Toxics Release Inventory
File Type 3a

(Details of Transfers Off-site)

Basic Plus Data File Format
Documentation v15

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1.0 Overview

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

File	**Example**	**Description of Contents**	**Form R or A Referenc**
Type 3A	CA_3A_2015_v15.txt	Details of Transfers Off-Site	Part I (sections, 1,4,5) Part II (section 6.2)

The Basic Plus Data Files are identified (named) by state, file_type, reporting year and version number.

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

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

Similarly, the file "CA_2a_2015_v15.txt" contains Reporting Year 2015 Detailed Source Reduction Activities and Methods data for the state of California. It was created with Reporting Year 2015 data.

In addition to the set of files for each state, there are also 2 more file sets. There is a Federal file set (FED_1_2015_v15.txt, FED_2A_2015_v15.txt, etc.) which contains data for all government owned and operated federal sites. A third set of files, known as the National Data File set, contains all the TRI data (for all States and US Territories) for a specific year. The national data files are named US_1_2015_v15.txt, US_2A_2015_v15.txt, etc.

Many of the data elements described in the Basic Plus Data Files documentation refer to the TRI Form R and Form A Certification Statement. These are the forms that facilities use to submit data to the TRI Program. The TRI Reporting Forms and Instructions document contains the actual forms and the complete instructions for filling them out. The Reporting Forms and Instructions is available at http://www2.epa.gov/toxics-release-inventory-tri-program/tri-reporting-forms-and-instructions. Complete lists of values for many of the data fields in the Basic Plus Data Files can be found in this document.

1.1   Detailed Description: File Type 3A

File Type 3A focuses on off-site transfers.   Like the other Basic Plus Data Files, it lists the basic
Facility and Chemical identification information from Part I and Part II of the Form R and A. It
also lists the off-site location that a chemical has been transferred to and the methods and
quantities of treatment or disposal.

Part	Section	Description
I	1	Reporting Year
I	1	Revision Codes
I	4	Facility Identification Information
I	5	Parent Company Information
I	1	Chemical Identification Data
II	6.2	Off-site Location Name, Address and RCRA number
II	6.2.A	Transfer Totals
II	6.2.B	Basis of Estimate
II	6.2.C	Type of Waste Treatment/Disposal/Recycling/Energy Recovery

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

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3.0 Mapping the Form R/A Sections to each File

	Part I					Part II													
	1	2	3	4	5	1	2	3	4	5	6.1.A	6.1.B	6.2	6.2abc	7A	7B	7C	8	Total Fields
File 3A	*			*	*	*							*	*					203

Notes:

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

      P2 -   Only 2.1 Trade Secret Indicator

      P3 -   Only Additional Information (Section 8.11) that was submitted via electronic reporting
               (TRI-ME web, CDX or Diskette submissions)

Part & Section Definitions

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

4.0 Field Descriptions

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

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

Column	Description
Number	The sequential number of the data element in the record
Field Name	The TRI System field name of the data element
Data Type	'C' for character data (alphanumeric) 'N' for numeric data 'D' for date
Description	A brief statement of what the data element represents along with its TRI System *Source* (in **Table Name**. Field Name format) and the Form R reference

The data fields in each of the seven files are delimited by Tab (a tab is placed between each data element).

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

4.1   Type 3A: Detailed Transfers Off-Site Data (non-POTW)

Mum.	Field Name	Type	Description
1	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:* **TRUI_FACILITY.**FACILITY_ID *Reference:* Part I, Section 4.1

Mum.	Field Name	Type	Description

2	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: (13 + RY + DOC_TYPE + SEQ_NUM + Check digit)
			Reference: NA (System generated)

3	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_FORM.**TRI_CHEM_ID *Reference:* Part II, Section 1.1
4	CHEMICAL NAME		Name of the chemical or generic name if the chemical is claimed as a trade secret. *Source:* **TRI_REPORTING_FORM.**CAS_CHEM_NAME *Reference:* Part II, Section 1.2 *or* Part II, Section 1.3

5	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

Mum.	Field Name	Type	Description
6	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
7	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
8	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
9	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
10	DIOXIN DISTRIBUTION 4	N	Indicates the percentage of 1,2,3,6,7,8 Hexachlorodibenzofuran (CAS # 57117-44-9) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_4 *Reference*: Part II, Section 1.4

Mum.	Field Name	Type	Description
11	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
12	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
13	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
14	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

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Mum.	Field Name	Type	Description
15	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
16	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
17	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
18	DIOXIN DISTRIBUTION 12	N	Indicates the percentage of 1,2,3,4,6,7,8,9 Octachlorodibenzo- p-dioxin (CAS # 03268-87-9) in the reported Dioxin or Dioxin-like compound. Values are either 0 or a number between 0.01 and 100 (inclusive). *Source*: **TRI_REPORTING_FORM**. DIOXIN_DISTRIBUTION_12 *Reference*: Part II, Section 1.4

Mum.	Field Name	Type	Description
19	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
20	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
21	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
22	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

Mum.	Field Name	Type	Description
23	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
24	REPORTING YEAR	C	The calendar year in which the reported activities occur. *Source:* **TRI_REPORTING_FORM.** REPORTING_YEAR *Reference:* Part I, Section 1

25	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 TRIS database.
			Source: **TRI_REPORTING_FORM.** TRADE_SECRET_IND
			Reference: Part I, Section 2.1

26	FACILITY NAME	C	Name of the reporting facility. *Source:* **TRI_FACILITY.** FACILITY_NAME *Reference:* Part I, Section 4.1
27	FACILITY STREET	C	Street address of the reporting facility. *Source:* **TRI_FACILITY.**STREET_ADDRESS *Reference:* Part I, Section 4.1
28	FACILITY CITY	C	City in which the reporting facility is located. *Source:* **TRI_FACILITY.**CITY_NAME *Reference:* Part I, Section 4.1
29	FACILITY COUNTY	C	County in which the reporting facility is located. *Source:* **TRI_FACILITY.**COUNT_NAME *Reference:* Part I, Section 4.1
30	FACILITY STATE	C	Two-letter state code of the reporting facility. *Source:* **TRI_FACILITY.**STATE_ABBR *Reference:* Part I, Section 4.1

Mum.	Field Name	Type	Description
31	FACILITY ZIP CODE	C	ZIP code of the reporting facility. *Source:* **TRI_FACILITY.** ZIP_CODE *Reference:* Part I, Section 4.1
32	BIA_CODE	C	Three-letter code indicating the tribal land a facility is on. *Source:* **FACILITY.BIA_TRIBAL_CODE**
33	TRIBE	C	INDIAN_COUNTRY_NAME The name of the Tribe. *Source:* **V_INDIAN_COUTRY.**
34	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
35	PARTIAL FACILITY IND	C	Indicates whether the information covers an entire facility or part of a facility. Yes = entire No = partial *Source:* **TRI_REPORTING_FORM.** PARTIAL_FAC *Reference:* Part I, Section 4.2b
36	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
37	GOCO FACILITY IND	C	Code indicating whether a facility is GOCO (Government-Owned, Contractor-Operated) facility or not: Yes = GOCO No = non-GOCO *Source*: **TRI_REPORTING_FORM**.GOCO_ FLAG Form R: Part I Section 4.2d

Mum.	Field Name	Type	Description
38	PRIMARY SIC CODE	C	Primary four-digit Standard Industrial Classification (SIC) Code. *Source:* **TRI_SUBMISSION_SIC.**SIC_CODE *Reference:* Part I, Section 4.5a
39	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
40	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
41	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
42	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
43	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
44	NAICS ORIGIN	C	Indicates whether NAICS codes were reported or assigned. R = Reported A = Assigned
45	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
46	NAICS CODE 2	C	Second six-digit North American Standard Industry Classification System (NAICS) Code entered by facility. *Source:* **TRI_SUBMISSION_NAICS.NAICS_**CODE *Where:* naics_sequence_num = 2 *Reference:* Part I, Section 4.5b

Mum.	Field Name	Type	Description
47	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
48	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
49	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
50	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
51	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**
52	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**
53	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

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Mum.	Field Name	Type	Description
54	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
55	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**
56	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**
57	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**
58	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**
59	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**
60	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**

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Mum.	Field Name	Type	Description
61	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 *Reference:* Part I, Section 5.1
62	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
63	OFF-SITE RCRA ID NR	C	The identification number assigned to the off-site disposal facility covered by regulations of the re*source* Conservation and Recovery Act (RCRA) and other regulations of the Superfund Act (CERCLA). *Source:* **TRI_OFF_SITE_TRANSFER_LOCATION.**RCRA_ NUM *Reference:* Part II, Section 6.2
64	OFF-SITE TRANSFER SEQUENCE NUMBER	C	This field contains a sequence number assigned to an off-site location. *Source:* **TRI_OFF_SITE_TRANSFER_LOCATION.** TRANSFER_LOC_NUM *Reference:* NA (System generated)
65	OFF-SITE NAME	C	The name of the off-site treatment or disposal location to which the chemical is sent. *Source:* **TRI_OFF_SITE_TRANSFER_LOCATIO.** OFF_SITE_ NAME *Reference:* Part II, Section 6.2
66	OFF-SITE STREET ADDRESS	C	The address of the off-site disposal or treatment facility. *Source:* **TRI_OFF_SITE_TRANSFER_LOCATION.** OFF_SITE_STREET *Reference:* Part II, Section 6.2
67	OFF-SITE CITY	C	The city in which the off-site transfer or disposal site is located. *Source:* **TRI_OFF_SITE_TRANSFER_LOCATION.** CITY_NAME *Reference:* Part II, Section 6.2

Mum.	Field Name	Type	Description
68	OFF-SITE COUNTY	C	The county in which the off-site treatment or disposal site is located. *Source:* **TRI_OFF_SITE_TRANSFER_LOCATION.** COUNTY_NAME *Reference:* Part II, Section 6.2
69	OFF-SITE STATE	C	The two-letter state abbreviation of the off-site treatment or disposal site. *Source:* **TRI_OFF_SITE_TRANSFER_LOCATION.** STATE_ABBR *Reference:* Part II, Section 6.2
70	OFF-SITE PROVINCE	C	Province of the reporting facility's mailing address. *Source:* **TRI_OFF_SITE_TRANSFER_LOCATION.**PROVIN CE *Reference:* Part I, Section 4.1
71	OFF-SITE ZIPCODE	C	The zip code used in the address of an off-site treatment or disposal site. *Source:* **TRI_OFF_SITE_TRANSFER_LOCATION.** ZIP_CODE *Reference:* Part II, Section 6.2
72	OFF-SITE COUNTRY ID	C	If the off-site facility is out of the country, this field contains the name of the country to which the transfer is sent. *Source*: **TRI_OFF_SITE_TRANSFER_LOCATION.**COUNT RY_ CODE *Reference:* Part II, Section 6.2
73	OFF-SITE CONTROL	C	This field indicates whether the off-site location to which toxic chemical wastes are transferred is owned or controlled by the facility or parent company. Value is Ayes@ or Ano@. *Source:* **TRI_OFF_SITE_TRANSFER_LOCATION.** CONTROLLED_LOC *Reference:* Part II, Section 6.2

Mum.	Field Name	Type	Description
74	XFERS OFF-SITE POUNDS - STORAGE M10	N	An estimate of the total quantity in pounds of reported chemical contained in the waste transferred to off-site facilities for storage (M10). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.**TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
75	XFERS OFF-SITE RANGE CODE- STORAGE M10	C	Code used to indicate the amount of the toxic chemical transferred to off-site facilities for storage (M10) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.**TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
76	TOTAL XFERS OFF-SITE AMOUNT- STORAGE M10	N	System generated total quantity in pounds of reported chemical contained in the waste transferred to off-site facilities for storage (M10). If field number 64 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 65 is used for the total value. *Source:* **TRI_TRANSFER_QTY.**TRANSFER_TOTAL or **TRI_TRANSFER_QTY.**TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	Field Name	Type	Description
77	BASIS OF ESTIMATE M10	C	A code indicating the principal method by which the total storage estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
78	XFERS OFF-SITE POUNDS - SOLIDIFICATION/STABILIZATION (METALS) M41	N	An estimate of the total quantity in pounds of reported chemical contained in the waste transferred to off-site facilities for solidification/stabilization (metals) (M41). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
79	XFERS OFF-SITE RANGE CODE - SOLIDIFICATION/STABILIZATION (METALS) M41	C	The code used to indicate the amount of the toxic chemical transferred to off-site facilities for solidification/stabilization (metals) (M41) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
80	TOTAL XFERS OFF-SITE AMOUNT - SOLIDIFICATION/STABILIZATION (METALS) M41	N	System generated total quantity in pounds of reported chemical contained in the waste transferred to off-site facilities for solidification/stabilization (metals) (M41). If field number 68 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 69 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
81	BASIS OF ESTIMATE M41	C	A code indicating the principal method by which the total solidification/stabilization (metals) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.**TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
82	XFERS OFF-SITE POUNDS - WASTEWATER TRTMT (METALS) M62	N	An estimate of the total quantity in pounds of reported chemical contained in the waste transferred to off-site wastewater treatment (metals) (M62). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
83	XFERS OFF-SITE RANGE CODE - WASTEWATER TRTMT (METALS) M62	C	Code used to indicate the amount of the toxic chemical transferred to off-site wastewater treatment (metals) (M62) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
84	TOTAL XFERS OFF-SITE AMOUNT - WASTEWATER TRTMT (METALS) M62	N	System generated total quantity in pounds of reported chemical contained in the waste transferred to off-site wastewater treatment (metals) (M62). If field number 72 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 73 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
85	BASIS OF ESTIMATE M62	C	A code indicating the principal method by which the total waste water treatment (metals) (M62) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B

Mum.	Field Name	Type	Description
86	XFERS OFF-SITE UNDERGROUND INJECTION POUNDS M71	N	An estimate of the total quantity in pounds of reported chemical contained in the waste transferred to off-site underground injection (M71). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
87	XFERS OFF-SITE UNDERGROUND INJECTION RANGE CODE M71	C	Code used to indicate the amount of the toxic chemical transferred to off-site underground injection (M71) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
88	TOTAL UNDERGROUND INJECTION AMOUNT M71	N	System generated total quantity in pounds of reported chemical contained in the waste transferred to off-site underground injection (M71). If field number 76 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 77 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	Field Name	Type	Description
89	BASIS OF ESTIMATE M71	C	A code indicating the principal method by which the total underground injection (M71) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
90	XFERS OFF-SITE LANDFILLS/DISPOSAL SURFACE IMPOUNDMENT POUNDS M72	N	An estimate of the total quantity in pounds of reported chemical contained in the waste transferred to landfill/disposal surface impoundment ponds (M72). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
91	XFERS OFF-SITE LANDFILLS/DISPOSAL SURFACE IMPOUNDMENT RANGE CODE M72	C	Code used to indicate the amount of the toxic chemical transferred to landfill/disposal surface impoundment ponds (M72) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
92	TOTAL LANDFILLS/DISPOSAL SURFACE IMPOUNDMENT AMOUNT **M72**	N	System generated total quantity in pounds of reported chemical contained in the waste transferred to landfill/disposal surface impoundment ponds (M72). If field number 81 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 82 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
93	BASIS OF ESTIMATE M72	C	A code indicating the principal method by which the total landfill/disposal surface impoundment (M72) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
94	XFERS OFF-SITE SURFACE IMPOUNDMENT POUNDS M63	N	An estimate of the total quantity in pounds of reported chemical contained in the waste subjected transferred off-site for surface impoundment (M63). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
95	SURFACE IMPOUNDMENT RANGE CODE M63	C	Code used to indicate the amount of the toxic chemical transferred off-site for surface impoundment (M63) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
96	SURFACE IMPOUNDMENT TOTAL AMOUNT M63	N	System generated total quantity in pounds of reported chemical contained in the waste transferred off-site for surface impoundment (M63). If field number 84 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 85 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
97	BASIS OF ESTIMATE M63	C	A code indicating the principal method by which the total surface impoundment (M63) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B

Mum.	Field Name	Type	Description
98	XFERS OFF-SITE OTHER LANDFILLS POUNDS M64	N	An estimate of the total quantity in pounds of reported chemical contained in the waste transferred to other landfills (M64). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
99	OTHER LANDFILLS RANGE CODE M64	C	Code used to indicate the amount of the toxic chemical transferred to other landfills (M64) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
100	OTHER LANDFILLS TOTAL AMOUNT M64	N	System generated total quantity in pounds of reported chemical contained in the waste transferred to other landfills (M64). If field number 88 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 89 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	**Field Name**	**Type**	**Description**
101	BASIS OF ESTIMATE M64	C	A code indicating the principal method by which the total other landfill (M64) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
102	XFERS OFF-SITE RCRA SUBTITLE C LANDFILLS POUNDS M65	N	An estimate of the total quantity in pounds of reported chemical contained in the waste transferred off-site to RCRA subtitle C Landfills (M65). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
103	RCRA SUBTITLE C LANDFILLS RANGE CODE M65	C	Code used to indicate the amount of the toxic chemical transferred off-site to RCRA subtitle C landfills (M65) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
104	RCRA SUBTITLE C LANDFILLS TOTAL AMOUNT M65	N	System generated total quantity in pounds of reported chemical contained in the waste transferred off-site to RCRA subtitle C landfills (M65). If field number 92 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 93 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
105	BASIS OF ESTIMATE M65	C	A code indicating the principal method by which the transfers to RCRA subtitle C landfills (M65) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
106	LAND TREATMENT POUNDS M73	N	An estimate of the total quantity in pounds of reported chemical contained in the waste subjected to land treatment (M73). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
107	LAND TREATMENT RANGE CODE M73	C	Code used to indicate the amount of the toxic chemical subjected to land treatment (M73) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
108	TOTAL LAND TREATMENT TOTAL AMOUNT M73	N	System generated total quantity in pounds of reported chemical contained in the waste subjected to land treatment (M73). If field number 96 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 97 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
109	BASIS OF ESTIMATE M73	C	A code indicating the principal method by which the total land treatment (M73) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B

Mum.	Field Name	Type	Description
110	OTHER LAND DISPOSAL POUNDS M79	N	An estimate of the total quantity in pounds of reported chemical contained in the waste subjected to other land disposal (M79). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
111	OTHER LAND DISPOSAL RANGE CODE M79	C	Code used to indicate the amount of the toxic chemical subjected to other land disposal (M79) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
112	TOTAL OTHER LAND DISPOSAL AMOUNT M79	N	System generated total quantity in pounds of reported chemical subjected to other land disposal (M79). If field number 100 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 101 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	Field Name	Type	Description
113	BASIS OF ESTIMATE M79	C	A code indicating the principal method by which the total land disposal (M79) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
114	OTHER OFF-SITE MANAGEMENT POUNDS M90	N	An estimate of the total quantity in pounds of reported chemical subjected to other off-site management (M90). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
115	OTHER OFF-SITE MANAGEMENT RANGE CODE M90	C	Code used to indicate the amount of the toxic chemical subjected to other off-site management (M90) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
116	TOTAL OTHER OFF-SITE MANAGEMENT AMOUNT M90	N	System generated total quantity in pounds of reported chemical contained in the waste subjected to other off-site management (M90). If field number 104 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 105 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
117	BASIS OF ESTIMATE M90	C	A code indicating the principal method by which the total other off-site management (M90) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
118	TRANSFER TO WASTE BROKER-DISPOSAL POUNDS M94	N	An estimate of the total quantity in pounds of reported chemical subjected to waste broker disposal (M94). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
119	TRANSFER TO WASTE BROKER-DISPOSAL RANGE CODE M94	C	Code used to indicate the amount of the toxic chemical subjected to waste broker disposal (M94) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
120	TOTAL TRANSFER TO WASTE BROKER-DISPOSAL AMOUNT M94	N	System generated total quantity in pounds of reported chemical contained in the waste subjected to waste broker disposal (M94). If field number 108 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 109 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
121	BASIS OF ESTIMATE M94	C	A code indicating the principal method by which the total waste broker disposal (M94) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B

Mum.	Field Name	Type	Description
122	UNKNOWN POUNDS M99	N	An estimate of the total quantity in pounds of reported chemical transported off-site for unknown processing (M99). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

123	UNKNOWN RANGE CODE M99	C	Code used to indicate the amount of the toxic chemical transported off-site for unknown processing (M99) within a range. If none, the submitter enters zero.
			  A = 1-10
			  B = 11-499
			  C = 500-999
			Source: **TRI_TRANSFER_QTY.**
			TRANSFER_RANGE_CODE
			Reference: Part II, Section 6.2A

124	TOTAL UNKNOWN AMOUNT M99	N	System generated total quantity in pounds of reported chemical transported off-site for unknown processing (M99). If field number 112 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 113 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	Field Name	Type	Description
125	BASIS OF ESTIMATE M99	C	Code indicating the principal method by which the unknown processing (M99) estimate is calculated. A code indicating the principal method by which the unknown processing (M99) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
126	TOTAL AMOUNT TRANSFERRED OFF-SITE FOR DISPOSAL	N	Total, in pounds, of toxic chemical reported transferred off-site for disposal. Sum of columns (66+70+74+78+82+86+90+94+98+102+106+110+114+174+178+182+186) . *Source:* System generated *Reference:* None
127	XFERS OFF-SITE POUNDS - SOLIDIFICATION/ STABILIZATION M40	N	An estimate of the total quantity in pounds of reported chemical transported off-site for solidification/stabilization (M40). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
128	XFERS OFF-SITE RANGE CODE - SOLIDIFICATION/ STABILIZATION M40	C	Code used to indicate the amount of the toxic chemical transported off-site for solidification/ stabilization (M40) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
129	TOTAL XFERS OFF-SITE AMOUNT - SOLIDIFICATION/STABILIZATION M40	N	System generated total quantity in pounds of reported chemical transported off-site for solidification/stabilization (M40). If field number 117 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 118 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
130	BASIS OF ESTIMATE M40	C	A code indicating the principal method by which the total off-site solidification / stabilization (M40) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
131	XFERS OFF-SITE POUNDS - INCINERATION/ THERMAL TREATMENT M50	N	An estimate of the total quantity in pounds of reported chemical transported off-site for incineration/thermal treatment (M50). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
132	XFERS OFF-SITE RANGE CODE - INCINERATION/ THERMAL TREATMENT M50	C	Code used to indicate the amount of the toxic chemical transported off-site for incineration/thermal treatment (M50) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
134	TOTAL XFERS OFF-SITE AMOUNT - INCINERATION/ THERMAL TREATMENT M50	N	System generated total quantity in pounds of reported chemical transported off-site for incineration/thermal treatment (M50). If field number 121 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 122 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
135	BASIS OF ESTIMATE M50	C	A code indicating the principal method by which the off-site incineration / thermal treatment (M50) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B

Mum.	Field Name	Type	Description
136	XFERS OFF-SITE POUNDS - INCINERATION/ INSIGNIFICANT FUEL VALUE M54	N	An estimate of the total quantity in pounds of reported chemical transported off-site for incineration/insignificant fuel value (M54). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
137	XFERS OFF-SITE RANGE CODE - INCINERATION/ INSIGNIFICANT FUEL VALUE M54	C	Code used to indicate the amount of the toxic chemical transported off-site for incineration/ insignificant fuel value (M54) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
138	TOTAL XFERS OFF-SITE AMOUNT - INCINERATION/ INSIGNIFICANT FUEL VALUE M54	N	System generated total quantity in pounds of reported chemical transported off-site for incineration/insignificant fuel value (M54). If field number 125 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 126 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	Field Name	Type	Description
139	BASIS OF ESTIMATE M54	C	A code indicating the principal method by which the transported off-site for incineration / insignificant fuel value (M54) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
140	XFERS OFF-SITE POUNDS - WASTEWATER TREATMENT (EXCLUDING POTW) M61	N	An estimate of the total quantity in pounds of reported chemical contained in the waste transferred to off-site wastewater treatment (excluding POTW) (M61). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A1
141	XFERS OFF-SITE RANGE CODE - WASTEWATER TREATMENT M61	C	Code used to indicate the amount of the toxic chemical transferred to off-site wastewater treatment (excluding POTW) (M61) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A1

Mum.	Field Name	Type	Description
142	TOTAL XFERS OFF-SITE AMOUNT - WASTEWATER TREATMENT M61	N	System generated total quantity in pounds of reported chemical contained in the waste transferred to off-site wastewater treatment (excluding POTW) (M61). If field number 129 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 130 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
143	BASIS OF ESTIMATE M61	C	A code indicating the principal method by which the total wastewater treatment (excluding POTW) (M61) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
144	XFERS OFF-SITE POUNDS - OTHER WASTE TREATMENT M69	N	An estimate of the total quantity in pounds of reported chemical subjected to other off-site waste treatment (M69). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
145	XFERS OFF-SITE RANGE CODE - OTHER WASTE TREATMENT M69	C	Code used to indicate the amount of the toxic chemical subjected to other off-site waste treatment (M69) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
146	TOTAL XFERS OFF-SITE AMOUNT - OTHER WASTE TREATMENT M69	N	System generated total quantity in pounds of reported chemical contained in the waste subjected to other off-site waste treatment (M69). If field number 133 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 134 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
147	BASIS OF ESTIMATE M69	C	A code indicating the principal method by which the total other off-site waste treatment (M69) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B

Mum.	Field Name	Type	Description
148	XFERS OFF-SITE POUNDS - TRANSFER TO WASTE BROKER-WASTE TREATMENT M95	N	An estimate of the total quantity in pounds of reported chemical subjected to waste broker for treatment (M95). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
149	XFERS OFF-SITE RANGE CODE - TRANSFER TO WASTE BROKER-WASTE TREATMENT M95	C	Code used to indicate the amount of the toxic chemical subjected to waste broker for treatment (M95) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
150	TOTAL XFERS OFF-SITE AMOUNT - TRANSFER TO WASTE BROKER-WASTE TREATMENT M95	N	System generated total quantity in pounds of reported chemical contained in the waste subjected to waste broker for treatment (M95). If field number 137 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 138 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	Field Name	Type	Description
151	BASIS OF ESTIMATE M95	C	A code indicating the principal method by which the waste broker disposal (M94) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
152	TOTAL AMOUNT TRANSFERRED OFF-SITE FOR TREATMENT	N	Total, in pounds, of toxic chemical reported transferred off-site for treatment. Sum of columns (119+123+127+131+135+139). *Source:* System generated *Reference:* None
153	XFERS OFF-SITE POUNDS - ENERGY RECOVERY M56	N	An estimate of the total quantity in pounds of reported chemical sent off-site for energy recovery (M56). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
154	XFERS OFF-SITE RANGE CODE -ENERGY RECOVERY M56	C	Code used to indicate the amount of the toxic chemical sent off-site for energy recovery (M56) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
155	TOTAL XFERS OFF-SITE AMOUNT - ENERGY RECOVERY M56	N	System generated total quantity in pounds of reported chemical contained in the waste sent off-site for energy recovery (M56). If field number 142 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 143 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
156	BASIS OF ESTIMATE M56	C	A code indicating the principal method by which the off-site energy recovery (M56) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
157	XFERS OFF-SITE POUNDS - TRANSFER TO WASTE BROKER-ENERGY RECOVERY M92	N	An estimate of the total quantity in pounds of reported chemical sent to a waste broker for energy recovery (M92). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
158	XFERS OFF-SITE RANGE CODE - TRANSFER TO WASTE BROKER-ENERGY RECOVERY M92	C	Code used to indicate the amount of the toxic chemical sent to a waste broker for energy recovery (M92) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
159	TOTAL XFERS OFF-SITE AMOUNT - TRANSFER TO WASTE-BROKER-ENERGY RECOVERY M92	N	System generated total quantity in pounds of reported chemical sent to a waste broker for energy recovery (M92). If field number 146 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 147 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
160	BASIS OF ESTIMATE M92	C	A code indicating the principal method by which the amount sent to a waste broker for energy recovery (M92) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
161	TOTAL AMOUNT TRANSFERRED OFF-SITE FOR ENERGY RECOVERY	N	Total, in pounds, of toxic chemical reported transferred off-site for energy recovery (144 + 148). *Source:* System generated *Reference:* None

Mum.	Field Name	Type	Description
162	XFERS OFF-SITE POUNDS - SOLVENTS/ORGANICS RECOVERY M20	N	An estimate of the total quantity in pounds of reported chemical sent off-site for solvents/ organics recovery (M20). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
163	XFERS OFF-SITE RANGE CODE - SOLVENTS/ORGANICS RECOVERY M20	C	Code used to indicate the amount of the toxic chemical sent off-site for solvents/organics recovery (M20) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
164	TOTAL XFERS OFF-SITE AMOUNT - SOLVENTS/ORGANICS RECOVERY M20	N	System generated total quantity in pounds of reported chemical contained in the waste off-site for solvents/organics recovery (M20). If field number 151 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 152 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	Field Name	Type	Description
165	BASIS OF ESTIMATE M20	C	A code indicating the principal method by which the amount sent off-site for solvents / organics recovery (M20) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
166	XFERS OFF-SITE POUNDS - METALS RECOVERY M24	N	An estimate of the total quantity in pounds of reported chemical sent off-site for metals recovery (M24). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

167	XFERS OFF-SITE RANGE CODE - METALS RECOVERY M24	C	Code used to indicate the amount of the toxic chemical sent off-site for metals recovery (M24) within a range. If none, the submitter enters zero.
			    A = 1-10
			    B = 11-499
			    C = 500-999
			Source: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE
			Reference: Part II, Section 6.2A

Mum.	Field Name	Type	Description
168	TOTAL XFERS OFF-SITE AMOUNT - METALS RECOVERY M24	N	System generated total quantity in pounds of reported chemical contained in the waste off-site for off-site for metals recovery (M24). If field number 155 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 156 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
169	BASIS OF ESTIMATE M24	C	A code indicating the principal method by which the amount sent off-site for metals recovery (M24) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
170	XFERS OFF-SITE POUNDS - OTHER REUSE OR RECOVERY M26	N	An estimate of the total quantity in pounds of reported chemical sent off-site for other reuse or recovery (M26). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
171	XFERS OFF-SITE RANGE CODE - OTHER REUSE OR RECOVERY M26	C	This field provides the code used to indicate the amount of the toxic chemical sent off-site for other reuse or recovery (M26) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
172	TOTAL XFERS OFF-SITE AMOUNT - OTHER REUSE OR RECOVERY M26	N	System generated total quantity in pounds of reported chemical contained in the waste off-site for other reuse or recovery (M26). If field number 159 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 160 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
173	BASIS OF ESTIMATE M26	C	A code indicating the principal method by which the amount for sent off-site for other reuse or recovery (M26) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B

Mum.	Field Name	Type	Description
174	XFERS OFF-SITE POUNDS - ACID REGENERATION M28	N	An estimate of the total quantity in pounds of reported chemical sent off-site for acid regeneration (M28). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
175	XFERS OFF-SITE RANGE CODE - ACID REGENERATION M28	C	Code used to indicate the amount of the toxic chemical sent off-site for acid regeneration (M28) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.**POUND_RANGE_ CODE *Reference:* Part II, Section 6.2A
176	TOTAL XFERS OFF-SITE AMOUNT - ACID REGENERATION M28	N	System generated total quantity in pounds of reported chemical contained in the waste off-site for acid regeneration (M28). If field number 163 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 164 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	Field Name	Type	Description
177	BASIS OF ESTIMATE M28	C	A code indicating the principal method by which the amount sent off-site for acid regeneration (M28) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
178	XFERS OFF-SITE POUNDS - TRANSFER TO WASTE BROKER-RECYCLING M93	N	An estimate of the total quantity transferred to a waste broker for recycling (M93). Range codes may be used for transfers of less than 1000 lbs. *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
179	XFERS OFF-SITE RANGE CODE - TRANSFER TO WASTE BROKER-RECYCLING M93	C	Code used to indicate the amount of the toxic chemical transferred to a waste broker for recycling (M93) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
180	TOTAL XFERS OFF-SITE AMOUNT - TRANSFER TO WASTE BROKER-RECYCLING M93	N	System generated total quantity in pounds of reported chemical contained in the waste transferred to a waste broker for recycling (M93). If field number 167 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 168 is used for the total value. *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
181	BASIS OF ESTIMATE M93	C	A code indicating the principal method by which the amount transferred to a waste broker for recycling (M93) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
182	TOTAL AMOUNT TRANSFERRED OFF-SITE FOR RECYCLING	N	Total, in pounds, of toxic chemical reported transferred off-site for recycling. Sum of Columns (153 + 157 + 161 + 165 + 169). *Source:* System generated *Reference:* None
183	XFERS OFF-SITE RCRA SUBTITLE C SURFACE IMPOUNDMENT POUNDS M66	N	An estimate of the total quantity of a chemical contained in the waste transferred off-site to a RCRA Subtitle C surface impoundment (M66). Range codes may be used for transfers of less than 1000 lbs. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
184	RCRA SUBTITLE C SURFACE IMPOUNDMENT RANGE CODE M66	C	Code used to indicate the amount of the toxic chemical transferred off-site for RCRA Subtitle C surface impoundment (M66) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
185	RCRA SUBTITLE C SURFACE IMPOUNDMENT TOTAL AMOUNT M66	N	System generated total quantity of a chemical contained in the waste transferred off-site for RCRA Subtitle C surface impoundment (M66). If field number 172 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 173 is used for the total value. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
186	BASIS OF ESTIMATE M66	C	A code indicating the principal method by which the total RCRA Subtitle C surface impoundment (M66) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B

Mum.	Field Name	Type	Description
187	XFERS OFF-SITE OTHER SURFACE IMPOUNDMENT POUNDS M67	N	An estimate of the total quantity of a chemical contained in the waste transferred off-site to Other surface impoundment (M67). Range codes may be used for transfers of less than 1000 lbs. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
188	OTHER SURFACE IMPOUNDMENT RANGE CODE M67	C	Code used to indicate the amount of the toxic chemical transferred off-site for Other surface impoundment (M67) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
189	OTHER SURFACE IMPOUNDMENT TOTAL AMOUNT M67	N	System generated total quantity of a chemical contained in the waste transferred off-site for Other surface impoundment (M67). If field number 176 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 177 is used for the total value. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)

Mum.	Field Name	Type	Description
190	BASIS OF ESTIMATE M67	C	A code indicating the principal method by which the total other surface impoundment (M67) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
191	XFERS OFF-SITE UNDERGROUND INJ. CLASS I WELLS POUNDS M81	N	An estimate of the total quantity of a chemical contained in the waste transferred off-site for underground injection into class I wells (M81). Range codes may be used for transfers of less than 1000 lbs. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A
192	UNDERGROUND INJ. CLASS I WELLS RANGE CODE M81	C	Code used to indicate the amount of the toxic chemical transferred to off-site underground injection class I wells (M81) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
193	UNDERGROUND INJ. CLASS I WELLS TOTAL AMOUNT M81	N	System generated total quantity of a chemical contained in the waste transferred to off-site underground injection class I wells (M81). If field number 180 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 181 is used for the total value. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
194	BASIS OF ESTIMATE M81	C	A code indicating the principal method by which the total underground injection into class I wells (M81) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B
195	XFERS OFF-SITE UNDERGROUND INJ. CLASS II-V WELLS POUNDS M82	N	An estimate of the total quantity of a chemical contained in the waste transferred off-site for underground injection into class II-V wells (M82). Range codes may be used for transfers of less than 1000 lbs. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source*: **TRI_TRANSFER_QTY.** TOTAL_TRANSFER *Reference:* Part II, Section 6.2A

Mum.	Field Name	Type	Description
196	UNDERGROUND INJ. CLASS II-V WELLS RANGE CODE M82	C	Code used to indicate the amount of the toxic chemical transferred to off-site underground injection class II-V wells (M82) within a range. If none, the submitter enters zero. A = 1-10 B = 11-499 C = 500-999 *Source*: **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* Part II, Section 6.2A
197	UNDERGROUND INJ. CLASS II-V WELLS TOTAL AMOUNT M82	N	System generated total quantity of a chemical contained in the waste transferred to off-site underground injection class I wells (M82). If field number 184 is not blank, its contents are used as the total. If it is blank, the middle of the range for the code used in field number 185 is used for the total value. Amounts are reported in grams for Dioxins and pounds for all other chemicals *Source:* **TRI_TRANSFER_QTY.** TOTAL_TRANSFER or **TRI_TRANSFER_QTY.** TRANSFER_RANGE_CODE *Reference:* NA (system generated)
198	BASIS OF ESTIMATE M82	C	A code indicating the principal method by which the total underground injection into class II-V wells (M82) estimate was calculated. The codes and corresponding methods are: C = mass balance calculations E = published emission factors E1 = published emission factors E2 = on site-specific emission factors M = monitoring data M1 = continuous monitoring data M2 = periodic/random monitoring data NA = not applicable O = other X = invalid data *Source:* **TRI_TRANSFER_QTY.** TRANSFER_BASIS_EST_CODE *Reference:* Part II, Section 6.2B

Mum.	Field Name	Type	Description

199	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

200	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

201	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

202	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

203	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 (EXPECT WHEN CONTIANED IN AN ALLOY)
ZINC (FUME OR DUST)