Toxics Release Inventory
FILE TYPE 2b

(Detailed On-Site Waste Treatment Methods and Efficiency)

Basic Plus Data File Format Documentation v15

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1.0 Overview

The Toxics Release Inventory (TRI) Basic Plus Data Files are a set of seven files that collectively contain all the data that were submitted on the TRI Reporting Form R or Certification Statement (Form A) by facilities in a selected state. The data in these files have been extracted from the Envirofacts database system. The seven files and their contents are as follows:

File	Example	Description of Contents	Form R or A Referenc
Type 2B	CA_2B_2015_v15.txt	Detailed Waste Management	Part I (sections 1,2,4,5) Part II (sections.1, 7.A)

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_2B_2015_v15.txt" contains the Detailed On-Site Waste Treatment Methods and Efficiency (File Type 2B) 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_2B_2015_v15.txtwhich 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_2B_2015_v15.txt.

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 2B

File Type 2B primarily contains data from Part II, Section 7A of the Form R, "On-site Waste Treatment Methods and Efficiency." In addition, this file contains most of the Facility identification information from Part I of the Form R (and Form A) and the Chemical Identification data from Part II, section 1.

Part	Section	Description
I	1	Reporting Year
I	1	Revision Codes
I	2.1	Trade Secret Indicator
I	4	Facility Identification Information
I	5	Parent Company Information
I	1	Chemical Identification Data
II	7.A.a	General Waste Stream Identification Code
II	7.A.b	Waste Treatment Methods
II	7.A.c	Range of Influent of Concentration
II	7.A.d	Waste Treatment Efficiency Estimate
II	7.A.e	Based on Operating Data

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 2B	*	P2		*	*	*													127

Notes:

P2 - Only 2.1 Trade Secret Indicator

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 2B: Detailed Waste Management

Mum.	Field Name	Type	Description
1	REPORTING YEAR	C	The calendar year in which the reported activities occur. *Source:* **TRI_REPORTING_FORM**. REPORTING YEAR *Reference:* Part I, Section 1
2	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 System database. *Source*: **TRI_REPORTING_FORM**.TRADE_SECRET_ IND *Reference*: Part I, Section 2.1
3	TRIFID	C	Facility identification in the format zzzzznnnnnsssss where usually zzzzz = facility zip code, nnnnn = first five consonants of the name, and sssss = first five non-special characters in the street address. The three sections of the format were separated by hypens prior to RY 2006. NOTE: The contents of this field is <u>not</u> changed to match facility ownership, or zip code changes. Rather, the TRI Facility ID identifies a specific geographical location which is also identified by the latitude and longitude of that location. *Source*: **TRI_FACILITY**.TRI_FACILITY_ID *Reference*: Part I, Section 4.1
4	FACILITY NAME	C	Name of the reporting facility. *Source*: **TRI_FACILITY**.FACILITY_NAME *Reference*: Part I, Section 4.1
5	FACILITY STREET	C	Street address of the reporting facility. *Source*: **TRI_FACILITY**.STREET_ADDRESS *Reference*: Part I, Section 4.1
6	FACILITY CITY	C	City in which the reporting facility is located. *Source*: **TRI_FACILITY**.CITY_NAME *Reference*: Part I, Section 4.1
7	FACILITY COUNTY	C	County in which the reporting facility is located. *Source*: **TRI_FACILITY**.COUNTY_NAME *Reference*: Part I, Section 4.1

Mum.	Field Name	Type	Description
8	FACILITY STATE	C	Two-letter state code of the reporting facility. *Source*: **TRI_FACILITY**.STATE_ABBR *Reference*: Part I, Section 4.1
9	FACILITY ZIP CODE	C	Zip code of the reporting facility. *Source*: **TRI_FACILITY**. ZIP_CODE *Reference*: Part I, Section 4.1
10	BIA_CODE	C	Three-letter code indicating the tribal land a facility is on. *Source:* **FACILITY.BIA_TRIBAL_CODE**
11	TRIBE	C	INDIAN_COUNTRY_NAME The name of the Tribe. *Source:* **V_INDIAN_COUTRY.**
12	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
13	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
14	FEDERAL FACILITY IND	C	Code indicating whether a facility is Federal or not. Yes = Federal No = non-Federal or GOCO Value reported by facility. *Source*: **TRI_REPORTING_FORM**.FEDERAL_FAC_ IND Form R: Part I Section 4.2c
15	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

Mum.	Field Name	Type	Description
16	PRIMARY SIC CODE	C	Primary four-digit Standard Industrial Classification (SIC) Code. *Source*: **TRI_SUBMISSION_SIC**.SIC_CODE *Reference*: Part I, Section 4.5a
17	SIC CODE 2	C	Second four-digit Standard Industrial Classification (SIC) Code entered by facility. *Source*: **TRI_SUBMISSION_SIC**.SIC_CODE *Reference*: Part I, Section 4.5b
18	SIC CODE 3	C	Third four-digit Standard Industrial Classification (SIC) Code entered by facility. *Source*: **TRI_SUBMISSION_SIC**.SIC_CODE *Reference*: Part I, Section 4.5c
19	SIC CODE 4	C	Fourth four-digit Standard Industrial Classification (SIC) Code entered by facility. *Source*: **TRI_SUBMISSION_SIC**.SIC_CODE *Reference*: Part I, Section 4.5d
20	SIC CODE 5	C	Fifth four-digit Standard Industrial Classification (SIC) Code entered by facility. *Source*: **TRI_SUBMISSION_SIC**.SIC_CODE *Reference*: Part I, Section 4.5e
21	SIC CODE 6	C	Sixth four-digit Standard Industrial Classification (SIC) Code entered by facility. *Source*: **TRI_SUBMISSION_SIC**.SIC_CODE *Reference*: Part I, Section 4.5f
22	NAICS ORIGIN	C	Indicates whether NAICS codes were reported or assigned. R = Reported A = Assigned
23	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
24	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

Mum.	Field Name	Type	Description
25	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
26	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
27	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
28	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
29	LATITUDE	N	The Latitude value that best represents the facility according to EPA's Facility Registry System (FRS). In RY 2005, TRI 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**
30	LONGITUDE	N	The Longitude value that best represents the facility according to EPA's Facility Registry System (FRS). In RY 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**
31	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
32	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

Mum.	Field Name	Type	Description
33	RCRA NR A	C	Twelve-digit alphanumeric identifier assigned by EPA under the res*ource* 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**
34	RCRA NR B	C	Twelve-digit alphanumeric identifier assigned by EPA under the res*ource* 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**
35	NPDES NR A	C	Nine-digit alphanumeric identifier assigned to a facility under EPA's National Pollutant Discharge Elimination System. In RY 2005, TRI stopped collecting NPDES Ids and began obtaining them from EPA's Facility Registry System (FRS). *Source:* **EPA's Facility Registry System**
36	NPDES NR B	C	Nine-digit alphanumeric identifier assigned to a facility under EPA's National Pollutant Discharge Elimination System. In RY 2005, TRI stopped collecting NPDES Ids and began obtaining them from EPA's Facility Registry System (FRS). *Source:* **EPA's Facility Registry System**
37	UIC NR A	C	Underground injection identification number, assigned by EPA or the state, to a facility. In RY 2005, TRI stopped collecting UIC Ids and began obtaining them from EPA's Facility Registry System (FRS). *Source:* **EPA's Facility Registry System**
38	UIC NR B	C	Underground injection identification number, assigned by EPA or the state, to a facility. In RY 2005, TRI stopped collecting UIC Ids and began obtaining them from EPA's Facility Registry System (FRS). *Source:* **EPA's Facility Registry System**
39	PARENT COMPANY NAME	C	Name of the corporation or other business entity that owns or controls the reporting facility. *Source*: **TRI_FACILITY**.PARENT_CO_NAME NAME *Reference*: Part I, Section 5.1
40	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

Mum.	Field Name	Type	Description
41	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 *Format:* FORMR. (13 + RY + DOC_TYPE + SEQ_NUM + Check digit) *Reference*: NA (System generated)
42	CAS NUMBER	C	Chemical Abstracts Service (CAS) Registry Number for that 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_FOMR**.TRI_CHEM_ID *Reference*: Part II, Section 1.1
43	CHEMICAL NAME	C	Name of the chemical or generic name if the chemical is claimed as a trade secret. *Source*: **TRI_REPORTING_FORM**.CAS_CHEM_ NAME *Reference*: Part II, Section 1.2 or Part II, Section 1.3
44	CLASSIFICATION	C	Indicates the classification of the chemical. Chemicals can be classified as either a Dioxin or Dioxin-like compound, a PBT (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
45	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

Mum.	Field Name	Type	Description
46	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_1 *Reference*: Part II, Section 1.4
47	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_2 *Reference*: Part II, Section 1.4
48	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_3 *Reference*: Part II, Section 1.4
49	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_4 *Reference*: Part II, Section 1.4

Mum.	Field Name	Type	Description
50	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_5 *Reference*: Part II, Section 1.4
51	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-like compound. Values are either 0 or a number between 0.01 and 100 (inclusive). *Source***: TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_6 *Reference*: Part II, Section 1.4
52	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_7 *Reference*: Part II, Section 1.4
53	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_8 *Reference*: Part II, Section 1.4

Mum.	Field Name	Type	Description
54	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_9 *Reference*: Part II, Section 1.4
55	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_10 *Reference*: Part II, Section 1.4
56	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_11 *Reference*: Part II, Section 1.4
57	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_12 *Reference*: Part II, Section 1.4

Mum.	Field Name	Type	Description
58	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_13 *Reference*: Part II, Section 1.4
59	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_14 *Reference*: Part II, Section 1.4
60	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_15 *Reference*: Part II, Section 1.4
61	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 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_16 *Reference*: Part II, Section 1.4

Mum.	Field Name	Type	Description
62	DIOXIN DISTRIBUTION 17	N	Indicates the percentage of 2,3,78 Tetrachlorodibenzo- p-dioxin (CAS # 01746-01-6) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_17 *Reference*: Part II, Section 1.4
63	STREAM 1 - WASTE STREAM CODE	C	This field provides the indicator that shows the type of general waste stream containing the reported chemical that is being treated. Indicator values are as follows: A = gaseous W = wastewater L = liquid waste S = solid waste *Source*: **TRI_ONSITE_WASTESTREAM**. WASTESTREAM_CODE *Reference*: Part II, Section 7A.1a
64	STREAM 1 - TRTMT METHOD - SEQUENCE 1	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.1b
65	STREAM 1 - TRTMT METHOD - SEQUENCE 2	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.1b
66	STREAM 1 - TRTMT METHOD - SEQUENCE 3	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.1b

Mum.	Field Name	Type	Description
67	STREAM 1 -TRTMT METHOD - SEQUENCE 4	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.1b
68	STREAM 1 - TRTMT METHOD - SEQUENCE 5	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.1b
69	STREAM 1 - TRTMT METHOD - SEQUENCE 6	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.1b
70	STREAM 1 - TRTMT METHOD - SEQUENCE 7	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.1b
71	STREAM 1 - TRTMT METHOD - SEQUENCE 8	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.1b

Mum.	Field Name	Type	Description
72	STREAM 1 - RANGE INFLUENT CONCENT	C	Code corresponding to the range concentration of the toxic chemical as it typically enters the specified waste treatment step or sequence. This data no longer collected in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. INFLUENT_CONC_RANGE *Reference*: Part II, Section 7A.1c
73	STREAM 1 - TRTMT EFFICIENCY EST	N	Estimate of the percentage of the toxic chemical removed from the waste stream through destruction, biological degradation, chemical conversion, or physical removal of the chemical from the waste stream being treated. Estimate reported as a range code in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. TREATMENT_EFFICIENCY_EST *Reference*: Part II, Section 7A.1.d
74	STREAM 1 - BASED ON OPERATING DATA?	C	Indicates that the information given in the EFFICIENCY field is based on operating data. Value is either **"**yes" or "no". This data no longer collected as of RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. OPERATING_DATA_IND *Reference*: Part II, Section 7A.1.e
75	STREAM 2 - WASTE STREAM CODE	C	The indicator that shows the type of general waste stream containing the reported chemical that is being treated. Indicator values are as follows: A = gaseous W = wastewater L = liquid waste S = solid waste *Source*: : **TRI_ONSITE_WASTESTREAM**. WASTESTREAM_CODE *Reference*: Part II, Section 7A.2a
76	STREAM 2 - TRTMT METHOD - SEQUENCE 1	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.2b

Mum.	Field Name	Type	Description
77	STREAM 2 - TRTMT METHOD - SEQUENCE 2	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.2b
78	STREAM 2 - TRTMT METHOD - SEQUENCE 3	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: V_TREATMENT.TREATMENT_ CODE *Reference*: Part II, Section 7A.2b
79	STREAM 2 -TRTMT METHOD - SEQUENCE 4	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.2b
80	STREAM 2 - TRTMT METHOD - SEQUENCE 5	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.2b
81	STREAM 2 - TRTMT METHOD - SEQUENCE 6	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.2b

Mum.	Field Name	Type	Description
82	STREAM 2 - TRTMT METHOD - SEQUENCE 7	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.2b
83	STREAM 2 - TRTMT METHOD - SEQUENCE 8	C	Code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.2b
84	STREAM 2 - RANGE INFLUENT CONCENT	C	Code corresponding to the range concentration of the toxic chemical as it typically enters the specified waste treatment step or sequence. This data no longer collected in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. INFLUENT_CONC_RANGE *Reference*: Part II, Section 7A.2c
85	STREAM 2 - TRTMT EFFICIENCY EST	N	The estimate of the percentage of the toxic chemical removed from the waste stream through destruction, biological degradation, chemical conversion, or physical removal of the chemical from the waste stream being treated. Estimate reported as a range code in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. TREATMENT_EFFICIENCY_EST *Reference*: Part II, Section 7A.2.d
86	STREAM 2 - BASED ON OPERATING DATA?	C	This field indicates that the information given in the EFFICIENCY field is based on operating data. Value is either "yes" or "no". This data no longer collected as of RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. OPERATING_DATA_IND *Reference*: Part II, Section 7A.2.e

Mum.	Field Name	Type	Description
87	STREAM 3 - WASTE STREAM CODE	C	Provides the indicator that shows the type of general waste stream containing the reported chemical that is being treated. Indicator values are as follows: A = gaseous W = wastewater L = liquid waste S = solid waste *Source*: **TRI_ONSITE_WASTESTREAM**. WASTESTREAM_CODE *Reference*: Part II, Section 7A.3a
88	STREAM 3 - TRTMT METHOD - SEQUENCE 1	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.3b
89	STREAM 3 - TRTMT METHOD - SEQUENCE 2	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.3b
90	STREAM 3 - TRTMT METHOD - SEQUENCE 3	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.3b
91	STREAM 3 -TRTMT METHOD - SEQUENCE 4	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.3b

Mum.	Field Name	Type	Description
92	STREAM 3 - TRTMT METHOD - SEQUENCE 5	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.3b
93	STREAM 3 - TRTMT METHOD - SEQUENCE 6	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.3b
94	STREAM 3 - TRTMT METHOD - SEQUENCE 7	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.3b
95	STREAM 3 - TRTMT METHOD - SEQUENCE 8	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.3b
96	STREAM 3 - RANGE INFLUENT CONCENT	C	Provides the code corresponding to the range concentration of the toxic chemical as it typically enters the specified waste treatment step or sequence. This data no longer collected in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. INFLUENT_CONC_RANGE *Reference*: Part II, Section 7A.3c

Mum.	Field Name	Type	Description
97	STREAM 3 - TRTMT EFFICIENCY EST	N	Provides the estimate of the percentage of the toxic chemical removed from the waste stream through destruction, biological degradation, chemical conversion, or physical removal of the chemical from the waste stream being treated. Estimate reported as a range code in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. TREATMENT_EFFICIENCY_EST *Reference*: Part II, Section 7A.3.d
98	STREAM 3 - BASED ON OPERATING DATA?	C	Indicates that the information given in the EFFICIENCY field is based on operating data. Value is either "yes" or "no". This data no longer collected as of RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. OPERATING_DATA_IND *Reference*: Part II, Section 7A.3.e
99	STREAM 4 - WASTE STREAM CODE	C	Provides the indicator that shows the type of general waste stream containing the reported chemical that is being treated. Indicator values are as follows: A = gaseous W = wastewater L = liquid waste S = solid waste *Source*: **TRI_ONSITE_WASTESTREAM**. WASTESTREAM_CODE *Reference*: Part II, Section 7A.4a
100	STREAM 4 - TRTMT METHOD - SEQUENCE 1	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.4.b
101	STREAM 4 - TRTMT METHOD - SEQUENCE 2	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.4.b

Mum.	Field Name	Type	Description
102	STREAM 4 - TRTMT METHOD - SEQUENCE 3	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.4.b
103	STREAM 4 -TRTMT METHOD - SEQUENCE 4	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.4.b
104	STREAM 4 - TRTMT METHOD - SEQUENCE 5	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.4.b
105	STREAM 4 - TRTMT METHOD - SEQUENCE 6	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.4.b
106	STREAM 4 - TRTMT METHOD - SEQUENCE 7	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.4.b

Mum.	Field Name	Type	Description
107	STREAM 4 - TRTMT METHOD - SEQUENCE 8	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.4.b
108	STREAM 4 - RANGE INFLUENT CONCENT	C	Provides the code corresponding to the range concentration of the toxic chemical as it typically enters the specified waste treatment step or sequence. This data no longer collected in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. INFLUENT_CONC_RANGE *Reference*: Part II, Section 7A.4.c
109	STREAM 4 - TRTMT EFFICIENCY EST	N	Provides the estimate of the percentage of the toxic chemical removed from the waste stream through destruction, biological degradation, chemical conversion, or physical removal of the chemical from the waste stream being treated. Estimate reported as a range code in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. TREATMENT_EFFICIENCY_EST *Reference*: Part II, Section 7A.4.d
110	STREAM 4 - BASED ON OPERATING DATA?	C	Indicates that the information given in the EFFICIENCY field is based on operating data. Value is either "yes" or "no". This data no longer collected as of RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. OPERATING_DATA_IND *Reference*: Part II, Section 7A.4.e
111	STREAM 5 - WASTE STREAM CODE	C	Provides the indicator that shows the type of general waste stream containing the reported chemical that is being treated. Indicator values are as follows: A = gaseous W = wastewater L = liquid waste S = solid waste *Source*: **TRI_ONSITE_WASTESTREAM**. WASTESTREAM_CODE *Reference*: Part II, Section 7A.5a

Mum.	Field Name	Type	Description
112	STREAM 5 - TRTMT METHOD - SEQUENCE 1	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.5.b
113	STREAM 5 - TRTMT METHOD - SEQUENCE 2	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.5.b
114	STREAM 5 - TRTMT METHOD - SEQUENCE 3	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.5.b
115	STREAM 5 -TRTMT METHOD - SEQUENCE 4	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.5.b
116	STREAM 5 - TRTMT METHOD - SEQUENCE 5	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.5.b

Mum.	Field Name	Type	Description
117	STREAM 5 - TRTMT METHOD - SEQUENCE 6	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.5.b
118	STREAM 5 - TRTMT METHOD - SEQUENCE 7	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.5.b
119	STREAM 5 - TRTMT METHOD - SEQUENCE 8	C	Provides the code corresponding to the treatment method used on waste stream containing the reported chemical, regardless of whether the waste treatment method actually removes the specific chemical being reported. Some new codes for RY 2006. See Appendix A. *Source*: **TRI_ONSITE_WASTE_TREATMENT_ MET**.TREATMENT_METHOD_CODE *Reference*: Part II, Section 7A.5.b
120	STREAM 5 - RANGE INFLUENT CONCENT	C	Provides the code corresponding to the range concentration of the toxic chemical as it typically enters the specified waste treatment step or sequence. This data no longer collected in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. INFLUENT_CONC_RANGE *Reference*: Part II, Section 7A.5.c
121	STREAM 5 - TRTMT EFFICIENCY EST	N	Provides the estimate of the percentage of the toxic chemical removed from the waste stream through destruction, biological degradation, chemical conversion, or physical removal of the chemical from the waste stream being treated. Estimate reported as a range code in RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. TREATMENT_EFFICIENCY_EST *Reference*: Part II, Section 7A.5.d

Mum.	Field Name	Type	Description
122	STREAM 5 - BASED ON OPERATING DATA	C	Indicates that the information given in the EFFICIENCY field is based on operating data. Value is either "yes" or "no". This data no longer collected as of RY 2006. *Source*: **TRI_ONSITE_WASTESTREAM**. OPERATING_DATA_IND *Reference*: Part II, Section 7A.5.e
123	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
124	PUBLIC CONTACT EMAIL	C	Email address of the individual at a TRI facility (reporter) who the public may contact if clarification of data is needed. *Source:* **TRI_REPORTING_FORM.**PUBLIC_ CONTACT_PERSON_EMAIL *Reference:* Part I, Section 4.4
125	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_1
126	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_1
127	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)