

```
XMLSchema" xml version="1.0" encoding="UTF-8"
exchangenetwork" _ <xsd:schema
targetNamespace="http://www.epa.gov/exchangenetwork"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:nei="http://www.epa.gov/exchangenetwork"
elementFormDefault="qualified" attributeFormDefault="unqualified"
<xsd:include schemaLocation="EN_NEI_Common_v3_0.xsd" />
<!--
Start of Schema Header
-->
<xsd:annotation base="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://www.epa.gov/exchangenetwork"
documentation="Point" />
<xsd:documentation base="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://www.epa.gov/exchangenetwork"
documentation="Available: http://www.epa.gov/exchangenetwork" />
<xsd:documentation base="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://www.epa.gov/exchangenetwork"
documentation="input format" />
<xsd:documentation base="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://www.epa.gov/exchangenetwork"
documentation="user" />
<xsd:documentation base="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://www.epa.gov/exchangenetwork"
documentation="Agency" />
Default="qualified" attributeFormDefault="unqualified"
schemaLocation="EN_NEI_Common_v3_0.xsd" />
Header
Schema Name: NEI XML 3.0
Current Version
http://www.epa.gov/exchangenetwork
Description: The NEI XML 3.0 Point
Application: Varies by
Developed By: Environmental Information
http://www.epa.gov/exchangenetwork
http://www.w3.org/2001/XMLSchema
http://www.epa.gov/exchangenetwork
t="qualified" attributeFormDefault="unqualified"
aLocation="EN_NEI_Common_v3_0.xsd" />
ion>Schema Name: NEI XML 3.0
cumentation>
n>Current Version
//www.epa.gov/exchangenetwork</
>Description: The NEI XML 3.0 Point
t:documentation>
Application: Varies by
```

Toxic Release Inventory Flow Configuration Document (FCD)

Version: 1.2

Revision Date: 12/29/2005



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| 0.8 | 10/29/2004 | First Draft |
| 0.9 | 11/15/2004 | <ul style="list-style-type: none"> • Implemented technical and legal updates from Erin Koch (EPA) • Minor edit to one TRI-ME to XML mapping field (STATE fields correctly map to XML StateCode, not StateName) |
| 0.92 | 11/19/2004 | <ul style="list-style-type: none"> • Several updates to TRI-ME to XML mapping fields. Changes are highlighted in bold red print. |
| 0.93 | 3/12/2005 | <ul style="list-style-type: none"> • Corrected mapping of CERT_LTR element (Row 184) to indicate Form R or Form A in the XML file |
| 0.94 | 9/7/2005 | <ul style="list-style-type: none"> • Standard EN cover page • Addition of Form A/R Indicator for each element in the flat file to XML mapping table in the appendix • Corrections to XML Mapping Appendix in green, including: <ul style="list-style-type: none"> ○ Row 3 – Unmapped FACSEQ, since XML Facility Identifier is populated with F_ID (Row 179). ○ Row 10 – Mapping logic updated to correctly handle the Partial Facility indicator ○ Row 83 – Mapping logic updated to handle GOCO and Federal Facility Indicator correctly ○ Row 123 – POTW Name (concatenate to prior field) ○ Row 125 – POTW Street (concatenate) ○ Row 134 – Offsite Facility Name (concatenate) ○ Row 136 – Offsite Facility Street (concatenate) ○ Row 141 – XML element map was on row 142 for the Controlled Location Indicator ○ Row 142 – XML mapping added to CountryName ○ Row 166-174 – Waste treatment Method code logic footnote added to handle multiple rows in the flat file |
| 1.2 | 12/29/2005 | <ul style="list-style-type: none"> • Included EPA announcement to send all TRI data outbound • Updated mapping appendix to include changes for TRI schema version 1.2 (RY2005). Changes appear in bold blue text |

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Introduction

About the TRI Program and TRI Reporting

The Toxic Release Inventory is an EPA program enacted as part of the Emergency Planning and Community Right to Know Act (EPCRA) of 1996. Sections 311 and 312 of EPCRA require businesses to report the locations and quantities of chemicals stored on-site to state and local governments in order to help communities prepare to respond to chemical spills and similar emergencies. EPCRA Section 313 requires certain facilities to report data on releases and transfers of certain toxic chemicals to both EPA and the state in which they are located. The statute also requires that EPA make the data available to the public in the Toxics Release Inventory. In 1990 Congress passed the Pollution Prevention Act which required that additional data on waste management and source reduction activities be reported to the TRI.

Every year, tens of thousands of facilities in the United States submit reporting forms to both the state and EPA. Initially, all reports were completed on paper forms and sent via postal mail. EPA established a data processing center, which manually entered data from the TRI reporting forms into the EPA's data systems.

In 2000, EPA piloted TRI-ME (TRI Made Easy), a software tool to assist facilities in preparing their TRI submissions. TRI-ME was fully implemented the following year, allowing all facilities to use the new method of submission. Facilities which used TRI-ME were able to send a magnetic media diskette via mail to states and EPA.

State may process the EPA file format using a free software application, UTIL, provided by the EPA. UTIL allows states to read in data from diskette submissions, type data from paper submissions and export data to an ODBC-compliant database such as MS Access, Oracle or MS SQL Server.

In more recent years, TRI-ME has allowed facilities to submit TRI-ME files to EPA via EPA's Central Data Exchange (CDX) Web Portal. This process eliminates the problems associated with submission of diskettes via "snail mail" such as lost or damaged media.

Today, more than 60% of TRI submissions are completed electronically (either via CDX or mailed diskettes).

Looking to the future, the TRI program is embarking on a project to create TRI-ME Web, a web-based version of TRI-ME. A pilot of TRI-ME Web is expected to take place in spring, 2006. TRI-ME Web will offer numerous advantages over the current model including instantaneous submission to both EPA and participating states, much more rigorous tracking of revisions, flexible and efficient mechanism for implementing new business rules, validation and feedback.

Recently, EPA announced that a project is underway to transmit *all* received TRI reports to participating exchange partners, not just reports received via CDX. This important development increases the usefulness of the TRI exchange dramatically, potentially allowing states to use the Exchange Network exclusively for receiving and archiving all federal TRI reporting data. The timeline for completion of this initiative is not yet known. Please contact the EPA TRI data exchange coordinator for more information.

About the TRI Data Exchange Project

The TRI Reporting flow was identified by the NSB (Network Steering Board) as a logical candidate for outbound data flow from EPA to states. The goal of this project is to define the exchange network requirements (i.e., XML schema and data services) to support the outbound flow of EPA TRI data to states.

This project represents the first phase of integration of TRI into the Exchange Network. As such, the project seeks to address a limited set of tasks and deliverables. The following deliverables are included in the scope of this project:

- Development of an XML schema for TRI data
- Development of a Flow Configuration Document (FCD)

In conjunction with this project, the integrated project team (IPT) has set a goal to pilot the data flow described in this document with four states by February 2005. The TRI data exchange pilot states are South Carolina, Virginia, Michigan and Indiana.

Flow Configuration Document Scope

A FCD is intended to define the supported data services and processes that are used to exchange information. In addition, the FCD serves as a guide for trading partners the details and challenges associated with a specific flow.

A fundamental objective of the Exchange Network is to migrate away from one-way submissions to national data systems and implement dynamic exchanges of information amongst trading partners; with the originating system being the definitive source and steward of the data. It is expected that after an initial instantaneous push of facility-submitted data to state and tribal partners, EPA will serve as the definitive data source for this data flow. State agencies and tribes may request and/or receive TRI data from the EPA system.

Since this is the initial implementation of the TRI data flow over the exchange network, the goals of the project are limited. It is expected that expansion on the TRI data flow will encompass additional data exchange capabilities. The IPT has explored many of the features that will be required for an expansion of the pilot flow, and these conclusions have been added as an appendix to this document for future consideration.

The scope of this document and pilot data exchange is limited to the process of forwarding a copy of electronically reported TRI submissions to the CDX Web Site through the CDX Node and automatically sent on to exchange network partners. This will provide states with 'real-time', simultaneous receipt of the raw TRI data submitted by reporters, which will have the added benefit of reducing the burden of the current, statutory dual reporting requirement that compels facilities to make two submissions, one to EPA and one to their state.

The high-level process would include the following steps:

1. A Facility submits their TRI report data to EPA using the CDX Web portal
2. The CDX Web portal will send the data to the CDX Node
3. The CDX Node will transform the data from the TRI-ME text format to XML format
4. The CDX Node will transmit the TRI data in XML format to the appropriate Exchange Network partner's node
5. The Exchange Network partner will process the TRI data into its own data system

In this exchange scenario, CDX always initiates the process. One feature of this exchange is that only one facility's submission is transmitted at a time from CDX to the appropriate exchange partner. It is recognized that beyond the pilot phase, exchange partners may wish to request a variety of TRI data from EPA. This exchange scenario is not formalized in this version of the FCD; however Appendix A lays the foundation for this type of exchange which is expected for the next phase of the TRI data exchange.

How to use this FCD

This document is designed to provide vital information to Exchange Network flow implementers at EPA, states and tribes which wish to receive TRI submissions from the CDX node.

Prior to using this document, flow implementers should be familiar with the Exchange Network (www.exchangenetwork.net) and the EPA TRI Program (www.epa.gov/TRI). Furthermore, each partner should become familiar with how their own agency stores and utilizes TRI data and develop a strategy for handling TRI data once it is received. Exchange network partners will need to have an operational node before implementing the TRI data flow described in this document.

TRI Data Services

Data services are request-driven exchanges of data. A data service must be published by a data provider, which allows a requestor to retrieve information at any time. In the TRI exchange, data services will allow an exchange network partner to request TRI data from EPA. It is envisioned that this request might be for a variety of data needs such as TRI data for a given year, geographical boundary, chemical or industry.

| |
|---|
| This version of the FCD does not define any data services to be published by EPA. |
|---|

Please refer to Appendix A which contains draft definitions for TRI data services which are envisioned for a future expansion of the TRI data flow.

While this exchange is certainly envisioned in the future, the pilot data exchange is limited to a “push” of TRI data from EPA to other exchange partners. This type of exchange is considered a *Data Flow*, since it is not initiated manually; rather it relies on trigger events to initiate a data exchange. Data Flows are discussed in the following section.

TRI Data Flow Configuration

Data Flow Overview

According to Exchange Network guidance, a *data flow* is defined as “a documented grouping of related data, their defined format, and the requests and responses, as defined by the Network Exchange Protocol and Network Node Functional Specification”. The TRI data flow consists of the automated transmission of TRI facility submission data from CDX to exchange partners.

The following diagram depicts how this data flow will be executed:

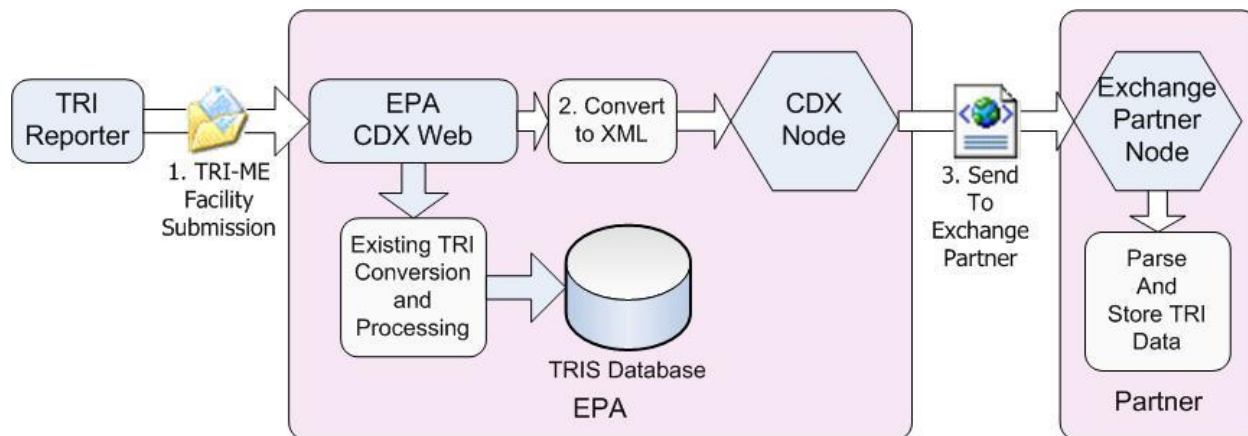


Figure 1: TRI Data Flow

The event and processing sequence for the TRI data flow is outlined below:

1. A facility prepares their TRI submission (which contains one or more TRI Reports)
2. The facility uploads their TRI submission to the EPA CDX Web site (using TRI ME)
3. The EPA TRI Flow processor transforms the submission from the flat file format¹ to the TRI XML format². This process occurs in parallel with the existing conversion and processing routines in place at EPA to read TRI data into the TRIS database
4. The CDX node then invokes a series of web services calls to transmit the data to the exchange partner (discussed in detail in the following section)
5. The receiving node parses the XML and processes the TRI data as dictated by the agency's business processes

Note that data submissions do not pass any internal EPA validation (beyond the validation performed in the TRI-ME desktop software) before being redirected to an exchange partner. As a result, the XML file will not contain any report metadata except a received date.

¹ See Appendix B for information about the TRI Flat File submission format

² See the TRI Schema User's Guide for information about the TRI XML schema

Data Flow Web Services Process

The following diagram illustrates the “conversation” between nodes to complete the exchange of TRI data.

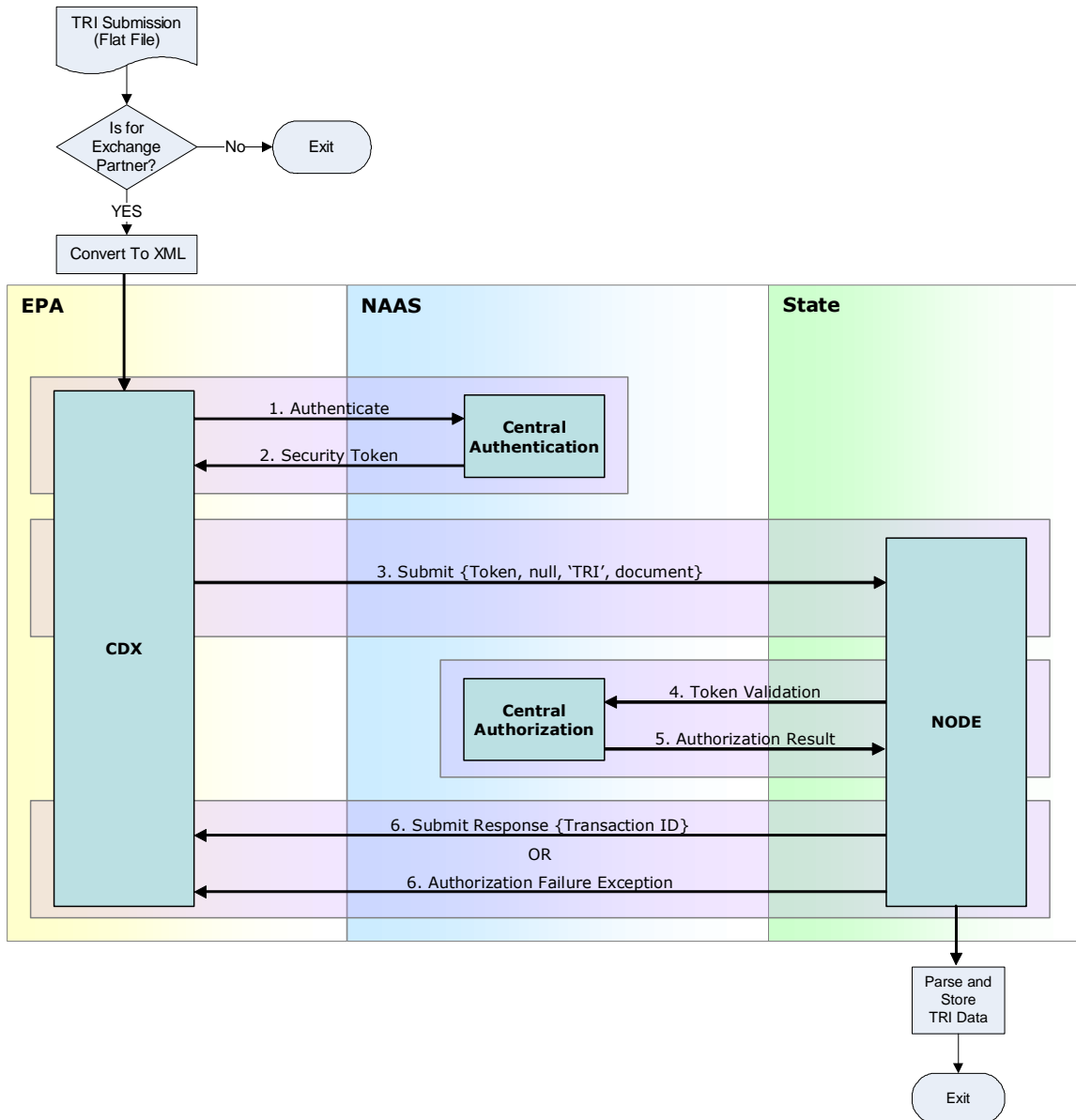


Figure 2: The TRI Data Flow Web Services Process

Pre-conditions

Before a web services dialogue can be initiated, CDX must determine if a received TRI submission is for a facility in an exchange partner’s state. If the submission is for a facility located in a state other than one which is participating in the exchange, then no action takes place. If the submission is for a facility located within a participating state, then CDX should proceed with the exchange.

CDX must then convert the received TRI submission files to the XML. Once the transformation is complete, then CDX will initiate a web services “conversation” with the exchange partner.

Processing

1. The CDX Node will attempt to **Authenticate** against the Network Authentication and Authorization Service (NAAS) for authentication³.
2. NAAS will provide CDX with a security token which will be used to allow the State Node to validate that the submission of TRI data is coming from CDX.
3. The CDX Node will attach the TRI submission in as a single `nodeDocument` in the `documents` parameter of the **Submit** web services method, along with the security token from the **Authenticate** response. No `transactionId` parameter should be included, since the method call is not included as a part of a larger transaction. Finally, the `dataflow` Parameter will be set to **TRI**. CDX then submits the message to the receiving Node.
4. The receiving Node will validate the security token against NAAS.
5. NAAS Central Authorization will respond with a result that will state whether access is granted or denied.
6. If authorization and receipt of the TRI document is successful, then the State Node will respond to the Submit along with a Transaction ID⁴. This Transaction ID will only be of use if the State subsequently finds some problem with the XML document. CDX will store the transaction ID along with the XML document submitted and so thus will provide some traceability in case of an issue that may require later, manual follow-up. If the security token does not validate against NAAS, the submit response should contain a SOAP fault indicating the error.

Post-conditions

When the submission is received by the State or Tribal partner, the business processes defined by the partner will dictate the proper action. Options include writing the submission to the file system or a database. Regardless of the action taken, the receiver should generate a Transaction ID and return it to the CDX node for tracking purposes.

³ Please see <http://naas.epacdxnode.net/> and the exchange network web site for more information.

⁴ A Transaction ID is a globally unique identifier (GUID) which can easily be generated in many programming languages

Other Considerations

Exchange Network Header

The Exchange Network has developed an XML document known as the Exchange Network Header (EN Header). This document serves as a XML wrapper around a given payload. The header contains information about the submitter and data about the contents of the payload. The header is particularly useful in complex data flows where the header contains about how the payload needs to be processed by the receiver.

It is not recommended that the TRI data flow implement the EN Header. Since each partner utilizes TRI data differently, processing instructions are not needed. Furthermore, it is understood that the origin of TRI data will be CDX, which will receive it directly from the reporting facility. Therefore, additional sender information would be unnecessary. Lastly, it is likely that the EN Header will be undergoing a significant revision in the near future. As such, using the header would be overly burdensome because TRI processing would require reengineering in the near future.

Revisions

Facilities have the ability to resubmit their TRI forms if they found that they have misstated or misrepresented their data. For the pilot data flow, this has no implications since each submitted file is automatically forwarded to the correct network partner. For bulk data exchange services (described in Appendix A), this becomes an issue. The IPT determined that there is no need to send all of a facilities superseded reports. Only the most current revision of any one report will be transmitted.

Limitations of Pilot TRI Data Exchange

The TRI pilot flow described in this document is meant to demonstrate the feasibility of using the Exchange Network to flow TRI data from CDX to states. The services included in the TRI pilot are sufficiently robust enough to synchronize state TRI databases with EPA TRI data until electronic reporting becomes universal.

Limited number of TRI Facilities using CDX

Of the universe of reporting facilities, only about 30% submit via CDX. This means about 70% of reporting facilities' data will not be transmitted over the Exchange Network using the data services described in this document⁵. Some states will need to maintain their existing processes for capturing TRI data from paper forms or diskette submissions. *Please see footnote below.*

With the inevitable transition to web-based reporting and evolving technological capacity, it may not be far off when all facilities will be reporting via TRI-ME Web. If this occurs, it will be possible for the web services flow of TRI data to be the only mechanism for transmitting TRI data to partner states.

States Can Not Retrieve TRI Data from EPA

Under the current TRI flow configuration scope, TRI data is "pushed" to exchange partners from CDX. The ability for states to retrieve larger and more focused TRI data sets is understood to be of great value

⁵ EPA announced plans on December 21, 2005 to send ALL TRI reports received by EPA to state nodes, regardless of the media type, including paper and diskette submissions. This capability may or may not be available in time for RY2005. Please check with the EPA TRI contact for more information on this important development.

to states. This capability will be explored in the next phase of the project. Please refer to Appendix A for a discussion on data services which would allow exchange partners to dynamically retrieve data from EPA.

Appendix A – Version 2 TRI Data Services

Overview

Beyond the task of ‘pushing’ received TRI submission from EPA to States, the future TRI network exchange may provide States with a variety of web services that will allow them to solicit more comprehensive sets of TRI data.

One of the major hurdles prohibiting the implementation of these services is that EPA does not have a readily accessible data source for raw TRI data. The EPA TRIS system which stores all raw (i.e., as reported by TRI facility) data, along with corrections, revisions, validation test results and data from paper submissions is not readily accessible by CDX. While the internal EPA Envirofacts database is accessible, it only contains cleaned TRI data, which provides significantly less value to state agencies. EPA is working to find a solution for exposing timely and more comprehensive TRI data over the Exchange Network.

The following diagram illustrates the basic process for retrieving data from EPA via the anticipated future data services:

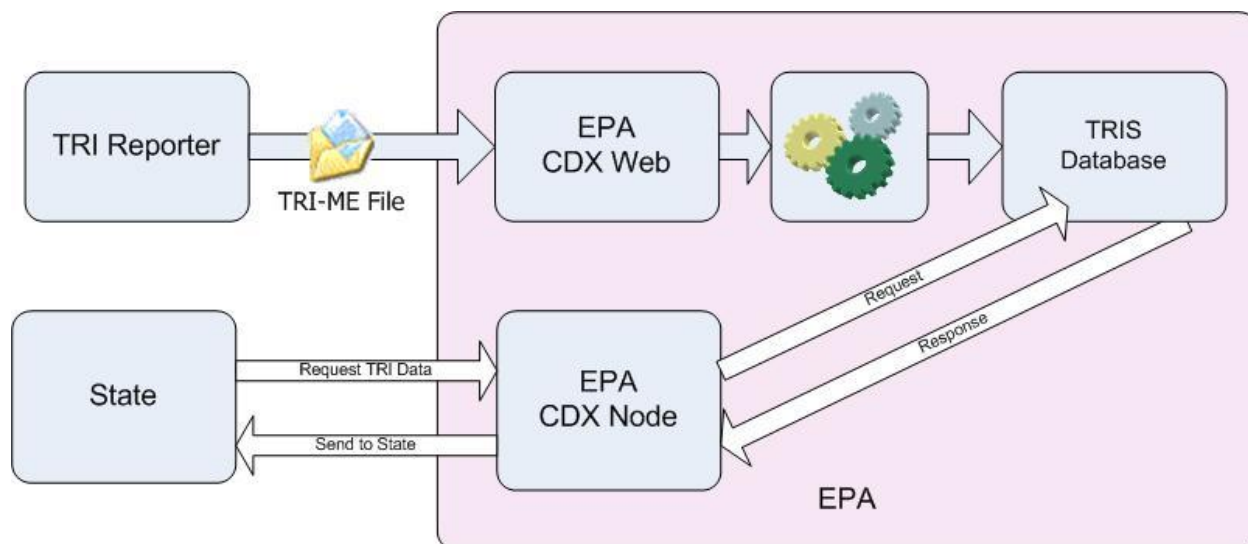


Figure 3: Exchange Partners Retrieving Data Directly from the EPA TRIS Database

Data Services for Database Synchronization

The following data service will provide the functionality needed for an exchange partner to retrieve TRI data from EPA for the purposes of local database synchronization.

Get TRI Data

Overview

This data service is used to retrieve all of the TRI Reports for a given state or array of states. The result can be filtered for a given reporting year if desired. This service would be used to refresh a state's database with all the TRI data for a given year. The Change Date parameter allows states to retrieve only data which has changed in the EPA TRI database since a given date. Using the Change Date parameter will reduce the size of the dataset substantially

Processing

- State Code – (Required) The two character code for a given state. For multiple states, use a pipe (|) delimiter to separate state codes.
- Year – (Optional) The four digit reporting year. For multiple years, use a pipe (|) delimiter to separate years. Providing no value returns all years
- Change Date – (Optional) If no change date is specified, all data for the above criteria will be returned. This service utilizes the change date parameter to permit requesting partners to limit the data returned.
- Cleaned Data (Optional) - Allows for indicating whether the service should provide raw TRI data as reported by facilities, or cleaned data as the result of EPA validation and data cleansing processes. If no value is provided, the service defaults to returning raw data.

Configuration

| | |
|--|---|
| Data Service Name | TRI.GetTRIData |
| Data Service Type | Solicit |
| Data Service Parameters, Order, and Format | <p>An array of string values representing the query parameters for the information request. Unused parameters must be indicated in the parameter array. Where an individual parameter itself includes an array of values, the discrete values must be delimited.</p> <p>State Code (string) [required] Year (string) [optional] Change Date (Date) [optional] Cleaned Data (Boolean) [optional]</p> <p>Delimiter: Pipe ()</p> |
| Return Method (If Solicit) | Either via download or Submit with a Return URL |
| Payload Format (Schema) | TRI_TRI_v1.0 |
| Data Service Timing/Initiation | N/A |
| Naming Convention | N/A |

| | |
|--------------------------------------|---|
| Security | Standard EN Protocol |
| NAAS Authorized User Accts. | CDX Node (epacdxnode@csc.com) |
| Other Security | N/A |
| Encryption | N/A |
| Signature | N/A |
| Data Service Management and Workflow | See Overview for this Service |
| Data Service Status/Fault Conditions | Protocol and Specification Default Conditions |

Appendix B –TRI-ME to XML Cross Reference

Mapping TRI-ME Flat Files to XML

TRI-ME Specifications

CDX will need to convert incoming TRI-ME files from the flat, text format to TRI XML format for flowing data back to Exchange Network partners. The TRI-ME flat file specification varies from year to year as TRI form elements change. Developers should begin by referencing the EPA published document “Magnetic Media Formats RY2003” which discusses the position and format of each data element in detail.

The flat file specifications can be found at the following URLs:

2001:

http://www.epa.gov/tri/guide_docs/2001/mag_media_file_format_2001.pdf

2002:

http://www.epa.gov/triinter/guide_docs/2002/magneticmediafileformatsry2002a_0415rev.pdf

2003:

http://www.epa.gov/triinter/guide_docs/2003/Mag_Media_03.pdf

Please see the appendices for a field-by-field mapping of 2003 TRI-ME magnetic media format to XML.

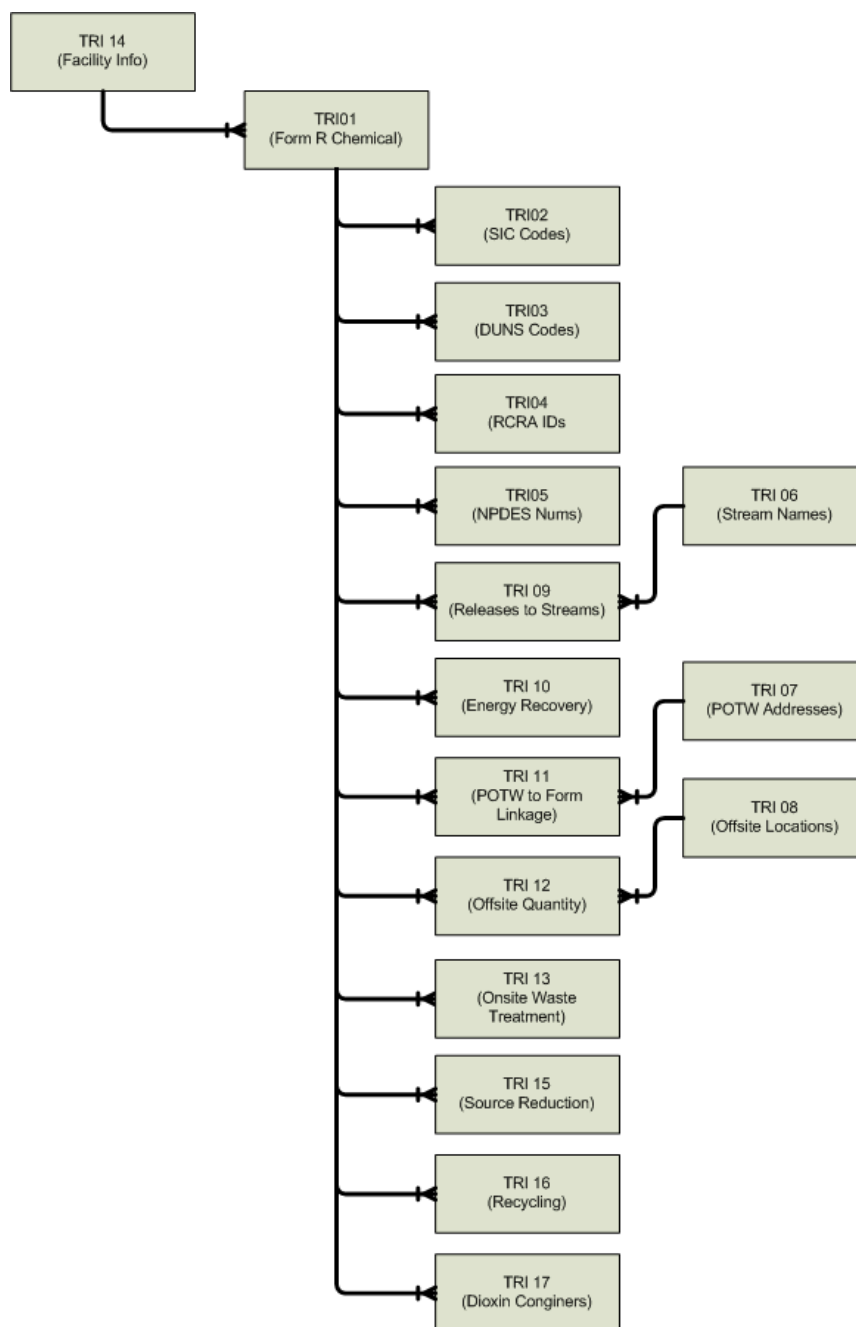
TRI-ME Flat File-to-XML Hierarchy

Please note that this document is not intended to be a definitive reference for the TRI-ME flat file format.

In order to successfully map data from the flat-file format to TRI XML, the structural mapping between the two formats must be understood. The following diagram displays the hierarchy of data in the TRI-ME flat file spec. Each box represents one file within a TRI-ME submission

A brief explanation of each TRI-ME file follows along with pertinent information about mapping from flat format to XML

- | | |
|--------|--|
| TRI 01 | Each row in the TRI01 file will map to a single Report element in TRI XML. Each report has a unique REPORT_NUM. All child records (in flat files) use this as a foreign key. Each record relates to one facility in TRI14. In TRI-ME, there should only be one Facility in the TRI14 file. Each submission should map with only one facility. |
| TRI 02 | Each row in TRI02 will map to a single SICCode element in the Facility block |
| TRI 03 | Each row in TRI03 will map to a single FacilityDunBradstreetNumber element in the Facility block |
| TRI 04 | Each row in TRI04 will map to a single RCRAIdentificationNumber element in the Facility block |
| TRI 05 | Each row in TRI05 will map to a single NPDESIdentificationNumber element in the Facility block |



The TRI-ME Flat-file Relational Model

- TRI 06 Used in conjunction with TRI09 to populate the **Report\OnsiteReleaseQuantity** block. Use data from TRI09 to populate the **Report\OnsiteReleaseQuantity\WaterStream\StreamName** element
- TRI 07 Used in conjunction with TRI11 to populate the **Report\TransferLocation** block. Use TRI07 to retrieve the names and addresses of publicly owned treatment works (POTWs). Use TRI11 data to determine which POTWs to add to the report. Note that **Report\TransferLocation\TransferQuantity** element is unused for POTWs.

-
- TRI 08 Used in conjunction with TRI12 to populate the **Report\TransferLocation** block. TRI08 contains the facility name and address info, while TRI12 contains the data for the **Report\TransferLocation\TransferQuantity** elements.
- TRI 09 Child of TRI06, related on STREAMCODE. Data from TRI09 is used to populate the **Report\OnsiteReleaseQuantity\WaterStream\StreamName** element.
- TRI 10 Each row in TRI10 maps to a **Report\OnsiteRecoveryProcess** block
- TRI 11 See TRI07. This table links a subset of the POTWs in TRI07 to the report.
- TRI 12 See TRI08. TRI12 contains data for the **Report\TransferLocation\TransferQuantity** elements
- TRI 13 TRI13 maps to **Report\WasteTreatmentDetails**. One report should have multiple waste treatment records.
- TRI 14 Contains facility information which maps to **TRI\Submission\Facility**.
- TRI 15 One row should exist for each report. Maps to **Report\SourceReductionActivity**.
- TRI 16 Each row maps to **Report\OnsiteRecyclingProcess \OnsiteRecyclingMethodCode** for a given report.
- TRI 17 Maps to the Dioxin elements in **Report\ChemicalIdentification**

RY2003 Flat File to XML Mapping

This table has been adapted from the published TRI Magnetic Media File Formats RY2003/4 and RY2005 document. Please reference the source document for comprehensive field descriptions, comments and other special conditions. Please see the TRI XML Data Exchange Template (DET) spreadsheet to see where each XML Element is located within the TRI XML Schema. The **Form** column indicates whether the element is present in only a Form R or both Form R and Form A.

| Rec # | File | Field | Field Name | Type | Width | Start | End | Pg. (R) | Section | TRI XML Element | Comments | Form |
|-------|-------|-------|------------|-----------|-------|-------|-----|---------|---------|---|---------------------------------|------|
| 1 | TRI01 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 2 | TRI01 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | Report\ReportIdentifier | Not required | R/A |
| 3 | TRI01 | 3 | FAC_SEQNUM | Character | 4 | 8 | 11 | | | N/A | Not required | |
| 4 | TRI01 | 4 | TRADE_SCRT | Character | 1 | 12 | 12 | 1 | 2.1 | Report\ChemicalTradeSecret Indicator | N = false, Y = true | R/A |
| 5 | TRI01 | 5 | SANITIZED | Character | 2 | 13 | 14 | 1 | 2.2 | Report\SubmissionSanitized Indicator | N = false, Y = true, N/A = null | R/A |
| 6 | TRI01 | 6 | REPORT_YR | Character | 4 | 15 | 18 | 1 | 1 | Report\SubmissionReporting Year | | R/A |
| 7 | TRI01 | 7 | CERT_NAME | Character | 45 | 19 | 63 | 1 | 3 | Report\CertifierName | | R/A |
| 8 | TRI01 | 8 | CERT_TITLE | Character | 45 | 64 | 108 | 1 | 3 | Report\CertifierTitleText | | R/A |
| 9 | TRI01 | 9 | CERT_DATE | Character | 8 | 109 | 116 | 1 | 3 | Report\CertificationSignedDate | | R/A |
| 10 | TRI01 | 10 | PART_FAC | Character | 1 | 117 | 117 | 1 | 4.2 | If = "A" Then Report\SubmissionPartialFacilityIndicator = false If = "B" Then Report\SubmissionPartialFacilityIndicator = true | | R/A |
| 11 | TRI01 | 11 | TECH_NAME | Character | 45 | 118 | 162 | 1 | 4.3 | Report\TechnicalContactName Text\IndividualFullName | | R/A |
| 12 | TRI01 | 12 | TECH_PHONE | Character | 20 | 163 | 182 | 1 | 4.3 | Report\TechnicalContactPhone Text | | R/A |
| 13 | TRI01 | 13 | CONT_NAME | Character | 45 | 183 | 227 | 1 | 4.4 | Report\PublicContactNameText\ IndividualFullName | | R/A |
| 14 | TRI01 | 14 | CONT_PHONE | Character | 20 | 228 | 247 | 1 | 4.4 | Report\PublicContactPhoneText | | R/A |
| 15 | TRI01 | 15 | UIC_NUM1 | Character | 12 | 248 | 259 | 1 | 4.10a | Facility\UICIdentificationNumber | | R/A |
| 16 | TRI01 | 16 | UIC_NUM2 | Character | 12 | 260 | 271 | 1 | 4.10b | Facility\UICIdentificationNumber | | R/A |
| 17 | TRI01 | 17 | CAS_NO | Character | 9 | 272 | 280 | 2 | 1.1 | Report\ChemicalIdentification\CASNumber | | R/A |
| 18 | TRI01 | 18 | CHEM_NAME | Character | 70 | 281 | 350 | 2 | 1.2 | Report\ChemicalIdentification\ ChemicalNameText | | R/A |
| 19 | TRI01 | 19 | MIXTURE | Character | 70 | 351 | 420 | 2 | 2.1 | Report\ChemicalIdentification\ ChemicalMixtureNameText | | R/A |
| 20 | TRI01 | 20 | PRODUCE | Character | 1 | 421 | 421 | 2 | 3.1 | Report\ChemicalActivitiesAnd Uses\ChemicalProduced Indicator | N = false, Y = true | R |
| 21 | TRI01 | 21 | IMPORT | Character | 1 | 422 | 422 | 2 | 3.1 | Report\ChemicalActivitiesAnd Uses\ChemicalImported Indicator | N = false, Y = true | R |
| 22 | TRI01 | 22 | ON_SITE | Character | 1 | 423 | 423 | 2 | 3.1 | Report\ChemicalActivitiesAnd Uses\ChemicalUsedProcessed Indicator | N = false, Y = true | R |
| 23 | TRI01 | 23 | SALE_DIST | Character | 1 | 424 | 424 | 2 | 3.1 | Report\ChemicalActivitiesAnd Uses\ChemicalSalesDistribution Indicator | N = false, Y = true | R |
| 24 | TRI01 | 24 | BYPRODUCT | Character | 1 | 425 | 425 | 2 | 3. | Report\ChemicalActivitiesAnd Uses\ChemicalByproduct Indicator | N = false, Y = true | R |
| 25 | TRI01 | 25 | IMPURITY | Character | 1 | 426 | 426 | 2 | 3.1 | Report\ChemicalActivitiesAnd Uses\ChemicalManufacture ImpurityIndicator | N = false, Y = true | R |

| | | | | | | | | | | | | |
|----|-------|----|------------|-----------|----|-----|-----|---|-------|---|---------------------|---|
| 26 | TRI01 | 26 | REACTANT | Character | 1 | 427 | 427 | 2 | 3.2 | Report\ChemicalActivitiesAnd Uses\ChemicalReactantIndicator | N = false, Y = true | R |
| 27 | TRI01 | 27 | FORMULATN | Character | 1 | 428 | 428 | 2 | 3.2 | Report\ChemicalActivitiesAnd Uses\ChemicalFormulation ComponentIndicator | N = false, Y = true | R |
| 28 | TRI01 | 28 | ARTICLE | Character | 1 | 429 | 429 | 2 | 3.2 | Report\ChemicalActivitiesAnd Uses\ChemicalArticleComponent Indicator | N = false, Y = true | R |
| 29 | TRI01 | 29 | REPACKAGE | Character | 1 | 430 | 430 | 2 | 3.2 | Report\ChemicalActivitiesAnd Uses\ChemicalRepackaging Indicator | N = false, Y = true | R |
| 30 | TRI01 | 30 | IMPURITY2 | Character | 1 | 431 | 431 | 2 | 3.2 | Report\ChemicalActivitiesAnd Uses\ChemicalProcessImpurity Indicator | N = false, Y = true | R |
| 31 | TRI01 | 31 | CHEM_PROC | Character | 1 | 432 | 432 | 2 | 3.3 | Report\ChemicalActivitiesAnd Uses\ChemicalProcessingAid Indicator | N = false, Y = true | R |
| 32 | TRI01 | 32 | MNFG_AID | Character | 1 | 433 | 433 | 2 | 3.3 | Report\ChemicalActivitiesAnd Uses\ChemicalManufactureAid Indicator | N = false, Y = true | R |
| 33 | TRI01 | 33 | ANCILLARY | Character | 1 | 434 | 434 | 2 | 3.3 | Report\ChemicalActivitiesAnd Uses\ChemicalAncillaryUsage Indicator | N = false, Y = true | R |
| 34 | TRI01 | 34 | MAX_ONSITE | Character | 2 | 435 | 436 | 2 | 4.1 | Report\MaximumChemical AmountCode | | R |
| 35 | TRI01 | 35 | FAIR_REL | Character | 11 | 437 | 447 | 2 | 5.1 | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "AIR FUG" If "NA" then Report\OnsiteReleaseQuantity\OnsiteWasteQuantity\WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | | R |
| 36 | TRI01 | 36 | FAIR_BASIS | Character | 2 | 448 | 449 | 2 | 5.1 | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity QuantityBasisEstimationCode | | R |
| 37 | TRI01 | 37 | SAIR_REL | Character | 11 | 450 | 460 | 2 | 5.2 | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "AIR STACK" If "NA" then Report\OnsiteReleaseQuantity\OnsiteWasteQuantity\WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | | R |
| 38 | TRI01 | 38 | SAIR_BASIS | Character | 2 | 461 | 462 | 2 | 5.2 | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity QuantityBasisEstimationCode | | R |
| 39 | TRI01 | 39 | UI1_REL | Character | 11 | 463 | 473 | 2 | 5.4.1 | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "UININJ I" If "NA" then Report\OnsiteReleaseQuantity\OnsiteWasteQuantity\WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | | R |

| | | | | | | | | | | | |
|----|-------|----|-----------|-----------|----|-----|-----|---|---------|--|---|
| 40 | TRI01 | 40 | UI1_BASIS | Character | 2 | 474 | 475 | 2 | 5.4.1 | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity QuantityBasisEstimationCode | R |
| 41 | TRI01 | 41 | RCRA_REL | Character | 11 | 476 | 486 | 3 | 5.5.1.A | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "RCRA C" If "NA" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\ WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | R |
| 42 | TRI01 | 42 | RCRA_BAS | Character | 2 | 487 | 488 | 3 | 5.5.1.A | | |
| 43 | TRI01 | 43 | LND_REL | Character | 11 | 489 | 499 | 3 | 5.5.2 | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "LAND TREA" If "NA" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\ WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | R |
| 44 | TRI01 | 44 | LAND_BAS | Character | 2 | 500 | 501 | 3 | 5.5.2 | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity QuantityBasisEstimationCode | R |
| 45 | TRI01 | 45 | SRF_REL | Character | 11 | 502 | 512 | 3 | 5.5.3A | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "SI 5.5.3A" If "NA" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\ WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | R |
| 46 | TRI01 | 46 | SRF_BAS | Character | 2 | 513 | 514 | 3 | 5.5.3A | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity QuantityBasisEstimationCode | R |
| 47 | TRI01 | 47 | OTHR_REL | Character | 11 | 515 | 525 | 3 | 5.5.4 | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "OTH DISP" If "NA" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\ WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | R |
| 48 | TRI01 | 48 | OTHR_BAS | Character | 2 | 526 | 527 | 3 | 5.5.4 | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity QuantityBasisEstimationCode | R |
| 49 | TRI01 | 49 | POTW_REL | Character | 11 | 528 | 538 | 3 | 6.1.A.1 | If "NA" then Report\ POTWWasteQuantity\WasteQuantityNAIndicator If "A" or "B" or "C" then | R |

| | | | | | | | | | | | |
|-----|-------|----|------------|-----------|----|-----|-----|---|---------|---|---|
| | | | | | | | | | | Report\ POTWWasteQuantity \ WasteQuantityRangeCode Else Report\ POTWWasteQuantity \ WasteQuantityMeasure | |
| 50 | TRI01 | 50 | POTW_BAS | Character | 2 | 539 | 540 | 3 | 6.1.A.2 | Report\ POTWWasteQuantity \ QuantityBasisEstimationCode | R |
| *51 | TRI01 | 51 | QRELS_COLA | Character | 13 | 541 | 553 | 5 | 8.1a | Report\SourceReductionQuantity\OnsiteUICDisposalQuantity Set YearOffsetMeasure = -1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| *52 | TRI01 | 52 | QRELS_COLB | Character | 13 | 554 | 566 | 5 | 8.1a | Report\SourceReductionQuantity\OnsiteUICDisposalQuantity Set YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| *53 | TRI01 | 53 | QRELS_COLC | Character | 13 | 567 | 579 | 5 | 8.1a | Report\SourceReductionQuantity\OnsiteUICDisposalQuantity Set YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| *54 | TRI01 | 54 | QRELS_COLD | Character | 13 | 580 | 592 | 5 | 8.1a | Report\SourceReductionQuantity\OnsiteUICDisposalQuantity Set YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 55 | TRI01 | 55 | ONRCV_COLA | Character | 13 | 593 | 605 | 5 | 8.2 | Report\SourceReductionQuantity\OnsiteEnergyRecoveryQuantity YearOffsetMeasure = -1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 56 | TRI01 | 56 | ONRCV_COLB | Character | 13 | 606 | 618 | 5 | 8.2 | Report\SourceReductionQuantity\OnsiteEnergyRecoveryQuantity YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 57 | TRI01 | 57 | ONRCV_COLC | Character | 13 | 619 | 631 | 5 | 8.2 | Report\SourceReductionQuantity\OnsiteEnergyRecoveryQuantity YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 58 | TRI01 | 58 | ONRCV_COLD | Character | 13 | 632 | 644 | 5 | 8.2 | Report\SourceReductionQuantity\OnsiteEnergyRecoveryQuantity YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 59 | TRI01 | 59 | OFRCV_COLA | Character | 13 | 645 | 657 | 5 | 8.3 | Report\SourceReductionQuantity\OffsiteEnergyRecoveryQuantity YearOffsetMeasure = -1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 60 | TRI01 | 60 | OFRCV_COLB | Character | 13 | 658 | 670 | 5 | 8.3 | Report\SourceReductionQuantity\OffsiteEnergyRecoveryQuantity YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 61 | TRI01 | 61 | OFRCV_COLC | Character | 13 | 671 | 683 | 5 | 8.3 | Report\SourceReductionQuantity\OffsiteEnergyRecoveryQuantity YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 62 | TRI01 | 62 | OFRCV_COLD | Character | 13 | 684 | 696 | 5 | 8.3 | Report\SourceReductionQuantity\OffsiteEnergyRecoveryQuantity YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true | R |

| | | | | | | | | | | | |
|----|-------|----|------------|-----------|----|-----|-----|---|-----|---|---|
| | | | | | | | | | | Else \TotalQuantity | |
| 63 | TRI01 | 63 | ONRCY_COLA | Character | 13 | 697 | 709 | 5 | 8.4 | Report\SourceReductionQuantity\OnsiteRecycledQuantity YearOffsetMeasure = -1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 64 | TRI01 | 64 | ONRCY_COLB | Character | 13 | 710 | 722 | 5 | 8.4 | Report\SourceReductionQuantity\OnsiteRecycledQuantity YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 65 | TRI01 | 65 | ONRCY_COLC | Character | 13 | 723 | 735 | 5 | 8.4 | Report\SourceReductionQuantity\OnsiteRecycledQuantity YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 66 | TRI01 | 66 | ONRCY_COLD | Character | 13 | 737 | 748 | 5 | 8.4 | Report\SourceReductionQuantity\OnsiteRecycledQuantity YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 67 | TRI01 | 67 | OFRCY_COLA | Character | 13 | 749 | 761 | 5 | 8.5 | Report\SourceReductionQuantity\OffsiteRecycledQuantity YearOffsetMeasure = -1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 68 | TRI01 | 68 | OFRCY_COLB | Character | 13 | 762 | 774 | 5 | 8.5 | Report\SourceReductionQuantity\OffsiteRecycledQuantity YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 69 | TRI01 | 69 | OFRCY_COLC | Character | 13 | 775 | 787 | 5 | 8.5 | Report\SourceReductionQuantity\OffsiteRecycledQuantity YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 70 | TRI01 | 70 | OFRCY_COLD | Character | 13 | 788 | 800 | 5 | 8.5 | Report\SourceReductionQuantity\OffsiteRecycledQuantity YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 71 | TRI01 | 71 | ONTRT_COLA | Character | 13 | 801 | 813 | 5 | 8.6 | Report\SourceReductionQuantity\OnsiteTreatedQuantity YearOffsetMeasure = -1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 72 | TRI01 | 72 | ONTRT_COLB | Character | 13 | 814 | 826 | 5 | 8.6 | Report\SourceReductionQuantity\OnsiteTreatedQuantity YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 73 | TRI01 | 73 | ONTRT_COLC | Character | 13 | 827 | 839 | 5 | 8.6 | Report\SourceReductionQuantity\OnsiteTreatedQuantity YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 74 | TRI01 | 74 | ONTRT_COLD | Character | 13 | 840 | 852 | 5 | 8.6 | Report\SourceReductionQuantity\OnsiteTreatedQuantity YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 75 | TRI01 | 75 | OFTRT_COLA | Character | 13 | 853 | 865 | 5 | 8.7 | Report\SourceReductionQuantity\OffsiteTreatedQuantity YearOffsetMeasure = -1 | R |

| | | | | | | | | | | | |
|----|-------|----|------------|-----------|----|-----|-----|---|---------|---|---------------------------|
| | | | | | | | | | | If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | |
| 76 | TRI01 | 76 | OFTRT_COLB | Character | 13 | 866 | 878 | 5 | 8.7 | Report\SourceReductionQuantity\OffsiteTreatedQuantity YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 77 | TRI01 | 77 | OFTRT_COLC | Character | 13 | 879 | 891 | 5 | 8.7 | Report\SourceReductionQuantity\OffsiteTreatedQuantity YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 78 | TRI01 | 78 | OFTRT_COLD | Character | 13 | 892 | 904 | 5 | 8.7 | Report\SourceReductionQuantity\OffsiteTreatedQuantity YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| 79 | TRI01 | 79 | RELSE_ENVI | Character | 13 | 905 | 917 | 5 | 8.8 | If "NA" then Report\SourceReductionQty\OneTimeReleaseNAIndicator Else Report\SourceReductionQuantity\OneTimeReleaseQuantity | R |
| 80 | TRI01 | 80 | PROD_RATIO | Character | 9 | 918 | 926 | 5 | 8.9 | If "NA" then Report\SourceReductionQty\ProductionRatioNAIndicator Else Report\SourceReductionQuantity\ProductionRatioMeasure | R |
| 81 | TRI01 | 81 | ADD_INFO | Character | 1 | 927 | 927 | 5 | 8.11 | Report\SubmissionAdditionalData Indicator | N = false, Y = true R |
| 82 | TRI01 | 82 | REV_FLAG | Character | 1 | 928 | 928 | 1 | 1.1 | Report\RevisionIndicator | Leave N = N, Y = Y R/A |
| 83 | TRI01 | 83 | FED_FLAG | Character | 1 | 929 | 929 | 1 | 4.2c | If FED_FLAG = "F" Then Report\SubmissionFederalFacility Indicator = "Y" and Report\GOCOFacilityIndicator = false If FED_FLAG = "G" Then Report\SubmissionFederalFacility Indicator = "N" and Report\GOCOFacilityIndicator = true Else Report\SubmissionFederalFacility Indicator = "N" and Report\GOCOFacilityIndicator = false | R/A |
| 84 | TRI01 | 84 | CERT_LTR | Character | 1 | 930 | 930 | | | If CERT_LTR = "Y" then Report\ReportType\ReportTypeCode = "TRI_FORM_A" else Report\ReportType\ReportTypeCode = "TRI_FORM_R" | R/A |
| 85 | TRI01 | 85 | UI2_REL | Character | 11 | 931 | 941 | 2 | 5.4.2 | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "UININJ IIV" If "NA" then Report\OnsiteReleaseQuantity\OnsiteWasteQuantity\ WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | R |
| 86 | TRI01 | 86 | UI2_BASIS | Character | 2 | 942 | 943 | 2 | 5.4.2 | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity QuantityBasisEstimationCode | R |
| 87 | TRI01 | 87 | FILL_REL | Character | 11 | 944 | 954 | 3 | 5.5.1.B | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "OTH LANDF" | R |

| | | | | | | | | | | | |
|-----|-------|----|-----------------|-----------|-----|------|------|---|---------|---|---|
| | | | | | | | | | | If "NA" then Report\OnsiteReleaseQuantity\OnsiteWasteQuantity\WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | |
| 88 | TRI01 | 88 | FILL_BAS | Character | 2 | 955 | 956 | 3 | 5.5.1.B | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantityQuantityBasisEstimationCode | R |
| 89 | TRI01 | 89 | E_ADDRESS | Character | 100 | 957 | 1056 | 1 | 4.4 | | R |
| 90 | TRI01 | 90 | E_ADDRESS_TYP E | Character | 10 | 1057 | 1066 | 1 | 4.4 | N/A | R |
| *91 | TRI01 | 91 | OTHSRF_REL | Character | 11 | 1067 | 1077 | 3 | 5.5.3B | Set Report\OnsiteReleaseQuantity\EnvironmentalMediumCode to "SI 5.5.3B" If "NA" then Report\OnsiteReleaseQuantity\OnsiteWasteQuantity\WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | R |
| *92 | TRI01 | 92 | OTHSRF_BAS | Character | 2 | 1078 | 1079 | 3 | 5.5.3B | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantityQuantityBasisEstimationCode | R |
| *93 | TRI01 | 93 | QRON_COLA | Character | 13 | 1080 | 1092 | 5 | 8.1b | Report\SourceReductionQuantity\OnsiteOtherDisposalQuantity Set YearOffsetMeasure = -1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| *94 | TRI01 | 94 | QRON_COLB | Character | 13 | 1093 | 1105 | 5 | 8.1b | Report\SourceReductionQuantity\OnsiteOtherDisposalQuantity Set YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| *95 | TRI01 | 95 | QRON_COLC | Character | 13 | 1106 | 1118 | 5 | 8.1b | Report\SourceReductionQuantity\OnsiteOtherDisposalQuantity Set YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| *96 | TRI01 | 96 | QRON_COLD | Character | 13 | 1119 | 1131 | 5 | 8.1b | Report\SourceReductionQuantity\OnsiteOtherDisposalQuantity Set YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| *97 | TRI01 | 97 | QDOFF_COLA | Character | 13 | 1132 | 1144 | 5 | 8.1c | Report\SourceReductionQuantity\OffsiteUICDisposalQuantity Set YearOffsetMeasure = -1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R |
| *98 | TRI01 | 98 | QDOFF_COLB | Character | 13 | 114 | 115 | 5 | 8.1c | Report\SourceReductionQuantity\OffsiteUICDisposal | R |

| | | | | | | | | | | | | |
|------|-------|-----|------------------------|-----------|------|----------|----------|---|------|--|---|-----|
| | | | | | | 5 | 7 | | | Quantity Set YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | | |
| *99 | TRI01 | 99 | QDOFF_COLC | Character | 13 | 115 8 | 117 0 | 5 | 8.1c | Report\SourceReductionQuantity\OffsiteUICDisposal Quantity Set YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R | |
| *100 | TRI01 | 100 | QDOFF_COLD | Character | 13 | 117 1 | 118 3 | 5 | 8.1c | Report\SourceReductionQuantity\OffsiteUICDisposal Quantity Set YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R | |
| *101 | TRI01 | 101 | QROFF_COLA | Character | 13 | 118 4 | 119 6 | 5 | 8.1d | Report\SourceReductionQuantity\OffsiteOtherDisposal Quantity Set YearOffsetMeasure = -1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R | |
| *102 | TRI01 | 102 | QROFF_COLB | Character | 13 | 119 7 | 120 9 | 5 | 8.1d | Report\SourceReductionQuantity\OffsiteOtherDisposal Quantity Set YearOffsetMeasure = 0 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R | |
| *103 | TRI01 | 103 | QROFF_COLC | Character | 13 | 121 0 | 122 2 | 5 | 8.1d | Report\SourceReductionQuantity\OffsiteOtherDisposal Quantity Set YearOffsetMeasure = 1 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R | |
| *104 | TRI01 | 104 | QROFF_COLD | Character | 13 | 122 3 | 123 5 | 5 | 8.1d | Report\SourceReductionQuantity\OffsiteOtherDisposal Quantity Set YearOffsetMeasure = 2 If "NA" then TotalQuantityNAIndicator = true Else \TotalQuantity | R | |
| 105 | TRI01 | 105 | ADDITIONAL INFO_BOX | Character | 4000 | 123 6 | 523 5 | 5 | 8.11 | Report\OptionalInformationText | R | |
| 105 | TRI02 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 106 | TRI02 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | N/A | | |
| 107 | TRI02 | 3 | SIC_CODE | Character | 4 | 8 | 11 | 1 | 4.5 | Facility\FacilitySIC\SICCode | The first SIC code should be designat ed as PRIMAR Y in the TRI XML file | R/A |
| 108 | TRI03 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 109 | TRI03 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | N/A | | |
| 110 | TRI03 | 3 | DUN_NUMBER | Character | 9 | 8 | 16 | 1 | 4.7 | Facility\FacilityDunBtradstreetNumber | | R/A |

| | | | | | | | | | | | | |
|-----|-------|----|------------|-----------|----|-----|-----|---|---------|---|---|-----|
| 111 | TRI04 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 112 | TRI04 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | N/A | | |
| 113 | TRI04 | 3 | EPA_ID | Character | 12 | 8 | 19 | 1 | 4.8 | Facility\RCRAIdentificationNumber (Unused starting RY2005) | | R/A |
| 114 | TRI05 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 115 | TRI05 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | N/A | | |
| 116 | TRI05 | 3 | NPDES | Character | 10 | 8 | 17 | 1 | 4.9 | Facility\NPDESIdentificationNumber (Unused starting RY2005) | | R/A |
| 117 | TRI06 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 118 | TRI06 | 2 | STREAMCODE | Character | 4 | 3 | 6 | | 5.3. | N/A | | |
| 119 | TRI06 | 3 | STREAMNAME | Character | 70 | 7 | 76 | 2 | 5.3._ | Report\OnsiteReleaseQuantity\WaterStream\StreamName | | R |
| 120 | TRI07 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | Set POTWIndicator = true for each row in TRI07 | R |
| 121 | TRI07 | 2 | POTW_CODE | Character | 4 | 3 | 6 | | 6.1.B_ | Report\TransferLocation\TransferLocationSequenceNumber | | R |
| 122 | TRI07 | 3 | POTW_NAME1 | Character | 30 | 7 | 36 | 3 | 6.1.B._ | Report\TransferLocation\FacilitySiteName | * | R |
| 123 | TRI07 | 4 | POTW_NAME2 | Character | 30 | 37 | 66 | 3 | 6.1.B._ | Report\TransferLocation\FacilitySiteName | Concatenate with prior field | R |
| 124 | TRI07 | 5 | POTW_STRE1 | Character | 30 | 67 | 96 | 3 | 6.1.B._ | Report\TransferLocation\LocationAddress\ LocationAddressText | | R |
| 125 | TRI07 | 6 | POTW_STRE2 | Character | 30 | 97 | 126 | 3 | 6.1.B._ | Report\TransferLocation\LocationAddress\ LocationAddressText | Concatenate with prior field | R |
| 126 | TRI07 | 7 | POTW_CITY | Character | 25 | 127 | 151 | 3 | 6.1.B._ | Report\TransferLocation\LocationAddress\LocalityName | | R |
| 127 | TRI07 | 8 | POTW_COUNT | Character | 25 | 152 | 176 | 3 | 6.1.B._ | Report\TransferLocation\LocationAddress\CountyIdentity \CountyName | | R |
| 128 | TRI07 | 9 | POTW_STATE | Character | 2 | 177 | 178 | 3 | 6.1.B._ | Report\TransferLocation\LocationAddress\StateIdentity \StateName | | R |
| 129 | TRI07 | 10 | POTW_ZIP | Character | 9 | 179 | 187 | 3 | 6.1.B._ | Report\TransferLocation\LocationAddress\AddressPostal Code | | R |
| 130 | TRI08 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | Set POTWIndicator = false for each row in TRI08 | R |
| 131 | TRI08 | 2 | OFFSTE_COD | Character | 4 | 3 | 6 | 3 | 6.2._ | Report\TransferLocation\TransferLocationSequenceNumber | | R |
| 132 | TRI08 | 3 | RCRA_ID | Character | 12 | 7 | 18 | 3 | 6.2._ | Report\TransferLocation\RCRAIdentificationNumber | | R |
| 133 | TRI08 | 4 | OFF_NAME1 | Character | 30 | 19 | 48 | 3 | 6.2._ | Report\TransferLocation\FacilitySiteName | | R |
| 134 | TRI08 | 5 | OFF_NAME2 | Character | 30 | 49 | 78 | 3 | 6.2._ | Report\TransferLocation\FacilitySiteName | Concatenate with prior field | R |
| 135 | TRI08 | 6 | OFF_STRET1 | Character | 30 | 79 | 108 | 3 | 6.2._ | Report\TransferLocation\LocationAddress\ LocationAddressText | | R |
| 136 | TRI08 | 7 | OFF_STRET2 | Character | 30 | 109 | 138 | 3 | 6.2._ | Report\TransferLocation\LocationAddress\ LocationAddressText | Concatenate with prior field | R |

| | | | | | | | | | | | | |
|-----|-------|----|----------------------|-----------|----|-----|-----|---|---------|---|-----------------|---|
| 137 | TRI08 | 8 | OFF_CITY | Character | 25 | 139 | 163 | 3 | 6.2._ | Report\TransferLocation\LocationAddress\LocalityName | | R |
| 138 | TRI08 | 9 | OFF_COUNTY | Character | 25 | 164 | 188 | 3 | 6.2._ | Report\TransferLocation\LocationAddress\CountyIdentity \CountyName | | R |
| 139 | TRI08 | 10 | OFF_STATE | Character | 2 | 189 | 190 | 3 | 6.2._ | Report\TransferLocation\LocationAddress\StateIdentity \StateName | | R |
| 140 | TRI08 | 11 | OFF_ZIP | Character | 14 | 191 | 204 | 3 | 6.2._ | Report\TransferLocation\LocationAddress\AddressPostal Code | | R |
| 141 | TRI08 | 12 | OFF_CNTRL | Character | 2 | 205 | 206 | 3 | 6.2._ | Report\TransferLocation\ControlledLocationIndicator | Y = true | R |
| 142 | TRI08 | 13 | OFF_COUNTRY | Character | 2 | 207 | 208 | 3 | 6.2._ | Report\TransferLocation\LocationAddress CountryIdentity\CountryName | | R |
| 143 | TRI08 | 14 | OFF_PROVINCE | Character | 25 | 209 | 233 | 3 | 6.2._ | If Not Null then Report\TransferLocation\LocationAddress\StateIdentity \StateName | | R |
| 144 | TRI08 | 15 | OFF_COUNTRY_N AME | Character | 44 | 234 | 277 | 3 | 6.2._ | Report\TransferLocation\LocationAddress \CountryIdentity\CountryName | | R |
| 145 | TRI09 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | * Each row in TRI09 maps to one WaterStream element | | R |
| 146 | TRI09 | 2 | REPORT_NUM | Character | 5 | 3 | | | | N/A | | |
| 147 | TRI09 | 3 | STREAMCODE | Character | 4 | 8 | 11 | | | N/A | | |
| 148 | TRI09 | 4 | STREAM_REL | Character | 11 | 12 | 22 | 2 | 5.3._ | Report\OnsiteReleaseQuantity\EnvironmentalMediumCode = "WATER" If "NA" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\ WasteQuantityNAIndicator If "A" or "B" or "C" then Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityRangeCode Else Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity\WasteQuantityMeasure | | R |
| 149 | TRI09 | 5 | STREAM_BAS | Character | 2 | 23 | 24 | 2 | 5.3._ | Report\OnsiteReleaseQuantity\ OnsiteWasteQuantity QuantityBasisEstimationCode | | R |
| 150 | TRI09 | 6 | STORM_PCT | Character | 5 | 25 | 29 | 2 | 5.3._ | If = "NA" Then Report\OnsiteReleaseQuantity\ WaterStream \ReleaseStormWaterNA Indicator = true Else Report\OnsiteReleaseQuantity\ WaterStream \ReleaseStormWaterPercent | | R |
| 151 | TRI10 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | | | |
| 152 | TRI10 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | | | |
| 153 | TRI10 | 3 | SITRCVMTD | Character | 3 | 8 | 10 | 5 | 7B | If "NA" Report\OnsiteRecoveryProcess\EnergyRecoveryNAIndicator Else If empty then do not populate Else If numeric Report\OnsiteRecoveryProcess\EnergyRecoveryMethodCode | | R |
| 154 | TRI11 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 155 | TRI11 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | N/A | | |
| 156 | TRI11 | 3 | POTW_CODE | Character | 4 | 8 | 11 | 3 | 6.1.B._ | N/A | | |
| 157 | TRI12 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 158 | TRI12 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | N/A | | |
| 159 | TRI12 | 3 | OFFSTE_COD | Character | 4 | 8 | 11 | | 6.2._ | N/A | | |
| 160 | TRI12 | 4 | OFFSTE_REL | Character | 11 | 12 | 22 | 4 | 6.2._ | IF "NA" Then Report\TransferLocation\TransferQuantity \TransferQuantityNAIndicator = true IF "A" or "B" of "C" then Report\TransferLocation\TransferQuantity\ TransferRangeCode | | R |

| | | | | | | | | | | | | |
|-----|-------|----|------------|-----------|---|----|----|---|-------|---|----|---|
| | | | | | | | | | | Else (decimal) Report\TransferLocation\TransferQuantity\TotalTransfer Quantity | | |
| 161 | TRI12 | 5 | OFFSTE_BAS | Character | 2 | 23 | 24 | 4 | 6.2._ | If "NA" Then Report\TransferLocation\TransferQuantity \TransferBasisEstimationNAIndicator = true Else Report\TransferLocation\TransferQuantity \TransferBasisEstimationCode | | R |
| 162 | TRI12 | 6 | OFFSTE_TRE | Character | 3 | 25 | 27 | 4 | 6.2._ | Report\TransferLocation\TransferQuantity \WasteManagementTypeCode | | R |
| 163 | TRI13 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | | | |
| 164 | TRI13 | 2 | REPORT_NUM | Character | 5 | 3 | | | | | | |
| 165 | TRI13 | 3 | WTME_STREM | Character | 2 | 8 | 9 | 4 | 7A._a | Report\WasteTreatmentDetails\WasteStreamTypeCode | | R |
| 166 | TRI13 | 4 | WTME_TRET1 | Character | 4 | 10 | 13 | 4 | 7A._b | Set Report\WasteTreatmentDetails\WasteTreatmentMethod\ WasteTreatmentSequenceNumber = 1 Set value into Report\WasteTreatmentDetails\WasteTreatmentMethod WasteTreatmentMethodCode | *A | R |
| 167 | TRI13 | 5 | WTME_TRET2 | Character | 4 | 14 | 17 | 4 | 7A._b | Set Report\WasteTreatmentDetails\WasteTreatmentMethod\ WasteTreatmentSequenceNumber = 2 Set value into Report\WasteTreatmentDetails\WasteTreatmentMethod WasteTreatmentMethodCode | *A | R |
| 168 | TRI13 | 6 | WTME_TRET3 | Character | 4 | 18 | 21 | 4 | 7A._b | Set Report\WasteTreatmentDetails\WasteTreatmentMethod\ WasteTreatmentSequenceNumber = 3 Set value into Report\WasteTreatmentDetails\WasteTreatmentMethod WasteTreatmentMethodCode | *A | R |
| 169 | TRI13 | 7 | WTME_TRET4 | Character | 4 | 22 | 25 | 4 | 7A._b | Set Report\WasteTreatmentDetails\WasteTreatmentMethod\ WasteTreatmentSequenceNumber = 4 Set value into Report\WasteTreatmentDetails\WasteTreatmentMethod WasteTreatmentMethodCode | *A | R |
| 170 | TRI13 | 8 | WTME_TRET5 | Character | 4 | 26 | 29 | 4 | 7A._b | Set Report\WasteTreatmentDetails\WasteTreatmentMethod\ WasteTreatmentSequenceNumber = 5 Set value into Report\WasteTreatmentDetails\WasteTreatmentMethod WasteTreatmentMethodCode | *A | R |
| 171 | TRI13 | 9 | WTME_TRET6 | Character | 4 | 30 | 33 | 4 | 7A._b | Set Report\WasteTreatmentDetails\WasteTreatmentMethod\ WasteTreatmentSequenceNumber = 6 Set value into Report\WasteTreatmentDetails\WasteTreatmentMethod WasteTreatmentMethodCode | *A | R |
| 172 | TRI13 | 10 | WTME_TRET7 | Character | 4 | 34 | 37 | 4 | 7A._b | Set Report\WasteTreatmentDetails\WasteTreatmentMethod\ WasteTreatmentSequenceNumber = 7 Set value into Report\WasteTreatmentDetails\WasteTreatmentMethod WasteTreatmentMethodCode | *A | R |
| 173 | TRI13 | 11 | WTME_TRET8 | Character | 3 | 38 | 41 | 4 | 7A._b | Set Report\WasteTreatmentDetails\WasteTreatmentMethod\ WasteTreatmentSequenceNumber = 8 Set value into | *A | R |

| | | | | | | | | | | | | |
|-----|-------|----|------------|-----------|----|-----|-----|---|-------|---|--|-----|
| | | | | | | | | | | Report\WasteTreatmentDetails\WasteTreatmentMethod WasteTreatmentMethodCode | | |
| 174 | TRI13 | 12 | WTME_INFLU | Character | 2 | 42 | 43 | 4 | 7A._c | Report\WasteTreatmentDetails\InfluentConcentrationRange Code | When value is either 01, 02, 03, 04 or 05, that indicates that the waste stream row is done. Unused starting RY 2005 | R |
| 175 | TRI13 | 13 | WTME_EFFIC | Character | 5 | 44 | 48 | 4 | 7A._d | For Reporting year 2004: If "NA" Then Report\WasteTreatmentDetails\TreatmentEfficiency NAIndicator = true Else (numeric) Report\WasteTreatmentDetails\TreatmentEfficiency EstimatePercent Starting in Reporting year 2005: If "NA" Then Report\WasteTreatmentDetails\TreatmentEfficiency NAIndicator = true Else (character data) Report\WasteTreatmentDetails\TreatmentEfficiencyRangeCode | | R |
| 176 | TRI13 | 14 | WTME_DATA | Character | 1 | 49 | 49 | 4 | 7A._e | Report\WasteTreatmentDetails\OperatingDataIndicator | Y = true Unused starting RY 2005 | R |
| 177 | TRI14 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | | | |
| 178 | TRI14 | 2 | FAC_SEQNUM | Character | 4 | 3 | 6 | | | N/A | | |
| 179 | TRI14 | 3 | F_ID | Character | 15 | 7 | 21 | 1 | 4.1 | Facility\FacilityIdentifier Set FacilitySiteIdentifierContext attribute to TRI-ME | | R/A |
| 180 | TRI14 | 4 | FAC_NAME1 | Character | 30 | 22 | 51 | 1 | 4.1 | Facility\FacilitySiteName | | R/A |
| 181 | TRI14 | 5 | FAC_NAME2 | Character | 30 | 52 | 81 | 1 | 4.1 | Facility\FacilitySiteName | Concatenate with prior field | R/A |
| 182 | TRI14 | 6 | FAC_STRT1 | Character | 30 | 82 | 111 | 1 | 4.1 | Facility\LocationAddress\LocationAddressText | | R/A |
| 183 | TRI14 | 7 | FAC_STRT2 | Character | 30 | 112 | 141 | 1 | 4.1 | Facility\LocationAddress\SupplementalLocationText | | R/A |
| 184 | TRI14 | 8 | FAC_CITY | Character | 25 | 142 | 166 | 1 | 4.1 | Facility\LocationAddress\LocalityName | | R/A |
| 185 | TRI14 | 9 | FAC_CNTY | Character | 25 | 167 | 191 | 1 | 4.1 | Facility\LocationAddress\CountyIdentity\CountyName | | R/A |
| 186 | TRI14 | 10 | FAC_STATE | Character | 2 | 192 | 193 | 1 | 4.1 | Facility\LocationAddress\StateIdentity\StateCode | | R/A |
| 187 | TRI14 | 11 | FAC_ZIP | Character | 9 | 194 | 202 | 1 | 4. | Facility\LocationAddress\AddressPostalCode | | R/A |

| | | | | | | | | | | | | |
|-----|-----------|----|-----------------------|-----------|----|-----|-----|---|--------|--|---|-----|
| 188 | TRI14 | 12 | FAC_LAT | Character | 7 | 203 | 209 | 1 | 4.6 | Facility\GeographicLocationDescription\LatitudeDegreeMeasure And Facility\GeographicLocationDescription\LatitudeMinuteMeasure And Facility\GeographicLocationDescription\LatitudeSecondMeasure | Parse on format DDDMM SS Unused starting RY 2005 | R/A |
| 189 | TRI14 | 13 | FAC_LONG | Character | 7 | 210 | 216 | 1 | 4.6 | Facility\GeographicLocationDescription\LatitudeDegreeMeasure And Facility\GeographicLocationDescription\LatitudeMinuteMeasure And Facility\GeographicLocationDescription\LatitudeSecondMeasure | Parse on format DDDMM SS Unused starting RY 2005 | R/A |
| 190 | TRI14 | 14 | PAR_CO_NAM | Character | 45 | 217 | 261 | 1 | 5.1 | Facility\ParentCompanyNameText | | R/A |
| 191 | TRI14 | 15 | PAR_CO_DUN | Character | 9 | 262 | 270 | 1 | 5.2 | Facility\ParentDunBradstreet | | R/A |
| 192 | TRI14 | 16 | MAIL_STR1 | Character | 30 | 271 | 300 | 1 | 4.1 | Facility\MailingAddress\MailingAddressText | | R/A |
| 193 | TRI14 | 17 | MAIL_STR2 | Character | 30 | 301 | 330 | 1 | 4.1 | Facility\MailingAddress\SupplementalAddressText | | R/A |
| 194 | TRI14 | 18 | MAIL_CITY | Character | 25 | 331 | 355 | 1 | 4.1 | Facility\MailingAddress\MailingAddressCityName | | R/A |
| 195 | TRI14 | 19 | MAIL_STATE | Character | 2 | 356 | 357 | 1 | 4.1 | Facility\MailingAddress\StateIdentity\StateCode | | R/A |
| 196 | TRI14 | 20 | MAIL_ZIP | Character | 14 | 358 | 371 | 1 | 4.1 | Facility\MailingAddress\AddressPostalCode | | R/A |
| 197 | TRI14 | 21 | MAIL_NAME | Character | 60 | 372 | 431 | 1 | 4.1 | Facility\MailingFacilitySiteName | | R/A |
| 198 | TRI14 | 22 | MAIL_COUNTRY | Character | 2 | 432 | 433 | 1 | 4.1 | Facility\MailingAddress\CountryIdentity\CountryCode | | R/A |
| 199 | TRI14 | 23 | MAIL_PROVINCE | Character | 25 | 434 | 458 | 1 | 4.1 | Facility\MailingAddress\ProvinceNameText | | R/A |
| 200 | TRI14 | 24 | MAIL_COUNTRY_ NAME | Character | 44 | 459 | 502 | 1 | 4.1 | Facility\MailingAddress\CountryIdentity\CountryName | | R/A |
| 201 | TRI15 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | | | |
| 202 | TRI15 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | | | |
| 203 | TRI15 | 3 | SRCE_REDU | Character | 3 | 8 | 10 | 5 | 8.10._ | Report\SourceReductionActivity\SourceReductionActivityCode | | R |
| 204 | TRI15 | 4 | MTHDS_ID1 | Character | 3 | 11 | 13 | 5 | 8.10._ | Report\SourceReductionActivity\SourceReductionMethodCode | | R |
| 205 | TRI15 | 5 | MTHDS_ID2 | Character | 3 | 14 | 16 | 5 | 8.10._ | Report\SourceReductionActivity\SourceReductionMethodCode | | R |
| 206 | TRI15 | 6 | MTHDS_ID3 | Character | 3 | 17 | 19 | 5 | 8.10._ | Report\SourceReductionActivity\SourceReductionMethodCode | | R |
| 207 | TRI16 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | | | |
| 208 | TRI16 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | | | |
| 209 | TRI16 | 3 | SITRCVMTHD | Character | 3 | 8 | 10 | 5 | 7C | If SITRCVMTHD = "NA" then Report\OnsiteRecyclingProcess\OnsiteRecyclingNAIndicator Else for each row in TRI16 for the current report: Report\OnsiteRecyclingProcess\OnsiteRecyclingMethodCode | | R |
| 210 | TRIT R | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 211 | TRIT R | 2 | NUM_FACLT | Character | 5 | 3 | 7 | | | N/A | | |
| 212 | TRIT R | 3 | NUM_SUBM | Character | 5 | 8 | 12 | | | N/A | | |
| 213 | TRIT R | 4 | REPORT_YR | Character | 4 | 13 | 16 | | | N/A | | |
| 214 | TRIT R | 5 | VENDOR | Character | 45 | 17 | 61 | | | N/A | | |
| 215 | TRIT R | 6 | SW_NAME | Character | 45 | 62 | 106 | | | N/A | | |
| 216 | TRIT | 7 | VERSION | Character | 20 | 107 | 126 | | | N/A | | |

| | | | | | | | | | | | | |
|-----|-----------|----|------------|-----------|----|-----|-----|---|-----|---|--|---|
| | R | | | | | | | | | | | |
| 217 | TRIT R | 8 | V_CONTACT | Character | 30 | 127 | 156 | | | N/A | | |
| 218 | TRIT R | 9 | V_PHNUM | Character | 15 | 157 | 171 | | | N/A | | |
| 219 | TRIT R | 10 | V_EMAIL | Character | 70 | 172 | 241 | | | N/A | | |
| 220 | TRI17 | 1 | REC_TYPE | Character | 2 | 1 | 2 | | | N/A | | |
| 221 | TRI17 | 2 | REPORT_NUM | Character | 5 | 3 | 7 | | | N/A | | |
| 222 | TRI17 | 3 | NA | Character | 1 | 8 | 8 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistributionNAIndicator | | R |
| 223 | TRI17 | 4 | PCT1 | Character | 5 | 9 | 13 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution1Percent | | R |
| 224 | TRI17 | 5 | PCT2 | Character | 5 | 14 | 18 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution2Percent | | R |
| 225 | TRI17 | 6 | PCT3 | Character | 5 | 19 | 23 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution3Percent | | R |
| 226 | TRI17 | 7 | PCT4 | Character | 5 | 24 | 28 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution4Percent | | R |
| 227 | TRI17 | 8 | PCT5 | Character | 5 | 29 | 33 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution5Percent | | R |
| 228 | TRI17 | 9 | PCT6 | Character | 5 | 34 | 38 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution6Percent | | R |
| 229 | TRI17 | 10 | PCT7 | Character | 5 | 39 | 43 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution7Percent | | R |
| 230 | TRI17 | 11 | PCT8 | Character | 5 | 44 | 48 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution8Percent | | R |
| 231 | TRI17 | 12 | PCT9 | Character | 5 | 49 | 53 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution9Percent | | R |
| 232 | TRI17 | 13 | PCT10 | Character | 5 | 54 | 58 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution10Percent | | R |
| 233 | TRI17 | 14 | PCT11 | Character | 5 | 59 | 63 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution11Percent | | R |
| 234 | TRI17 | 15 | PCT12 | Character | 5 | 64 | 68 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution12Percent | | R |
| 235 | TRI17 | 16 | PCT13 | Character | 5 | 69 | 73 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution13Percent | | R |
| 236 | TRI17 | 17 | PCT14 | Character | 5 | 74 | 78 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution14Percent | | R |
| 237 | TRI17 | 18 | PCT15 | Character | 5 | 79 | 83 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution15Percent | | R |
| 238 | TRI17 | 19 | PCT16 | Character | 5 | 84 | 88 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution16Percent | | R |
| 239 | TRI17 | 20 | PCT17 | Character | 5 | 89 | 93 | 2 | 1.4 | Report\ChemicalIdentification\DioxinDistribution17Percent | | R |

*A – The TRI-ME reporting software allows a reporter to enter more than eight Waste Treatment Method Sequence codes in section 7A._b, however the flat file format only contains eight adjacent fields to store this data. If more than eight Method codes are entered, a second row is created for the same waste stream and Method code #9 is inserted into WTME_TRET1 and so on. The last row for a given waste stream is identified by having a valid range code in **WTME_EFFIC** field. Rows in TRI13 which roll over to a following row will have nothing entered in the **WTME_EFFIC** field. The last row in file TRI13 will have a value entered in WTME_EFFIC for the given report/waste stream code.