

Toxics Release Inventory

FILE TYPE 2B

(Detailed On-Site Waste Treatment Methods and Efficiency)

Basic Plus Data File Format

Documentation v14



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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:

| <u>File</u> | <u>Example</u> | <u>Description of Contents</u> | <u>Form R or A Reference</u> |
|-------------|--------------------|--------------------------------|--|
| Type 2B | CA_2B_2013_v13.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_2013_v13.txt” contains the Detailed On-Site Waste Treatment Methods and Efficiency (File Type 2B) for all facilities located in California (CA) for reporting year 2013. The version number is “v13”. The “v13” signifies that the file was created with Reporting Year 2013 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_2013_v13.txt 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_2B_2013_v13.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

2.1 Part II, Section 8.11

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3.0 Mapping the Form R/A Sections to each File

| | Part I | | | | | Part II | | | | | | | | | | | | | Total Fields |
|---------|--------|----|---|---|---|---------|---|---|---|---|-------|-------|-----|--------|----|----|----|---|--------------|
| | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 | 6.1.A | 6.1.B | 6.2 | 6.2abc | 7A | 7B | 7C | 8 | |
| 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 <i>Source</i> (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

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|------------------------|-------------|---|
| 1 | REPORTING YEAR | C | The calendar year in which the reported activities occur. <i>Source: TRI_REPORTING_FORM.REPORTING_YEAR</i> <i>Reference: Part I, Section 1</i> |
| 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. <i>Source: TRI_REPORTING_FORM.TRADE_SECRET_IND</i> <i>Reference: Part I, Section 2.1</i> |
| 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. <i>Source: TRI_FACILITY.TRI_FACILITY_ID</i> <i>Reference: Part I, Section 4.1</i> |
| 4 | FACILITY NAME | C | Name of the reporting facility. <i>Source: TRI_FACILITY.FACILITY_NAME</i> <i>Reference: Part I, Section 4.1</i> |
| 5 | FACILITY STREET | C | Street address of the reporting facility. <i>Source: TRI_FACILITY.STREET_ADDRESS</i> <i>Reference: Part I, Section 4.1</i> |
| 6 | FACILITY CITY | C | City in which the reporting facility is located. <i>Source: TRI_FACILITY.CITY_NAME</i> <i>Reference: Part I, Section 4.1</i> |
| 7 | FACILITY COUNTY | C | County in which the reporting facility is located. <i>Source: TRI_FACILITY.COUNTY_NAME</i> <i>Reference: Part I, Section 4.1</i> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|----------------------|-------------|--|
| 8 | FACILITY STATE | C | Two-letter state code of the reporting facility. <i>Source:</i> TRI_FACILITY.STATE_ABBR <i>Reference:</i> Part I, Section 4.1 |
| 9 | FACILITY ZIP CODE | C | Zip code of the reporting facility. <i>Source:</i> TRI_FACILITY.ZIP_CODE <i>Reference:</i> Part I, Section 4.1 |
| 10 | BIA_CODE | C | Three-letter code indicating the tribal land a facility is on. <i>Source:</i> FACILITY.BIA_TRIBAL_CODE |
| 11 | TRIBE | C | INDIAN_COUNTRY_NAME The name of the Tribe. <i>Source:</i> 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 <i>Source:</i> TRI_REPORTING_FORM.ENTIRE_FAC <i>Reference:</i> 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 <i>Source:</i> TRI_REPORTING_FORM.PARTIAL_FAC <i>Reference:</i> 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. <i>Source:</i> 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 <i>Source:</i> TRI_REPORTING_FORM.GOCO_FLAG Form R: Part I Section 4.2d |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|--------------------|-------------|---|
| 16 | PRIMARY SIC CODE | C | Primary four-digit Standard Industrial Classification (SIC) Code. <i>Source:</i> TRI_SUBMISSION_SIC.SIC_CODE <i>Reference:</i> Part I, Section 4.5a |
| 17 | SIC CODE 2 | C | Second four-digit Standard Industrial Classification (SIC) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_SIC.SIC_CODE <i>Reference:</i> Part I, Section 4.5b |
| 18 | SIC CODE 3 | C | Third four-digit Standard Industrial Classification (SIC) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_SIC.SIC_CODE <i>Reference:</i> Part I, Section 4.5c |
| 19 | SIC CODE 4 | C | Fourth four-digit Standard Industrial Classification (SIC) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_SIC.SIC_CODE <i>Reference:</i> Part I, Section 4.5d |
| 20 | SIC CODE 5 | C | Fifth four-digit Standard Industrial Classification (SIC) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_SIC.SIC_CODE <i>Reference:</i> Part I, Section 4.5e |
| 21 | SIC CODE 6 | C | Sixth four-digit Standard Industrial Classification (SIC) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_SIC.SIC_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_SUBMISSION_NAICS.NAICS_CODE <i>Where:</i> primary_ind => 1 <i>Reference:</i> Part I, Section 4.5a |
| 24 | NAICS CODE 2 | C | Second six-digit North American Standard Industry Classification System (NAICS) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_NAICS.NAICS_CODE <i>Where:</i> naics_sequence_num = 2 <i>Reference:</i> Part I, Section 4.5b |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|-------------------|-------------|--|
| 25 | NAICS CODE 3 | C | Third six-digit North American Standard Industry Classification System (NAICS) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_NAICS.NAICS_CODE <i>Where:</i> naics_sequence_num = 3 <i>Reference:</i> Part I, Section 4.5b |
| 26 | NAICS CODE 4 | C | Forth six-digit North American Standard Industry Classification System (NAICS) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_NAICS.NAICS_CODE <i>Where:</i> naics_sequence_num = 4 <i>Reference:</i> Part I, Section 4.5b |
| 27 | NAICS CODE 5 | C | Fifth six-digit North American Standard Industry Classification System (NAICS) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_NAICS.NAICS_CODE <i>Where:</i> naics_sequence_num = 5 <i>Reference:</i> Part I, Section 4.5b |
| 28 | NAICS CODE 6 | C | Sixth six-digit North American Standard Industry Classification System (NAICS) Code entered by facility. <i>Source:</i> TRI_SUBMISSION_NAICS.NAICS_CODE <i>Where:</i> naics_sequence_num = 6 <i>Reference:</i> 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). <i>Source:</i> 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). <i>Source:</i> EPA's Facility Registry System |
| 31 | D&B NR A | C | Unique identification number assigned by Dun and Bradstreet to the reporting facility. <i>Source:</i> TRI_FACILITY_DB.DB_NUM <i>Reference:</i> Part I, Section 4.7a |
| 32 | D&B NR B | C | Unique identification number assigned by Dun and Bradstreet to the reporting facility. <i>Source:</i> TRI_FACILITY_DB.DB_NUM <i>Reference:</i> Part I, Section 4.7b |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|-----------------------|-------------|--|
| 33 | RCRA NR A | C | Twelve-digit alphanumeric identifier assigned by EPA under the <i>resource</i> Conservation and Recovery Act. In RY 2005, TRI stopped collecting RCRA Ids and began obtaining them from EPA's Facility Registry System (FRS). <i>Source: EPA's Facility Registry System</i> |
| 34 | RCRA NR B | C | Twelve-digit alphanumeric identifier assigned by EPA under the <i>resource</i> Conservation and Recovery Act. In RY 2005, TRI stopped collecting RCRA Ids and began obtaining them from EPA's Facility Registry System (FRS). <i>Source: EPA's Facility Registry System</i> |
| 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). <i>Source: EPA's Facility Registry System</i> |
| 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). <i>Source: EPA's Facility Registry System</i> |
| 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). <i>Source: EPA's Facility Registry System</i> |
| 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). <i>Source: EPA's Facility Registry System</i> |
| 39 | PARENT COMPANY NAME | C | Name of the corporation or other business entity that owns or controls the reporting facility. <i>Source: TRI_FACILITY.PARENT_CO_NAME</i> NAME <i>Reference: Part I, Section 5.1</i> |
| 40 | PARENT COMPANY D&B NR | C | Unique identification number assigned by Dun and Bradstreet to the parent company of the reporting facility. <i>Source: TRI_FACILITY.PARENT_CO_DB_NUM</i> <i>Reference: Part I, Section 5.2</i> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|-------------------------|-------------|---|
| 41 | DOCUMENT CONTROL NUMBER | C | <p>Unique identification number assigned to each submission by EPA. Format: TTYMMMMNNNNNC, where TT = document type YY = reporting year MMM = document type NNNNN= sequential number C = check digit</p> <p><i>Source:</i> TRI_REPORTING_FORM.DOC_CTRL_NUM <i>Format:</i> FORMR. (13 + RY + DOC_TYPE + SEQ_NUM + Check digit) <i>Reference:</i> NA (System generated)</p> |
| 42 | CAS NUMBER | C | <p>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.</p> <p><i>Source:</i> TRI_REPORTING_FOMR.TRI_CHEM_ID <i>Reference:</i> Part II, Section 1.1</p> |
| 43 | CHEMICAL NAME | C | <p>Name of the chemical or generic name if the chemical is claimed as a trade secret.</p> <p><i>Source:</i> TRI_REPORTING_FORM.CAS_CHEM_NAME <i>Reference:</i> Part II, Section 1.2 or Part II, Section 1.3</p> |
| 44 | CLASSIFICATION | C | <p>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</p> <p>TRI = General EPCRA Section 313 Chem. PBT = Bioaccumulative and Toxic DIOXIN = Dioxin or Dioxin-like compound</p> <p><i>Source:</i> TRI_CHEM_INFO.CLASSIFICATION <i>Reference:</i> NONE</p> |
| 45 | UNIT OF MEASURE | C | <p>Indicates the unit of measure used to quantify the chemical. Values: {Pounds, Grams}</p> <p><i>Source:</i> TRI_CHEM_INFO.UNIT_OF_MEASURE <i>Reference:</i> NONE</p> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|-----------------------|-------------|---|
| 46 | DIOXIN DISTRIBUTION 1 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_1</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 47 | DIOXIN DISTRIBUTION 2 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_2</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 48 | DIOXIN DISTRIBUTION 3 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_3</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 49 | DIOXIN DISTRIBUTION 4 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_4</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|-----------------------|-------------|---|
| 50 | DIOXIN DISTRIBUTION 5 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_5</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 51 | DIOXIN DISTRIBUTION 6 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_6</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 52 | DIOXIN DISTRIBUTION 7 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_7</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 53 | DIOXIN DISTRIBUTION 8 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_8</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|------------------------|-------------|--|
| 54 | DIOXIN DISTRIBUTION 9 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_9</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 55 | DIOXIN DISTRIBUTION 10 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_10</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 56 | DIOXIN DISTRIBUTION 11 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_11</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 57 | DIOXIN DISTRIBUTION 12 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_12</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|------------------------|-------------|---|
| 58 | DIOXIN DISTRIBUTION 13 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_13</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 59 | DIOXIN DISTRIBUTION 14 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_14</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 60 | DIOXIN DISTRIBUTION 15 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_15</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 61 | DIOXIN DISTRIBUTION 16 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_16</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|--------------------------------------|-------------|--|
| 62 | DIOXIN DISTRIBUTION 17 | N | <p>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).</p> <p><i>Source: TRI_REPORTING_FORM. DIOXIN_DISTRIBUTION_17</i></p> <p><i>Reference: Part II, Section 1.4</i></p> |
| 63 | STREAM 1 - WASTE STREAM CODE | C | <p>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:</p> <p style="margin-left: 40px;">A = gaseous W = wastewater L = liquid waste S = solid waste</p> <p><i>Source: TRI_ONSITE_WASTESTREAM. WASTESTREAM_CODE</i></p> <p><i>Reference: Part II, Section 7A.1a</i></p> |
| 64 | STREAM 1 - TRTMT METHOD - SEQUENCE 1 | C | <p>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.</p> <p><i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i></p> <p><i>Reference: Part II, Section 7A.1b</i></p> |
| 65 | STREAM 1 - TRTMT METHOD - SEQUENCE 2 | C | <p>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.</p> <p><i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i></p> <p><i>Reference: Part II, Section 7A.1b</i></p> |
| 66 | STREAM 1 - TRTMT METHOD - SEQUENCE 3 | C | <p>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.</p> <p><i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i></p> <p><i>Reference: Part II, Section 7A.1b</i></p> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|---|-------------|--|
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.1b</i> |
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.1b</i> |
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.1b</i> |
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.1b</i> |
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.1b</i> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|--------------------------------------|-------------|---|
| 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM. INFLUENT_CONC_RANGE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM. TREATMENT_EFFICIENCY_EST <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM. OPERATING_DATA_IND <i>Reference:</i> 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 <i>Source:</i> : TRI_ONSITE_WASTESTREAM. WASTESTREAM_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_ MET.TREATMENT_METHOD_CODE <i>Reference:</i> Part II, Section 7A.2b |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|---|-------------|---|
| 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> V_TREATMENT.TREATMENT_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> Part II, Section 7A.2b |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|--------------------------------------|-------------|---|
| 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.INFLUENT_CONC_RANGE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.TREATMENT_EFFICIENCY_EST <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.OPERATING_DATA_IND <i>Reference:</i> Part II, Section 7A.2.e |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|---|-------------|--|
| 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 <i>Source:</i> TRI_ONSITE_WASTESTREAM.WASTESTREAM_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> Part II, Section 7A.3b |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|--------------------------------------|-------------|--|
| 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.INFLUENT_CONC_RANGE <i>Reference:</i> Part II, Section 7A.3c |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|--------------------------------------|-------------|--|
| 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.TREATMENT_EFFICIENCY_EST <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.OPERATING_DATA_IND <i>Reference:</i> 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 <i>Source:</i> TRI_ONSITE_WASTESTREAM.WASTESTREAM_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> Part II, Section 7A.4.b |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|---|-------------|---|
| 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> Part II, Section 7A.4.b |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|--------------------------------------|-------------|--|
| 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.INFLUENT_CONC_RANGE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.TREATMENT_EFFICIENCY_EST <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.OPERATING_DATA_IND <i>Reference:</i> 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 <i>Source:</i> TRI_ONSITE_WASTESTREAM.WASTESTREAM_CODE <i>Reference:</i> Part II, Section 7A.5a |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|--------------------------------------|-------------|--|
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.5.b</i> |
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.5.b</i> |
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.5.b</i> |
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.5.b</i> |
| 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. <i>Source: TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE</i> <i>Reference: Part II, Section 7A.5.b</i> |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|--------------------------------------|-------------|--|
| 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTE_TREATMENT_MET.TREATMENT_METHOD_CODE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.INFLUENT_CONC_RANGE <i>Reference:</i> 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.TREATMENT_EFFICIENCY_EST <i>Reference:</i> Part II, Section 7A.5.d |

| <u>Mum.</u> | <u>Field Name</u> | <u>Type</u> | <u>Description</u> |
|-------------|------------------------------------|-------------|--|
| 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. <i>Source:</i> TRI_ONSITE_WASTESTREAM.OPERATING_DATA_IND <i>Reference:</i> 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 <i>Source:</i> 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. <i>Source:</i> TRI_REPORTING_FORM.PUBLIC_CONTACT_PERSON_EMAIL <i>Reference:</i> 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) <i>Source:</i> 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) <i>Source:</i> TRI_REPORTING_FORM.Revision_Code_1 |
| 127 | METAL_IND | C | Code indicating whether the is a metal or not. Yes = Metal No = Non-Metal <i>Source:</i> 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 |
| <p>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.)</p> | | | |
| 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 3 Metals |
|-------------------|
| BARIUM |
| BARIUM 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 4 Metals |
|--|
| ALUMINUM (FUME OR DUST) |
| VANADIUM (EXCEPT WHEN CONTAINED IN AN ALLOY) |
| ZINC (FUME OR DUST) |