This field was added in RY 2003. Facilities cannot use range codes for PBT and Dioxin submissions. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.5.3a col. A
221	TOTAL RCRA C SURFACE IMPOUNDMENTS	N	System-generated total for RCRA Subtitle C Surface Impoundment Releases (pounds/year). If the field RCRA SURFACE IMPOUNDMENT – RELEASE POUNDS (#219) is not blank, its contents are used as the total. If blank, the middle of the range for the code used in the field RCRA C SURFACE IMPOUNDMENT – RANGE CODE (#220) is used for the total emission value. This field was added in RY 2003. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
222	RCRA C SURFACE IMPOUNDMENT - BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.5.3a col. B
223	OTHER SURFACE IMPOUNDMENT - RELEASE POUNDS	N	An estimate of the total amount of the toxic chemical (pounds/year) released into other surface impoundments at the reporting facility. Range codes may be used for releases of less than 1,000 pounds. This field was added in RY 2003. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE (Value = 'SI_5.5.3B') *Reference:* Part II, Section 5.5.3b col. A
224	OTHER SURFACE IMPOUNDMENT - RANGE CODE	C	For releases less than 1,000 pounds, this field provides the code used to indicate the amount of the toxic chemical released annually from the reporting facility within a range. This field was added in RY 2003. Facilities cannot use range codes for PBT and Dioxin submissions.

No.	Field Name	Type	Description
			A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.5.3b col. A
225	TOTAL OTHER SURFACE IMPOUNDMENTS	N	System-generated total for other surface impoundment releases (pounds/year). If the field RCRA C SURFACE IMPOUNDMENT – RELEASE POUNDS (#223) is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in the field RCRA SURFACE IMPOUNDMENT – RANGE CODE (#224) is used for the total emission value. This field was added in RY 2003. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
226	OTHER SURFACE IMPOUNDMENT - BASIS OF ESTIMATE	C	A code indicating the principal method by which the total release estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.5.3b col. B
227	RCRA SUBTITLE C SURFACE IMPOUNDMENTS	N	Total amount of the chemical, in pounds, reported as transferred off site for disposal using code M66: “RCRA Subtitle C Surface Impoundment.” Quantities are in grams for dioxins and pounds for all other chemicals. This field was added in RY 2003. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
228	OTHER SURFACE IMPOUNDMENTS	N	Total amount of the chemical reported as transferred off site for disposal using code M67: “Other Surface Impoundments.” Quantities are in grams for dioxins and pounds for all other chemicals. This field was added in RY 2003. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

No.	Field Name	Type	Description
229	UNDERGROUND INJECTION TO CLASS 1 WELLS	N	Total amount of the chemical reported as transferred off site for disposal using code M81: "Underground Injection to Class I Wells." Quantities are in grams for dioxins and pounds for all other chemicals. This field was added in 2003. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
230	UNDERGROUND INJECTION TO CLASS II-V WELLS	N	Total amount of the chemical reported as transferred off site for disposal using code M82: "Underground Injection to Class II-V Wells." Quantities are in grams for dioxins and pounds for all other chemicals. This field was added in RY 2003. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
231	ASSIGNED FED. FACILITY FLAG	C	Code indicating whether the facility is federal or not. Assigned by TRI. Yes = Federal No = Non-Federal *Source:* **TRI_FACILITY.** ASGN_FEDERAL
232	PUBLIC CONTACT EMAIL	C	Email address of the designated individual whom the public may contact if clarification of reported data is needed. *Source:* **TRI_REPORTING_FORM.** PUBLIC_CONTACT_PERSON_EMAIL *Reference:* Part I, Section 4.4
233	REVISION CODE 1	C	If the facility revised its data, 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_
234	REVISION CODE 2	C	If the facility revised its data, 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_
235	METAL_IND	C	Code indicating whether the chemical is a metal or not. Yes = Metal No = Non-Metal *Source:* **TRI_CHEM_INFO.**Metal_Ind

APPENDIX A – LIST OF VALUES

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

A Gaseous (gases, vapors, airborne particulates) W
Wastewater (aqueous waste)
L Liquid waste streams (non-aqueous waste)
S Solid waste streams (including sludges and slurries) **Waste Treatment**

Methods (New list for Codes for RY 2006) Air Emissions Treatment

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

Chemical Treatment

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

Biological Treatment

H081 Biological treatment with or without precipitation

Physical Treatment

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