Toxics Release Inventory
File Type 1

(Facility, Chemical, Releases and Other Waste Management Summary Information)

Basic Plus Data File Format Documentation v15

Prepared by: The Environmental Protection Agency
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Toxics Release Inventory Program Division
Information and Outreach Branch

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File	Example	Description of Contents	Form R or A Referenc
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 (sectio 1, 3, 4, 5, 6.1.A, 6.2ABC 7B, 7C, 8.2.B,8.4.B,8.6.E

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 2 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. A third set of files, known as the National Data File set, contains all the TRI data (for all States and US 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. These are the forms that facilities use to submit data to the TRI Program. The TRI Reporting Forms and Instructions document contains the actual forms and the complete instructions for filling them out. The Reporting Forms and Instructions is available at http://www2.epa.gov/toxics-release-inventory-tri-program/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.

1.1 Detailed Description: File Type 1

The "Type 1" file contains the bulk of the data found on a 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 report (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

2.0 Noted Changes to this Year's TRI Basic Plus Data File

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3.0 Mapping the Form R/A Sections to each File

	Part I					Part II													
	1	2	3	4	5	1	2	3	4	5	6.1.A	6.1.B	6.2	6.2abc	7A	7B	7C	8	Total Fields
File 1	*	*	*	*	*	*		*	*	*	*			*		*	*	P1	233

Notes:

P1- Section 8, data elements (8.2.B, 8.4.B, 8.6.B).
These data elements are Current Year Energy Recover, Recycled and Treated on-site quantities.

Part & Section Definitions

Part	Section	Definition
I	1	Reporting Year
I		Revision Codes
I	2	Trade Secret
I	3	Certification
I	4	Facility Identification
I	5	Parent Company Info
II	1	Toxic Chemical Identity
II	2	Mixture Component Identity
II	3	Activities and Uses of the Toxic Chemical at the Facility
II	4	Maximum Amount of Chemical On-site at any time during the Calendar Year
II	5	Quantity of the Toxic Chemical Entering each Environmental Medium Onsite
II	6.1.A	Discharges to Publicly Owned Treatment Works (POTWs) - Total Transfer Quantity
II	6.1.B	Discharges to Publicly Owned Treatment Works (POTWs) - POTW name and location
II	6.2	Transfers to other Off-Site Locations - Name an location of Transfer site
II	6.2abc	Transfers to other Off-Site Locations - Total Transfer Quantities, Est.Basis, Type of Treatment/Disposal
II	7A	On-Site Waste Treatment Methods and Efficiency
II	7B	On-Site Energy Recovery Processes
II	7C	On-Site Recycling Processes
II	8	Source Reduction and Recycling Activities

4.0 Field Descriptions

The following sections contain the record structure for each of the Toxics Release Inventory (TRI) Basic Plus Data Files. The codes and definitions used in the following record descriptions are listed in the *Toxic Chemical Release Inventory Reporting Forms and Instructions* document.

The record descriptions in each of the following sections contain the following columns and information:

Column	Description
Number	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 (a tab is placed between each data element).

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

4.1

Type 1: Facility, Chemical, Releases and Other Waste Management Summary Information

Mum.	Field Name	Type	Description
1	FORM TYPE	C	An indicator identifying whether Form R or Certificatio Statement was submitted. R = Long Form (Form R) A = Short Form (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 occur *Source:* **TRI_REPORTING_FORM.** REPORTING_YEAR *Reference:* Part I, Section 1

Mum.	Field Name	Type	Description
3	TRADE SECRET INDICATOR	C	Indicates whether the reporting facility claims the ident the chemical or chemical category as a trade secret. Yes = Checked (Trade Secret) No = Not checked Note: Only Sanitized Trade Secret submissions are store the TRIS 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 tra secret information. Yes = Checked (form information sanitize 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 the senior official certifying the accuracy and completeness of information on the submi *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 a completeness of the information on the submission. *Source:* **TRI_REPORTING_FORM.** CERTIF_NAME *Reference:* Part I, Section 3
7	CERTIFYING OFFICIALS 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

Mum.	Field Name	Type	Description
8	DATE SIGNED	D	The date of the certifying signature. The format is YYY MM-DD. *Source*: **TRI_REPORTING_FORM.** CERTIF_DATE_SIGNED *Reference:* Part I, Section 3
9	TRIFID	C	Facility identification in the format zzzzznnnnnsssss wh usually zzzzz = facility zip code, nnnnn = first five consonants of the name, and sssss = first five non-specia characters in the street address. The three sections of th format were separated by hypens prior to RY 2006. **NOTE:** *The content of this field is **not** changed to matc facility ownership, or zip code changes. Rather, the TRI Facility ID identifies a specific geographical location w 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 o *Source:* **FACILITY.BIA_TRIBAL_CODE**

Mum.	Field Name	Type	Description
17	TRIBE	C	INDIAN_COUNTRY_NAME The name of the Tribe. *Source:* **V_INDIAN_COUTRY.**
18	MAILING NAME	C	The first and second lines of the mailing name for the fa *Source:* **TRI_FACILITY.**MAIL_NAME
19	MAILING STREET	C	Street address of the reporting facility's mailing addres *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 m to 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. *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 facili 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 facili part of a facility: Yes = partial No = entire *Source:* **TRI_REPORTING_FORM.**PARTIAL_FAC *Reference:* Part I, Section 4.2b

Mum.	Field Name	Type	Description
26	FEDERAL FACILITY IND	C	Code indicating whether a facility is Federal or not: Yes = Federal No = non-Federal Value reported by facility. *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 (Governme 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 (SI Code. *Source:* **TRI_SUBMISSION_SIC.**SIC_CODE *Where:* primary_ind = >1' *Reference:* Part I, Section 4.5a
31	SIC CODE 2	C	Second four-digit Standard Industrial Classification (SI 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

Mum.	Field Name	Type	Description
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 assign 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 *Where:* naics_sequence_num = 4 *Reference:* Part I, Section 4.5b

Mum.	Field Name	Type	Description
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 accor to EPA's Facility Registry System (FRS). In RY 2005, stopped collecting the Latitude value and began obtainir 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 b obtaining it from FRS. (Format: signed 3 digit whole nu 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 u the res*ource* Conservation and Recovery Act. In RY 20 TRI stopped collecting RCRA Ids and began obtaining t 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 u the res*ource* Conservation and Recovery Act. In RY 20 TRI stopped collecting RCRA Ids and began obtaining t from EPA's Facility Registry System (FRS). *Source:* **EPA's Facility Registry System**

Mum.	Field Name	Type	Description
49	NPDES NR A	C	Nine-digit alphanumeric identifier assigned to a facility EPA's National Pollutant Discharge Elimination System RY 2006, TRI stopped collecting NPDES Ids and began obtaining them from EPA's Facility Registry System (F *Source:* **EPA's Facility Registry System**
50	NPDES NR B	C	Nine-digit alphanumeric identifier assigned to a facility EPA's National Pollutant Discharge Elimination System RY 2006, TRI stopped collecting NPDES Ids and began obtaining them from EPA's Facility Registry System (F *Source:* **EPA's Facility Registry System**
51	UIC NR A	C	Underground injection identification number, assigned b EPA or the state, to a facility. In RY 2006, TRI stopped collecting UIC Ids and began obtaining them from EPA Facility Registry System (FRS). *Source:* **EPA's Facilit Registry System**
52	UIC NR B	C	Underground injection identification number, assigned b EPA or the state, to a facility. In RY 2006, TRI stopped collecting UIC Ids and began obtaining them from EPA Facility Registry System (FRS). *Source:* **EPA's Facilit Registry System**
53	PARENT COMPANY NAME	C	Name of the corporation or other business entity that ow 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 facilit *Source:* **TRI_FACILITY.**PARENT_CO_DB_NUM *Reference:* Part I, Section 5.2
55	DOCUMENT CONTROL NUMBER	C	Unique identification number assigned to each submissi 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 *Format:* (13 + RY + DOC_TYPE + SEQ_NUM + Che digit) *Reference:* NA (System generated)

Mum.	Field Name	Type	Description
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 s submissions; CHEM_NAME displays the reported gene 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 c 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 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 chemi 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-li compound. Values are either 0 or a number between 0.0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_1 *Reference:* Part II, Section 1.4

Mum.	Field Name	Type	Description
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-li compound. Values are either 0 or a number between 0.0 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-li compound. Values are either 0 or a number between 0.0 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-li compound. Values are either 0 or a number between 0.0 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-li compound. Values are either 0 or a number between 0.0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_5 *Reference:* Part II, Section 1.4

Mum.	Field Name	Type	Description
65	DIOXIN DISTRIBUTION 6	N	Indicates the percentage of 2,3,4,6,7,8 Hexachlorodibenzofuran (CAS # 60851-34-5) in the reported Dioxin or Dioxin-li compound. Values are either 0 or a number between 0.0 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-li compound. Values are either 0 or a number between 0.0 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-li compound. Values are either 0 or a number between 0.0 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-l compound. Values are either 0 or a number between 0.0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_9 *Reference:* Part II, Section 1.4

Mum.	Field Name	Type	Description
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-l compound. Values are either 0 or a number between 0.0 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-li compound. Values are either 0 or a number between 0.0 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-l compound. Values are either 0 or a number between 0.0 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-li compound. Values are either 0 or a number between 0.0 and 100 (inclusive). *Source:* **TRI_REPORTING_FORM.** DIOXIN_DISTRIBUTION_13 *Reference:* Part II, Section 1.4

Mum.	Field Name	Type	Description
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-li compound. Values are either 0 or a number between 0.0 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-li compound. Values are either 0 or a number between 0.0 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-li compound. Values are either 0 or a number between 0.0 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 0.0 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 facili Yes = produced here No = not produced here *Source:* **TRI_CHEM_ACTIVITY.**PRODUCE *Reference:* Part II, Section 3.1a

Mum.	Field Name	Type	Description
78	IMPORT THE CHEMICAL	C	Indicates whether the chemical is imported at this facilit 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 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 this facility for sale or distribution. 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 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 this facility as an impurity. Formerly know 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 rea Yes = reactant No = not reactant *Source:* **TRI_CHEM_ACTIVITY.**REACTANT *Reference:* Part II, Section 3.2a

Mum.	Field Name	Type	Description
84	AS A FORMULATION COMPONENT	C	Indicates whether the facility adds the reported chemica product or product mixture prior to further distribution c product to act as a performance enhancer during the use the product. Includes, but not limited to, additives, dyes reaction diluents, initiators, solvents, inhibitors, emulsif 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 chemica an integral component of an article distributed for indus trade, or consumer use. Yes = integral component No = not integral component *Source:* **TRI_CHEM_ACTIVITY.**ARTICAL_ COMPONENT *Reference:* Part II, Section 3.2c
86	REPACKAGING	C	Indicates whether the chemical is processed at this facili repackaging for distribution in commerce in a different state, or quantity. Yes = repackaged 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 che but did not separate it and it remains as an impurity in th primary 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

Mum.	Field Name	Type	Description
88	AS A CHEMICAL PROCESSING AID	C	Indicates whether the chemical is used at this facility as chemical processing aid by adding the reported chemica reaction mixture or synthesis of another chemical substa without intending for it to remain as a part of the mixtur 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 the manufacturing process, without intending for it to be part of the resulting product or the reaction mixture, dur the manufacture or synthesis of another chemical substa 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 trea 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 ONSITE	C	This code indicates the maximum quantity of the chemi the facility at any time during the calendar year. Include sum of all on-site locations within any reporting facility *Source:* **TRI_REPORTING_FORM** MAX_AMOUNT_OF_CHEM *Reference:* Part II, Section 4.1
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 repor facility. Range codes may be used for releases of less th 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.1.A

Mum.	Field Name	Type	Description
93	FUGITIVE AIR EMISSIONS - TOTAL RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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 emission in pounds/y If the field FUGITIVE AIR EMISSIONS - TOTAL RELEASE POUNDS (#83) is not blank, its contents ar used as the total. If it is blank, the middle of the range f code used in the field FUGITIVE AIR EMISSIONS – TOTAL RELEASE RANGE CODE (#84) is used for th 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 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 5.1.B

Mum.	Field Name	Type	Description
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 repo facility. Range codes may be used for releases of less th 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.2.A
97	STACK AIR EMISSIONS - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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 emission in pounds/yea the field STACK AIR EMISSIONS – RELEASE POUN (# 87) is not blank, its contents are used as the total. If blank, the middle of the range for the code used in the fi STACK AIR EMISSIONS – RELEASE RANGE COD (#88) is used for the total emission value. *Source:***TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None

Mum.	Field Name	Type	Description
99	STACK OR POINT AIR EMISSIONS - 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 5.2.B
100	TOTAL AIR EMISSIONS	N	System generated by adding the contents of the TOTAL FUGITIVE AIR EMISSIONS (# 85) and TOTAL STA AIR EMISSIONS (# 89). *Source:* System generated *Reference:* None
101	DISCHARGES TO STREAM A - STREAM NAME	C	The name of the first receiving stream or water body rep as it appears on the NPDES permit for the facility. *Source:* **TRI_WATER_STREAM.**STREAM_NAME *Reference:* Part II, Section 5.3.1
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 fro reporting facility. Range codes may be used for releases less than 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3.1.A

Mum.	Field Name	Type	Description
103	DISCHARGES TO STREAM A - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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 strea water body in pounds/year. If the field DISCHARGES T STREAM A – RELEASE POUNDS (# 93) is not blank contents are used as the total. If it is blank, the middle c range for the code used in the field DISCHARGES TO STREAM A – RELEASE RANGE CODE (# 94) is use 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

Mum.	Field Name	Type	Description
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
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 faci *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 chemic pounds/year) released into the stream or water body fro reporting facility. Range codes may be used for releases less than 1000 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 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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 release to the second reported str or water body in pounds/year. If the field DISCHARGE STREAM B – RELEASE POUNDS (# 99) is not blank contents are used as the total. If it is blank, the middle c range for the code used in the field DISCHARGES TO STREAM B – RELEASE RANGE CODE (# 100) is use the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None

Mum.	Field Name	Type	Description
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
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 faci *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 fro reporting facility. Range codes may be used for releases less than 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3.3.A

Mum.	Field Name	Type	Description
115	DISCHARGES TO STREAM C - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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 strea water body in pounds/year. If the field DISCHARGES T STREAM C – RELEASE POUNDS (# 105) is not blan contents are used as the total. If it is blank, the middle c range for the code used in the field DISCHARGES TO STREAM C – RELEASE RANGE CODE (# 106) is us 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 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 5.3.3.B

Mum.	Field Name	Type	Description
118	DISCHARGES TO STREAM C - % FROM STORMWATER	N	Percentage of the total quantity (by weight) of the chem released to water that is contributed by storm water run 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 water body repo 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 fro reporting facility. Range codes may be used for releases less than 1000 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 c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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 strea water body in pounds/year. If the field DISCHARGES T STREAM D – RELEASE POUNDS (# 111) is not blan contents are used as the total. If it is blank, the middle c range for the code used in the field DISCHARGES TO STREAM D – RELEASE RANGE CODE (# 112) is us the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None

Mum.	Field Name	Type	Description
123	DISCHARGES TO STREAM D - 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 (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 rep 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 fro reporting facility. Range codes may be used for releases less than 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3 (continued)

Mum.	Field Name	Type	Description
127	DISCHARGES TO STREAM E - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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 strea water body in pounds/year. If the field DISCHARGES T STREAM D – RELEASE POUNDS (# 117) is not blan contents are used as the total. If it is blank, the middle c range for the code used in the field DISCHARGES TO STREAM D – RELEASE RANGE CODE (# 118) is us 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 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 (continued)

Mum.	Field Name	Type	Description
130	DISCHARGES TO STREAM E - % FROM STORMWATER	N	Percentage of the total quantity (by weight) of the chem released to water that is contributed by storm water run 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 faci *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 fro reporting facility. Range codes may be used for releases less than 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.3 (continued)
134	DISCHARGES TO STREAM F - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.3 (continued)
135	TOTAL DISCHARGES TO STREAM F	N	System generated total release to the sixth reported strea water body in pounds/year. If the field DISCHARGES T STREAM F – RELEASE POUNDS (# 123) is not blan contents are used as the total. If it is blank, the middle c range for the code used in the field DISCHARGES TO STREAM D – RELEASE RANGE CODE (# 124) is us the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None

Mum.	Field Name	Type	Description
136	DISCHARGES TO STREAM F - 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 (continued)
137	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)
138	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
139	TOTAL SURFACE WATER DISCHARGE	N	Total of all individual total stream release fields. Sum o columns (95+101+107+113+119+125). *Source:* System generated *Reference:* None
140	UGRND INJ ONSITE TO CL I WELLS - RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) injected onsite to Class I wells by the repo facility. Range codes may be used for releases of less th 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.4.1A

Mum.	Field Name	Type	Description
141	UGRND INJ ONSITE TO CL I WELLS - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.4.1A
142	TOTAL UGRND INJ ONSITE TO CL I WELLS - POUNDS	N	System generated total Class I well injection in pounds/ If the field UGRND INJ ONSITE TO CL I WELLS – RELEASE POUNDS (#130) is not blank, its contents ar used as the total. If it is blank, the middle of the range f code used in the field UGRND INJ ONSITE TO CL I WELLS – RELEASE RANGE CODE (#131) is used fo total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
143	UGRND INJ ONSITE TO CL I WELLS - 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 5.4.1B

Mum.	Field Name	Type	Description
144	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 rep facility. Range codes may be used for releases of less th 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.4.2.A
145	UGRND INJ ONSITE TO CL II-V WELLS - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source:* **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* Part II, Section 5.4.2A
146	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 I WELLS – RELEASE POUNDS (#134) is not blank, its contents are used as the total. If it is blank, the middle c range for the code used in the field UGRND INJ ONSIT TO CL II-V WELLS – RELEASE RANGE CODE (#13 used for the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None

Mum.	Field Name	Type	Description
147	UNGRND INJ ONSITE TO CL II-V WELLS - 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 5.4.2B
148	TOTAL UNDERGROUND INJECTION	N	Total, in pounds, of both Class I and II well injections f facility (132 + 136). *Source:* System generated *Reference:* None
149	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 t reporting facility. Range codes may be used for releases less than 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.1.AA
150	RCRA SUBTITLE C LANDFILLS - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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

Mum.	Field Name	Type	Description
151	TOTAL RCRA SUBTITLE C LANDFILLS	N	System generated total RCRA Subtitle C landfill release pounds/year. If the field RCRA SUBTITLE C LANDFI – RELEASE POUNDS (# 139) is not blank, its content used as the total. If it is blank, the middle of the range f code used in the field RCRA SUBTITLE C LANDFILL 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
152	RCRA SUBTITLE C 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.AB
153	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 relea of less than 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.1.BA

Mum.	Field Name	Type	Description
154	OTHER LANDFILLS - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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
155	TOTAL OTHER ON-SITE LAND RELEASES	N	System generated total non-RCRA Subtitle C landfill re in pounds/year. If the field OTHER LANDFILLS – RELEASE POUNDS (# 143) is not blank, its contents a used as the total. If it is blank, the middle of the range f code used in the field OTHER LANDFILLS – RELEAS RANGE CODE (#144) is used for the total emission va *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
156	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

Mum.	Field Name	Type	Description
157	LAND TRTMT/APPL FARMING - RELEASE POUNDS	N	An estimate of the total amount of toxic chemical (in pounds/year) released in land treatment/application farm by the reporting facility. Range codes may be used for releases of less than 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.2.AA
158	LAND TRTMT/APPL FARMING - RELEASE RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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
159	TOTAL LAND TREATMENT	N	System generated total land treatment/application farmi release in pounds/year. If the field LAND TRTMT/APP FARMING – RELEASE POUNDS (# 147) is not blank contents are used as the total. If it is blank, the middle c range for the code used in the field LAND TRTMT/API FARMING – RELEASE RANGE CODE (#148) is used the total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None

Mum.	Field Name	Type	Description
160	LAND TRTMT/APPL FARMING - 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 5.5.2.BB
161	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 1000 pounds. If the facility reported release quantities or range codes in 5.5.3a "RCRA C Subtitle C surface impound releases" and/or 5.5.3b "Other surface impoundments", this field will be 0. See section 2.1 ent "Part II, Section 5.5.3, On-site Surface Impoundments, divided into two subsections" above for more informatic *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.3. col. A

Mum.	Field Name	Type	Description
162	SURFACE IMPOUNDMENT - RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters zero. If the facility reported release quantities or range codes in 5.5.3a "RCRA C Subtitle C surface impound releases" and/or 5.5.3b "Other surface impoundments", this field will be 0. See section 2.1 ent "Part II, Section 5.5.3, On-site Surface Impoundments, divided into two subsections" above for more informatio 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
163	TOTAL SURFACE IMPOUNDMENTS	N	System generated total for on-site surface impoundment releases in pounds/year. If the field SURFACE IMPOUNDMENT – RELEASE POUNDS (#151) is not blank, its contents are used as the total. If it is blank, th middle of the range for the code used in the field SURF IMPOUNDMENT – RANGE CODE (#152) is used for total emission value. . If the facility reported release quantities or range codes in 5.5.3a "RCRA C Subtitle C surface impound releases" and/or 5.5.3b "Other surface impoundments", this field will contain the sum of those amounts. See section 2.1 entitled "Part II, Section 5.5.3 site Surface Impoundments, divided into two subsection above for more information. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None

Mum.	Field Name	Type	Description
164	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 If the facility reported release quantities or range codes 5.5.3a "RCRA C Subtitle C surface impound releases" and/or 5.5.3b "Other surface impoundments", this field be blank. See section 2.1 entitled "Part II, Section 5.5.3 site Surface Impoundments, divided into two subsection above for more information. *Source:* **TRI_RELEASE_QTY.** RELEASE_BASIS_EST_CODE *Reference:* Part II, Section 5.5.3. col. B
165	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 1000 pounds. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE *Reference:* Part II, Section 5.5.4.AA
166	OTHER DISPOSAL - RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters 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

Mum.	Field Name	Type	Description
167	TOTAL OTHER DISPOSAL	N	System generated total other disposal release in pounds/ If the field OTHER DISPOSAL - RELEASE POUNDS 155) is not blank, its contents are used as the total. If it blank, the middle of the range for the code used in the fi OTHER DISPOSAL – RANGE CODE (#156) is used f total emission value. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
168	OTHER DISPOSAL -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 5.5.4.BB
169	TOTAL ON-SITE LAND RELEASES	N	Total, in pounds, of toxic chemical entering onsite environmental medium (141+145+149+153+157). *Source:* System generated *Reference:* None
170	POTWS - TOTAL TRANSFERS - METALS ONLY	N	Total amount of reported metals, in pounds, transferred offsite to publicly owned treatment works. **TRI_TRANSFER_QTY.**OFF_SITE_TOTAL+ **TRI_TRANSFER_QTY.**TRANSFER_ RANGE_CODE *Reference:* Part II, Section 6.1.A.1

Mum.	Field Name	Type	Description
171	POTWS - 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_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.1.A.2
172	STORAGE ONLY	N	Total amount, in pounds, reported as storage only@ M C (**M10**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
173	SOLIDIFICATION/STABILIZATION (METALS AND METAL COMPOUNDS)	N	Total amount, in pounds, of metals and metal compound reported as A solidification/stabilization@ M Code (**M41** *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
174	WASTEWATER TREATMENT (EXCLUDING POTWS)	N	Total amount, in pounds, reported as A wastewater treatment@ M Code (**M62**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
175	TRANSFERS TO POTWS (METALS AND METAL COMPOUNDS)	N	Total amount of reported metals and metal compounds, pounds, transferred offsite to publicly owned treatment works. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.1.A.1
176	UNDERGROUND INJECTION	N	Total amount, in pounds, reported as A underground injection@ M Code (**M71**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
177	LANDFILLS/DISPOSAL SURFACE IMPOUNDMENTS	N	Total amount, in pounds, reported as A landfills/disposa surface impoundments@ M Code (**M72**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
178	SURFACE IMPOUNDMENT	N	Total amount, in pounds, reported as "Surface Impound M Code (**M63**) *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
179	OTHER LANDFILLS	N	Total amount, in pounds, reported as "Other Landfills" I Code (**M64**) *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
180	RCRA SUBTITLE C LANDFILLS	N	Total amount, in pounds, reported as "RCRA Subtitle C Landfills@ M Code (**M65**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
181	LAND TREATMENT	N	Total amount, in pounds, reported as Aland treatment@ M Code (**M73**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
182	OTHER LAND DISPOSAL	N	Total amount, in pounds, reported as A other land dispos M Code (**M79**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
183	OTHER OFF-SITE MANAGEMENT	N	Total amount, in pounds, reported as A other off-site management@ M Code (**M90**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
184	TRANSFERS TO WASTE BROKER FOR DISPOSAL	N	Total amount, in pounds, reported as A transfer to waste broker for disposal@ M code (**M94**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
185	UNKNOWN	N	Total amount, in pounds, reported as A unknown@ M co (**M99**). *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
186	TOTAL TRANSFERRED OFF-SITE TO DISPOSAL	N	Total amount of toxic chemical in wastes reported as be transferred to off-site locations for release or disposal. total is in grams for dioxins and pounds for all other chemicals. Sum of columns: (162+163+164+166+167+168+169+170+171+172+173 +175+191+194+218+219+220+221) NOET: 191 and 1 only included if chemical is a metal. *Source:* System Generated **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2
187	TRANSFERS TO RECYCLING (M20 ONLY)	N	Total amount, in pounds, reported as transferred to recyc with a Type of Recycling code of **M20**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
188	TRANSFERS TO RECYCLING (M24 ONLY)	N	Total amount, in pounds, reported as transferred to recyc with a Type of Recycling code of **M24**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
189	TRANSFERS TO RECYCLING (M26 ONLY)	N	Total amount, in pounds, reported as transferred to recyc with a Type of Recycling code of **M26**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A

Mum.	Field Name	Type	Description
190	TRANSFERS TO RECYCLING (M28 ONLY)	N	Total amount, in pounds, reported as transferred to recyc with a Type of Recycling code of **M28**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
191	TRANSFERS TO RECYCLING (M93 ONLY)	N	Total amount, in pounds, reported as transferred to recyc with a Type of Recycling code of **M93**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
192	TRANSFERS TO ENERGY RECOVERY (M56 ONLY)	N	Total amount, in pounds, reported as transferred to energ recovery with a Type of Recycling code of **M56**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
193	TRANSFERS TO ENERGY RECOVERY (M92 ONLY)	N	Total amount, in pounds, reported as transferred to energ recovery with a Type of Recycling code of **M92**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
194	TRANSFERS TO TREATMENT (M40 ONLY)	N	Total amount, in pounds, reported as transferred to treat with a Type of Recycling code of **M40**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
195	TRANSFERS TO TREATMENT (M50 ONLY)	N	Total amount, in pounds, reported as transferred to treat with a Type of Recycling code of **M50**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A

Mum.	Field Name	Type	Description
196	TRANSFERS TO TREATMENT (M54 ONLY)	N	Total amount, in pounds, reported as transferred to treat with a Type of Recycling code of **M54**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
197	TRANSFERS TO TREATMENT (M61 ONLY)	N	Total amount, in pounds, reported as transferred to treat with a Type of Recycling code of **M61**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
198	TRANSFERS TO TREATMENT (M69 ONLY)	N	Total amount, in pounds, reported as transferred to treat with a Type of Recycling code of **M69**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
199	TRANSFERS TO TREATMENT (M95 ONLY)	N	Total amount, in pounds, reported as transferred to treat with a Type of Recycling code of **M95**. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
200	TRANSFERS TO POTWS (NON-METALS)	N	Total amount of reported non-metals, in pounds, transfe offsite to publicly owned treatment works. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II , Section 6.2A
201	TOTAL TRANSFERRED OFF-SITE FOR FURTHER WASTE MANAGEMENT	N	Total amount, in pounds, of toxic chemical in wastes re as being transferred to off-site for further waste management. Sum of columns (177+178+179+180+181+182+183+184+185+186+187 +189+190). *Source:* System generated *Reference:* None

Mum.	Field Name	Type	Description
202	ENERGY RECOVERY ONSITE CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical used onsite for energy recovery during reporti year. *Source:* **TRI_*SOURCE*_REDUCT_QTY.** ENERGY_ONSITE_CURR_YR_QTY *Reference:* Part II Section 8.2.B
203	QUANTITY RECYCLED ONSITE CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical recycled onsite during reporting year. *Source:* **TRI_*SOURCE*_REDUCT_QTY.** RECYC_ONSITE_CURR_YR_QTY *Reference:* Part II Section 8.4.B
204	QUANTITY TREATED ONSITE CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical treated onsite during the reporting year. *Source:* **TRI_*SOURCE*_REDUCT_QTY.** TREATED_ONSITE_CURR_YR_QTY *Reference:* Part II Section 8.6.B
205	OTHER ON-SITE WASTE MANAGEMENT	N	Total amount, in pounds, of toxic chemical reported as b reduced and recycled on-site. Sum of columns (192+193+194) *Source:* System generated. *Reference:* None
206	ON-SITE ENERGY RECOVERY METHOD 1	C	The first code identifying an on-site energy recovery me used for the reported chemical at the facility. Codes are given for only those chemicals that have a significant he 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
207	ON-SITE ENERGY RECOVERY METHOD 2	C	The second code identifying an on-site energy recovery methods used for the reported chemical at the facility. C are given for only those chemicals that have a significan heating value and are combusted in an energy recovery such as an industrial furnace. *Source:* **TRI_ENERGY_RECOVERY.** ONSITE_ENERGY_PROC_CODE *Reference:* Part II, Section 7B.2

Mum.	Field Name	Type	Description
208	ON-SITE ENERGY RECOVERY METHOD 3	C	The third code identifying an on-site energy recovery methods used for the reported chemical at the facility. C are given for only those chemicals that have a significan heating value and are combusted in an energy recovery such as an industrial furnace. *Source:* **TRI_ENERGY_RECOVERY.** ONSITE_ENERGY_PROC_CODE *Reference:* Part II, Section 7B.3
209	ON-SITE ENERGY RECOVERY METHOD 4	C	The fourth code identifying an on-site energy recovery methods used for the reported chemical at the facility. C are given for only those chemicals that have a significan heating value and are combusted in an energy recovery such as an industrial furnace. *Source:* **TRI_ENERGY_RECOVERY.** ONSITE_ENERGY_PROC_CODE *Reference:* Part II, Section 7B.4
210	ON-SITE RECYCLING PROCESSES - METHOD 1	C	The first code identifying recycling processes used on-s New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.1
211	ON-SITE RECYCLING PROCESSES - METHOD 2	C	The second code identifying recycling processes used o site. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.2
212	ON-SITE RECYCLING PROCESSES - METHOD 3	C	The third code identifying recycling processes used on- New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.3
213	ON-SITE RECYCLING PROCESSES - METHOD 4	C	The fourth code identifying recycling processes used or New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.4
214	ON-SITE RECYCLING PROCESSES - METHOD 5	C	The fifth code identifying recycling processes used on-s New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.5

Mum.	Field Name	Type	Description
215	ON-SITE RECYCLING PROCESSES - METHOD 6	C	The sixth code identifying recycling processes used on- New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.6
216	ON-SITE RECYCLING PROCESSES - METHOD 7	C	The seventh code identifying recycling processes used site. New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.7
217	ON-SITE RECYCLING PROCESSES - METHOD 8	C	The eighth code identifying recycling processes used o New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.8
218	ON-SITE RECYCLING PROCESSES - METHOD 9	C	The ninth code identifying recycling processes used on- New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS.** ONSITE_RECYCLING_PROC_CODE *Reference:* Part II, Section 7C.9
219	ON-SITE RECYCLING PROCESSES - METHOD 10	C	The tenth code identifying recycling processes used on- New codes in RY 2006. *Source:* **TRI_RECYCLING_PROCESS**
220	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 ma used for releases of less than 1000 pounds. This field a in RY 2003 *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE (Value = 'SI_5.5.3A') *Reference:* Part II, Section 5.5.3a col. A

Mum.	Field Name	Type	Description
221	RCRA C SURFACE IMPOUNDMENT - RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters zero. This field added in RY 2003. Facilities can not 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
222	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 (#210) is not blank, its contents are used as the total. If blank, the middle of the range for the code used in the fi RCRA C SURFACE IMPOUNDMENT – RANGE CO (#211) is used for the total emission value. This field ad in RY 2003. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None
223	RCRA C 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 5.5.3a col. B

Mum.	Field Name	Type	Description
224	OTHER SURFACE IMPOUNDMENT - RELEASE POUNDS	N	An estimate of the total amount of the toxic chemical (pounds/year) released into Other surface impoundment the reporting facility. Range codes may be used for relea of less than 1000 pounds. This field added in RY 2003 *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE (Value = 'SI_5.5.3B') *Reference:* Part II, Section 5.5.3b col. A
225	OTHER SURFACE IMPOUNDMENT - RANGE CODE	C	For releases less than 1,000 lbs, this field provides the c used to indicate the amount of the toxic chemical releas annually from the reporting facility within a range. If n the submitter enters zero. This field added in RY 2003. Facilities can not 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 5.5.3b col. A
226	TOTAL OTHER SURFACE IMPOUNDMENTS	N	System generated total for Other surface impoundment releases (pounds/year). If the field RCRA C SURFACE IMPOUNDMENT – RELEASE POUNDS (#214) is not blank, its contents are used as the total. If it is blank, th middle of the range for the code used in the field RCRA SURFACE IMPOUNDMENT – RANGE CODE (#215 used for the total emission value. This field added in R 2003. *Source:* **TRI_RELEASE_QTY.** TOTAL_RELEASE, or **TRI_RELEASE_QTY.** RELEASE_RANGE_CODE *Reference:* None

Mum.	Field Name	Type	Description
227	OTHER 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 5.5.3b col. B
228	RCRA SUBTITLE C SURFACE IMPOUNDMENTS	N	Total amount reported as "RCRA Subtitle C Surface Impoundment" M Code (**M66**). Amounts are in grams Dioxins and pounds for all other chemicals. This field a in RY 2003. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
229	OTHER SURFACE IMPOUNDMENTS	N	Total amount reported as "Other Surface Impoundments Code (**M67**). Amounts are in grams for Dioxins and po for all other chemicals. This field added in RY 2003. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
230	UNDERGROUND INJECTION TO CLASS I WELLS	N	Total amount reported as underground injection to class wells, M Code (**M81**). Amounts are in grams for Dioxi and pounds for all other chemicals. This field added in 2003. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
231	UNDERGROUND INJECTION TO CLASS II-V WELLS	N	Total amount, in pounds, reported as underground inject to class II-V wells, M Code (**M82**). Amounts are in gra for Dioxins and pounds for all other chemicals. This fie added in RY 2003. *Source:* **TRI_TRANSFER_QTY.**TOTAL_ TRANSFER + **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
232	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
233	PUBLIC CONTACT EMAIL	C	Email address of the individual at a TRI facility (report who the public may contact if clarification of data is nee *Source:* **TRI_REPORTING_FORM.**PUBLIC_ CONTACT_PERSON_EMAIL *Reference:* Part I, Section 4.4
234	REVISION CODE 1	C	Code indicating the reason the Facility revised its data. 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	REVISION CODE 2	C	Code indicating the reason the Facility revised its data. 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_
236	METAL_IND	C	Code indicating whether the 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

Section 7B. On-Site Energy Recovery Processes

U01 Industrial Kiln
U02 Industrial Furnace
U03 Industrial Boiler

Section 7C. On-Site Recycling Processes

H10 Metal recovery (by retorting, smelting, or chemical or physical extraction)
H20 Solvent recovery (including distillation, evaporation, fractionation or extraction)
H39 Other recovery or reclamation for reuse (including acid regeneration or other chemical reaction process)

Crosswalk for Section 7A, Column B. Waste Treatment Method (s) Sequence

Air Emissions Treatment (applicable to gaseous waste streams only) (No change - same as previous codes)			
A01	Flare		
A02	Condenser		
A03	Scrubber		
A04	Absorber		
A05	Electrostatic Precipitator		
A06	Mechanical Separation		
A07	Other Air Emission Treatment		
Previous Codes		**New Codes (adapted from RCRA Hazardous Waste Management Codes)**	
Biological Treatment:			
B11	Aerobic	H081	Biological treatment with or without precipitation
B21	Anaerobic	H081	Biological treatment with or without precipitation
B31	Facultative	H081	Biological treatment with or without precipitation
B99	Other Biological Treatment	H081	Biological treatment with or without precipitation

Previous Codes		New Codes (adapted from RCRA Hazardous Waste Management Codes)	
Chemical Treatment:			
C01	Chemical Precipitation B Lime or Sodium Hydroxide	H071	Chemical reduction with or without precipitation
C02	Chemical Precipitation B Sulfide	H071	Chemical reduction with or without precipitation
C09	Chemical Precipitation B Other	H077	Other chemical precipitation with or without pre-treatment
C11	Neutralization	H121	Neutralization
C21	Chromium Reduction	H071	Chemical reduction with or without precipitation
C31	Complexed Metals Treatment (other than pH adjustment)	H129	Other treatment
C41	Cyanide Oxidation B Alkaline Chlorination	H073	Cyanide destruction with or without precipitation
C42	Cyanide Oxidation B Electrochemical	H073	Cyanide destruction with or without precipitation
C43	Cyanide Oxidation B Other	H073	Cyanide destruction with or without precipitation
C44	General Oxidation (including Disinfection) B Chlorination	H075	Chemical oxidation
C45	General Oxidation (including Disinfection) B Ozonation	H075	Chemical oxidation
C46	General Oxidation (including Disinfection) B Other	H075	Chemical oxidation
C99	Other Chemical Treatment	H129	Other treatment
Incineration/Thermal Treatment: (Note: Only report combustion for the purposes of incineration/thermal treatment in Section 7A. If the method involves combustion for the purposes of energy recover, report as U01, U02, or U03 in Section 7B. If the method involves combustion for the purposes of materials recovery, report as H39 in Section 7C.)			
F01	Liquid Injection	H040	Incineration B thermal destruction other than use as a fuel
F11	Rotary Kiln with Liquid Injection Unit	H040	Incineration B thermal destruction other than use as a fuel

F19	Other Rotary Kiln	H040	Incineration B thermal destruction other than use as a fuel
F31	Two Stage	H040	Incineration B thermal destruction other than use as a fuel
F41	Fixed Hearth	H040	Incineration B thermal destruction other than use as a fuel
Previous Codes		New Codes (adapted from RCRA Hazardous Waste Management Codes)	
F42	Multiple Hearth	H040	Incineration B thermal destruction other than use as a fuel
F51	Fluidized Bed	H040	Incineration B thermal destruction other than use as a fuel
F61	Infra-Red	H040	Incineration B thermal destruction other than use as a fuel
F71	Fume/Vapor	H040	Incineration B thermal destruction other than use as a fuel
F81	Pyrolytic destructor	H040	Incineration B thermal destruction other than use as a fuel
F82	Wet air oxidation	H076	Wet air oxidation
F83	Thermal Drying/Dewatering	H122	Evaporation
F99	Other Incineration/Thermal Treatment	H040	Incineration B thermal destruction other than use as a fuel
Physical Treatment:			
P01	Equalization	H129	Other treatment
P09	Other blending	H129	other treatment
P11	Settling/clarification	H123	Settling or clarification
P12	Filtration	H123	Settling or clarification
P13	Sludge dewatering (non-thermal)	H101	Sludge treatment and/or dewatering
P14	Air flotation	H124	Phase separation
P15	Oil skimming	H124	Phase separation
P16	Emulsion breaking B thermal	H124	Phase separation
P17	Emulsion breaking B chemical	H124	Phase separation
P18	Emulsion breaking B other	H124	Phase separation
P19	Other liquid phase separation	H124	Phase separation

P21	Adsorption B Carbon	H082	Adsorption
P22	Adsorption B Ion exchange (other than for recovery/reuse)	H082	Adsorption
P23	Adsorption B Resin	H082	Adsorption
P29	Adsorption B Other	H082	Adsorption
P31	Reverse Osmosis (other than for recover/reuse)	H129	Other treatment
P41	Stripping B Air	H083	Air or steam stripping
P42	Stripping B Steam	H083	Air or steam stripping
Previous Codes		New Codes (adapted from RCRA Hazardous Waste Management Codes)	
P49	Stripping B Other	H083	Air or steam stripping
P51	Acid Leaching (other than for recovery/reuse)	H129	Other treatment
P61	Solvent Extraction (other than recovery/reuse)	H129	Other treatment
P99	Other Physical Treatment	H129	Other treatment
Solidification/Stabilization:			
G01	Cement processes (including silicates)	H111	Stabilization or chemical fixation prior to disposal
G09	Other Pozzolonic Processes (including silicates)	H111	Stabilization or chemical fixation prior to disposal
G11	Asphaltic Techniques	H111	Stabilization or chemical fixation prior to disposal
G20	Thermoplastic Techniques	H111	Stabilization or chemical fixation prior to disposal
G99	Other Solidification Processes	H111	Stabilization or chemical fixation prior to disposal

Appendix B: Chemical Classifications

Category 1 Metals
ANTIMONY
ANTIMONY COMPOUNDS
ARSENIC
ARSENIC COMPOUNDS
BERYLLIUM
BERYLLIUM COMPOUNDS
CADMIUM
CADMIUM COMPOUNDS
CHROMIUM
CHROMIUM COMPOUNDS (EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)
COBALT
COBALT COMPOUNDS
COPPER
COPPER COMPOUNDS
LEAD
LEAD COMPOUNDS
MANGANESE
MANGANESE COMPOUNDS
MERCURY
MERCURY COMPOUNDS
NICKEL
NICKEL COMPOUNDS
SELENIUM
SELENIUM COMPOUNDS
SILVER
SILVER COMPOUNDS
THALLIUM
THALLIUM COMPOUNDS
VANADIUM COMPOUNDS
ZINC COMPOUNDS

Category 2 Metals
ALUMINUM OXIDE (FIBROUS FORMS)
ALUMINUM PHOSPHIDE
ASBESTOS (FRIABLE)
BIS(TRIBUTYLTIN) OXIDE
BORON TRICHLORIDE
BORON TRIFLUORIDE
C.I. DIRECT BLUE 218
C.I. DIRECT BROWN 95
FENBUTATIN OXIDE
FERBAM
IRON PENTACARBONYL
LITHIUM CARBONATE
MANEB
METIRAM
MOLYBDENUM TRIOXIDE
OSMIUM TETROXIDE
POTASSIUM BROMATE
SODIUM NITRITE
THORIUM DIOXIDE
TITANIUM TETRACHLORIDE
TRIBUTYLTIN FLUORIDE
TRIBUTYLTIN METHACRYLATE
TRIPHENYLTIN CHLORIDE
TRIPHENYLTIN HYDROXIDE
ZINEB

Category 3 Metals
BARIUM
BARIUM COMPOUNDS

Category 4 Metals
ALUMINUM (FUME OR DUST)
VANADIUM (EXPEPT WHEN CONTIANED IN AN ALLOY)
ZINC (FUME OR DUST)