Toxics Release Inventory
File Type 2
(Detailed Source Reduction Activities and Methods)
Basic Plus Data File Format
Documentation v14

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

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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 Reference
Type 2A	CA_2A_2013_v13.txt	Detailed Source Reduction and Recycling Activities	Part I (sections 1,2,4,5), Part II (sec. 1, 8.1 – 8.10)

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_2a_2013_v13.txt" contains Reporting Year 2013 Detailed Source Reduction Activities and Methods data for the state of California. It 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_2A_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_2A_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 2A

The "Type 2A" file is comprised of three general data sections. First it contains almost all of the Facility Identification data from Part I of the Form R or the Form A Certification Statement. Second it contains the Chemical Identification data from Part II, section 1 of the Form R or Form A Certification Statement. Third, it contains all of the data from Part II, Section 8 of the form R. This is the "Source Reduction and Recycling Activities" data.

Mandated by section 6607 of the Pollution Prevention Act of 1990 (PPA), the "Source Reduction and Recycling Activities" section (Part II, Section 8) of the Form R asks facilities for information about source reduction activities and quantities of EPCRA 313 chemicals managed as waste. Section 8 data gives an overall picture of On-site and Off-site releases and waste management as well as source reduction.

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
II	1	Chemical Identification Data
II	8.1	Total Releases
II	8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills
II	8.1b	Total other on-site disposal or other releases
II	8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills
II	8.1d	Total other off-site disposal or other releases
II	8.2	Quantity used for energy recovery, ON-SITE
II	8.3	Quantity used for energy recovery, OFF-SITE
II	8.4	Quantity recycled, ON-SITE
II	8.5	Quantity recycled, OFF-SITE
II	8.6	Quantity treated, ON-SITE
II	8.7	Quantity treated, OFF-SITE
II	8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes
II	8.9	Production ratio or activity index
II	8.10	Source Reduction Activities and Methods

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

2.1 Part II, Section 8.11

File Type 1

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3.0 Mapping the Form R/A Sections to each File

	Part I					Part II					6.1.A	6.1.B	6.2	6.2abc	7A	7B	7C	8	Total Fields
	1	2	3	4	5	1	2	3	4	5									
File 2A	*	P2		*	*	*												*	146

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.

4.2 Type 2A: Detailed Source Reduction Activities and Methods

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 not changed to match facility ownership, or zip code changes. Rather, the TRI Facility ID identifies a specific geographical location which is also identified by the latitude and longitude of that location. *Source*: **TRI_FACILITY**.TRI_FACILITY_ID *Reference*: Part I, Section 4.1
4	FACILITY NAME	C	Name of the reporting facility. *Source*: **TRI_FACILITY**.FACILITY_NAME *Reference*: Part I, Section 4.1
5	FACILITY STREET	C	Street address of the reporting facility. *Source*: **TRI_FACILITY**.STREET_ADDRESS *Reference*: Part I, Section 4.1
6	FACILITY CITY	C	City in which the reporting facility is located. *Source*: **TRI_FACILITY**.CITY_NAME *Reference*: Part I, Section 4.1
7	FACILITY COUNTY	C	County in which the reporting facility is located. *Source*: **TRI_FACILITY**.COUNTY_NAME *Reference*: Part I, Section 4.1

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

Mum.	Field Name	Type	Description

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

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

Mum.	Field Name	Type	Description
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
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**

Mum.	Field Name	Type	Description
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
33	RCRA NR A	C	Twelve-digit alphanumeric identifier assigned by EPA under the re*source* 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 re*source* 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**

Mum.	Field Name	Type	Description
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
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

Mum.	Field Name	Type	Description
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
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

Mum.	Field Name	Type	Description
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
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

Mum.	Field Name	Type	Description
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
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

Mum.	Field Name	Type	Description
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
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

Mum.	Field Name	Type	Description
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_FOR**M. DIOXIN_DISTRIBUTION_16 *Reference*: Part II, Section 1.4
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	QUANTITY RELEASED PRIOR YEAR	N	Amount reported in pounds of total quantity of toxic chemical released (including offsite disposal) during previous year. Starting in RY 2003, the sum of all previous year section 8.1 releases (8.1a.A + 8.1b.A + 8.1c.A + 8.1d.A) was inserted in this field. This is the sum of fields 116+120+124+128 *Source*: **TRI_SOURCE_REDUCT_QTY**. REL_PREV_YR_QTY CURRENT_YEAR *Reference*: Part II, Section 8.1B

Mum.	Field Name	Type	Description
64	QUANTITY RELEASED CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical released (including offsite disposal) during reporting year. Starting in RY 2003, the sum of all current year section 8.1 releases (8.1a.B + 8.1b.B + 8.1c.B + 8.1d.B) was inserted in this field. This is the sum of fields 117+121+125+129 *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_CURR_YR_QTY CURRENT_YEAR *Reference*: Part II, Section 8.1B
65	QUANTITY RELEASED FOLLOWING YEAR	N	Amount reported in pounds of total quantity of the toxic chemical projected to be released (including offsite disposal) in the first year following the reporting year. Starting in RY 2003, the sum of all following year section 8.1 releases (8.1a.C + 8.1b.C + 8.1c.C + 8.1d.C) was inserted in this field. This is the sum of fields 118+122+126+130 *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_FOLL_YR_QTY *Reference*: Part II, Section 8.1C
66	QUANTITY RELEASED SECOND FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical projected to be released (including offsite disposal) in second year following reporting year. Starting in RY 2003, the sum of all second following year section 8.1 releases (8.1a.D + 8.1b.D + 8.1c.D + 8.1d.D) was inserted in this field. This is the sum of fields 119+123+127+131 *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_SECD_YR_QTY *Reference*: Part II, Section 8.1D
67	ENERGY RECOVERY ONSITE PRIOR YEAR	N	Amount reported in pounds of total quantity of toxic chemical used onsite for energy recovery during the previous year. *Source*: **TRI_SOURCE_REDUCT_QTY.** ENERGY_ONSITE_PREV_YR_QTY *Reference*: Part II, Section 8.2A
68	ENERGY RECOVERY ONSITE CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical used onsite for energy recovery during reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** ENERGY_ONSITE_CURR_YR_QTY *Reference*: Part II, Section 8.2B
69	ENERGY RECOVERY ONSITE FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical projected to be used onsite for energy recovery in first year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** ENERGY_ONSITE_FOLL_YR_QTY *Reference*: Part II, Section 8.2C

Mum.	Field Name	Type	Description
70	ENERGY RECOVERY ONSITE SECOND FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical <u>projected</u> to be used onsite for energy recovery in second year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** ENERGY_ONSITE_SECD_YR_QTY Form R: Part II, Section 8.2D
71	ENERGY RECOVERY OFFSITE PRIOR YEAR	N	Amount reported in pounds of total quantity of toxic chemical sent offsite for energy recovery during previous year. *Source*: **TRI_SOURCE_REDUCT_QTY.** ENERGY_OFFSITE_PREV_YR_QTY *Reference*: Part II, Section 8.3A
72	ENERGY RECOVERY OFFSITE CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical sent offsite for energy recovery during the reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** ENERGY_OFFSITE_CURR_YR_QTY *Reference*: Part II, Section 8.3B
73	ENERGY RECOVERY OFFSITE FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical <u>projected</u> to be sent offsite for energy recovery in first year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** ENERGY_OFFSITE_FOLL_YR_QTY Form R: Part II, Section 8.3C
74	ENERGY RECOVERY OFFSITE SECOND FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical <u>projected</u> to be sent offsite for energy recovery in second year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** ENERGY_OFFSITE_SECD_YR_QTY Form R: Part II, Section 8.3D
75	QUANTITY RECYCLED ONSITE PRIOR YEAR	N	Amount reported in pounds of total quantity of toxic chemical recycled onsite during the previous year. *Source*: **TRI_SOURCE_REDUCT_QTY.** RECYC_ONSITE_PREV_YR_QTY *Reference*: Part II, Section 8.4A
76	QUANTITY RECYCLED ONSITE CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical recycled onsite during reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** RECYC_ONSITE_CURR_YR_QTY *Reference*: Part II, Section 8.4B

Mum.	Field Name	Type	Description
77	QUANTITY RECYCLED ONSITE FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical projected to be recycled onsite in first year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** RECYC_ONSITE_FOLL_YR_QTY re*source*: Part II, Section 8.4C
78	QUANTITY RECYCLED ONSITE SECOND FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical projected to be recycled onsite in second year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** RECYC_ONSITE_SECD_YR_QTY *Reference*: Part II, Section 8.4D
79	QUANTITY RECYCLED OFFSITE PRIOR YEAR	N	Amount reported in pounds of total quantity of toxic chemical sent offsite for recycling during the previous year. *Source*: **TRI_SOURCE_REDUCT_QTY.** RECYC_OFFSITE_PREV_YR_QTY *Reference*: Part II, Section 8.5A
80	QUANTITY RECYCLED OFFSITE CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical sent offsite for recycling during reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** RECYC_OFFSITE_CURR_YR_QTY *Reference*: Part II, Section 8.5B
81	QUANTITY RECYCLED OFFSITE FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical projected to be sent offsite for recycling in first year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** RECYC_OFFSITE_FOLL_YR_QTY Form R: Part II, Section 8.5C
82	QUANTITY RECYCLED OFFSITE SECOND FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical projected to be sent offsite for energy recovery in second year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** RECYC_OFFSITE_PREV_YR_QTY *Reference*: Part II, Section 8.5D
83	QUANTITY TREATED ONSITE PRIOR YEAR	N	Amount reported in pounds of total quantity of toxic chemical treated onsite during the previous year. *Source*: **TRI_SOURCE_REDUCT_QTY.** TREATED_ONSITE_PREV_YR_QTY *Reference*: Part II, Section 8.6A

Mum.	Field Name	Type	Description
84	QUANTITY TREATED ONSITE CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical treated onsite during the reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** TREATED_ONSITE_CURR_YR_QTY *Reference*: Part II, Section 8.6B
85	QUANTITY TREATED ONSITE FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical projected to be treated onsite in the first year following the reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** TREATED_ONSITE_FOLL_YR_QTY *Reference*: Part II, Section 8.6C
86	QUANTITY TREATED ONSITE SECOND FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical projected to be treated onsite in second year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** TREATED_ONSITE_SECD_YR_QTY *Reference*: Part II, Section 8.6D
87	QUANTITY TREATED OFFSITE PRIOR YEAR	N	Amount reported in pounds of total quantity of the toxic chemical treated offsite during the previous reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** TREATED_OFFSITE_PREV_YR_QTY *Reference*: Part II, Section 8.7A
88	QUANTITY TREATED OFFSITE CURRENT YEAR	N	Amount reported in pounds of total quantity of toxic chemical sent offsite for treatment (including transfers to POTWs) during the reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** TREATED_OFFSITE_CURR_YR_QTY *Reference*: Part II, Section 8.7B
89	QUANTITY TREATED OFFSITE FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical sent offsite for treatment (including transfers to POTWs) in the first year following the reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** TREATED_OFFSITE_FOLL_YR_QTY *Reference*: Part II, Section 8.7C
90	QUANTITY TREATED OFFSITE SECOND FOLLOWING YEAR	N	Amount reported in pounds of total quantity of toxic chemical projected to be sent offsite for treatment (including transfers to POTWs) in second year following reporting year. *Source*: **TRI_SOURCE_REDUCT_QTY.** TREATED_OFFSITE_PREV_YR_QTY *Reference*: Part II, Section 8.7D

Mum.	Field Name	Type	Description
91	CATASTROPHIC RELEASES OR OTHER ONE-TIME EVENTS	N	Amount reported in pounds of total quantity of toxic chemical released to the environment or transferred offsite due to events not associated with routine production processes. Reported as pounds. *Source*: **TRI_REPORTING_FORM**.ONE_TIME_RELEASE_QTY *Reference*: Part II, Section 8.8
92	PROD RATIO/ACTIVITY INDEX	N	Ratio of production or activity in the reporting year divided by production or activity in the previous year. Field length is in the format of +nnnn.nn. *Source*: **TRI_REPORTING_FORM**.PRODUCTION_RATIO *Reference*: Part II, Section 8.9
93	FIRST *SOURCE* REDUCTION ACTIVITY	C	Activity code indicating the action taken to reduce the amount of the reported toxic chemical released, used for energy recovery, recycled, or treated. *Source*: **TRI_SOURCE_REDUCT_METHOD**.SOURCE_REDUCT_ACTIVITY *Reference*: Part II, Section 8.10.1
94	FIRST *SOURCE* REDUCTION ACTIVITY DESCRIPTION	C	Description of the preceding *Source* reduction activity code. *Source*: **TRI_CODE_DESC**.DESCRIPTION *Référence*: Part II, Section 8.10.1
95	FIRST *SOURCE* REDUCTION METHOD - CODE 1	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**.SOURCE_REDUCT_METHOD_1 *Reference*: Part II, Section 8.10.1a
96	FIRST *SOURCE* REDUCTION METHOD - CODE 1 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.1a

Mum.	Field Name	Type	Description
97	FIRST *SOURCE* REDUCTION METHOD - CODE 2	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_2 *Reference*: Part II, Section 8.10.1b
98	FIRST *SOURCE* REDUCTION METHOD - CODE 2 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.1b
99	FIRST *SOURCE* REDUCTION METHOD - CODE 3	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_3 *Reference*: Part II, Section 8.10.1c
100	FIRST *SOURCE* REDUCTION METHOD - CODE 3 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.1c
101	SECOND *SOURCE* REDUCTION ACTIVITY	C	Activity code indicating the action taken to reduce the amount of the reported toxic chemical released, used for energy recovery, recycled, or treated. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_ACTIVITY *Reference*: Part II, Section 8.10.2
102	SECOND *SOURCE* REDUCTION ACTIVITY DESCRIPTION	C	Description of the preceding *Source* reduction activity code. *Source*: **TRI_CODE_DESC**.DESCRIPTION *Référence*: Part II, Section 8.10.2
103	SECOND *SOURCE* REDUCTION METHOD - CODE 1	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_1 *Reference*: Part II, Section 8.10.2.a

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Mum.	Field Name	Type	Description
104	SECOND *SOURCE* REDUCTION METHOD - CODE 1 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.2.a
105	SECOND *SOURCE* REDUCTION METHOD - CODE 2	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_2 *Reference*: Part II, Section 8.10.2b
106	SECOND *SOURCE* REDUCTION METHOD - CODE 2 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.2b
107	SECOND *SOURCE* REDUCTION METHOD - CODE 3	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_3 *Reference*: Part II, Section 8.10.2.c
108	SECOND *SOURCE* REDUCTION METHOD - CODE 3 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.2.c
109	THIRD *SOURCE* REDUCTION ACTIVITY	C	Activity code indicating the action taken to reduce the amount of the reported toxic chemical released, used for energy recovery, recycled, or treated. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_ACTIVITY *Reference*: Part II, Section 8.10.3
110	THIRD *SOURCE* REDUCTION ACTIVITY DESCRIPTION	C	Description of the preceding *Source* reduction activity code. *Source*: **TRI_CODE_DESC**.DESCRIPTION *Référence*: Part II, Section 8.10.3

Mum.	Field Name	Type	Description
111	THIRD *SOURCE* REDUCTION METHOD - CODE 1	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_1 *Reference*: Part II, Section 8.10.3a
112	THIRD *SOURCE* REDUCTION METHOD - CODE 1 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.3a
113	THIRD *SOURCE* REDUCTION METHOD - CODE 2	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_2 *Reference*: Part II, Section 8.10.3b
114	THIRD *SOURCE* REDUCTION METHOD - CODE 2 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.3b
115	THIRD *SOURCE* REDUCTION METHOD - CODE 3	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_3 *Reference*: Part II, Section 8.10.3c
116	THIRD *SOURCE* REDUCTION METHOD - CODE 3 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.3c
117	FOURTH *SOURCE* REDUCTION ACTIVITY	C	Activity code indicating the action taken to reduce the amount of the reported toxic chemical released, used for energy recovery, recycled, or treated. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_ACTIVITY *Reference*: Part II, Section 8.10.4

Mum.	Field Name	Type	Description
118	FOURTH *SOURCE* REDUCTION ACTIVITY DESCRIPTION	C	Description of the preceding *Source* reduction activity code. *Source*: **TRI_CODE_DESC**.DESCRIPTION *Référence*: Part II, Section 8.10.4
119	FOURTH *SOURCE* REDUCTION METHOD - CODE 1	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_1 *Reference*: Part II, Section 8.10.4a
120	FOURTH *SOURCE* REDUCTION METHOD - CODE 1 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.4a
121	FOURTH *SOURCE* REDUCTION METHOD - CODE 2	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_2 *Reference* Part II, Section 8.10.4b
122	FOURTH *SOURCE* REDUCTION METHOD - CODE 2 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence* Part II, Section 8.10.4b
123	FOURTH *SOURCE* REDUCTION METHOD - CODE 3	C	Code corresponding to the internal or external method (or the information *Source*s) used to identify the *Source* reduction activity implementation at a facility. *Source*: **TRI_SOURCE_REDUCT_METHOD**. SOURCE_REDUCT_METHOD_3 *Reference*: Part II, Section 8.10.4c
124	FOURTH *SOURCE* REDUCTION METHOD - CODE 3 DESCRIPTION	C	Description of the preceding *Source* reduction activity method code. *Source*: **TRI_DESC_CODE.**DESCRIPTION *Référence*: Part II, Section 8.10.4c

Mum.	Field Name	Type	Description
125	ON-SITE LIMITED RELEASES PRIOR YEAR	N	Amount of total on-site releases to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills in the previous year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81a_PREV_YR_QTY *Reference*: Part II, Section 8.1a Col A.
126	ON-SITE LIMITED RELEASES CURRENT YEAR	N	Amount of total on-site releases to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills in the current year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81a_CURR_YR_QTY *Reference*: Part II, Section 8.1a Col B.
127	ON-SITE LIMITED RELEASES FOLLOWING YEAR	N	Amount of total on-site releases to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills in the following year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81a_FOLL_YR_QTY *Reference*: Part II, Section 8.1a Col C.
128	ON-SITE LIMITED RELEASES SECOND FOLLOWING YEAR	N	Amount of total on-site releases to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills in the second following year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81a_SECD_YR_QTY *Reference*: Part II, Section 8.1a Col D.
129	ON-SITE OTHER RELEASES PRIOR YEAR	N	Amount of total on-site releases to other (non Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills) mediums in the previous year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81b_PREV_YR_QTY *Reference*: Part II, Section 8.1b Col A.

Mum.	Field Name	Type	Description
130	ON-SITE OTHER RELEASES CURRENT YEAR	N	Amount of total on-site releases to other (non Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills) mediums in the current year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81b_CURR_YR_QTY *Reference*: Part II, Section 8.1b Col B.
131	ON-SITE OTHER RELEASES FOLLOWING YEAR	N	Amount of total on-site releases to other (non Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills) mediums in the following year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81b_FOLL_YR_QTY *Reference*: Part II, Section 8.1b Col C.
132	ON-SITE OTHER RELEASES SECOND FOLLOWING YEAR	N	Amount of total on-site releases to other (non Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills) mediums in the second following year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81b_SECD_YR_QTY *Reference*: Part II, Section 8.1b Col D.
134	OFF-SITE LIMITED RELEASES PRIOR YEAR	N	Amount of total off-site releases to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills in the previous year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81c_PREV_YR_QTY *Reference*: Part II, Section 8.1c Col A.
135	OFF-SITE LIMITED RELEASES CURRENT YEAR	N	Amount of total off-site releases to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills in the current year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81c_CURR_YR_QTY *Reference*: Part II, Section 8.1c Col B.

Mum.	Field Name	Type	Description
136	OFF-SITE LIMITED RELEASES FOLLOWING YEAR	N	Amount of total off-site releases to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills in the following year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81c_FOLL_YR_QTY *Reference*: Part II, Section 8.1c Col C.
137	OFF-SITE LIMITED RELEASES SECOND FOLLOWING YEAR	N	Amount of total off-site releases to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills in the second following year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81c_SECD_YR_QTY *Reference*: Part II, Section 8.1c Col D.
138	OFF-SITE OTHER RELEASES PRIOR YEAR	N	Amount of total off-site releases to other (non Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills) mediums in the previous year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81d_PREV_YR_QTY *Reference*: Part II, Section 8.1d Col A.
139	OFF-SITE OTHER RELEASES CURRENT YEAR	N	Amount of total off-site releases to other (non Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills) mediums in the current year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81d_CURR_YR_QTY *Reference*: Part II, Section 8.1d Col B.
140	OFF-SITE OTHER RELEASES FOLLOWING YEAR	N	Amount of total off-site releases to other (non Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills) mediums in the following year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81d_FOLL_YR_QTY *Reference*: Part II, Section 8.1d Col C.

Mum.	Field Name	Type	Description
141	OFF-SITE OTHER RELEASES SECOND FOLLOWING YEAR	N	Amount of total off-site releases to other (non Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills) mediums in the second following year. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_SOURCE_REDUCT_QTY.** REL_81d_SECD_YR_QTY *Reference*: Part II, Section 8.1d Col D.

142	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

143	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

144	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

145	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

146	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 (EXPET WHEN CONTIANED IN AN ALLOY)
ZINC (FUME OR DUST)