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**RCRAINFO  
TRANSLATOR GUIDE  
VERSION 4**



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## 1. INTRODUCTION

RCRAInfo is a national system and database which the Environmental Protection Agency (EPA) and States<sup>1</sup> use to record and track information provided by the regulated community concerning the generation, shipment, treatment, and disposal of hazardous wastes, as well as significant milestones of State/EPA activity supporting program planning, implementation, and accomplishments reporting. While RCRAInfo provides a data entry mechanism to enter data into the RCRAInfo database, States and EPA Regions have the option to use their own software and procedures to collect and track RCRAInfo data and to provide that data to RCRAInfo in electronic format.

There are three methods by which Regions and States can submit data to RCRAInfo via an electronic format: 1) flat files submitted via the Central Data Exchange; 2) XML files submitted via the Central data Exchange; and 3) XML files transferred via node-to-node. This document describes the flat file specifications which are submitted via the Central Data Exchange only. OSW is currently updating the XML schema to conform to the V4 data structure. This schema must be approved by the Office of Environmental Information (OEI) and ECOS before it can be made available to RCRAInfo users. Additional information regarding node-to-node submissions can be found at <http://exchangenetwork.net/node/index.htm>.

This guide is not for use in developing flat files for implementers' Biennial Hazardous Waste Report submissions. The file specifications for Biennial Hazardous Waste Report submissions can be found at <http://www.epa.gov/epaoswer/hazwaste/data/biennialreport/index.htm>.

### 1.1 Overview of Document

The RCRAInfo Translator Guide - Version 4 document is divided into seven sections:

Section 1 (Introduction) defines the intended audience for this guide and describes the general purpose and outline of this document.

Section 2 (Data Submission Overview) describes the overall characteristics for a data submission.

Section 3 (Technical Specifications) discusses the technical details of the data files and programs necessary for data submission.

Section 4 (Generic Edits) discusses the data standards used for each data submission.

Section 5 (CDX File Transfer) discusses the method of submitting a flat file load via the RCRA Central Data Exchange (CDX) application.

Section 6 (Version 4 Data Submissions) discusses issues specific to Version 4.

Section 7 (Submission and Status Report Instructions) gives step-by-step instructions and discusses information provided in the status report.

Several appendices are included with this document. These appendices provide background material as well as detailed technical information necessary to properly prepare file submissions.

<sup>1</sup>The term "State" includes the District of Columbia, Puerto Rico, Guam, American Samoa, the Navajo Nation, the Trust Territories, and the Virgin Islands, in addition to the 50 United States.

## **1.2 Intended Audience**

The intended audience for this guide is any State or EPA Region that is using its own software and procedures to extract RCRA hazardous waste data for any or all of the RCRAInfo subject areas (Handler Identification, Permitting, Corrective Action, Compliance Monitoring and Enforcement, Financial Assurance, or GIS) from a State or Regional system for submission to EPA Headquarters (HQ) for inclusion in the RCRAInfo database. These States or Regions are called translators and are referred to as such throughout this document. This document was written assuming the reader 1) is familiar with the RCRAInfo database and 2) understands basic computer concepts and terminology.

## **1.3 Data Files**

Translators submit RCRAInfo data to EPA HQ via a series of flat files or node-to-node connection submissions. The structure and relationships of these flat files are detailed in this document. Oracle to Oracle data transfers are not supported.

The remainder of this document describes in detail the files necessary to ensure a successful data submission, including the types of files that must be included with each submission and technical aspects of the file creation process.

## **1.4 Questions/Comments**

Questions about this document should be directed to the RCRAInfo team via the USITS utility in RCRAInfo. Questions submitted must only concern the file specification for submission of data from the States or EPA Regions to the RCRAInfo database. Questions on submissions of data by individual sites should be directed to appropriate State or EPA Regional personnel.

## 2. DATA SUBMISSION OVERVIEW

### 2.1 Roles and Responsibilities

The following section details the roles and responsibilities needed to ensure successful translation into the RCRAInfo database.

#### State/Region Roles and Responsibilities

The RCRAInfo translation process contains several steps that must all be successfully implemented to complete the process. These steps include: 1) producing the flat files, 2) uploading the flat files to the EPA server, 3) loading the files into RCRAInfo, 4) monitoring the load process, and 5) correcting load errors. The responsibilities for these steps may be shared by the State and Region. It is very important to assign responsibilities for each of these steps to ensure successful translation and to avoid miscommunications that could lead to the loading of erroneous data into the RCRAInfo database.

Implementer of Record (IOR) is the term used to describe the agency (EPA or State) responsible for data entry and management of RCRAInfo handler identification and program activity data. Data entry and management responsibility does not equate to programmatic responsibility. The States and Regions are responsible for determining data ownership areas and accurately reflecting these agreements in RCRAInfo.

Although all implementer data in RCRAInfo resides in the same physical database, each implementer owns and controls access to its data. Security functions implemented at both the database and application levels prevent unauthorized users from changing data.

There are two types of IOR in RCRAInfo: fixed and variable. Fixed IOR is implemented for data in which one agency (State or Region) is wholly responsible. Variable IOR is implemented for data in which the responsibilities vary depending on the values of specific data elements. The RCRAInfo On-Line Help utility provides subject-area specific implementer of record documentation.

The RCRAInfo Translator Flat File Load utility software enforces IOR security settings. Data that is not owned by the implementer submitting the translator files will not be loaded. Ownership is derived from the User ID of the implementer submitting the translator load and will be used to match each data record in the load against the database IOR settings.

#### Implementer Roles and Responsibilities

The translator data must provide an accurate representation of hazardous waste tracking and activity for that State. In addition, the translator's data must pass a minimum set of data edits in order to provide information comparable to data entered via the RCRAInfo online application to be properly loaded into the RCRAInfo database. Data failing to conform to the appropriate data quality edits will result in the rejection of the record and will cause the entire load to fail.

After creating your flat files, you must upload your files via EPA's Central Data Exchange. For more details, see Section 5.0 – CDX File Transfer.

## **EPA Headquarters Roles and Responsibilities**

Structural changes to RCRAInfo will be limited to once per year to ease burden on translator Regions and States. EPA Headquarters is responsible for providing flat file specifications and the load software when structural changes occur.

## **EPA Region Roles and Responsibilities**

Regardless of how the roles and responsibilities for the step-by-step translator process are assigned between the State and the Region, it is the Region's responsibility to ensure that regular updates of their States data are successfully loaded into RCRAInfo. Currently, updates are required at a minimum frequency of once a month (or more frequently if desired by the State and Region). Monthly updates should be complete in the first two weeks of the month.

## **2.2 RCRAInfo Load Processing**

The translator must include a "control" file with all RCRAInfo data submissions. The specifications for this file are included in the flat file specifications. The control file records contain information describing the flat files being submitted. One control file record is created for each submitted flat file. Flat files should be submitted only if they contain one or more data records. The control file should contain information **only** on flat files submitted. If a flat file is not submitted, no information for the file should be placed in the control file.

## **2.3 Full Replacement Indicator**

The control file contains a field called "Full\_Replacement\_Indicator." This field controls by which of the three (3) methods the RCRAInfo data will be submitted: 1) Full-replacement method; 2) Partial-replacement method; or 3) Transaction method. Details on each method are given below.

### **Full-Replacement Method**

The full-replacement method deletes **all** data (including child records) in RCRAInfo for the table designated by the flat file and replaces it with the data in the current submission. *Note: If a Handler currently resides in RCRAInfo, at least one record in HHANDLER4 must remain for the home state. Therefore, if the full-replacement file does not contain a handler that previously existed in RCRAInfo, the most recent HHANDLER4 record and its associated child records will NOT be deleted for this handler, however, all other handler data for this handler will be deleted.*

The full-replacement method includes cascading deletes, meaning that RCRAInfo data will be deleted for the table specified and child records of that table. If a child record is linked to more than one parent record and all of the parent records are marked for deletion, the child record will also be deleted. If a child record is linked to more than one parent record but not all of the parent records are marked for deletion, the child record will NOT be deleted but the link between the child and the deleted parent will be removed.

If the translator uses the full-replacement method for file PM1, for example, all P SERIES4 data will be deleted for that state, as well as all PEVENT4 data and PLN\_EVENT\_UNIT\_DETAIL4 that is linked exclusively to the P SERIES4 data to be deleted. Therefore, the translator's submission must also include data for the PEVENT4 and PLN\_EVENT\_UNIT\_DETAIL4 data to "replace" the data that was deleted.

The following table (Exhibit 1) indicates the tables that will be affected during a full replacement operation, and the respective flat files that need to be provided to replace the deleted data.

<b>Full Replacement Submitted at:</b>	<b>Parent Table Deleted</b>	<b>Child Tables Affected (and corresponding flat files which must be provided to replace the deleted data)</b>
HD2	HHANDLER4	HOWNER_OPERATOR2 (HD3) HNAICS (HD4) HOTHER_PERMIT2 (HD5) HWASTE_CODE (HD6) HUNIVERSAL_WASTE (HD7) HCERTIFICATION (HD8) HSTATE_ACTIVITY (HD9)
PM1	P SERIES4	PEVENT4 (PM2) PLN_EVENT_UNIT_DETAIL4 (PM5) PLN_EVENT_COMMITMENT4 (PM7)
PM2	PEVENT4	PLN_EVENT_UNIT_DETAIL4 (PM5) PLN_EVENT_COMMITMENT4 (PM7)
PM3	PUNIT4	PUNIT_DETAIL4 (PM4) PLN_EVENT_UNIT_DETAIL4 (PM5) PLN_UNIT_DETAIL_WASTE4 (PM6) ALN_AREA_UNIT4 (CA8)
PM4	PUNIT_DETAIL4	PLN_EVENT_UNIT_DETAIL4 (PM5) PLN_UNIT_DETAIL_WASTE4 (PM6)
CA1	AAREA4	ALN_AREA_EVENT4 (CA5) ALN_AREA_UNIT4 (CA8)
CA2	AAUTHORITY4	ALN_AUTHORITY_CITATION4 (CA3) ALN_EVENT_AUTHORITY4 (CA6)
CA4	AEVENT4	ALN_AREA_EVENT4 (CA5) ALN_EVENT_AUTHORITY4 (CA6) ALN_EVENT_COMMITMENT4 (CA7)
CE1	CEVALUATION3	CLN_EVALUATION_COMMITMENT3 (CE3) CVIOLATION3 (CE4) CLN_EVALUATION_VIOLATION3 (CE5) CCITATION3 (CE6)
CE4	CVIOLATION3	CLN_EVALUATION_VIOLATION3 (CE5) CCITATION3 (CE6) CLN_VIOLATION_ENFORCEMENT3 (CE9)
CE8	CENFORCEMENT3	CLN_VIOLATION_ENFORCEMENT3 (CE9) CMEDIA3 (CEA) CSEP3 (CEB) CSNY_DATE3 (CEC) CMILESTONE3 (CED) CPENALTY3 (CEE) CPAYMENT3 (CEF)

Full Replacement Submitted at:	Parent Table Deleted	Child Tables Affected (and corresponding flat files which must be provided to replace the deleted data)
FA1	FCOST_ESTIMATE4	FMECHANISM4 (FA2) FMECHANISM_DETAIL4 (FA3) FLN_COST_MECHANISM_DETAIL4 (FA4)
GS1	GIS4	GIS_LAT_LONG4 (GS2)

**Exhibit 1. Tables Affected by Full Replacement**

### Partial-Replacement Method

The partial-replacement method is similar to the full-replacement method in that data is deleted from both parent and child tables, however, with the partial-replacement method, only the data associated with that handler is deleted. The replacement files should contain the data to “replace” the information for that handler. This method is often used by translators whose proprietary system does not track sequence numbers.

### Transaction Method

The transaction method does NOT delete all data in RCRAInfo prior to processing. Rather, the transaction method processes in a transactional manner. However, delete transactions are cascading and the implications should be understood before processing delete transactions.

Specific to the CM&E module, cascading deletes are not allowed for transactional processing if an enforcement action is linked to a violation. For example, if Evaluation “A” is marked for deletion then Violation “B” which is linked to Evaluation “A” will only be deleted if Violation “B” does not have any linked enforcement actions. If Violation “B” has linked enforcement actions, the enforcement actions must be deleted prior to the deletion of the violation (or cascading evaluation).

Translators should **fully** understand the concepts and consequences of the replacement and transaction methods before submitting data files to RCRAInfo. A single submission must be all of the same method (i.e., either all full replace, all partial replace, or all transaction method). The exception to this rule is HD1 (HBASIC) which can never be loaded as a full replace. Additionally, only one module can be submitted in a single submission (i.e., a submission cannot contain files for the Permit module and the Corrective Action module). The CTL (control file) and at least one other flat file must be provided with every submission.

The load software will **NOT** allow implementers to delete data (either by replacement or transaction method) that the implementer does not own or for which there are other programmatic issues that prevent the data from being deleted (i.e., other implementers having data linked to the data marked for deletion).

## 2.4 Transaction Code

The translator can specify one of two transaction types for each record: 1) A (Add/Update) or 2) D (Delete). The transaction type field is provided for files that are using the transaction method for data processing.

The *Add/Update* transaction will add a record to the RCRAInfo database if the primary key values do not currently exist in the database. If the primary key values do currently exist, the non-key values will be

updated with the values in the submission. For add/update transactions, the translator must provide all required data associated with the record.

The *Delete* transaction will delete the parent record and all child records from the RCRAInfo database. The delete transaction will be successful **ONLY** if the primary key value exists in the RCRAInfo database, all child records are owned by the translator, the child records are not linked to any other parent, and, in the case of CM&E data, other specific requirements (see section 2.3 above) have been met. For delete transactions, the translator must only provide the key fields necessary to identify the parent record to be deleted.

Transactions are processed in sequential order as they appear in the flat file. If a delete transaction is processed, a subsequent add/update transaction can put the data back into RCRAInfo.

### 3. TECHNICAL SPECIFICATIONS

This section contains the standards that must be met when producing flat files for the RCRAInfo data submission. Failure to meet these specifications will result in failure to load the data into the RCRAInfo database.

#### 3.1 Rules and Format Conventions Required for Data Flat Files

The flat files comprising your submission must be provided using the following file naming convention:

SSFFFNNN.FIL

where

- SS = State Postal Code of the Activity Location for this submission
- FFF = Flat File Identifier (see Appendix A: Flat File Specifications and Data Edits)
- NNN = Sequence Indicator for the submission

**Note:** The three-character flat file identifier distinguishes each flat file produced during the translation. In addition, the sequence indicator must be the same for ALL files provided for a single submission. For example, a submission containing HBASIC, HHANDLER4, HNAICS, and HCERTIFICATION data for Kansas would contain the control file (KSCTL001.FIL), the HBASIC file (KSHD1001.FIL), the HHANDLER4 file (KSHD2001.FIL), the HNAICS file (KSHD4001.FIL), and the HCERTIFICATION file (KSHD8001.FIL).

The following sections detail the correct field formats for the data in the flat files.

##### 3.1.1 Alphanumeric Fields

Alphanumeric fields are identified in the flat file specifications (Appendix A) as Data Type “A” fields. Data Type “A” fields must be left-justified with all trailing spaces filled with the space character (ASCII HEX 0x20 or ASCII Decimal 32).

Valid characters for alphanumeric fields are limited to **1234567890ABCDEFGHIJKLMNQRSTU VWXYZ** and the following special characters:

SPECIAL CHARACTER	ENGLISH NAME
~	Tilde
!	Exclamation Point
@	At Sign
#	Pound Sign
\$	Dollar Sign
^	Caret

<b>SPECIAL CHARACTER</b>	<b>ENGLISH NAME</b>
*	Asterisk
()	Parentheses
—	Underline
-	Hyphen
\	Backslash
=	Equal Sign
:	Colon
?	Question Mark
,	Comma
.	Period
'	Single Quote
“	Double Quote
{ }	Brackets
[ ]	Square Brackets
	Concatenation

**Exhibit 2. Valid Special Characters**

Invalid characters for alphanumeric fields include:

<b>SPECIAL CHARACTER</b>	<b>ENGLISH NAME</b>
+	Plus Sign
/	Forward Slash
<	Less Than Sign
>	Greater Than Sign
%	Percent Sign
&	Ampersand
;	Semi-colon

**Exhibit 3. Invalid Special Characters**

As part of the RCRAInfo load routines, all lowercase letters (a-z) will be converted to uppercase characters (A-Z), except for in the “Notes” fields and the “Citation” field in CE6. Lowercase letters will not cause a submission to be rejected, however the lowercase letters will be converted to uppercase characters.

### 3.1.2 Integer Fields

Integer fields are identified in the flat file specifications as Data Type “I” fields. Data Type “I” fields may be right- or left-justified and leading or trailing spaces must be filled by the space character (ASCII HEX 0x20 or ASCII Decimal 32).

Allowed values for Integer Fields are number 0-9, and the space characters (ASCII HEX 0x20 or ASCII Decimal 32).

Examples of incorrect and correct entries for an integer field defined with a length of five (5) are presented in Exhibit 2 below.

INCORRECT	CORRECT
1A	1
10,000	10000
750.25	750

**Exhibit 4. Incorrect and Correct Integer Entries**

### 3.1.3 Fixed Decimal Fields

Fixed place decimal fields are identified in the flat file specifications as Data Type “D” fields. Leading or trailing spaces must be filled by the space character (ASCII HEX 0x20 or ASCII Decimal 32).

For all “D” field entries, the flat file specifications indicate the total number of digits and the number of digits after the decimal that the data element is allowed. For example, “D11,6” indicates that the number may have up to 11 digits total: 6 digits after the decimal and the remaining 5 digits before the decimal (99999.999999). The period (.) character, representing the decimal, must be included for fixed decimal fields. The field length includes the decimal character. For D11,6 the field length would be 12 (the 11 digits plus the decimal).

Allowed values for Fixed Decimal Fields are number 0-9, the decimal character (“.”), and the space character (ASCII Hex 0x20 or ASCII Decimal 32).

Exhibit 3 shows incorrect and correct entries in a type “D7,2” field.

INCORRECT	CORRECT
10,032.10	10032.10
98765.000	98765.00

**Exhibit 5. Incorrect and Correct Fixed Decimal Entries**

### 3.1.4 Date Fields

Date fields are identified in the flat file specifications as Data Type “Date” fields. Date fields must be provided in CCYYMMDD format where CC is the century, YY is the year, MM is the month and DD is the day. Leading zeros for months and day values less than 10 must be provided (i.e., January must be reported as 01).

Exhibit 4 shows incorrect and correct entries for date fields.

Date	INCORRECT	CORRECT
January 3, 1999	990103	19990103
January 3, 2001	200113	20010103

**Exhibit 4. Incorrect and Correct Date Entries**

### 3.1.5 Negative Numbers

Negative numbers are not allowed in the data submission.

### 3.1.6 Record Termination

Each flat file record must be terminated by a line feed character (ASCII Hex 0x0A or ASCII Decimal 010), or a carriage return character (ASCII Hex 0x0D or ASCII Decimal 013) followed by a line feed character.

### 3.1.7 Empty Fields

For fields that require no response (including alphanumeric, integer, fixed decimal, and date fields), the field should be filled with the space character (ASCII Hex 0x20 or ASCII Decimal 32).

#### 4. GENERIC EDITS

The data provided in the flat file submission must meet data quality standards for each data element as specified in Appendix A. In addition, the following edits apply to all data elements and records in the flat file submission:

- A prohibited character was found in the flat file submission record.
- Invalid character found in numeric field.
- Invalid character found in date field.
- Invalid date found in date field.
- The first character of an alphanumeric field that is a primary key cannot be a space.
- Transaction code must equal “A” or “D”. (Applies to transaction method only). *Note: The transaction code in HD1 (HBASIC) must be “A” as discussed above.*
- Existing record to delete not found.
- Implementer must be IOR to add/change/delete data.

## 5. CDX FILE TRANSFER

Flat files are transferred to the RCRAInfo database via the RCRA Central Data Exchange (CDX) application. The data is transferred to the EPA in the form of Windows-compatible ZIP files. The RCRAInfo File Transfer Process extracts the files from these zip files and stores the data in Oracle database “staging” tables for further processing. The RCRA staging process is designed to run as a background process that continuously looks for files to process. Therefore, there is no user interaction required once the environment is configured and the process is started.

CDX provides an interface for submitters to upload a ZIP file from their local file location (commonly the C:\ drive) to the CDX/RCRAInfo environments. The uploaded file must be in the form of a ZIP file and can contain a minimum of 2 files and a maximum of 40 files, including a mandatory control file that lists the names of the other files in the ZIP file. These constituent files should be:

- flat files;
- column-delimited;
- formatted such that each record in the file is followed by a carriage return/line feed; and
- formatted per this translator guide’s additional requirements.

A submitter is limited to filing data for one State and one module per ZIP file.

Before the file is uploaded, the CDX interface will validate the zip file name by the following criteria:

- the first 3 characters are the program abbreviation: RCR
- the next 4 characters are program-specific: 2-letter State abbreviation followed by the submission number (e.g., MD01)
- the last 3 characters are the TSSMS ID used for CDX Registration: (e.g., SIX)

An example file name would be RCRMD01SIX.zip. **NOTE:** The activity location (state code) embedded in the file name must match the state code within the account of the submitter that is filing the information.

If the file name does not pass validation, the CDX interface will provide the submitter with a web page describing the error and prompt the submitter to correct the error in order to complete the file upload process. The error will be described as one of the following issues:

- a State code mismatch
- a user name mismatch
- a data flow indicator code mismatch (must be “RCR”)

Any potential users of the RCRA File Transfer account must first be screened by EPA/OSW’s RCRAInfo system administrator and pre-registered by the CDX Help Desk at <http://cdx.epa.gov/Help.asp>. The online user guide is located at <http://www.epa.gov/cdx/rcraft/index.htm>.

## 6. VERSION 4 SUBMISSIONS

The RCRAInfo Version 4 Design Team agreed with the PCA PAA recommendation of fully converting the existing permitting and corrective action data as needed. All data residing in RCRAInfo when Version 4 goes into production, whether entered via the data entry application or through the translation software, will be converted to meet the Version 4 data specifications. Translators submitting permitting and/or corrective action data in Version 4 will need to modify their software to meet these specifications.

The data specifications for all modules can be found in Appendix A. It is important for translators to review the data specifications for **ALL** modules contained in this guide. This guide supersedes all other published translator guides (Version 1, 2, and 3). In an effort to ensure data quality and consistency between data submitted via translation and data entered via the application, the translation software has been modified to fully comply with all edit specifications listed in this guide. Data submissions, either via translation or via direct data entry, that do not adhere to these edits and specifications will not be entered into RCRAInfo. Translator software should be carefully reviewed to ensure that the translation meets the Version 4 data specifications. In addition, it is important that translators review the valid codes for Version 4 and convert existing codes to the V4 codes using the Version 4 Conversion Guidance contained in the appendices of the Version 4 Consolidated High Level Design as a reference.

Translators submitting data via the “transaction” method (see Section 2.3 for explanation of methods) will need to revise their translator software to ensure that data being added or changed meets the Version 4 data specifications. Translators submitting data via the “replacement” method will need to convert **ALL** of their data to meet the Version 4 data specifications (structure changes and data value changes).

## 7. SUBMISSION AND STATUS REPORT INSTRUCTIONS

### 7.1 Step-by-Step Instructions for CDX Submissions

The following step-by-step submission instructions assume that you have obtained the necessary user ID / passwords and access for both the CDX submission site and the RCRAInfo application. The steps provided below illustrate how to submit a flat file translation into the RCRAInfo production environment.

- Step 1 – Open Internet Explorer and go to URL – <http://cdx.epa.gov> (Production CDX website) or <http://epacdxtest.csc.com> (Pre-production CDX website)
- Step 2 – On the Warning Notice page click “ - Click here to continue -”
- Step 3 – On the CDX Home page click “If you already have a CDX ID and password, click here”
- Step 4 – On the Login page, provide your CDX user ID and password and click “Login”
- Step 5 – On the MyCDX page, click “RCRAFT: RCRAInfo File Transfer”
- Step 6 – On the RCRA File Transfer page, click “Flat File”
- Step 7 – Provide the file you wish to submit (i.e., c:\flatfiles\rcrdc99six.zip) by typing it in the “Select file to send” or using the “Browse” button
- Step 8 – Click “Send”
- Step 9 – You will receive the message “**The file: rcrdc99six.zip** was successfully submitted.” You should also receive an e-mail indicating that the file was successfully submitted.
- Step 10 – Go to URL – <https://rcrainfo.epa.gov> (Production RCRAInfo website) or <https://rcrainfopreprod.epa.gov> (Pre-production RCRAInfo website)
- Step 11 – On the Warning Notice page click “here” to agree to the terms and continue.
- Step 12 – On the RCRAInfo page, provide your RCRAInfo user ID and password and click “Log on”
- Step 13 – From the RCRAInfo Main Menu, click “Status Reports” (located under “Utilities”)
- Step 14 – On the Status Reports page, click the “Translator Load” radio button and use the drop-down list to specify your state. Click “Run Report”.
- Step 15 – At the bottom of the Status Report you should see the message “Finished translating CDX. Exit Status: 0”. This indicates that the translation process has completed but does not tell you if the translation was successful. Please go to Step 16 to determine if the translation was successful.
- Step 16 – Review the Status Report to see if any errors were detected and if the data was loaded into the RCRAInfo tables. If errors were detected, you must correct the errors in the flat files and go back to Step 1.

### 7.2 Status Report

The Status Report provides the user with information regarding the processing of the translator load. See Steps 10-14 above to access the Status Report in RCRAInfo.

The Status Report contains information on the files submitted, the errors detected, and the status of loading data into RCRAInfo.

#### 7.2.1 Files Submitted

The top portion of the Status Report shows the flat files submitted, the CDX status code, the number of records reported in the control file, and the number of records received. You should see one record for each file submitted (not including the control file). The CDX status code indicates if the files were successfully transferred from the CDX site into RCRAInfo. A status code of “C” indicates that the files were successfully transferred into RCRAInfo and processing of those flat files will begin. A status code of “A” or “B” indicates that the files were not successfully transferred into RCRAInfo. If you receive a status code of “A” or “B” for any transmitted file, you will need to resubmit all of your files via CDX. If

you persistently receive a status code of “A” or “B”, please contact the CDX help desk at 1-888-890-1995. The record counts are provided so that you know how much data was received by RCRAInfo. If these record counts are not correct, you will need to resubmit all of your files via CDX.

07/16/2007 13:03:17	file:HD1 status:C transmission SUCCESS. records:33537 reported, 33537 received.
07/16/2007 13:03:17	file:HD2 status:C transmission SUCCESS. records:42047 reported, 42047 received.
07/16/2007 13:03:17	file:HD3 status:C transmission SUCCESS. records:50946 reported, 50946 received.
07/16/2007 13:03:17	file:HD4 status:C transmission SUCCESS. records:35106 reported, 35106 received.
07/16/2007 13:03:17	file:HDA status:C transmission SUCCESS. records:248 reported, 248 received.

The status report will then show every file within the module (including files that were not submitted) indicating the number of records in each file, the number of records which do not have any edit errors, and the number of records that do have edit errors. If any of the files contain data edit errors, then **NO** data from the submission will be loaded into RCRAInfo. If the data does contain errors, you will have to correct the errors in the flat files and resubmit the entire load via CDX.

07/16/2007 13:04:22	File:hd1 Of 33537 records, 33537 passed data edits. 0 records have errors.
07/16/2007 13:10:26	File:hd2 Of 42047 records, 34514 passed data edits. 7533 records have errors.
07/16/2007 13:11:28	File:hd3 Of 50946 records, 50946 passed data edits. 0 records have errors.
07/16/2007 13:11:48	File:hd4 Of 35106 records, 35106 passed data edits. 0 records have errors.
07/16/2007 13:11:48	FL has no records in file hd5.
07/16/2007 13:11:48	FL has no records in file hd6.
07/16/2007 13:11:48	FL has no records in file hd7.
07/16/2007 13:11:48	FL has no records in file hd8.
07/16/2007 13:11:48	FL has no records in file hd9.
07/16/2007 13:11:49	File:hda Of 248 records, 248 passed data edits. 0 records have errors.

Note: In the above status report, no data was loaded into RCRAInfo because the submission has errors in the HD2 file.

## 7.2.2 Errors Detected

The status report will show all of the errors detected within the module reporting the flat file in error, the record number in error, the field number in error, and the column position in error. Additionally, information regarding the error will be given, often making references to the error numbers in the Translator Guide. All errors must be corrected and the flat files resubmitted via CDX before any data will be moved to the RCRAInfo tables.

The translation process attempts to detect all errors so that the user can correct as many errors as possible before reloading the data via CDX. However, to make the report manageable to the user, only the first 500 errors are reported. Additionally, correcting an error may create another error, so it is very important to always verify that your load is error-free in the status report.

07/16/2007 13:10:26	file:hd2 rec:23638 field:2 pos:2, EPA Handler ID:FLD984224709 N 1 must have atleast file:hd2 rec:23638 field:2 pos:2, EPA Handler ID:FLD984224709 N 1 must have atleast
07/16/2007 13:10:26	file:hd2 rec:23639 field:2 pos:2, EPA Handler ID:FLD984224717 N 1 must have atleast file:hd2 rec:23639 field:2 pos:2, EPA Handler ID:FLD984224717 N 1 must have atleast
07/16/2007 13:10:26	file:hd2 rec:23646 field:2 pos:2, EPA Handler ID:FLD984224782 N 1 must have atleast file:hd2 rec:23646 field:2 pos:2, EPA Handler ID:FLD984224782 N 1 must have atleast
07/16/2007 13:10:26	file:hd2 rec:23647 field:2 pos:2, EPA Handler ID:FLD984224790 N 1 must have atleast file:hd2 rec:23647 field:2 pos:2, EPA Handler ID:FLD984224790 N 1 must have atleast

### 7.2.3 Loading Data

Once the load is error free, the data will be moved from the RCRAInfo staging tables to the RCRAInfo production tables. The status report will show if data has been successfully moved to the RCRAInfo production tables.

06/21/2007 15:19:40	loading CDX handler data into Rcrainfo production tables
06/21/2007 15:21:49	Completed cdx translation load into HBASIC from hd1
06/21/2007 15:28:06	Completed cdx translation load into HHANDLER2 from HD2
06/21/2007 15:34:07	Completed cdx translation load into HOWNER_OPERATOR2 from HD3
06/21/2007 15:37:07	Completed cdx translation load into HNAICS from HD4
06/21/2007 15:37:07	no cdx data found for HOTHER_PERMIT2 from HD5
06/21/2007 15:37:08	no cdx data found for HWASTE_CODE from HD6
06/21/2007 15:37:08	no cdx data found for HUNIVERSAL_WASTE from HD7
06/21/2007 15:37:08	no cdx data found for HCERTIFICATION from HD8
06/21/2007 15:37:08	no cdx data found for HSTATE_ACTIVITY from HD9

Upon completion of the translation process (either successful or unsuccessful), the status report will indicate that processing has been completed.

06/21/2007 15:37:09	Finished translating CDX data. exit status:0
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## **APPENDIX A**

### **Flat File Specifications and Data Edits**

## Appendix A - Flat File Specifications and Data Edits

### Notes:

1. The following specifications and edits show requirements for Add/Update transactions. The requirements for Delete transactions are listed in the footnotes below each table.
2. The translator does not provide activity location in any of the file specifications. The activity location is derived from the location indicated in the submission file.

FLAT FILE ID# - CTL				
Description: Control File - Name and statistical information for each flat file submitted.				
Field Number	Starting Column	Field Length	Data Type	Description
1	1	3	A	Flat File ID
2	4	1	I	Software Version Number (MUST BE = '4')
3	5	8	Date	Date Created (CCYYMMDD)
4	13	6	I	Record Count
5	19	1	A	Full Replacement Indicator (Full Replace= 'Y', Partial = 'P', Transaction = 'N')
<b>Total Record Length:</b>		<b>19</b>		

**FLAT FILE ID# - HD1**

Table Name: HBASIC

CDX Staging Table Name: TR\_HD1

Description: Handler Basic Identification

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
1	TRANSACTION_CODE	1	1	A	Transaction Code	
2	HANDLER_ID	2	12	A	EPA Handler ID	HD1-010, HD1-020, HD1-040
3	EXTRACT_FLAG	14	1	A	Extract Flag	HD1-035
4	FACILITY_IDENTIFIER	15	12	A	Facility Identifier	
5	NOTES	27	240	A	Notes	
<b>Total Record Length:</b>			<b>266</b>			

HD1 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
HD-000	Translator is not implementer of record for the Handler Module.	
HD1-010	The first two characters of Handler ID must be a valid state postal code.	SUBSTR(HANDLER_ID,1,2) = valid state postal code (See Appendix B)
HD1-020	Handler ID must be at least four characters and no more than twelve characters.	LENGTH(HANDLER_ID) >= 4 and LENGTH(HANDLER_ID) <= 12
HD1-035	Extract Flag must equal 'X' or blank.	EXTRACT_FLAG = 'X' or ' '
HD1-040	Handler ID (with the home activity location) must exist in HHANDLER4 or HD2.	HANDLER_ID in HD1 must exist in HHANDLER4 (where the SUBSTR(HANDLER_ID,1,2) = ACTIVITY_LOCATION) or HD2

**FLAT FILE ID# - HD2**

Table Name: HHANDLER4

CDX Staging Table Name: TR\_HD2

Description: Handler Identification and Activity Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	HD2-010, HD2-550, HD2-560
3	SOURCE_TYPE <sup>1</sup>	14	1	A	Source Type	HD2-020, HD2-540
4	SEQ_NUMBER <sup>1</sup>	15	6	I	Handler Sequence Number	HD2-030
5	RECEIVE_DATE	21	8	Date	Receive Date	HD2-040
6	SITE_NAME	29	80	A	Site Name	HD2-050
7	NON_NOTIFIER	109	1	A	Non-Notifier Flag	HD2-060
8	NUMBER_OF_EMPLOYEES	110	9	I	Number of Employees	HD2-070
9	LOCATION_STREET_NO	119	12	A	Location Street Number	
10	LOCATION_STREET1	131	30	A	Location Street Address 1	HD2-080
11	LOCATION_STREET2	161	30	A	Location Street Address 2	
12	LOCATION_CITY	191	25	A	Location City	HD2-090
13	LOCATION_STATE	216	2	A	Location State	HD2-100

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - HD2**

Table Name: HHANDLER4

CDX Staging Table Name: TR\_HD2

Description: Handler Identification and Activity Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
14	LOCATION_ZIP	218	14	A	Location Zip Code	HD2-110, HD2-120
15	LAND_TYPE	232	1	A	Land Type	HD2-130
16	STATE_DISTRICT	233	10	A	State District	
17	MAIL_STREET_NO	243	12	A	Mailing Street Number	
18	MAIL_STREET1	255	30	A	Mailing Street Address 1	HD2-140
19	MAIL_STREET2	285	30	A	Mailing Street Address 2	
20	MAIL_CITY	315	25	A	Mailing City	HD2-150
21	MAIL_STATE	340	2	A	Mailing State	HD2-160, HD2-165
22	MAIL_ZIP	342	14	A	Mailing Zip Code	HD2-170
23	MAIL_COUNTRY	356	2	A	Mailing Country	HD2-180
24	CONTACT_FIRST_NAME	358	15	A	Contact First Name	HD2-190
25	CONTACT_MIDDLE_INITIAL	373	1	A	Contact Middle Initial	
26	CONTACT_LAST_NAME	374	15	A	Contact Last Name	HD2-200
27	CONTACT_STREET_NO	389	12	A	Contact Street Number	
28	CONTACT_STREET1	401	30	A	Contact Street Address 1	
29	CONTACT_STREET2	431	30	A	Contact Street Address 2	

**FLAT FILE ID# - HD2**

Table Name: HHANDLER4

CDX Staging Table Name: TR\_HD2

Description: Handler Identification and Activity Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
30	CONTACT_CITY	461	25	A	Contact City	
31	CONTACT_STATE	486	2	A	Contact State	HD2-220, HD2-225
32	CONTACT_ZIP	488	14	A	Contact Zip Code	
33	CONTACT_COUNTRY	502	2	A	Contact Country Code	HD2-230
34	CONTACT_PHONE	504	15	A	Contact Phone	HD2-210
35	CONTACT_PHONE_EXT	519	6	A	Contact Phone Extension	
36	CONTACT_EMAIL_ADDRESS	525	240	A	Contact E-mail Address	
37	PCONTACT_FIRST_NAME	765	15	A	Permit Contact First Name	HD2-240
38	PCONTACT_MIDDLE_INITIAL	780	1	A	Permit Contact Middle Initial	
39	PCONTACT_LAST_NAME	781	15	A	Permit Contact Last Name	HD2-250
40	PCONTACT_STREET_NO	796	12	A	Permit Contact Street Number	
41	PCONTACT_STREET1	808	30	A	Permit Contact Street Address 1	
42	PCONTACT_STREET2	838	30	A	Permit Contact Street Address 2	
43	PCONTACT_CITY	868	25	A	Permit Contact City	
44	PCONTACT_STATE	893	2	A	Permit Contact State	HD2-270, HD2-275
45	PCONTACT_ZIP	895	14	A	Permit Contact Zip Code	

**FLAT FILE ID# - HD2**

Table Name: HHANDLER4

CDX Staging Table Name: TR\_HD2

Description: Handler Identification and Activity Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
46	PCONTACT_COUNTRY	909	2	A	Permit Contact Country Code	HD2-280
47	PCONTACT_PHONE	911	15	A	Permit Contact Phone	HD2-260
48	PCONTACT_PHONE_EXT	926	6	A	Permit Contact Phone Extension	
49	PCONTACT_EMAIL_ADDRESS	932	240	A	Permit Contact E-mail Address	
50	IMPORTER_ACTIVITY	1172	1	A	Importer Activity	HD2-350
51	MIXED_WASTE_GENERATOR	1173	1	A	Mixed Waste Generator	HD2-360
52	RECYCLER_ACTIVITY	1174	1	A	Recycler Activity	HD2-370
53	TRANSPORTER_ACTIVITY	1175	1	A	Transporter Activity	HD2-380
54	TSD_ACTIVITY	1176	1	A	TSD Activity	HD2-390
55	UNDERGROUND_INJECTION_ACTIVITY	1177	1	A	Underground Injection Activity	HD2-400
56	UNIVERSAL_WASTE_DEST_FACILITY	1178	1	A	Universal Waste Destination Facility	HD2-410
57	ONSITE_BURNER_EXEMPTION	1179	1	A	Onsite Burner Exemption	HD2-420
58	FURNACE_EXEMPTION	1180	1	A	Furnace Exemption	HD2-430
59	USED_OIL_BURNER	1181	1	A	Used Oil Fuel Burner	HD2-440
60	USED_OIL_PROCESSOR	1182	1	A	Used Oil Processor	HD2-450
61	USED_OIL_REFINER	1183	1	A	Used Oil Refiner	HD2-460

**FLAT FILE ID# - HD2**

Table Name: HHANDLER4

CDX Staging Table Name: TR\_HD2

Description: Handler Identification and Activity Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
62	USED_OIL_MARKET_BURNER	1184	1	A	Used Oil Fuel Marketer to Burner	HD2-470
63	USED_OIL_SPEC_MARKETER	1185	1	A	Specification Used Oil Marketer	HD2-480
64	USED_OIL_TRANSFER_FACILITY	1186	1	A	Used Oil Transfer Facility	HD2-490
65	USED_OIL_TRANSPORTER	1187	1	A	Used Oil Transporter	HD2-500
66	TSD_DATE	1188	8	Date	TSD Date	HD2-505
67	OFF_SITE_RECEIPT	1196	1	A	Off-Site Waste Receipt	HD2-503
68	ACCESSIBILITY	1197	1	A	Accessibility	HD2-504
69	COUNTY_OWNER	1198	2	A	County Owner	HD2-509
70	COUNTY_CODE	1200	5	A	County Code	HD2-510
71	FED_WASTE_GENERATOR_OWNER	1205	2	A	Federal Waste Generator Status Owner	HD2-515, HD2-516
72	FED_WASTE_GENERATOR	1207	1	A	Federal Waste Generator Status Code	HD2-520, HD2-516
73	STATE_WASTE_GENERATOR_OWNER	1208	2	A	State Waste Generator Status Owner	HD2-525, HD2-526
74	STATE_WASTE_GENERATOR	1210	1	A	State Waste Generator Status Code	HD2-530, HD2-526
75	NOTES	1211	2000	A	Notes	
<b>Total Record Length:</b>			<b>3210</b>			

*Note: An HD2 record for the home state cannot be deleted if another HD2 (or HHANDLER4) record for the home state does not exist.*

### HD2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
HD-000	Translator is not implementer of record for the Handler Module.	
HD2-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in HD2 must exist in HBASIC or HD1
HD2-020	Source Type must equal 'N', 'A', 'I', 'E', or 'T'.	SOURCE_TYPE = 'N' or 'A' or 'I' or 'E' or 'T'
HD2-030	Sequence Number must be greater than zero.	SEQ_NUMBER > 0
HD2-040	Receive Date must be provided and must be greater than or equal to January 1, 1980 and no later than today.	RECEIVE_DATE >= '19800101' and RECEIVE_DATE <= today
HD2-050	Site Name must be provided.	SITE_NAME <> ' '
HD2-060	Non-Notifier must equal 'E', 'X', 'O', or blank.	NON_NOTIFIER = 'E' or 'X' or 'O' or ' '
HD2-070	Number of Employees must be greater than zero or blank.	NUMBER_OF_EMPLOYEES > 0 or NUMBER_OF_EMPLOYEES = ' '
HD2-080	Location Street 1 must be provided.	LOCATION_STREET1 <> ' '
HD2-090	Location City must be provided.	LOCATION_CITY <> ' '
HD2-100	If the first two characters of Handler ID equal 'NN' then Location State must be a valid state postal code. If the first two characters of Handler ID do not equal 'NN' then Location State must equal the first two characters of Handler ID.	If SUBSTR(HANDLER_ID,1,2) = 'NN' Then LOCATION_STATE = valid state postal code If SUBSTR(HANDLER_ID,1,2) <> 'NN' Then LOCATION_STATE = SUBSTR(HANDLER_ID,1,2)
HD2-110	Location Zip Code must be provided.	LOCATION_ZIP <> ' '
HD2-120	Location Zip Code must contain only the characters 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, or blank.	LOCATION_ZIP characters = '0' or '1' or '2' or '3' or '4' or '5' or '6' or '7' or '8' or '9' or ' '
HD2-130	If Source Type equals 'N' or 'A' then Land Type must equal 'P', 'C', 'D', 'F', 'I', 'M', 'S', or 'O'. If Source Type equals 'I', 'E', or 'T' then Land Type must equal 'P', 'C', 'D', 'F', 'I', 'M', 'S', 'O', or blank.	If SOURCE_TYPE = 'N' or 'A' Then LAND_TYPE = 'P' or 'C' or 'D' or 'F' or 'I' or 'M' or 'S' or 'O' If SOURCE_TYPE = 'I' or 'E' or 'T' Then LAND_TYPE = 'P' or 'C' or 'D' or 'F' or 'I' or 'M' or 'S' or 'O' or ' '

### HD2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
HD2-140	If Source Type equals 'N' or 'A' then Mail Street 1 must be provided.	If SOURCE_TYPE = 'N' or 'A' Then MAIL_STREET1 <> ' '
HD2-150	If Source Type equals 'N' or 'A' then Mailing City must be provided.	If SOURCE_TYPE = 'N' or 'A' Then MAIL_CITY <> ' '
HD2-160	If Source Type equals 'N' or 'A' and Mailing Country equals blank or 'US' then Mailing State must equal a valid state postal code. If Source Type equals 'I', 'E', or 'T' and Mailing Country equals blank or 'US' then Mailing State must equal a valid state postal code or blank.	If SOURCE_TYPE = 'N' or 'A' and MAIL_COUNTRY = ' ' or 'US' Then MAIL_STATE = valid state postal code If SOURCE_TYPE = 'I' or 'E' or 'T' and MAIL_COUNTRY = ' ' or 'US' Then MAIL_STATE = valid state postal code or ' '
HD2-165	If Mailing Country is not equal to blank or 'US' then Mailing State must equal a valid nationally-defined value in LU_FOREIGN_STATE or blank.	If MAIL_COUNTRY <> ' ' or 'US' Then MAIL_STATE = valid state code in LU_FOREIGN_STATE or ' '
HD2-170	If Source Type equals 'N' or 'A' then Mailing Zip Code must be provided.	If SOURCE_TYPE = 'N' or 'A' Then MAIL_ZIP <> ' '
HD2-180	Mailing Country must be a valid nationally defined value. If Mailing Country is blank, a value of 'US' will be assumed.	MAIL_COUNTRY = nationally defined country code provided in LU_COUNTRY or ' '
HD2-190	If Source Type equals 'N' or 'A' then Contact First Name must be provided.	If SOURCE_TYPE = 'N' or 'A' Then CONTACT_FIRST_NAME <> ' '
HD2-200	If Source Type equals 'N' or 'A' then Contact Last Name must be provided.	If SOURCE_TYPE = 'N' or 'A' Then CONTACT_LAST_NAME <> ' '
HD2-210	If Source Type equals 'N' or 'A' then Contact Phone must be provided.	If SOURCE_TYPE = 'N' or 'A' Then CONTACT_PHONE <> ' '
HD2-220	If Contact Country Code is equals to blank or 'US' then Contact State must equal a valid state postal code or blank.	If CONTACT_COUNTRY = ' ' or 'US' Then CONTACT_STATE = valid state postal code or ' '

### HD2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
HD2-225	If Contact Country is not equal to blank or 'US' then Contact State must equal a valid nationally-defined value in LU_FOREIGN_STATE or blank.	If CONTACT_COUNTRY <> ' ' or 'US' Then CONTACT_STATE = valid state code in LU_FOREIGN_STATE or ' '
HD2-230	Contact Country Code must be a valid nationally defined value. If Contact Country Code is blank, a value of 'US' will be assumed.	CONTACT_COUNTRY = nationally defined country code provided in LU_COUNTRY or ' '
HD2-240	If Source Type equals 'A' then Permit Contact First Name must be provided.	If SOURCE_TYPE = 'A' Then PCONTACT_FIRST_NAME <> ' '
HD2-250	If Source Type equals 'A' then Permit Contact Last Name must be provided.	If SOURCE_TYPE = 'A' Then PCONTACT_LAST_NAME <> ' '
HD2-260	If Source Type equals 'A' then Permit Contact Phone must be provided.	If SOURCE_TYPE = 'A' Then PCONTACT_PHONE <> ' '
HD2-270	If Permit Contact Country Code equals blank or 'US' then Permit Contact State must equal a valid state postal code or blank.	If PCONTACT_COUNTRY = ' ' or 'US' Then PCONTACT_STATE = valid state postal code or ' '
HD2-275	If Permit Contact Country is not equal to blank or 'US' then Permit Contact State must equal a valid nationally-defined value in LU_FOREIGN_STATE or blank.	If PCONTACT_COUNTRY <> ' ' or 'US' Then PCONTACT_STATE = valid state code in LU_FOREIGN_STATE or ' '
HD2-280	Permit Contact Country Code must be a valid nationally defined value. If Permit Contact Country Code is blank, a value of 'US' will be assumed.	PCONTACT_COUNTRY = nationally defined country code provided in LU_COUNTRY or ' '
HD2-350*	If Source Type equals 'N' or 'A' then Importer Activity must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Importer Activity must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then IMPORTER_ACTIVITY = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then IMPORTER_ACTIVITY = 'Y' or 'N' or 'U'
HD2-360*	If Source Type equals 'N' or 'A' then Mixed Waste Generator must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Mixed Waste Generator must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then MIXED_WASTE_GENERATOR = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then MIXED_WASTE_GENERATOR = 'Y' or 'N' or 'U'

### HD2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
HD2-370*	If Source Type equals 'N' or 'A' then Recycler Activity must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Recycler Activity must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then RECYCLER_ACTIVITY = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then RECYCLER_ACTIVITY = 'Y' or 'N' or 'U'
HD2-380*	If Source Type equals 'N' or 'A' then Transporter Activity must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Transporter Activity must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then TRANSPORTER_ACTIVITY = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then TRANSPORTER_ACTIVITY = 'Y' or 'N' or 'U'
HD2-390*	If Source Type equals 'N' or 'A' then TSD Activity must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then TSD Activity must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then TSD_ACTIVITY = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then TSD_ACTIVITY = 'Y' or 'N' or 'U'
HD2-400*	If Source Type equals 'N' or 'A' then Underground Injection Activity must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Underground Injection Activity must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then UNDERGROUND_INJECTION_ACTIVITY = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then UNDERGROUND_INJECTION_ACTIVITY = 'Y' or 'N' or 'U'
HD2-410*	If Source Type equals 'N' or 'A' then Universal Waste Destination Facility must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Universal Waste Destination Facility must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then UNIVERSAL_WASTE_DEST_FACILITY = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then UNIVERSAL_WASTE_DEST_FACILITY = 'Y' or 'N' or 'U'
HD2-420*	If Source Type equals 'N' or 'A' then Small Quantity On-site Burner Exemption must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Small Quantity On-Site Burner Exemption must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then ONSITE_BURNER_EXEMPTION = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then ONSITE_BURNER_EXEMPTION = 'Y' or 'N' or 'U'
HD2-430*	If Source Type equals 'N' or 'A' then Furnace Exemption must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Furnace Exemption must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then FURNACE_EXEMPTION = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then FURNACE_EXEMPTION = 'Y' or 'N' or 'U'

### HD2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
HD2-440*	If Source Type equals 'N' or 'A' then Used Oil Fuel Burner must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Used Oil Fuel Burner must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then USED_OIL_BURNER = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then USED_OIL_BURNER = 'Y' or 'N' or 'U'
HD2-450*	If Source Type equals 'N' or 'A' then Used Oil Processor must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Used Oil Processor must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then USED_OIL_PROCESSOR = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then USED_OIL_PROCESSOR = 'Y' or 'N' or 'U'
HD2-460*	If Source Type equals 'N' or 'A' then Used Oil Refiner must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Used Oil Refiner must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then USED_OIL_REFINER = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then USED_OIL_REFINER = 'Y' or 'N' or 'U'
HD2-470*	If Source Type equals 'N' or 'A' then Used Oil Fuel Marketer to Burner must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Used Oil Fuel Marketer to Burner must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then USED_OIL_MARKET_BURNER = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then USED_OIL_MARKET_BURNER = 'Y' or 'N' or 'U'
HD2-480*	If Source Type equals 'N' or 'A' then Specification Used Oil Marketer must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Specification Used Oil Marketer must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then USED_OIL_SPEC_MARKETER = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then USED_OIL_SPEC_MARKETER = 'Y' or 'N' or 'U'
HD2-490*	If Source Type equals 'N' or 'A' then Used Oil Transfer Facility must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Used Oil Transfer Facility must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then USED_OIL_TRANSFER_FACILITY = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then USED_OIL_TRANSFER_FACILITY = 'Y' or 'N' or 'U'
HD2-500*	If Source Type equals 'N' or 'A' then Used Oil Transporter must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Used Oil Transporter must equal 'Y', 'N', or 'U'.	If SOURCE_TYPE = 'N' or 'A' Then USED_OIL_TRANSPORTER = 'Y' or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then USED_OIL_TRANSPORTER = 'Y' or 'N' or 'U'

### HD2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
HD2-503	Offsite Receipt must equal 'A', 'N', 'R' or blank.	OFF_SITE_RECEIPT = 'A' or 'N' or 'R' or ' '
HD2-504	Accessibility must equal 'B', 'C', 'F', 'L' or blank.	ACCESSIBILITY = 'B' or 'C' or 'F' or 'L' or ' '
HD2-505	If Source Type equals 'A' then TSD Date must be a valid date less than or equal to today.	If SOURCE_TYPE = 'A' Then TSD_DATE <= Today
HD2-509	Location County Owner must equal 'HQ'	COUNTY_OWNER = 'HQ'
HD2-510	Location County Code must be a valid value.	COUNTY_CODE = county code in LU_COUNTY
HD2-515	If Source Type equals 'N' or 'A' then Federal Waste Generator Owner must equal 'HQ'. If Source Type equals 'I', 'E', or 'T' then Federal Waste Generator Status must equal 'HQ' or blank.	If SOURCE_TYPE = 'N' or 'A' Then FED_WASTE_GENERATOR_OWNER = 'HQ' If SOURCE_TYPE = 'I' or 'E' or 'T' Then FED_WASTE_GENERATOR_OWNER = 'HQ' or ' '
HD2-516	If Federal Waste Generator is provided then Federal Waste Generator Owner must be provided. If Federal Waste Generator Owner is provided then Federal Waste Generator must be provided.	If FED_WASTE_GENERATOR <> ' ' Then FED_WASTE_GENERATOR_OWNER <> ' ' If FED_WASTE_GENERATOR_OWNER <> ' ' Then FED_WASTE_GENERATOR <> ' '
HD2-520	If Source Type equals 'N' or 'A' then Federal Waste Generator Status must equal '1', '2', '3', or 'N'. If Source Type equals 'I', 'E', or 'T' then Federal Waste Generator Status must equal '1', '2', '3', 'N', or blank.	If SOURCE_TYPE = 'N' or 'A' Then FED_WASTE_GENERATOR = '1', '2', '3', or 'N' If SOURCE_TYPE = 'I' or 'E' or 'T' Then FED_WASTE_GENERATOR = '1' or '2' or '3' or 'N' or ' '
HD2-525	If Source Type equals 'N' or 'A' then State Waste Generator Owner must equal submitter agency or 'HQ'. If Source Type equals 'I', 'E', or 'T' then State Waste Generator Status must equal submitter agency, 'HQ', or blank.	If SOURCE_TYPE = 'N' or 'A' Then STATE_WASTE_GENERATOR_OWNER = submitter agency or 'HQ' If SOURCE_TYPE = 'I' or 'E' or 'T' Then STATE_WASTE_GENERATOR_OWNER = submitter agency or 'HQ' or ' '

HD2 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
HD2-526	If State Waste Generator is provided then State Waste Generator Owner must be provided.  If State Waste Generator Owner is provided then State Waste Generator must be provided.	If STATE_WASTE_GENERATOR <> ' ' Then STATE_WASTE_GENERATOR_OWNER <> ' '  If STATE_WASTE_GENERATOR_OWNER <> ' ' Then STATE_WASTE_GENERATOR <> ' '
HD2-530	If Source Type equals 'N' or 'A' then State Waste Generator Status must be a valid implementer defined value registered with the RCRAInfo database. If Source Type equals 'I', 'E', or 'T' then State Waste Generator Status must be a valid implementer defined value registered with the RCRAInfo database or blank.	If SOURCE_TYPE = 'N' or 'A' Then STATE_WASTE_GENERATOR = implementer defined waste generator status code in LU_GENERATOR_STATUS2 If SOURCE_TYPE = 'I', 'E', or 'T' Then STATE_WASTE_GENERATOR = implementer defined waste generator status code in LU_GENERATOR_STATUS2 or ' '
HD2-540*	If Source Type equals 'N' or 'A' then must have at least one record in HNAICS or HD4 where NAICS Sequence Number equals 1.	If SOURCE_TYPE = 'N' or 'A' Then for HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HD2 there must be a record in HNAICS or HD4 where NAICS_SEQ = 1
HD2-550*	At least one record must exist in HCERTIFICATION or HD8.	HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HD2 must exist in HCERTIFICATION or HD8
HD2-560*	At least one record must exist in HOWNER_OPERATOR2 or HD3 where Owner/Operator Indicator equals 'CO' and at least one record must exist in HOWNER_OPERATOR2 or HD3 where Owner/Operator Indicator equals 'CP'.	HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HD2 must have at least one record in HOWNER_OPERATOR2 or HD3 where OWNER_OPERATOR_INDICATOR = 'CO' and at least one record in HOWNER_OPERATOR2 or HD3 where OWNER_OPERATOR_INDICATOR = 'CP'

*\*If the Receive Date is prior to January 1, 2004, then the specified field can be blank (not provided).*

**FLAT FILE ID# - HD3**

Table Name: HOWNER\_OPERATOR2

CDX Staging Table Name: TR\_HD3

Description: Handler Owner and Operator Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	HD3-010
3	SOURCE_TYPE <sup>1</sup>	14	1	A	Source Type	HD3-010
4	SEQ_NUMBER <sup>1</sup>	15	6	I	Handler Sequence Number	HD3-010
5	OWNER_OPERATOR_SEQ <sup>1</sup>	21	4	I	Owner/Operator Sequence Number	HD3-020
6	OWNER_OPERATOR_INDICATOR	25	2	A	Owner/Operator Indicator	HD3-030
7	OWNER_OPERATOR_NAME	27	40	A	Owner/Operator Name	HD3-040
8	OWNER_OPERATOR_TYPE	67	1	A	Owner/Operator Type	HD3-050
9	DATE_BECAME_CURRENT	68	8	Date	Date the Owner/Operator Became the Current Owner/Operator	HD3-060
10	DATE_ENDED_CURRENT	76	8	Date	Date the Owner/Operator Ended Being the Current Owner/Operator	HD3-070
11	STREET_NO	84	12	A	Owner/Operator Street Number	
12	STREET1	96	30	A	Owner/Operator Street Address 1	

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - HD3**

Table Name: HOWNER\_OPERATOR2

CDX Staging Table Name: TR\_HD3

Description: Handler Owner and Operator Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
13	STREET2	126	30	A	Owner/Operator Street Address 2	
14	CITY	156	25	A	Owner/Operator City	
15	STATE	181	2	A	Owner/Operator State	HD3-080
16	COUNTRY	183	2	A	Owner/Operator Country Code	HD3-090, HD3-100
17	ZIP	185	14	A	Owner/Operator Zip Code	
18	PHONE	199	15	A	Owner/Operator Phone	
19	DUNN_BRADSTREET_NUMBER	214	10	A	Dunn & Bradstreet Number	
20	NOTES	224	240	A	Notes	
<b>Total Record Length:</b>			<b>463</b>			

HD3 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
HD-000	Translator is not implementer of record for the Handler Module.	
HD3-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER4 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD3 must exist in HHANDLER4 or HD2
HD3-020	Owner/Operator Sequence Number must be greater than zero.	OWNER_OPERATOR_SEQ > 0
HD3-030	Owner/Operator Indicator must equal 'CO' or 'CP'.	OWNER_OPERATOR_INDICATOR = 'CO' or 'CP'
HD3-040	Owner/Operator Name must be provided.	OWNER_OPERATOR_NAME <> ' '
HD3-050	Owner/Operator Type must equal 'P', 'C', 'D', 'F', 'I', 'M', 'S', or 'O'.	OWNER_OPERATOR_TYPE = 'P' or 'C' or 'D' or 'F' or 'I' or 'M' or 'S' or 'O'
HD3-060	Date Became Current must be a valid date greater than or equal to January 1, 1600 and no later than today.	DATE_BECAME_CURRENT >= '16000101' and DATE_BECAME_CURRENT <= today
HD3-070	Date Ended Current must be a valid date greater than January 1, 1600 and no later than today, or blank.	(DATE_ENDED_CURRENT >= '16000101' and DATE_ENDED_CURRENT <= today) or DATE_ENDED_CURRENT = ' '
HD3-080	If Owner/Operator Country Code is equal to blank or 'US' then Owner/Operator State must be a valid state postal code or blank.	If COUNTRY = ' ' or 'US' Then STATE = valid state postal code or ' '
HD3-090	Owner/Operator Country Code must be a valid nationally defined value. If Owner/Operator Country Code is blank, a value of 'US' will be assumed.	COUNTRY = nationally defined country code in LU_COUNTRY
HD3-100	If Owner/Operator Country is not equal to blank or 'US' then Owner/Operator State must equal a valid nationally-defined value in LU_FOREIGN_STATE or blank.	If COUNTRY <> ' ' or 'US' Then STATE = valid state code in LU_FOREIGN_STATE or ' '

**FLAT FILE ID# - HD4**

Table Name: HNAICS

CDX Staging Table Name: TR\_HD4

Description: Handler North American Industry Classification System Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	HD4-010
3	SOURCE_TYPE <sup>1</sup>	14	1	A	Source Type	HD4-010
4	SEQ_NUMBER <sup>1</sup>	15	6	I	Handler Sequence Number	HD4-010
5	NAICS_SEQ <sup>1</sup>	21	4	I	NAICS Sequence Number	HD4-020
6	NAICS_OWNER	25	2	A	NAICS Owner	HD4-040
7	NAICS_CODE	27	6	A	NAICS Code	HD4-030
8	NOTES	33	240	A	Notes	
<b>Total Record Length:</b>			<b>272</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

HD4 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
HD-000	Translator is not implementer of record for the Handler Module.	
HD4-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER4 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD4 must exist in HHANDLER4 or HD2
HD4-020	NAICS Sequence Number must be greater than zero.	NAICS_SEQ > 0
HD4-030	NAICS Code must be a valid nationally defined value registered in the RCRAInfo database.	NAICS_CODE = nationally defined NAICS code in LU_NAICS
HD4-040	NAICS Owner must equal 'HQ'	NAICS_OWNER = 'HQ'

**FLAT FILE ID# - HD5**

Table Name: HOTHER\_PERMIT2

CDX Staging Table Name: TR\_HD5

Description: Handler Other Environmental Permits Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	HD5-010
3	SOURCE_TYPE <sup>1</sup>	14	1	A	Source Type	HD5-010, HD5-020
4	SEQ_NUMBER <sup>1</sup>	15	6	I	Handler Sequence Number	HD5-010
5	OTHER_PERMIT_NUMBER <sup>1</sup>	21	13	A	Other Permit Number	HD5-030
6	OTHER_PERMIT_OWNER	34	2	A	Other Permit Owner	HD5-050
7	OTHER_PERMIT_TYPE	36	1	A	Other Permit Type	HD5-040
8	OTHER_PERMIT_DESC	37	20	A	Other Permit Description	
9	NOTES	57	240	A	Notes	
<b>Total Record Length:</b>			<b>296</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

HD5 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
HD-000	Translator is not implementer of record for the Handler Module.	
HD5-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER4 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD5 must exist in HHANDLER4 or HD2
HD5-020	Source Type must equal 'A'.	SOURCE_TYPE = 'A'
HD5-030	Other Permit Number must be provided.	OTHER_PERMIT_NUMBER <> ''
HD5-040	Other Permit Type must be a valid implementer defined value registered with the RCRAInfo database.	OTHER_PERMIT_TYPE = implementer defined other permit type in LU_OTHER_PERMIT
HD5-050	Other Permit Owner must equal the submitter's agency or 'HQ'.	OTHER_PERMIT_OWNER = submitter's agency or 'HQ'

**FLAT FILE ID# - HD6**

Table Name: HWASTE\_CODE

CDX Staging Table Name: TR\_HD6

Description: Handler Waste Code Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	HD6-010
3	SOURCE_TYPE <sup>1</sup>	14	1	A	Source Type	HD6-010
4	SEQ_NUMBER <sup>1</sup>	15	6	I	Handler Sequence Number	HD6-010
5	WASTE_CODE_OWNER	21	2		Waste Code Owner	HD6-030
6	WASTE_CODE <sup>1</sup>	23	6	A	Waste Code	HD6-020
<b>Total Record Length:</b>			<b>28</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

HD6 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
HD-000	Translator is not implementer of record for the Handler Module.	
HD6-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER4 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD6 must exist in HHANDLER4 or HD2
HD6-020	Waste Code must be a valid nationally or implementer defined value registered with the RCRAInfo database.	WASTE_CODE = nationally or implementer defined waste code in LU_WASTE_CODE
HD6-030	Waste Code Owner must equal the submitter's agency or 'HQ'.	WASTE_CODE_OWNER = submitter's agency or 'HQ'

**FLAT FILE ID# - HD7**

Table Name: HUNIVERSAL\_WASTE

CDX Staging Table Name: TR\_HD7

Description: Handler Universal Waste Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	HD7-010
3	SOURCE_TYPE <sup>1</sup>	14	1	A	Source Type	HD7-010
4	SEQ_NUMBER <sup>1</sup>	15	6	I	Handler Sequence Number	HD7-010
5	UNIVERSAL_WASTE_OWNER <sup>1</sup>	21	2	A	Universal Waste Owner	HD7-015
6	UNIVERSAL_WASTE_TYPE <sup>1</sup>	23	1	A	Universal Waste Type	HD7-020
7	ACCUMULATED	24	1	A	Accumulated/Managed	HD7-030, HD7-060
8	GENERATED	25	1	A	Generated	HD7-040, HD7-050
9	NOTES	26	240	A	Notes	
<b>Total Record Length:</b>			<b>265</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

HD7 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
HD-000	Translator is not implementer of record for the Handler Module.	
HD7-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER4 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD7 must exist in HHANDLER4 or HD2
HD7-015	Universal Waste Owner must equal the submitter's agency or 'HQ'.	UNIVERSAL_WASTE_OWNER = submitter's agency or 'HQ'
HD7-020	Universal Waste Type must be a valid nationally or implementer defined value registered with the RCRAInfo database.	UNIVERSAL_WASTE_TYPE = nationally or implementer defined universal waste type in LU_UNIVERSAL_WASTE
HD7-030	If Universal Waste Type is nationally-defined then Accumulated / Managed must equal 'Y' else Accumulated / Managed must equal 'Y' or 'N'.	If UNIVERSAL_WASTE_TYPE is nationally-defined Then ACCUMULATED = 'Y' Else ACCUMULATED = 'Y' or 'N'
HD7-040	If Universal Waste Type is implementer-defined then Generated must equal 'Y' or 'N'	If UNIVERSAL_WASTE_TYPE is implementer-defined Then GENERATED = 'Y' or 'N'
HD7-050	If Accumulated / Managed is equal to 'N' then Generated must equal 'Y'.	If ACCUMULATED = 'N' Then GENERATED = 'Y'
HD7-060	If Generated is equal to 'N' then Accumulated / Managed must equal 'Y'.	If GENERATED = 'N' Then ACCUMULATED = 'Y'

Note: If the Universal Waste Type is nationally-defined, then the Generated field will be set to null, regardless of the value provided by the translator.

**FLAT FILE ID# - HD8**

Table Name: HCERTIFICATION

CDX Staging Table Name: TR\_HD8

Description: Handler Certification Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	HD8-010
3	SOURCE_TYPE <sup>1</sup>	14	1	A	Source Type	HD8-010
4	SEQ_NUMBER <sup>1</sup>	15	6	I	Handler Sequence Number	HD8-010
5	CERT_SEQ <sup>1</sup>	21	8	I	Certification Sequence Number	HD8-020
6	CERT_SIGNED_DATE	29	8	Date	Certification Signed Date	HD8-030
7	CERT_TITLE	37	45	A	Certification Title	HD8-040
8	CERT_FIRST_NAME	82	15	A	Certification First Name	HD8-050
9	CERT_MIDDLE_INITIAL	97	1	A	Certification Middle Initial	
10	CERT_LAST_NAME	98	15	A	Certification Last Name	HD8-060
11	NOTES	113	240	A	Notes	
<b>Total Record Length:</b>			<b>352</b>			

<sup>1</sup>The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

HD8 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
HD-000	Translator is not implementer of record for the Handler Module.	
HD8-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER4 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD8 must exist in HHANDLER4 or HD2
HD8-020	Certification Sequence Number must be greater than zero.	CERT_SEQ > 0
HD8-030	Certification Signed Date must be a valid date greater than or equal to January 1, 1980 and no later than today.	CERT_SIGNED_DATE >= '19800101' and CERT_SIGNED_DATE <= today
HD8-040	Certification Title must be provided.	CERT_TITLE <> ''
HD8-050	Certification First Name must be provided.	CERT_FIRST_NAME <> ''
HD8-060	Certification Last Name must be provided.	CERT_LAST_NAME <> ''

**FLAT FILE ID# - HD9**

Table Name: HSTATE\_ACTIVITY

CDX Staging Table Name: TR\_HD9

Description: Handler State Activity Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	HD9-010
3	SOURCE_TYPE <sup>1</sup>	14	1	A	Source Type	HD9-010
4	SEQ_NUMBER <sup>1</sup>	15	6	I	Handler Sequence Number	HD9-010
5	STATE_ACTIVITY_OWNER	21	2	A	State Activity Type Owner	HD9-030
6	STATE_ACTIVITY_TYPE <sup>1</sup>	23	5	A	State Activity Type	HD9-020
7	NOTES	28	2000	A	Notes	
<b>Total Record Length:</b>			<b>2027</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

HD9 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
HD-000	Translator is not implementer of record for the Handler Module.	
HD9-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER4 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD9 must exist in HHANDLER4 or HD2
HD9-020	State Activity Type must be a valid implementer defined value registered with the RCRAInfo database.	STATE_ACTIVITY_TYPE = implementer defined activity type in LU_STATE_ACTIVITY
HD9-030	State Activity Type Owner must equal the submitter's agency.	STATE_ACTIVITY_TYPE_OWNER = submitter's agency

**FLAT FILE ID# - HDB**

Table Name: HOTHER\_ID

CDX Staging Table Name: TR\_HDB

Description: Handler ID History Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	HDB-010
3	OTHER_ID <sup>1</sup>	14	12	A	Other Handler ID	HDB-020
4	RELATIONSHIP_OWNER	26	2	A	Relationship Owner	HDB-030
5	RELATIONSHIP	28	1	A	Relationship	HDB-040
6	SAME_FACILITY	29	1	A	Same Facility Indicator	HDB-050
7	NOTES	30	2000	A	Notes	
<b>Total Record Length:</b>			<b>2029</b>			

*If the Other\_ID created resides in HBASIC, then a “reverse” record will be created in HOTHER\_ID where the Other\_ID will become the Handler\_ID and the Handler\_ID will become the Other\_ID. The Relationship field will be set to “O” (Other) for these records.*

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<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

<b>HDB Flat File Edit Specifications</b>		
<b>Edit Number</b>	<b>Edit Description</b>	<b>Select Logic</b>
HD-000	Translator is not implementer of record for the Handler Module.	
HDB-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID must exist in HBASIC or HD1
HDB-020	Other ID must be provided.	OTHER_ID <> ' '
HDB-030	Relationship Owner must equal the submitter's agency or 'HQ'.	RELATIONSHIP_OWNER = submitter's agency or 'HQ'
HDB-040	Relationship must be a valid headquarter or implementer defined value registered with the RCRAInfo database	RELATIONSHIP = headquarter or implementer defined relationship in LU_RELATIONSHIP
HDB-050	Same Facility must equal 'U', 'Y', or 'N'	SAME_FACILITY = 'U' or 'Y' or 'N'

**FLAT FILE ID# - PM1**

Table Name: P SERIES4

CDX Staging Table Name: TR\_PM1

Description: Permit Series Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	PM1-010
3	SERIES_SEQ <sup>1</sup>	14	4	I	Series Sequence Number	PM1-020
4	SERIES_NAME	18	40	A	Series Name	PM1-030
5	RESPONSIBLE_PERSON_OWNER	58	2	A	EPA Responsible Person Owner	PM1-035, PM1-036
6	RESPONSIBLE_PERSON	60	5	A	EPA Responsible Person ID	PM1-040, PM1-036
13	NOTES	65	2000	A	Notes	
<b>Total Record Length:</b>			<b>2064</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

PM1 Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
PM1-000	Translator is not implementer of record for Permit Series Information for this agency.	
PM1-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in PM1 must exist in HBASIC or HD1
PM1-020	Series Sequence Number must be greater than zero.	SERIES_SEQ > 0
PM1-030	Series Name must be provided.	SERIES_NAME <> ' '
PM1-035	Responsible Person Owner must equal the submitter's agency or blank.	RESPONSIBLE_PERSON_OWNER = submitter's agency or ' '
PM1-036	If Responsible Person is provided then Responsible Person Owner must be provided. If Responsible Person Owner is provided then Responsible Person must be provided.	If RESPONSIBLE_PERSON <> ' ' Then RESPONSIBLE_PERSON_OWNER <> ' ' If RESPONSIBLE_PERSON_OWNER <> ' ' Then RESPONSIBLE_PERSON <> ' '
PM1-040	Responsible Person must be a valid implementer defined value registered with the RCRAInfo database or blank.	RESPONSIBLE_PERSON = implementer defined person identifier in LU_STAFF or ' '

**FLAT FILE ID# - PM2**

Table Name: PEVENT4

CDX Staging Table Name: TR\_PM2

Description: Permit Event Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	PM2-010
3	SERIES_SEQ <sup>1</sup>	14	4	I	Series Sequence Number	PM2-010
4	EVENT_OWNER <sup>1</sup>	18	2	A	Permit Event Code Owner	PM2-015
5	EVENT_CODE <sup>1</sup>	20	7	A	Permit Event Code	PM2-020
6	EVENT_AGENCY <sup>1</sup>	27	1	A	Permit Event Responsible Agency	PM2-030
7	EVENT_SEQ <sup>1</sup>	28	3	I	Event Sequence Number	PM2-040
8	ACTUAL_DATE	31	8	Date	Actual Date of Event	PM2-050, PM2-080
9	SCHEDULE_DATE_ORIG	39	8	Date	Original Scheduled Event Date	PM2-060, PM2-090
10	SCHEDULE_DATE_NEW	47	8	Date	New Scheduled Event Date	PM2-070
11	RESPONSIBLE_PERSON_OWNER	55	2	A	Event Responsible Person Owner	PM2-095, PM2-096
12	RESPONSIBLE_PERSON	57	5	A	Event Responsible Person ID	PM2-100, PM2-096
13	SUBORGANIZATION_OWNER	62	2	A	Event Responsible Suborganization Owner	PM2-105, PM2-106
14	SUBORGANIZATION	64	10	A	Event Responsible Suborganization	PM2-110, PM2-106

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - PM2**

Table Name: PEVENT4

CDX Staging Table Name: TR\_PM2

Description: Permit Event Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
15	NOTES	74	2000	A	Notes	
<b>Total Record Length:</b>			<b>2073</b>			

### PM2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
PM2-000	Translator is not implementer of record for Permit Event Information for this agency.	
PM2-010	Handler ID and Series Sequence Number must exist in P SERIES4 or PM1.	HANDLER_ID and SERIES_SEQ in PM2 must exist in P SERIES4 or PM1
PM2-015	Permit Event Code Owner must be equal to submitter's agency or 'HQ'.	EVENT_OWNER = submitter's agency or 'HQ'
PM2-020	Permit Event Code must be a valid nationally or implementer defined value registered with the RCRAInfo database.	EVENT_CODE = nationally or implementer defined permit event code in LU_PERMIT_EVENT_CODE
PM2-030	Permit Event Responsible Agency must equal 'E', 'S', or 'J'.	EVENT_AGENCY = 'E' or 'S' or 'J'
PM2-040	Event Sequence Number must be greater than zero.	EVENT_SEQ > 0
PM2-050	Actual Date must be a valid date greater than or equal to January 1, 1980 and no later than today, or blank.	(ACTUAL_DATE >= '19800101' and ACTUAL_DATE <= today) or ACTUAL_DATE = ''
PM2-060	Original Scheduled Event Date must be a valid date greater than or equal to May 18, 1980 or blank.	SCHEDULE_DATE_ORIG >= '19800518' or ''
PM2-070	New Scheduled Event Date must be a valid date greater than or equal to January 1, 1980 or blank.	SCHEDULE_DATE_NEW >= '19800101' or ''
PM2-080	If Original Scheduled Event Date is blank then Actual Date must be provided.	If SCHEDULE_DATE_ORIG = '' Then ACTUAL_DATE <> ''
PM2-090	If Actual Date is blank then Original Scheduled Event Date must be provided.	If ACTUAL_DATE = '' Then SCHEDULE_DATE_ORIG <> ''
PM2-095	Event Responsible Person Owner must be equal to the submitter's agency or blank.	RESPONSIBLE_PERSON_OWNER = submitter's agency or ''

### PM2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
PM2-096	<p>If Responsible Person is provided then Responsible Person Owner must be provided.</p> <p>If Responsible Person Owner is provided then Responsible Person must be provided.</p>	<p>If RESPONSIBLE_PERSON &lt;&gt; ‘ ‘ Then RESPONSIBLE_PERSON_OWNER &lt;&gt; ‘ ‘</p> <p>If RESPONSIBLE_PERSON_OWNER &lt;&gt; ‘ ‘ Then RESPONSIBLE_PERSON &lt;&gt; ‘ ‘</p>
PM2-100	Event Responsible Person must be a valid implementer defined value registered with the RCRAInfo database or blank.	RESPONSIBLE_PERSON = implementer defined person identifier in LU_STAFF or ‘ ’
PM2-105	Event Responsible Suborganization must be equal to the submitter’s agency or blank.	SUBORGANIZATION = submitter’s agency or ‘ ‘
PM2-106	<p>If Suborganization is provided then Suborganization Owner must be provided.</p> <p>If Suborganization Owner is provided then Suborganization must be provided.</p>	<p>If SUBORGANIZATION &lt;&gt; ‘ ‘ Then SUBORGANIZATION_OWNER &lt;&gt; ‘ ‘</p> <p>If SUBORGANIZATION_OWNER &lt;&gt; ‘ ‘ Then SUBORGANIZATION &lt;&gt; ‘ ‘</p>
PM2-110	Event Responsible Suborganization must be a valid implementer defined value registered with the RCRAInfo database or blank.	SUBORGANIZATION = implementer defined suborganization in LU_SUBORGANIZATION or ‘ ’

**FLAT FILE ID# - PM3**

Table Name: PUNIT4

CDX Staging Table Name: TR\_PM3

Description: Permit Unit Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	PM3-010
3	UNIT_SEQ <sup>1</sup>	14	4	I	Process Unit Sequence Number	PM3-020
4	UNIT_NAME	18	40	A	Process Unit Name	PM3-030
5	NOTES	58	2000	A	Notes	
<b>Total Record Length:</b>			<b>2057</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### PM3 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
PM3-000	Translator is not implementer of record for Permit Unit Information for this agency.	
PM3-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in PM3 must exist in HBASIC or HD1
PM3-020	Process Unit Sequence Number must be greater than zero.	UNIT_SEQ > 0
PM3-030	Process Unit Name must be provided.	UNIT_NAME <> ' '

**FLAT FILE ID# - PM4**

Table Name: PUNIT\_DETAIL4

CDX Staging Table Name: TR\_PM4

Description: Permit Unit Group Detail Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	PM4-010
3	UNIT_SEQ <sup>1</sup>	14	4	I	Process Unit Sequence Number	PM4-010
4	UNIT_DETAIL_SEQ <sup>1</sup>	18	3	I	Process Unit Detail Sequence Number	PM4-020
5	PROCESS_CODE_OWNER	21	2	A	Process Code Owner	PM4-025
6	PROCESS_CODE	23	3	A	Process Code	PM4-030
7	UOM_OWNER	26	2	A	Unit of Measure Owner	PM4-026
8	UOM_TYPE	28	1	A	Unit of Measure	PM4-030
9	EFFECTIVE_DATE	29	8	Date	Process Status Effective Date	PM4-040
10	CAPACITY	37	15	D14,3	Process Capacity	PM4-050
11	CAPACITY_TYPE	52	1	A	Capacity Type	PM4-060
12	NUMBER_OF_UNITS	53	7	I	Number of Units within Process Unit Group	PM4-070
13	COMMERCIAL_STATUS	60	1	A	Commercial Status	PM4-080

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - PM4**

Table Name: PUNIT\_DETAIL4

CDX Staging Table Name: TR\_PM4

Description: Permit Unit Group Detail Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
14	LEGAL_OPERATING_STATUS_OWNER	61	2	A	Legal/Operating Status Owner	PM4-085
15	LEGAL_OPERATING_STATUS	63	4	A	Legal/Operating Status	PM4-090
16	STANDARDIZED_PERMIT_IND	67	1	A	Standardized Permit Indicator	PM4-100
17	NOTES	68	2000	A	Notes	
<b>Total Record Length:</b>			<b>2067</b>			

### PM4 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
PM4-000	Translator is not implementer of record for Permit Unit Detail Information for this agency.	
PM4-010	Handler ID and Process Unit Sequence Number must exist in PUNIT4 or PM3.	HANDLER_ID and UNIT_SEQ in PM4 must exist in PUNIT4 or PM3
PM4-020	Process Unit Detail Sequence Number must be greater than zero.	UNIT_DETAIL_SEQ > 0
PM4-025	Process Code Owner must equal 'HQ'.	PROCESS_CODE_OWNER = 'HQ'
PM4-026	UOM Owner must equal 'HQ'.	UOM_OWNER must equal 'HQ'
PM4-030	Process Code / Unit of Measure must be a valid nationally defined value registered in the RCRAInfo database.	PROCESS_CODE = nationally defined process_code and UOM_TYPE = nationally defined unit of measure in LU_PROCESS_CODE
PM4-040	Process Status Effective Date must be greater than or equal to January 1, 1980 and no later than today.	EFFECTIVE_DATE >= '19800101' and EFFECTIVE_DATE <= today
PM4-050	Process Capacity must be greater than zero.	CAPACITY > 0
PM4-060	Capacity Type must equal 'D', 'O', 'P', or blank.	CAPACITY_TYPE = 'D' or 'O' or 'P' or ''
PM4-070	Number of Units must be greater than zero.	NUMBER_OF_UNITS > 0
PM4-080	Commercial Status must equal '0', '1', '2', or '3'.	COMMERCIAL_STATUS = '0' or '1' or '2' or '3'
PM4-085	Legal/Operating Status Owner must equal 'HQ'.	LEGAL_OPERATING_STATUS_OWNER = 'HQ'
PM4-090	Legal/Operating Status must be a valid nationally defined value registered in the RCRAInfo database.	LEGAL_OPERATING_STATUS = nationally defined legal/operating status code in LU_LEGAL_OPERATING_STATUS
PM4-100	Standardized Permit Indicator must equal 'Y' or 'N'.	STANDARDIZED_PERMIT_IND = 'Y' or 'N'

**FLAT FILE ID# - PM5**

Table Name: PLN\_EVENT\_UNIT\_DETAIL4

CDX Staging Table Name: TR\_PM5

Description: Linking Data for Permit Event and Unit Group Detail

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	PM5-010, PM5-020
3	SERIES_SEQ <sup>1</sup>	14	4	I	Series Sequence Number	PM5-010
4	EVENT_OWNER <sup>1</sup>	18	2	A	Permit Event Code Owner	PM5-010
5	EVENT_CODE <sup>1</sup>	20	7	A	Permit Event Code	PM5-010
6	EVENT_AGENCY <sup>1</sup>	27	1	A	Event Responsible Agency	PM5-010
7	EVENT_SEQ <sup>1</sup>	28	3	I	Event Sequence Number	PM5-010
8	UNIT_SEQ <sup>1</sup>	31	4	I	Process Unit Sequence Number	PM5-020
9	UNIT_DETAIL_SEQ <sup>1</sup>	35	3	I	Process Unit Detail Sequence Number	PM5-020
<b>Total Record Length:</b>			<b>37</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### PM5 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
PM5-010	Handler ID, Series Sequence Number, Permit Event Owner, Permit Event Code, Event Responsible Agency, and Event Sequence Number must exist in PEVENT4 or PM2.	HANDLER_ID, SERIES_SEQ, EVENT_OWNER, EVENT_CODE, EVENT_AGENCY, EVENT_SEQ in PM5 must exist in PEVENT4 or PM2
PM5-020	Handler ID, Process Unit Sequence Number, and Process Unit Detail Sequence Number must exist in PUNIT_DETAIL4 or PM4.	HANDLER_ID, UNIT_SEQ, and UNIT_DETAIL_SEQ in PM5 must exist in PUNIT_DETAIL4 or PM4

**FLAT FILE ID# - PM6**

Table Name: PLN\_UNIT\_DETAIL\_WASTE4

CDX Staging Table Name: TR\_PM6

Description: Linking Data for Permit Unit Detail and Waste Code

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	PM6-010
3	UNIT_SEQ <sup>1</sup>	14	4	I	Process Unit Sequence Number	PM6-010
4	UNIT_DETAIL_SEQ <sup>1</sup>	18	3	I	Process Unit Detail Sequence Number	PM6-010
5	WASTE_CODE_OWNER <sup>1</sup>	21	2	A	Waste Code Owner	PM6-020
6	WASTE_CODE <sup>1</sup>	23	6	A	Waste Code	PM6-020
<b>Total Record Length:</b>			<b>28</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### PM6 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
PM6-010	Handler ID, Process Unit Sequence Number, and Process Unit Detail Sequence Number must exist in PUNIT_DETAIL4 or PM4.	HANDLER_ID, UNIT_SEQ, and UNIT_DETAIL_SEQ in PM6 must exist in PUNIT_DETAIL4 or PM4
PM6-020	Waste Code Owner and Waste Code must exist in LU_WASTE_CODE.	WASTE_CODE_OWNER and WASTE_CODE in PM6 must exist in LU_WASTE_CODE.

**FLAT FILE ID# - PM7**

Table Name: PLN\_EVENT\_COMMITMENT4

CDX Staging Table Name: TR\_PM7

Description: Linking Data for Permit Event and Commitment

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	COM_LEAD <sup>1</sup>	2	2	A	Commitment Lead	PM7-010
3	COM_SEQ <sup>1</sup>	4	6	I	Commitment Sequence Number	PM7-010
4	HANDLER_ID <sup>1</sup>	10	12	A	EPA Handler ID	PM7-020
5	SERIES_SEQ <sup>1</sup>	22	4	I	Series Sequence Number	PM7-020
6	EVENT_OWNER <sup>1</sup>	26	2	A	Permit Event Code Owner	PM7-020
7	EVENT_CODE <sup>1</sup>	28	7	A	Permit Event Code	PM7-020
8	EVENT_AGENCY <sup>1</sup>	35	1	A	Event Responsible Agency	PM7-020
9	EVENT_SEQ <sup>1</sup>	36	3	I	Event Sequence Number	PM7-020
<b>Total Record Length:</b>			<b>38</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### PM7 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
PM7-010	Commitment Lead and Commitment Sequence Number must exist in COMMITMENT3.	COM_LEAD and COM_SEQ in PM7 must exist in COMMITMENT3
PM7-020	Handler ID, Series Sequence Number, Event Code Owner, Event Code, Event Responsible Agency, and Event Sequence Number must exist in PEVENT4 or PM2.	HANDLER_ID, SERIES_SEQ, EVENT_OWNER, EVENT_CODE, EVENT_AGENCY, and EVENT_SEQ must exist in PEVENT4 or PM2.

### FLAT FILE ID# - CA1

Table Name: AAREA4

CDX Staging Table Name: TR\_CA1

Description: Corrective Action Area Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CA1-010
3	AREA_SEQ <sup>1</sup>	14	4	I	Area Sequence Number	CA1-020
4	ENTIRE_FACILITY_IND	18	1	A	Area Facility-Wide Indicator	CA1-030, CA1-040
5	AREA_NAME	19	40	A	Area Name	CA1-050
6	AIR_RELEASE_IND	59	1	A	Air Release Indicator	CA1-060
7	GROUNDWATER_RELEASE_IND	60	1	A	Groundwater Release Indicator	CA1-070
8	SOIL_RELEASE_IND	61	1	A	Soil Release Indicator	CA1-080
9	SURFACE_WATER_RELEASE_IND	62	1	A	Surface Water Release Indicator	CA1-090
10	REGULATED_UNIT_IND	63	1	A	Regulated Unit Indicator	CA1-100
11	EPA_RESPONSIBLE_PERSON_OWNER	64	2	A	EPA Responsible Person Owner	CA1-105, CA1-106
12	EPA_RESPONSIBLE_PERSON	66	5	A	EPA Responsible Person ID	CA1-110, CA1-106
13	STATE_RESPONSIBLE_PERSON_OWNER	71	2	A	State Responsible Person Owner	CA1-115, CA1-116

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - CA1**

Table Name: AAREA4

CDX Staging Table Name: TR\_CA1

Description: Corrective Action Area Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
14	STATE_RESPONSIBLE_PERSON	73	5	A	State Responsible Person ID	CA1-120, CA1-116
15	NOTES	78	2000	A	Notes	
<b>Total Record Length:</b>			<b>2077</b>			

### CA1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA1-000	Translator is not implementer of record for Corrective Action Area Information for this agency.	
CA1-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in CA1 must exist in HBASIC or HD1
CA1-020	Area Sequence Number must be greater than zero.	AREA_SEQ > 0
CA1-030	Entire Facility Indicator must be 'Y' or 'N'.	ENTIRE_FACILITY_IND = 'Y' or 'N'
CA1-040	There cannot be more than one record for a facility where Entire Facility Indicator is equal to 'Y'.	If ENTIRE_FACILITY_IND = 'Y' Then there cannot be another record for the HANDLER_ID where ENTIRE_FACILITY_IND = 'Y'
CA1-050	Area Name must be provided.	AREA_NAME <> ' '
CA1-060	Air Release Indicator must be 'Y', 'N', or blank.	AIR_RELEASE_IND = 'Y' or 'N' or ' '
CA1-070	Groundwater Release Indicator must be 'Y', 'N', or blank.	GROUNDWATER_RELEASE_IND = 'Y' or 'N' or ' '
CA1-080	Soil Release Indicator must be 'Y', 'N', or blank.	SOIL_RELEASE_IND = 'Y' or 'N' or ' '
CA1-090	Surface Water Release Indicator must be 'Y', 'N', or blank.	SURFACE_WATER_RELEASE_IND = 'Y' or 'N' or ' '
CA1-100	Regulated Unit Indicator must be 'Y', 'N', or blank.	REGULATED_UNIT_IND = 'Y' or 'N' or ' '
CA1-105	EPA Responsible Person Owner must equal the submitter's agency or blank.	EPA_RESPONSIBLE_PERSON_OWNER = submitter's agency or ' '
CA1-106	If EPA Responsible Person is provided then EPA Responsible Person Owner must be provided.  If EPA Responsible Person Owner is provided then EPA Responsible Person must be provided.	If EPA_RESPONSIBLE_PERSON <> ' ' Then EPA_RESPONSIBLE_PERSON_OWNER <> ' '  If EPA_RESPONSIBLE_PERSON_OWNER <> ' ' Then EPA_RESPONSIBLE_PERSON <> ' '
CA1-110	EPA Responsible Person ID must be a valid implementer defined value registered with the RCRAInfo database or blank.	EPA_RESPONSIBLE_PERSON = implementer defined person identifier in LU_STAFF or ' '

### CA1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA1-115	State Responsible Person Owner must equal the submitter's agency or blank.	STATE_RESPONSIBLE_PERSON_OWNER = submitter's agency or ''
CA1-116	If State Responsible Person is provided then State Responsible Person Owner must be provided.  If State Responsible Person Owner is provided then State Responsible Person must be provided.	If STATE_RESPONSIBLE_PERSON <> '' Then STATE_RESPONSIBLE_PERSON_OWNER <> ''  If STATE_RESPONSIBLE_PERSON_OWNER <> '' Then STATE_RESPONSIBLE_PERSON <> ''
CA1-120	State Responsible Person must be a valid implementer defined value registered with the RCRAInfo database or blank.	STATE_RESPONSIBLE_PERSON = implementer defined person identifier in LU_STAFF or ''

**FLAT FILE ID# - CA2**

Table Name: AAUTHORITY4

CDX Staging Table Name: TR\_CA2

Description: Corrective Action Authority Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CA2-010, CA2-120
3	AUTHORITY_OWNER <sup>1</sup>	14	2	A	Authority Type Owner	CA2-015
4	AUTHORITY_TYPE <sup>1</sup>	16	1	A	Authority Type	CA2-020, CA2-120
5	AUTHORITY_AGENCY <sup>1</sup>	17	1	A	Responsible Agency	CA2-030. CA2-120
6	AUTHORITY_EFFECTIVE_DATE <sup>1</sup>	18	8	Date	Effective Date	CA2-040, CA2-120
7	ISSUE_DATE	26	8	Date	Issue Date	CA2-050
8	END_DATE	34	8	Date	End Date	CA2-060
9	REPOSITORY	42	1	A	Repository Established	CA2-070
10	LEAD_PROGRAM	43	1	A	Responsible Lead Program	CA2-080
11	SUBORGANIZATION_OWNER	44	2	A	Responsible Suborganization Owner	CA2-085, CA2-086
12	SUBORGANIZATION	46	10	A	Responsible Suborganization	CA2-090, CA2-086
13	RESPONSIBLE_PERSON_OWNER	56	2	A	Responsible Person Owner	CA2-095, CA2-096
14	RESPONSIBLE_PERSON	58	5	A	Responsible Person Identifier	CA2-100, CA2-096

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - CA2**

Table Name: AAUTHORITY4

CDX Staging Table Name: TR\_CA2

Description: Corrective Action Authority Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
15	NOTES	63	2000	A	Notes	
<b>Total Record Length:</b>			<b>2062</b>			

### CA2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA2-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in CA2 must exist in HBASIC or HD1
CA2-015	Authority Type Owner must equal 'HQ'.	AUTHORITY_OWNER = 'HQ'
CA2-020	Authority Type must be a valid nationally defined value registered with the RCRAInfo database.	AUTHORITY_TYPE = nationally defined authority type in LU_AUTHORITY
CA2-030	Authority Responsible Agency must equal 'E', 'S', or 'J'.	AUTHORITY_AGENCY = 'E' or 'S' or 'J'
CA2-040	Effective Date must be a valid date greater than or equal to October 1, 1980 and less than or equal to today.	AUTHORITY_EFFECTIVE_DATE >= '19801001' and AUTHORITY_EFFECTIVE_DATE <= Today
CA2-050	Issue Date must be a valid date less than or equal to the Effective Date or blank.	ISSUE_DATE <= AUTHORITY_EFFECTIVE_DATE or ''
CA2-060	End Date must be a valid date greater than or equal to the Effective Date or blank.	END_DATE >= AUTHORITY_EFFECTIVE_DATE or ''
CA2-070	Repository Established must equal '1', '2', '3', or blank.	REPOSITORY = '1' or '2' or '3' or ''
CA2-080	Responsible Lead Program must equal 'C', 'R', or blank.	LEAD_PROGRAM = 'C' or 'R' or ''
CA2-085	Suborganization Owner must equal the submitter's agency or blank.	SUBORGANIZATION_OWNER = submitter's agency or ''
CA2-086	If Suborganization is provided then Suborganization Owner must be provided.  If Suborganization Owner is provided then Suborganization must be provided.	If SUBORGANIZATION <> '' Then SUBORGANIZATION_OWNER <> ''  If SUBORGANIZATION_OWNER <> '' Then SUBORGANIZATION <> ''
CA2-090	Responsible Suborganization must be a valid implementer defined value registered with the RCRAInfo database or blank.	SUBORGANIZATION = implementer defined suborganization in LU_SUBORGANIZATION or ''

### CA2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA2-095	Responsible Person Owner must equal the submitter's agency or blank.	RESPONSIBLE_PERSON_OWNER = submitter's agency or ' '
CA2-096	If Responsible Person is provided then Responsible Person Owner must be provided. If Responsible Person Owner is provided then Responsible Person must be provided.	If RESPONSIBLE_PERSON <> ' ' Then RESPONSIBLE_PERSON_OWNER <> ' ' If RESPONSIBLE_PERSON_OWNER <> ' ' Then RESPONSIBLE_PERSON <> ' '
CA2-100	Responsible Person ID must be a valid implementer defined value registered with the RCRAInfo database or blank.	RESPONSIBLE_PERSON = implementer defined person identifier in LU_STAFF or ' '
CA2-120	At least one record must exist in ALN_AUTHORITY_CITATION4 or CA3.	HANDLER_ID, AUTHORITY_OWNER, AUTHORITY_TYPE, AUTHORITY_AGENCY, and AUTHORITY_EFFECTIVE_DATE in CA2 must exist in ALN_AUTHORITY_CITATION4 or CA3

**FLAT FILE ID# - CA3**

Table Name: ALN\_AUTHORITY\_CITATION4

CDX Staging Table Name: TR\_CA3

Description: Linking Data for Authority and Citation

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CA3-010
3	AUTHORITY_OWNER <sup>1</sup>	14	2	A	Authority Type Owner	CA3-010
4	AUTHORITY_TYPE <sup>1</sup>	16	1	A	Authority Type	CA3-010
5	AUTHORITY_AGENCY <sup>1</sup>	17	1	A	Authority Responsible Agency	CA3-010
6	AUTHORITY_EFFECTIVE_DATE <sup>1</sup>	18	8	Date	Authority Effective Date	CA3-010
7	STATUTORY_OWNER <sup>1</sup>	26	2	A	Statutory Citation Owner	CA3-020
8	STATUTORY_CITATION <sup>1</sup>	28	1	A	Statutory Citation	CA3-020
<b>Total Record Length:</b>			<b>28</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CA3 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA3-010	Handler ID, Authority Type Owner, Authority Type, Authority Responsible Agency, and Effective Date must exist in AAUTHORITY4 or CA2.	HANDLER_ID, AUTHORITY_TYPE_OWNER, AUTHORITY_TYPE, AUTHORITY_AGENCY, and AUTHORITY_EFFECTIVE_DATE in CA3 must exist in AAUTHORITY4 or CA2
CA3-020	Statutory Owner and Statutory Citation must exist in LU_STATUTORY_CITATION.	STATUTORY_OWNER and STATUTORY_CITATION in CA3 must exist in LU_STATUTORY_CITATION

### FLAT FILE ID# - CA4

Table Name: AEVENT4

CDX Staging Table Name: TR\_CA4

Description: Corrective Action Event Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CA4-010, CA4-110, CA4-120
3	EVENT_OWNER <sup>1</sup>	14	2	A	Corrective Action Event Code Owner	CA4-015, CA4-110, CA4-120
4	EVENT_CODE <sup>1</sup>	16	7	A	Corrective Action Event Code	CA4-020, CA4-110, CA4-120
5	EVENT_AGENCY <sup>1</sup>	23	1	A	Event Responsible Agency	CA4-030, CA4-110, CA4-120
6	EVENT_SEQ <sup>1</sup>	24	3	I	Event Sequence Number	CA4-040, CA4-110, CA4-120
7	ACTUAL_DATE	27	8	Date	Actual Date of Event	CA4-050, CA4-070
8	SCHEDULE_DATE_ORIG	35	8	Date	Original Scheduled Event Date	CA4-055, CA4-080
9	SCHEDULE_DATE_NEW	43	8	Date	New Scheduled Event Date	CA4-060
10	SUBORGANIZATION_OWNER	51	2	A	Event Responsible Suborganization Owner	CA4-085, CA4-086
11	SUBORGANIZATION	53	10	A	Event Responsible Suborganization	CA4-090, CA4-086
12	RESPONSIBLE_PERSON_OWNER	63	2	A	Event Responsible Person Owner	CA4-095, CA4-096

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - CA4**

Table Name: AEVENT4

CDX Staging Table Name: TR\_CA4

Description: Corrective Action Event Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
13	RESPONSIBLE_PERSON	65	5	A	Event Responsible Person ID	CA4-100, CA4-096
14	NOTES	70	2000	A	Notes	
<b>Total Record Length:</b>			<b>2069</b>			

### CA4 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA4-000	Translator is not implementer of record for Corrective Action Event Information for this agency.	
CA4-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in CA4 must exist in HBASIC or HD1
CA4-015	Corrective Action Event Code Owner must equal the submitter's agency or 'HQ'	EVENT_OWNER = submitter's agency or 'HQ'
CA4-020	Corrective Action Event Code must be a valid nationally or implementer defined value registered with the RCRAInfo database.	EVENT_CODE = nationally or implementer defined CA event code in LU_CA_EVENT
CA4-030	Event Responsible Agency must equal 'E', 'S', or 'J'.	EVENT_AGENCY = 'E' or 'S' or 'J'
CA4-040	Event Sequence Number must be greater than zero.	EVENT_SEQ > 0
CA4-050	Actual Date must be greater than or equal to October 1, 1980 and no later than today, or blank.	(ACTUAL_DATE >= '19801001' and ACTUAL_DATE <= today) or ACTUAL_DATE = ''
CA4-055	Original Scheduled Event Date must be a valid date greater than or equal to October 1, 1980 or blank.	SCHEDULE_DATE_ORIG >= '19801001' or ''
CA4-060	New Scheduled Event Date must be a valid date greater than or equal to October 1, 1980 or blank.	SCHEDULE_DATE_NEW >= '19801001' or ''
CA4-070	If Original Scheduled Event Date is blank then Actual Date must be provided.	If SCHEDULE_DATE_ORIG = '' Then ACTUAL_DATE <> ''
CA4-080	If Actual Date is blank then Original Scheduled Event Date must be provided.	If ACTUAL_DATE = '' Then SCHEDULE_DATE_ORIG <> ''
CA4-085	Suborganization Owner must equal the submitter's agency or blank.	SUBORGANIZATION_OWNER = submitter's agency or ''

### CA4 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA4-086	<p>If Suborganization is provided then Suborganization Owner must be provided.</p> <p>If Suborganization Owner is provided then Suborganization must be provided.</p>	<p>If SUBORGANIZATION &lt;&gt; ‘ ‘ Then SUBORGANIZATION_OWNER &lt;&gt; ‘ ‘</p> <p>If SUBORGANIZATION_OWNER &lt;&gt; ‘ ‘ Then SUBORGANIZATION &lt;&gt; ‘ ‘</p>
CA4-090	Event Responsible Suborganization must be a valid implementer defined value registered with the RCRAInfo database or blank.	SUBORGANIZATION = implementer defined suborganization in LU_SUBORGANIZATION or ‘ ’
CA4-095	Responsible Person Owner must equal the submitter’s agency or blank.	RESPONSIBLE_PERSON_OWNER = submitter’s agency or ‘ ‘
CA4-096	<p>If Responsible Person is provided then Responsible Person Owner must be provided.</p> <p>If Responsible Person Owner is provided then Responsible Person must be provided.</p>	<p>If RESPONSIBLE_PERSON &lt;&gt; ‘ ‘ Then RESPONSIBLE_PERSON_OWNER &lt;&gt; ‘ ‘</p> <p>If RESPONSIBLE_PERSON_OWNER &lt;&gt; ‘ ‘ Then RESPONSIBLE_PERSON &lt;&gt; ‘ ‘</p>
CA4-100	Event Responsible Person ID must be a valid implementer defined value registered with the RCRAInfo database or blank.	RESPONSIBLE_PERSON = implementer defined person identifier in LU_STAFF or ‘ ’
CA4-110	At least one record must exist in ALN_AREA_EVENT4 or CA5.	HANDLER_ID, EVENT_OWNER, EVENT_CODE, EVENT_AGENCY, and EVENT_SEQ in CA4 must exist in ALN_AREA_EVENT4 or CA5
CA4-120	At least one record must exist in ALN_EVENT_AUTHORITY4 or CA6.	HANDLER_ID, EVENT_OWNER, EVENT_CODE, EVENT_AGENCY, and EVENT_SEQ in CA4 must exist in ALN_EVENT_AUTHORITY4 or CA6

**FLAT FILE ID# - CA5**

Table Name: ALN\_AREA\_EVENT4

CDX Staging Table Name: TR\_CA5

Description: Linking Data for CA Event and CA Area

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CA5-010, CA5-020
3	AREA_SEQ <sup>1</sup>	14	4	I	Area Sequence Number	CA5-010
4	EVENT_OWNER <sup>1</sup>	18	2	A	Corrective Action Event Code Owner	CA5-020
5	EVENT_CODE <sup>1</sup>	20	7	A	Event Code	CA5-020
6	EVENT_AGENCY <sup>1</sup>	27	1	A	Event Responsible Agency	CA5-020
7	EVENT_SEQ <sup>1</sup>	28	3	I	Event Sequence Number	CA5-020
<b>Total Record Length:</b>			<b>30</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CA5 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA5-010	Handler ID and Area Sequence Number must exist in AAREA4 or CA1.	HANDLER_ID and AREA_SEQ in CA5 must exist in AAREA4 or CA1
CA5-020	Handler ID, Event Code Owner, Event Code, Event Responsible Agency, and Event Sequence Number must exist in AEVENT4 or CA4.	HANDLER_ID, EVENT_OWNER, EVENT_CODE, EVENT_AGENCY, and EVENT_SEQ in CA5 must exist in AEVENT4 or CA4

**FLAT FILE ID# - CA6**

Table Name: ALN\_EVENT\_AUTHORITY4

CDX Staging Table Name: TR\_CA6

Description: Linking Data for CA Event and CA Authority

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CA6-010, CA6-020
3	EVENT_OWNER <sup>1</sup>	14	2	A	Corrective Action Event Code Owner	CA6-010
4	EVENT_CODE <sup>1</sup>	16	7	A	Event Code	CA6-010
5	EVENT_AGENCY <sup>1</sup>	23	1	A	Event Responsible Agency	CA6-010
6	EVENT_SEQ <sup>1</sup>	24	3	I	Event Sequence Number	CA6-010
7	AUTHORITY_OWNER <sup>1</sup>	27	2	A	Authority Type Owner	CA6-020
8	AUTHORITY_TYPE <sup>1</sup>	29	1	A	Authority Type	CA6-020
9	AUTHORITY_AGENCY <sup>1</sup>	30	1	A	Authority Responsible Agency	CA6-020
10	AUTHORITY_EFFECTIVE_DATE <sup>1</sup>	31	8	Date	Authority Effective Date	CA6-020
<b>Total Record Length:</b>			<b>38</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CA6 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA6-010	Handler ID, Event Owner, Event Code, Event Responsible Agency, and Event Sequence Number must exist in AEVENT4 or CA4.	HANDLER_ID, EVENT_OWNER, EVENT_CODE, EVENT_AGENCY, and EVENT_SEQ in CA6 must exist in AEVENT4 or CA4
CA6-020	Handler ID, Authority Type Owner, Authority Type, Authority Responsible Agency, and Authority Effective Date must exist in AAUTHORITY4 or CA2.	HANDLER_ID, AUTHORITY_OWNER, AUTHORITY_TYPE, AUTHORITY_AGENCY, and AUTHORITY_EFFECTIVE_DATE in CA6 must exist in AAUTHORITY4 or CA2

**FLAT FILE ID# - CA7**

Table Name: ALN\_EVENT\_COMMITMENT4

CDX Staging Table Name: TR\_CA7

Description: Linking Data for Corrective Action Event and Commitment

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	COM_LEAD <sup>1</sup>	2	2	A	Commitment Lead	CA7-010
3	COM_SEQ <sup>1</sup>	4	6	I	Commitment Sequence Number	CA7-010
4	HANDLER_ID <sup>1</sup>	10	12	A	EPA Handler ID	CA7-020
5	EVENT_OWNER <sup>1</sup>	22	2	A	Corrective Action Event Code Owner	CA7-020
6	EVENT_CODE <sup>1</sup>	24	7	A	Event Code	CA7-020
7	EVENT_AGENCY <sup>1</sup>	31	1	A	Event Responsible Agency	CA7-020
8	EVENT_SEQ <sup>1</sup>	32	3	I	Event Sequence Number	CA7-020
<b>Total Record Length:</b>			<b>34</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CA7 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA7-010	Commitment Lead and Commitment Sequence Number must exist in Commitment3.	COM_LEAD and COM_SEQ must exist in COMMITMENT3
CA7-020	Handler ID, Event Owner, Event Code, Event Responsible Agency, and Event Sequence Number must exist in AEVENT4 or CA4.	HANDLER_ID, EVENT_OWNER, EVENT_CODE, EVENT_AGENCY, and EVENT_SEQ in CA6 must exist in AEVENT4 or CA4

**FLAT FILE ID# - CA8**

Table Name: ALN\_AREA\_UNIT4

CDX Staging Table Name: TR\_CA8

Description: Linking Data for Corrective Action Area and Permitting Unit

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	2	A	EPA Handler ID	CA8-010, CA8-020
3	AREA_SEQ <sup>1</sup>	4	3	I	Area Sequence Number	CA8-010
4	UNIT_SEQ <sup>1</sup>	7	4	A	Permit Unit Sequence Number	CA8-020
<b>Total Record Length:</b>			10			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CA8 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CA8-010	Handler ID and Area Sequence Number must exist in AAREA4 or CA1.	HANDLER_ID and AREA_SEQ must exist in AAREA4 or CA1
CA8-020	Handler ID and Unit Sequence Number must exist in PUNIT4 or PM3.	HANDLER_ID and UNIT_SEQ must exist in PUNIT4 or PM3

**FLAT FILE ID# - CE1**

Table Name: CEVALUATION3

CDX Staging Table Name: TR\_CE1

Description: Compliance Monitoring and Enforcement Evaluation Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CE1-010
3	EVAL_IDENTIFIER <sup>1</sup>	14	3	A	Evaluation Identifier	CE1-030
4	EVAL_START_DATE <sup>1</sup>	17	8	Date	Evaluation Start Date	CE1-020
5	EVAL_AGENCY <sup>1</sup>	25	1	A	Responsible Agency	CE1-040, CE1-210
6	DAY_ZERO	26	8	Date	Date of the Last Non-Followup Evaluation	CE1-060, CEI-065, CE1-070, CE1-080
7	FOUND_VIOLATION	34	1	A	Flag Indicating if a Violation was Found	CE1-050, CE1-110, CE1-120, CE1-125, CE1-130, CE1-200
8	EVAL_OWNER	35	2	A	Evaluation Type Owner	CE1-085
9	EVAL_TYPE	37	3	A	Evaluation Type	CE1-090, CE1-120, CE1-125, CE1-200, CE1-220, CE1-230, CE1-215
10	RESPONSIBLE_PERSON_OWNER	40	2	A	Responsible Person Owner	CE1-145, CE1-146

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - CE1**

Table Name: CEVALUATION3

CDX Staging Table Name: TR\_CE1

Description: Compliance Monitoring and Enforcement Evaluation Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
11	RESPONSIBLE_PERSON	42	5	A	Responsible Person	CE1-150, CE1-146
12	SUBORGANIZATION_OWNER	47	2	A	Suborganization Owner	CE1-135, CE1-136
13	SUBORGANIZATION	49	10	A	Responsible Suborganization	CE1-140, CE1-136
14	CITIZEN_COMPLAINT	59	1	A	The Inspection or Record Review was Initiated Because of a Tip/Complaint	CE1-160
15	MULTIMEDIA_INSPECTION	60	1	A	The Inspection or Record Review was Part of a Multimedia Inspection Activity	CE1-170
16	SAMPLING	61	1	A	The Inspection Conducted Included the Collection of Samples	CE1-180
17	NOT_SUBTITLE_C	62	1	A	The Inspection Conducted Pursuant to RCRA 3007 or State Equivalent; Determination Made: Site is Non-Hazardous Waste	CE1-190
18	FOCUS_AREA_OWNER	63	2	A	Focus Area Owner	CE1-215, CE1-231
19	FOCUS_AREA	65	3	A	Focus Area	CE1-220, CE1-230, CE1-231
20	NOTES	68	2000	A	Notes	

**FLAT FILE ID# - CE1**

Table Name: CEVALUATION3

CDX Staging Table Name: TR\_CE1

Description: Compliance Monitoring and Enforcement Evaluation Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
<b>Total Record Length:</b>			<b>2067</b>			

### CE1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE1-000	Translator is not implementer of record for Evaluation Information for this agency.	
CE1-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in CE1 must exist in HBASIC or HD1
CE1-020	Evaluation Start Date must be a valid date greater than or equal to January 1, 1980 and no later than today.	EVAL_START_DATE >= '19800101' and EVAL_START_DATE <= today
CE1-030	Evaluation Identifier must be provided.	EVAL_IDENTIFIER <> ' '
CE1-040	Responsible Agency must equal 'E', 'S', 'B', 'X', 'C', 'T', 'L', or 'N'	EVAL_AGENCY = 'E' or 'S' or 'B' or 'X' or 'C' or 'T' or 'L' or 'N'
CE1-050	If Responsible Agency is equal to 'X' or 'T' Then Found Violation must equal 'N'.	If EVAL_AGENCY = 'X' or 'T' Then FOUND_VIOLATION = 'N'
CE1-060	If Evaluation Type is not equal to 'CDI', 'FUI', 'CSE', 'SNN', or 'SNY', then Day Zero must equal the Evaluation Start Date.	If EVAL_TYPE <> 'CDI' and 'FUI' and 'CSE' and 'SNN' and 'SNY' Then DAY_ZERO = START_DATE
CE1-065	If Evaluation Type is equal to a follow-up evaluation ('CDI', 'FUI', or 'CSE') then Day Zero must be the date of a non-follow-up evaluation ('CEI', 'CAV', 'CAC', 'GME', 'FRR', 'FDS', 'NRR', 'OAM', 'FCI') by the same agency occurring on or before the follow-up evaluation.	If EVAL_TYPE = 'CDI' or 'FUI' or 'CSE' Then DAY_ZERO = START_DATE of Non-Follow-Up Evaluation ('CEI', 'CAV', 'CAC', 'GME', 'FRR', 'FDS', 'NRR', 'OAM', 'FCI') Where START_DATE of Non-Follow-Up Evaluation <= START_DATE of Follow-Up Evaluation and Agency of Non-Follow-Up Evaluation = Agency of Follow-Up Evaluation
CE1-070	If Evaluation Type is equal to 'SNY' then Day Zero must be a valid date greater than or equal to January 1, 1980 and no later than today.	If EVAL_TYPE = 'SNY' Then DAY_ZERO >= '19800101' and DAY_ZERO <= today
CE1-080	If Evaluation Type is equal to 'SNN' then Day Zero must be blank.	If EVAL_TYPE = 'SNN' Then DAY_ZERO = ' '
CE1-085	Evaluation Type Owner must equal 'HQ'	EVAL_OWNER = 'HQ'

### CE1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE1-090	Evaluation Type must be a valid nationally defined value registered with the RCRAInfo database.	EVAL_TYPE = nationally defined evaluation type in LU_EVALUATION_TYPE
CE1-110	Found Violation must equal 'Y', 'N', or 'U'	FOUND_VIOLATION = 'Y' or 'N' or 'U'
CE1-120	If Found Violation is equal to 'Y' and Evaluation Type is not equal to 'CAV' then there must be a least one corresponding record in CLN_EVALUATION_VIOLATION3 or file CE5.	If FOUND_VIOLATION = 'Y' and EVAL_TYPE <> 'CAV' Then HANDLER_ID, EVAL_IDENTIFIER, EVAL_START_DATE, and EVAL_AGENCY in CE1 must exist in CLN_EVALUATION_VIOLATION3 or CE5
CE1-125	If Found Violation is equal to 'Y' and Evaluation Type is equal to 'CAV' then there cannot be corresponding records in CLN_EVALUATION_VIOLATION3 or CE5.	If FOUND_VIOLATION = 'Y' and EVAL_TYPE = 'CAV' Then HANDLER_ID, EVAL_IDENTIFIER, EVAL_START_DATE, and EVAL_AGENCY in CE1 cannot exist in CLN_EVALUATION_VIOLATION3 or CE5
CE1-130	If Found Violation is equal to 'N' or 'U' then there cannot be corresponding records in CLN_EVALUATION_VIOLATION3 or CE5.	If FOUND_VIOLATION = 'N' or 'U' Then HANDLER_ID, EVAL_IDENTIFIER, EVAL_START_DATE, and EVAL_AGENCY in CE1 cannot exist in CLN_EVALUATION_VIOLATION3 or CE5
CE1-135	Responsible Suborganization Owner must equal the submitter's agency or blank.	SUBORGANIZATION_OWNER = submitter's agency or ' '
CE1-136	If Responsible Suborganization is provided then Responsible Suborganization Owner must be provided. If Responsible Suborganization Owner is provided then Responsible Suborganization must be provided.	If SUBORGANIZATION <> ' ' Then SUBORGANIZATION_OWNER <> ' ' If SUBORGANIZATION_OWNER <> ' ' Then SUBORGANIZATION <> ' '
CE1-140	Responsible Suborganization must be a valid implementer defined value registered with the RCRAInfo database or blank.	SUBORGANIZATION = implementer defined suborganization in LU_SUBORGANIZATION or ' '
CE1-145	Responsible Person Owner must equal the submitter's agency or blank.	RESPONSIBLE_PERSON_OWNER = submitter's agency or ' '

### CE1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE1-146	If Responsible Person is provided then Responsible Person Owner must be provided. If Responsible Person Owner is provided then Responsible Person must be provided.	If RESPONSIBLE_PERSON <> ' ' Then RESPONSIBLE_PERSON_OWNER <> ' ' If RESPONSIBLE_PERSON_OWNER <> ' ' Then RESPONSIBLE_PERSON <> ' '
CE1-150	Responsible Person must be a valid implementer defined value registered with the RCRAInfo database or blank.	RESPONSIBLE_PERSON = implementer defined person identifier in LU_STAFF or ' '
CE1-160	Citizen Complaint must equal 'Y' or 'N'.	CITIZEN_COMPLAINT = 'Y' or 'N'
CE1-170	Multimedia Inspection must equal 'Y' or 'N'.	MULTIMEDIA_INSPECTION = 'Y' or 'N'
CE1-180	Sampling must equal 'Y' or 'N'.	SAMPLING = 'Y' or 'N'
CE1-190	Not Subtitle C must equal 'Y' or 'N'.	NOT_SUBTITLE_C = 'Y' or 'N'
CE1-200	If Evaluation Type = 'CAV' then Found Violation must equal 'Y' or 'N'.	If EVAL_TYPE = 'CAV' Then FOUND_VIOLATION = 'Y' or 'N'
CE1-210	If Evaluation Type is equal to 'SNY' or 'SNN' then Agency must equal 'E' or 'S'	If EVAL_TYPE = 'SNY' or 'SNN' Then EVAL_AGENCY = 'E' or 'S'
CE1-215	If Evaluation Type is equal to 'FCI' Then Focus Area Owner must equal 'HQ' or submitter's agency. If Evaluation Type is not equal to 'FCI' then Focus Area Owner must be blank.	If EVAL_TYPE = 'FCI' Then FOCUS_AREA_OWNER = 'HQ' or submitter's agency If EVAL_TYPE <> 'FCI' Then FOCUS_AREA_OWNER = ' '
CE1-220	If Evaluation Type is equal to 'FCI' then Focus Area must be a valid nationally or implementer defined value registered with the RCRAInfo database.	If EVAL_TYPE = 'FCI' Then FOCUS_AREA = nationally defined or implementer defined focus area in LU_FOCUS_AREA
CE1-230	If Evaluation Type is not equal to 'FCI' then Focus Area must be blank.	If EVAL_TYPE <> 'FCI' Then FOCUS_AREA = ' '

### CE1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE1-231	If Focus Area is provided then Focus Area Owner must be provided. If Focus Area Owner is provided then Focus Area must be provided.	If FOCUS_AREA <> ' ' Then FOCUS_AREA_OWNER <> ' '  If FOCUS_AREA_OWNER <> ' ' Then FOCUS_AREA <> ' '
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• The use of CEVALUATION3 is mandatory.</li> </ul>		

**FLAT FILE ID# - CE2**

Table Name: CREQUEST3

CDX Staging Table Name: TR\_CE2

Description: Compliance Monitoring and Enforcement Request Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CE2-010, CE2-030
3	REQUEST_SEQ <sup>1</sup>	14	6	I	Request Sequence Number	CE2-020
4	EVAL_IDENTIFIER	20	3	A	Evaluation Identifier	CE2-030
5	EVAL_START_DATE	23	8	Date	Evaluation Start Date	CE2-030
6	EVAL_AGENCY	31	1	A	Evaluation Agency	CE2-030
7	DATE_OF_REQUEST	32	8	Date	Date of Request	CE2-040, CE2-056
8	DATE_RESPONSE_RECEIVED	40	8	Date	Date the Response was Received	CE2-050, CE2-055
9	AGENCY	48	1	A	Request Agency	CE2-060
10	NOTES	49	2000	A	Notes	
<b>Total Record Length:</b>			<b>2048</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CE2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE2-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in CE2 must exist in HBASIC or HD1
CE2-020	Request Sequence Number must be greater than zero.	REQUEST_SEQ > 0
CE2-030	If Handler ID, Evaluation Identifier, Evaluation Start Date, and Evaluation Agency are provided then a corresponding record must exist in CEVALUATION3 or CE1.	If HANDLER_ID <> '' and EVAL_IDENTIFIER <> '' and EVAL_START_DATE <> '' and EVAL_AGENCY <> '' Then HANDLER_ID, EVAL_IDENTIFIER, EVAL_START_DATE, and EVAL_AGENCY in CE2 must exist in CEVALUATION3 or CE1
CE2-040	Date of Request must be a valid date greater than January 1, 1980 and less than or equal to today, or blank.	(DATE_OF_REQUEST >= '19800101' and DATE_OF_REQUEST <= today) or DATE_OF_REQUEST = ''
CE2-050	Date Response Received must be on or after Date of Request (if provided) and less than or equal to today, or blank.	(DATE_RESPONSE_RECEIVED >= DATE_OF_REQUEST (If DATE_OF_REQUEST <> '' ) and DATE_RESPONSE_RECEIVED <= today) or DATE_RESPONSE_RECEIVED = ''
CE2-055	If Date of Request is not provided then Date Response Received must be provided.	If DATE_OF_REQUEST = '' Then DATE_RESPONSE_RECEIVED <> ''
CE2-056	If Date Response Received is not provided then Date of Request must be provided.	If DATE_RESPONSE_RECEIVED = '' Then DATE_OF_REQUEST <> ''
CE2-060	Request Agency must equal 'E', 'S', 'B', or 'C'	AGENCY = 'E' or 'S' or 'B' or 'C'
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• At a minimum, a request with a received date should be linked to a Non-Financial Record Review ('NRR') evaluation.</li> <li>• One evaluation can be linked to multiple requests.</li> <li>• The use of CREQUEST3 is optional.</li> </ul>		

**FLAT FILE ID# - CE3**

Table Name: CLN\_EVALUATION\_COMMITMENT3

CDX Staging Table Name: TR\_CE3

Description: Linking Data for Commitment and Evaluation

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	COM_LEAD <sup>1</sup>	2	2	A	Commitment Lead Location	CE3-010
3	COM_SEQ <sup>1</sup>	4	6	I	Commitment Sequence Number	CE3-010
4	EVAL_HANDLER_ID <sup>1</sup>	10	12	A	EPA Handler ID	CE3-020
5	EVAL_IDENTIFIER <sup>1</sup>	22	3	A	Evaluation Identifier	CE3-020
6	EVAL_START_DATE <sup>1</sup>	25	8	Date	Evaluation Start Date	CE3-020
7	EVAL_AGENCY <sup>1</sup>	33	1	A	Evaluation Agency	CE3-020
<b>Total Record Length:</b>			<b>33</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CE3 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE3-010	Commitment Lead Location and Commitment Sequence Number must exist in COMMITMENT3 or CEG.	COM_LEAD and COM_SEQ in CE3 must exist in COMMITMENT3 or CEG
CE3-020	Handler ID, Evaluation Identifier, Evaluation Start Date, and Evaluation Agency must exist in CEVALUATION3 or CE1.	HANDLER_ID, EVAL_IDENTIFIER, EVAL_START_DATE, and EVAL_AGENCY in CE3 must exist in CEVALUATION3 or CE1
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"><li>• The use of CLN_EVALUATION_COMMITMENT3 is optional.</li></ul>		

**FLAT FILE ID# - CE4**

Table Name: CVIOLATION3

CDX Staging Table Name: TR\_CE4

Description: Compliance Monitoring and Enforcement Violation Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CE4-010
3	VIOL_SEQ <sup>1</sup>	14	4	I	Violation Sequence Number	CE4-010, CE4-020
4	VIOL_DETERMINED_BY_AGENCY <sup>1</sup>	18	1	A	Agency Which Determined the Violation	CE4-010, CE4-030, CE4-035, CE4-037, CE4-100
5	VIOL_OWNER	19	2	A	Violation Type Owner	CE4-039
6	VIOL_TYPE	21	10	A	Violation Type	CE4-040
7	FORMER_CITATION	31	35	A	Former Citation	
8	DETERMINED_DATE	66	8	Date	Date Violation Was Determined	CE4-050
9	ACTUAL_RTC_DATE	74	8	Date	Actual Return to Compliance Date	CE4-060, CE4-080
10	RTC_QUALIFIER	82	1	A	Return to Compliance Qualifier	CE4-070, CE4-090

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - CE4**

Table Name: CVIOLATION3

CDX Staging Table Name: TR\_CE4

Description: Compliance Monitoring and Enforcement Violation Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
11	RESPONSIBLE_AGENCY	83	1	A	Violation Responsible Agency	CE4-100, CE4-110
12	NOTES	84	2000	A	Notes	
<b>Total Record Length:</b>			<b>2083</b>			

### CE4 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE4-000	Translator is not implementer of record for Violation Information for this agency.	
CE4-010	Handler ID, Violation Sequence Number, and Agency Which Determined the Violation must exist in CLN_EVALUATION_VIOLATION3 or CE5.	HANDLER_ID, VIOL_SEQ and VIOL_DETERMINED_BY_AGENCY in CE4 must exist in CLN_EVALUATION_VIOLATION3 or CE5
CE4-020	Violation Sequence Number must be provided.	VIOL_SEQ > 0
CE4-030	Agency Which Determined the Violation must be equal to 'E' or 'S'	VIOL_DETERMINED_BY_AGENCY = 'E' or 'S'
CE4-035	If Evaluation Agency is equal to 'S', 'L', or 'B' then Agency Which Determined the Violation must equal 'S'.	If EVAL_AGENCY (in CEVALUATION3 or CE1) = 'S' or 'L' or 'B' Then VIOL_DETERMINED_BY_AGENCY = 'S'
CE4-037	If Evaluation Agency is equal to 'E', 'N', or 'C' then Agency Which Determined the Violation must equal 'E'.	If EVAL_AGENCY (in CEVALUATION3 or CE1) = 'E' or 'N' or 'C' Then VIOL_DETERMINED_BY_AGENCY = 'E'
CE4-039	Violation Type Owner must equal 'HQ'	VIOL_OWNER = 'HQ'
CE4-040	Violation Type must be a nationally defined value registered with the RCRAInfo database.	VIOL_TYPE = nationally defined violation type in LU_VIOLATION_TYPE
CE4-050	The Date Determined must be greater than October 1, 1980 and less than or equal to today.	DATE_DETERMINED >= '01-OCT-1980' AND DATE_DETERMINED <= today
CE4-060	Actual Return to Compliance Date must be a valid date on or after Date Violation Was Determined and no later than today, or blank.	(ACTUAL_RTC_DATE >= DETERMINED_DATE and ACTUAL_RTC_DATE <= today) or ACTUAL_RTC_DATE = ''
CE4-070	Return to Compliance Qualifier must equal 'D', 'O', 'N', 'U' or blank.	RTC_QUALIFIER = 'D' or 'O' or 'N' or 'U' or ''

### CE4 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE4-080	If Return to Compliance Qualifier is provided then Actual Return to Compliance Date must be provided.	If RTC_QUALIFIER <> ' ' Then ACTUAL_RTC_DATE <> ' '
CE4-090	If Actual Return to Compliance Date is provided then Return to Compliance Qualifier must be provided.	If ACTUAL_RTC_DATE <> ' ' Then RTC_QUALIFIER <> ' '
CE4-100	If there is no corresponding 810 or 820 enforcement action in CENFORCEMENT3 or CE8 then Responsible Agency must equal the Agency Which Determined the Violation.	If ENF_TYPE (in CENFORCEMENT3 or CE8) <> '810' or '820' Then RESPONSIBLE_AGENCY = VIOL_DETERMINED_BY_AGENCY
CE4-110	If there is a corresponding 810 and/or 820 enforcement action in CENFORCEMENT3 or CE8 then Responsible Agency = 'E' if the most recent 810/820 action is an 810 and Responsible Agency = 'S' if the most recent 810/820 action is an 820.	If ENF_TYPE (in CENFORCEMENT3 or CE8) = '810' or '820' and the most recent ENF_TYPE = '810' Then RESPONSIBLE_AGENCY = 'E' If ENF_TYPE (in CENFORCEMENT3 or CE8) = '810' or '820' and the most recent ENF_TYPE = '820' Then RESPONSIBLE_AGENCY = 'S'
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• A violation may be linked to one or more Citation Type/Citation combination as long as they are registered with the RCRAInfo database.</li> <li>• The use of CVIOLATION3 is mandatory.</li> </ul>		

**FLAT FILE ID# - CE5**

Table Name: CLN\_EVALUATION\_VIOLATION3

CDX Staging Table Name: TR\_CE5

Description: Linking Data for Evaluation and Violation

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CE5-010, CE5-020, CE5-030
3	EVAL_IDENTIFIER <sup>1</sup>	14	3	A	Evaluation Identifier	CE5-010, CE5-030
4	EVAL_START_DATE <sup>1</sup>	17	8	Date	Evaluation Start Date	CE5-010, CE5-030
5	EVAL_AGENCY <sup>1</sup>	25	1	A	Evaluation Agency	CE5-010, CE5-030
6	VIOL_SEQ <sup>1</sup>	26	4	I	Violation Sequence Number	CE5-020
7	VIOL_DETERMINED_BY_AGENCY <sup>1</sup>	30	1	A	Agency Which Determined the Violation	CE5-020
<b>Total Record Length:</b>			<b>30</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CE5 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE5-010	Handler ID, Evaluation Identifier, Evaluation Start Date, and Evaluation Agency must exist in CEVALUATION3 or CE1.	HANDLER_ID, EVAL_IDENTIFIER, EVAL_START_DATE, and EVAL_AGENCY in CE5 must exist in CEVALUATION3 or CE1
CE5-020	Handler ID, Violation Sequence Number, and Agency Which Determined the Violation must exist in CVIOLATION3 or CE4.	HANDLER_ID, VIOL_SEQ, and VIOL_DETERMINED_BY_AGENCY in CE5 must exist in CVIOLATION3 or CE4
CE5-030	The Handler ID, Violation Sequence Number, and Agency must be linked to at least one evaluation where the Date Determined is greater than or equal to the Evaluation Start Date.	HANDLER_ID, EVAL_IDENTIFIER, EVAL_START_DATE, and EVAL_AGENCY in CE5 must exist in CEVALUATION3 or CE1 where the DATE_DETERMINED in CE4 or CVIOLATION3 >= EVAL_START_DATE.
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>The use of CLN_EVALUATION_VIOLATION3 is mandatory.</li> </ul>		

**FLAT FILE ID# - CE6**

Table Name: CCITATION3

CDX Staging Table Name: TR\_CE6

Description: Compliance Monitoring and Enforcement Citation Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	VIOL_HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CE6-010
3	VIOL_SEQ <sup>1</sup>	14	4	I	Violation Sequence Number	CE6-010
4	VIOL_DETERMINED_BY_AGENCY <sup>1</sup>	18	1	A	Agency Which Determined the Violation	CE6-010
5	CITATION_SEQ <sup>1</sup>	19	6	I	Citation Sequence Number	CE6-030
6	VIOL_OWNER	25	2	A	Violation Type Owner	CE6-020
6	VIOL_TYPE	27	10	A	Violation Type	CE6-020
6	CITATION_OWNER	37	2	A	Citation Owner	CE6-020
7	CITATION	39	35	A	Citation	CE6-020
8	CITATION_TYPE	74	2	A	Citation Type	CE6-020
9	NOTES	76	2000	A	Notes	
<b>Total Record Length:</b>			<b>2075</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CE6 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE6-010	Handler ID, Violation Sequence Number, and Agency Which Determined the Violation must exist in CVIOLATION3 or CE4.	HANDLER_ID, VIOL_SEQ, and VIOL_DETERMINED_BY_AGENCY in CE6 must exist in CVIOLATION3 or CE4
CE6-020	Violation Owner, Violation Type, Citation Owner, Citation, and Citation Type must exist in CLN_LU_VIOL_CITATION or CE7.	VIOL_OWNER, VIOL_TYPE, CITATION_OWNER, CITATION, and CITATION_TYPE in CE6 must exist in CLN_LU_VIOL_CITATION or CE7
CE6-030	Citation Sequence Number must be greater than zero.	CITATION_SEQ > 0
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• A Citation Type/Citation combination may be linked to more than one violation type.</li> <li>• The use of CCITATION3 is optional for States but mandatory for Regions.</li> </ul>		

**FLAT FILE ID# - CE8**

Table Name: CENFORCEMENT3

CDX Staging Table Name: TR\_CE8

Description: Compliance Monitoring and Enforcement Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CE8-010
3	ENF_IDENTIFIER <sup>1</sup>	14	3	A	Enforcement Identifier	CE8-060
4	ENF_ACTION_DATE <sup>1</sup>	17	8	Date	Enforcement Action Date	CE8-050
5	ENF_AGENCY <sup>1</sup>	25	1	A	Enforcement Agency	CE8-070
6	DOCKET_NUMBER	26	15	A	Docket Number	
7	ATTORNEY	41	5	A	Attorney	
8	CA_COMPONENT	46	1	A	Corrective Action Component Indicator	CE8-080
9	CAFO_SEQ	47	6	I	CA/FO Sequence Number	CE8-090
10	APPEAL_INITIATED_DATE	53	8	Date	Appeal Initiated Date	CE8-100
11	APPEAL_RESOLVED_DATE	61	8	Date	Appeal Resolved Date	CE8-110
12	DISPOSITION_STATUS_DATE	69	8	Date	Disposition Status Date	CE8-120, CE8-130, CE8-135, CE8-140

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - CE8**

Table Name: CENFORCEMENT3

CDX Staging Table Name: TR\_CE8

Description: Compliance Monitoring and Enforcement Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
13	DISPOSITION_STATUS_OWNER	77	2	A	Disposition Status Owner	CE8-125, CE8-135, CE8-140, CE8-150
14	DISPOSITION_STATUS	79	2	A	Disposition Status	CE8-130, CE8-135, CE8-140, CE8-150
15	ENF_OWNER	81	2	A	Enforcement Type Owner	CE8-015
16	ENF_TYPE	83	3	A	Enforcement Type	CE8-020, CE8-160
17	RESPONSIBLE_PERSON_OWNER	86	2	A	Responsible Person Owner	CE8-035, CE8-036
18	RESPONSIBLE_PERSON	88	5	A	Responsible Person ID	CE8-040, CE8-036
19	SUBORGANIZATION_OWNER	93	2	A	Responsible Suborganization Owner	CE8-025, CE8-026
20	SUBORGANIZATION	95	10	A	Responsible Suborganization	CE8-030, CE8-026
21	NOTES	105	2000	A	Notes	
<b>Total Record Length:</b>			<b>2104</b>			

### CE8 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE8-000	Translator is not implementer of record for Enforcement Information for this agency.	
CE8-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID must exist in HBASIC or HD1
CE8-015	Enforcement Type Owner must equal 'HQ' or the submitter's agency.	ENF_OWNER = 'HQ' or submitter's agency
CE8-020	Enforcement Type must be a valid nationally or implementer defined value registered with the RCRAInfo database.	ENF_TYPE = nationally or implementer defined enforcement type in LU_ENFORCEMENT_TYPE
CE8-025	Suborganization Owner must equal the submitter's agency or blank.	SUBORGANIZATION_OWNER = submitter's agency or ''
CE8-026	If Suborganization is provided then Suborganization Owner must be provided. If Suborganization Owner is provided then Suborganization must be provided.	If SUBORGANIZATION <> '' Then SUBORGANIZATION_OWNER <> '' If SUBORGANIZATION_OWNER <> '' Then SUBORGANIZATION <> ''
CE8-030	Responsible Suborganization must be a valid implementer defined value registered with the RCRAInfo database or blank.	SUBORGANIZATION = implementer defined suborganization in LU_SUBORGANIZATION or ''
CE8-035	Responsible Person Owner must equal the submitter's agency or blank.	RESPONSIBLE_PERSON_OWNER = submitter's agency or ''
CE8-036	If Responsible Person is provided then Responsible Person Owner must be provided. If Responsible Person Owner is provided then Responsible Person must be provided.	If RESPONSIBLE_PERSON <> '' Then RESPONSIBLE_PERSON_OWNER <> '' If RESPONSIBLE_PERSON_OWNER <> '' Then RESPONSIBLE_PERSON <> ''
CE8-040	Responsible Person must be a valid implementer defined value registered with the RCRAInfo database or blank.	RESPONSIBLE_PERSON = implementer defined person identifier in LU_STAFF or ''

### CE8 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE8-050	Enforcement Action Date must be a valid date greater than or equal to most recent Violation Determined Date that this enforcement is linked to and no later than today.	ENF_ACTION_DATE >= DETERMINED_DATE (in CVIOLATION3 or CE4) and ENF_ACTION_DATE <= today
CE8-060	Enforcement Identifier must be provided.	ENF_IDENTIFIER <> ''
CE8-070	Enforcement Agency must equal 'E' or 'S'.	ENF_AGENCY = 'E' or 'S'
CE8-080	Corrective Action Component Indicator must equal 'Y' or 'N'.	CA_COMPONENT = 'Y' or 'N'
CE8-090	If Enforcement Type equals '380' then CA/FO Sequence Number must be a valid implementer defined value registered with the RCRAInfo database. If Enforcement Type does not equal '380' then CA/FO Sequence Number must equal blank.	If ENF_TYPE = '380' Then CAFO_SEQ = implementer defined CA/FO sequence in LU_CAFO If ENF_TYPE <> '380' Then CAFO_SEQ = ''
CE8-100	Appeal Initiated Date must be a valid date on or after the Enforcement Action Date and no later than today, or blank.	(APPEAL_INITIATED_DATE >= ENF_ACTION_DATE and APPEAL_INITIATED_DATE <= today) or APPEAL_INITIATED_DATE = ''
CE8-110	Appeal Resolved Date must be a valid date on or after the Appeal Initiated Date and no later than today, or blank.	(APPEAL_RESOLVED_DATE >= APPEAL_INITIATED_DATE and APPEAL_RESOLVED_DATE <= today) or APPEAL_RESOLVED_DATE = ''
CE8-120	Disposition Status Date must be a valid date on or after the Enforcement Action Date and no later than today, or blank.	(DISPOSITION_STATUS_DATE >= ENF_ACTION_DATE and DISPOSITION_STATUS_DATE <= today) or DISPOSITION_STATUS_DATE = ''
CE8-125	Disposition Status Owner must equal 'HQ'.	DISPOSITION_STATUS_OWNER = 'HQ'
CE8-130	Disposition Status must be a valid nationally defined value registered with the RCRAInfo database or blank.	DISPOSITION_STATUS = nationally defined disposition status in LU_DISPOSITION_STATUS or ''

### CE8 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE8-135	If Disposition Status Owner is provided then Disposition Status and Disposition Status Date must be provided.	If DISPOSITION_STATUS_OWNER <> ' ' Then DISPOSITION_STATUS <> ' ' and DISPOSITION_STATUS_DATE <> ' '
CE8-140	If Disposition Status is provided then Disposition Status Owner and Disposition Status Date must be provided.	If DISPOSITION_STATUS <> ' ' Then DISPOSITION_STATUS_OWNER <> ' ' and DISPOSITION_STATUS_DATE <> ' '
CE8-150	If Disposition Status Date is provided then Disposition Status Owner and Disposition Status must be provided.	If DISPOSITION_STATUS_DATE <> ' ' Then DISPOSITION_STATUS_OWNER <> ' ' and DISPOSITION_STATUS <> ' '
CE8-160	Enforcement Types 100-199 and 800-899 cannot impose a penalty.	If ENF_TYPE >= '100' and <= '199' or ENF_TYPE >= '800' and <= '899' Then no record in CPENALTY3 or CEE.
Additional Business Rules and Guidance		
<ul style="list-style-type: none"> <li>The use of CENFORCEMENT3 is mandatory.</li> </ul>		

**FLAT FILE ID# - CE9**

Table Name: CLN\_VIOLATION\_ENFORCEMENT3

CDX Staging Table Name: TR\_CE9

Description: Linking Data for Violation and Enforcement

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CE9-010, CE9-020
3	VIOL_SEQ <sup>1</sup>	14	4	I	Violation Sequence Number	CE9-010
4	VIOL_DETERMINED_BY_AGENCY <sup>1</sup>	18	1	A	Agency Which Determined Violation	CE9-010
5	ENF_IDENTIFIER <sup>1</sup>	19	3	A	Enforcement Identifier	CE9-020
6	ENF_ACTION_DATE <sup>1</sup>	22	8	Date	Enforcement Action Date	CE9-020
7	ENF_AGENCY <sup>1</sup>	30	1	A	Enforcement Agency	CE9-020
8	SCHEDULED_COMPLIANCE_DATE	31	8	Date	Scheduled Compliance Date	CE9-030
<b>Total Record Length:</b>			<b>38</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CE9 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CE9-010	Handler ID, Violation Sequence Number, and Agency Which Determined Violation must exist in CVIOLATION3 or CE4.	HANDLER_ID, VIOL_SEQ and VIOL_DETERMINED_BY_AGENCY in CE9 must exist in CVIOLATION3 or CE4
CE9-020	Handler ID, Enforcement Identifier, Enforcement Action Date, and Enforcement Agency must exist in CENFORCEMENT3 or CE8.	HANDLER_ID, ENF_IDENTIFIER, ENF_ACTION_DATE, and ENF_AGENCY in CE9 must exist in CENFORCEMENT3 or CE8
CE9-030	Scheduled Compliance Date must be a valid date greater than or equal to Enforcement Action Date or blank.	SCHEDULED_COMPLIANCE_DATE >= ENF_ACTION_DATE or SCHEDULED_COMPLIANCE_DATE = ''
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• The use of CLN_VIOLATION_ENFORCEMENT3 is mandatory.</li> </ul>		

**FLAT FILE ID# - CEA**

Table Name: CMEDIA3

CDX Staging Table Name: TR\_CEA

Description: Compliance Monitoring and Enforcement Multimedia Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CEA-010
3	ENF_IDENTIFIER <sup>1</sup>	14	3	A	Enforcement Identifier	CEA-010
4	ENF_ACTION_DATE <sup>1</sup>	17	8	Date	Enforcement Action Date	CEA-010
5	ENF_AGENCY <sup>1</sup>	25	1	A	Enforcement Agency	CEA-010
6	MEDIA_OWNER	26	2	A	Multimedia Type Owner	CEA-015
7	MEDIA_TYPE	28	3	A	Multimedia Type	CEA-020
8	NOTES	31	2000	A	Notes	
<b>Total Record Length:</b>			<b>2039</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CEA Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CEA-010	Handler ID, Enforcement Identifier, Enforcement Action Date, and Enforcement Agency must exist in CENFORCEMENT3 or CE8.	HANDLER_ID, ENF_IDENTIFIER, ENF_ACTION_DATE, and ENF_AGENCY in CEA must exist in CENFORCEMENT3 or CE8
CEA-015	Multimedia Type Owner must equal 'HQ'.	MEDIA_OWNER = 'HQ'
CEA-020	Multimedia Type must be a valid nationally defined value registered with the RCRAInfo database.	MEDIA_TYPE = nationally defined media type in LU_MEDIA_TYPE
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• The use of CMEDIA3 is optional.</li> </ul>		

**FLAT FILE ID# - CEB**

Table Name: CSEP3

CDX Staging Table Name: TR\_CEB

Description: Compliance Monitoring and Enforcement Supplemental Environmental Project Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CEB-010
3	ENF_IDENTIFIER <sup>1</sup>	14	3	A	Enforcement Identifier	CEB-010
4	ENF_ACTION_DATE <sup>1</sup>	17	8	Date	Enforcement Action Date	CEB-010
5	ENF_AGENCY <sup>1</sup>	25	1	A	Enforcement Agency	CEB-010
6	SEP_SEQ <sup>1</sup>	26	2	I	SEP Sequence Number	CEB-020
7	EXPENDITURE_AMOUNT	28	13	D12,2	Expenditure Amount	CEB-090, CEB-100
8	SCHEDULED_COMPLETION_DATE	41	8	Date	SEP Scheduled Completion Date	CEB-040, CEB-060 CEB-070, CEB-080
9	ACTUAL_COMPLETION_DATE	49	8	Date	SEP Actual Completion Date	CEB-050, CEB-060, CEB-110
10	DEFAULTED_DATE	57	8	Date	Date the SEP Defaulted	CEB-080, CEB-100, CEB-110, CEB-120
11	SEP_OWNER	65	2	A	SEP Type Owner	CEB-025

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - CEB**

Table Name: CSEP3

CDX Staging Table Name: TR\_CEB

Description: Compliance Monitoring and Enforcement Supplemental Environmental Project Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
12	SEP_TYPE	67	3	A	SEP Type	CEB-030
13	NOTES	70	2000	A	Notes	
<b>Total Record Length:</b>			<b>2069</b>			

### CEB Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CEB-010	Handler ID, Enforcement Identifier, Enforcement Action Date, and Enforcement Agency must exist in CENFORCEMENT3 or CE8.	HANDLER_ID, ENF_IDENTIFIER, ENF_ACTION_DATE, and ENF_AGENCY in CEB must exist in CENFORCEMENT3 or CE8
CEB-020	SEP Sequence Number must be greater than zero.	SEP_SEQ > 0
CEB-025	SEP Type Owner must equal 'HQ' or submitter's agency.	SEP_OWNER = 'HQ' or submitter's agency
CEB-030	SEP Type must be a valid nationally or implementer defined value registered with the RCRAInfo database.	SEP_TYPE = nationally or implementer defined SEP type in LU_SEP_TYPE
CEB-040	SEP Scheduled Completion Date must be a valid date greater than or equal to the Enforcement Action Date or blank.	SCHEDULED_COMPLETION_DATE >= ENF_ACTION_DATE or SCHEDULED_COMPLETION_DATE = ''
CEB-050	SEP Actual Completion Date must be a valid date greater than or equal to the Enforcement Action Date and no later than today, or blank.	(ACTUAL_COMPLETION_DATE >= ENF_ACTION_DATE and ACTUAL_COMPLETION_DATE <= today) or ACTUAL_COMPLETION_DATE = ''
CEB-060	If SEP Scheduled Completion Date is not provided then SEP Actual Completion Date must be provided.	If SCHEDULED_COMPLETION_DATE = '' Then ACTUAL_COMPLETION_DATE <> ''
CEB-070	If SEP Actual Completion Date is not provided then SEP Scheduled Completion Date must be provided.	If ACTUAL_COMPLETION_DATE = '' Then SCHEDULED_COMPLETION_DATE <> ''
CEB-080	Date the SEP Defaulted Date must be a valid date greater than the SEP Scheduled Completion Date and no later than today, or blank.	(DEFAULTED_DATE > SCHEDULED_COMPLETION_DATE and DEFAULTED_DATE <= today) or DEFAULTED_DATE = ''
CEB-090	Expenditure Amount must be greater than zero or blank.	EXPENDITURE_AMOUNT > 0 or ''

### CEB Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CEB-100	If SEP Actual Completion Date or SEP Defaulted Date is provided then Expenditure Amount must be greater than zero.	If ACTUAL_COMPLETION_DATE <> ' ' or DEFAULTED_DATE <> ' ' Then EXPENDITURE_AMOUNT > 0
CEB-110	If Expenditure Amount greater than zero then SEP Actual Completion Date or SEP Defaulted Date must be provided.	If EXPENDITURE_AMOUNT > 0 Then ACTUAL_COMPLETION_DATE <> ' ' or DEFAULTED_DATE <> ' ' ,
CEB-120	If SEP Defaulted Date is provided then SEP Actual Completion Date must be blank.	If DEFAULTED_DATE <> ' ' Then ACTUAL_COMPLETION_DATE = ' '
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>The use of CSEP3 is mandatory.</li> </ul>		

**FLAT FILE ID# - CEC**

Table Name: CSNY\_DATE3

CDX Staging Table Name: TR\_CEC

Description: Compliance Monitoring and Enforcement Significant Non-Complier Date Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CEC-010
3	ENF_IDENTIFIER <sup>1</sup>	14	3	A	Enforcement Identifier	CEC-010
4	ENF_ACTION_DATE <sup>1</sup>	17	8	Date	Enforcement Action Date	CEC-010
5	ENF_AGENCY <sup>1</sup>	25	1	A	Enforcement Agency	CEC-010
6	SNY_DATE <sup>1</sup>	26	8	Date	Date of the SNY that the Action is Addressing	CEC-020
<b>Total Record Length:</b>			<b>33</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

CEC Flat File Edit Specifications		
Edit Number	Edit Description	Select Logic
CEC-010	Handler ID, Enforcement Identifier, Enforcement Action Date, and Enforcement Agency must exist in CENFORCEMENT3 or CE8.	HANDLER_ID, ENF_IDENTIFIER, ENF_ACTION_DATE, and ENF_AGENCY in CEC must exist in CENFORCEMENT3 or CE8
CEC-020	Date of the SNY that the Action is Addressing must be a valid date associated with an SNY evaluation associated with this agency and must occur before or on the Enforcement Action Date	SNY_DATE = EVAL_START_DATE (in CEVALUATION3 or CE1) of an SNY evaluation where ENF_AGENCY = EVAL_AGENCY (in CEVALUATION3 or CE1) and SNY_DATE <= ENF_ACTION_DATE
Additional Business Rules and Guidance		
<ul style="list-style-type: none"> <li>The use of CSNY_DATE3 is mandatory.</li> </ul>		

**FLAT FILE ID# - CED**

Table Name: CMILESTONE3

CDX Staging Table Name: TR\_CED

Description: Compliance Monitoring and Enforcement Milestone Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CED-010
3	ENF_IDENTIFIER <sup>1</sup>	14	3	A	Enforcement Identifier	CED-010
4	ENF_ACTION_DATE <sup>1</sup>	17	8	Date	Enforcement Action Date	CED-010
5	ENF_AGENCY <sup>1</sup>	25	1	A	Enforcement Agency	CED-010
6	MILESTONE_SEQ <sup>1</sup>	26	6	I	Milestone Sequence Number	CED-020
7	TECHNICAL_REQUIREMENT_NUMBER	32	50	A	Technical Requirement Number	CED-030
8	TECHNICAL_REQUIREMENT_DESC	82	200	A	Technical Requirement Description	CED-040
9	SCHEDULED_COMPLETION_DATE	282	8	Date	Milestone Scheduled Completion Date	CED-050, CED-070, CED-080, CED-090
10	ACTUAL_COMPLETION_DATE	290	8	Date	Milestone Actual Completion Date	CED-060, CED-070, CED-100

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - CED**

Table Name: CMILESTONE3

CDX Staging Table Name: TR\_CED

Description: Compliance Monitoring and Enforcement Milestone Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
11	DEFAULTED_DATE	298	8	Date	Milestone Defaulted Date	CED-090, CED-100
12	NOTES	306	2000	A	Notes	
<b>Total Record Length:</b>			<b>2305</b>			

### CED Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CED-010	Handler ID, Enforcement Identifier, Enforcement Action Date, and Enforcement Agency must exist in CENFORCEMENT3 or CE8.	HANDLER_ID, ENF_IDENTIFIER, ENF_ACTION_DATE, and ENF_AGENCY in CED must exist in CENFORCEMENT3 or CE8
CED-020	Milestone Sequence Number must be greater than zero.	MILESTONE_SEQ > 0
CED-030	Technical Requirement Number must be provided.	TECHNICAL_REQUIREMENT_NUMBER <> ''
CED-040	Technical Requirement Description must be provided.	TECHNICAL_REQUIREMENT_DESC <> ''
CED-050	Milestone Scheduled Completion Date must be a valid date greater than or equal to the Enforcement Action, or blank.	SCHEDULED_COMPLETION_DATE >= ENF_ACTION_DATE or SCHEDULED_COMPLETION_DATE = ''
CED-060	Milestone Actual Completion Date must be a valid date greater than or equal to the Enforcement Action Date and no later than today, or blank.	(ACTUAL_COMPLETION_DATE >= ENF_ACTION_DATE and ACTUAL_COMPLETION_DATE <= today) or ACTUAL_COMPLETION_DATE = ''
CED-070	If Milestone Scheduled Completion Date is not provided then Milestone Actual Completion Date must be provided.	If SCHEDULED_COMPLETION_DATE = '' Then ACTUAL_COMPLETION_DATE <> ''
CED-080	If Milestone Actual Completion Date is not provided then Milestone Scheduled Completion Date must be provided.	If ACTUAL_COMPLETION_DATE = '' Then SCHEDULED_COMPLETION_DATE <> ''

### CED Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CED-090	Milestone Defaulted Date must be a valid date greater than the Milestone Schedule Completion Date and no later than today, or blank.	(DEFAULTED_DATE >= SCHEDULED_COMPLETION_DATE and DEFAULTED_DATE <= today) or DEFAULTED_DATE = ''
CED-100	If Milestone Defaulted Date is provided then Milestone Actual Completion Date must be blank.	If DEFAULTED_DATE <> '' Then ACTUAL_COMPLETION_DATE = ''
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• The use of CMILESTONE3 is optional.</li> </ul>		

**FLAT FILE ID# - CEE**

Table Name: CPENALTY3

CDX Staging Table Name: TR\_CEE

Description: Compliance Monitoring and Enforcement Penalty Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CEE-010, CEE-035
3	ENF_IDENTIFIER <sup>1</sup>	14	3	A	Enforcement Identifier	CEE-010
4	ENF_ACTION_DATE <sup>1</sup>	17	8	Date	Enforcement Action Date	CEE-010
5	ENF_AGENCY <sup>1</sup>	25	1	A	Enforcement Agency	CEE-010
6	PENALTY_OWNER <sup>1</sup>	26	2	A	Penalty Type Owner	CEE-015
7	PENALTY_TYPE <sup>1</sup>	28	3	A	Penalty Type	CEE-020, CEE-040, CEE-050, CEE-060, CEE-070, CEE-080, CEE-090, CEE-100
8	AMOUNT	31	13	D12,2	Penalty Amount	CEE-030
9	NOTES	44	2000	A	Notes	CEE-100
<b>Total Record Length:</b>			<b>2043</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### CEE Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CEE-010	Handler ID, Enforcement Identifier, Enforcement Action Date, and Enforcement Agency must exist in CENFORCEMENT3 or CE8.	HANDLER_ID, ENF_IDENTIFIER, ENF_ACTION_DATE, and ENF_AGENCY in CEE must exist in CENFORCEMENT3 or CE8
CEE-015	Penalty Type Owner must equal 'HQ'.	PENALTY_OWNER = 'HQ'
CEE-020	Penalty Type must be a valid nationally defined value registered with the RCRAInfo database.	PENALTY_TYPE = nationally defined penalty type in LU_PENALTY_TYPE
CEE-030	If Penalty Type = 'ZAP' or 'USM' then Penalty Amount must equal zero. If Penalty Type <> 'ZAP' or 'USM' then penalty amount must be greater than zero.	If PENALTY_TYPE = 'ZAP' or 'USM' Then AMOUNT = 0 If PENALTY_TYPE <> 'ZAP' or 'USM' Then AMOUNT > 0
CEE-035	Enforcement Types 100-199 and 800-899 cannot impose a penalty.	If ENF_TYPE (in CENFORCEMENT3 or CE8) >= '100' and <= '199' or ENF_TYPE (in CENFORCEMENT3 or CE8) >= '800' and <= '899' Then no record in CPENALTY3 or CEE.
CEE-040	Enforcement Types 200 - 299 can only impose a 'PMP', 'FMP', 'FSC', 'SCR', 'USM', or 'ZAP' penalty type.	If ENF_TYPE (in CENFORCEMENT3 or CE8) >= '200' and <= '299' Then PENALTY_TYPE = 'PMP' or 'FMP' or 'FSC' or 'SCR' or 'USM' or 'ZAP'
CEE-050	Enforcement Types 300 - 399 can only impose a 'PMP', 'FMP', 'FSC', 'SCR', 'USM', or 'ZAP' penalty type.	If ENF_TYPE (in CENFORCEMENT3 or CE8) >= '300' and <= '399' Then PENALTY_TYPE = 'PMP' or 'FMP' or 'FSC' or 'SCR' or 'USM' or 'ZAP'
CEE-060	Enforcement Types 400 - 499 can only impose a 'PMP', 'USM', or 'ZAP' penalty type.	If ENF_TYPE (in CENFORCEMENT3 or CE8) >= '400' and <= '499' Then PENALTY_TYPE = 'PMP' or 'USM' or 'ZAP'
CEE-070	Enforcement Types 500 - 599 can only impose a 'PMP', 'FMP', 'FSC', 'SCR', 'USM', or 'ZAP' penalty type.	If ENF_TYPE (in CENFORCEMENT3 or CE8) >= '500' and <= '599' Then PENALTY_TYPE = 'PMP' or 'FMP' or 'FSC' or 'SCR' or 'USM' or 'ZAP'

### CEE Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CEE-080	Enforcement Types 600 - 699 can only impose a 'PMP', 'FMP', 'FSC', 'SCR', 'USM', or 'ZAP' penalty type.	If ENF_TYPE (in CENFORCEMENT3 or CE8) >= '600' and <= '699' Then PENALTY_TYPE = 'PMP' or 'FMP' or 'FSC' or 'SCR' or 'USM' or 'ZAP'
CEE-090	Enforcement Types 700 - 799 can only impose a 'FMP', 'USM', or 'ZAP' penalty type.	If ENF_TYPE (in CENFORCEMENT3 or CE8) >= '700' and <= '799' Then PENALTY_TYPE = 'FMP' or 'USM' or 'ZAP'
CEE-100	If Penalty Type is equal to 'ZAP' then Notes must be provided.	If PENALTY_TYPE = 'ZAP' Then NOTES <> ' '
CEE-110	If Penalty Type is equal to 'ZAP' then no other penalty may be associated with this enforcement action.	If PENALTY_TYPE = 'ZAP' Then no other record in CPENALTY3 or CEE.

#### Additional Business Rules and Guidance

- The use of CPENALTY3 is mandatory.

**FLAT FILE ID# - CEF**

Table Name: CPAYMENT3

CDX Staging Table Name: TR\_CEF

Description: Compliance Monitoring and Enforcement Payment Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	CEF-010
3	ENF_IDENTIFIER <sup>1</sup>	14	3	A	Enforcement Identifier	CEF-010
4	ENF_ACTION_DATE <sup>1</sup>	17	8	Date	Enforcement Action Date	CEF-010
5	ENF_AGENCY <sup>1</sup>	25	1	A	Enforcement Agency	CEF-010
6	PENALTY_OWNER <sup>1</sup>	26	2	A	Penalty Type Owner	CEF-010
7	PENALTY_TYPE <sup>1</sup>	28	3	A	Penalty Type	CEF-010
8	PAYMENT_SEQ <sup>1</sup>	31	2	I	Payment Sequence Number	CEF-020
9	SCHEDULED_DATE	33	8	Date	Payment Scheduled Date	CEF-030, CEF-070, CEF-080, CEF-090, CEF-100, CEF-140
10	SCHEDULED_AMOUNT	41	13	D12,2	Payment Scheduled Amount	CEF-040, CEF-090
11	PAID_DATE	54	8	Date	Payment Paid Date	CEF-050, CEF-070, CEF-120, CEF-130

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - CEF**

Table Name: CPAYMENT3

CDX Staging Table Name: TR\_CEF

Description: Compliance Monitoring and Enforcement Payment Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
12	PAID_AMOUNT	62	13	D12,2	Payment Paid Amount	CEF-060, CEF-110
13	DEFAULTED_DATE	75	8	Date	Payment Defaulted Date	CEF-130, CEF-140
14	NOTES	83	2000	A	Notes	
<b>Total Record Length:</b>			<b>2082</b>			

### CEF Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CEF-010	Handler ID, Enforcement Identifier, Enforcement Action Date, Enforcement Agency, Penalty Type Owner, and Penalty Type must exist in CPENALTY3 or CEE.	HANDLER_ID, ENF_IDENTIFIER, ENF_ACTION_DATE, ENF_AGENCY, PENALTY_OWNER, and PENALTY_TYPE in CEF must exist in CPENALTY3 or CEE
CEF-020	Payment Sequence Number must be greater than zero.	PAYMENT_SEQ > 0
CEF-030	Payment Scheduled Date must be greater than or equal to the Enforcement Action Date or blank.	SCHEDULED_DATE >= ENF_ACTION_DATE or ''
CEF-040	Payment Scheduled Amount must be greater than zero or blank.	SCHEDULED_AMOUNT >= 0 or ''
CEF-050	Payment Paid Date must be greater than or equal to the Enforcement Action Date and no later than today, or blank.	(PAID_DATE >= ENF_ACTION_DATE and PAID_DATE <= today) or PAID_DATE = ''
CEF-060	Payment Paid Amount must be greater than zero or blank.	PAID_AMOUNT >= 0 or ''
CEF-070	If Payment Scheduled Date is not provided then Payment Paid Date must be provided.	If SCHEDULED_DATE = '' Then PAID_DATE <> ''
CEF-080	If Payment Paid Date is not provided then Payment Scheduled Date must be provided.	If PAID_DATE = '' Then SCHEDULED_DATE <> ''
CEF-090	If Payment Scheduled Date is provided then Payment Scheduled Amount must be provided.	If SCHEDULED_DATE <> '' Then SCHEDULED_AMOUNT > 0

### CEF Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
CEF-100	If Payment Scheduled Amount is provided then Payment Scheduled Date must be provided.	If SCHEDULED_AMOUNT > 0 Then SCHEDULED_DATE <> ''
CEF-110	If Payment Paid Date is provided then Payment Paid Amount must be provided.	If PAID_DATE <> '' Then PAID_AMOUNT > 0
CEF-120	If Payment Paid Amount is provided then Payment Paid Date must be provided.	If PAID_AMOUNT > 0 Then PAID_DATE <> ''
CEF-130	If Payment Defaulted Date is provided then Payment Paid Date must be blank.	If DEFAULTED_DATE <> '' Then PAID_DATE = ''
CEF-140	Payment Defaulted Date must be greater the Payment Scheduled Date and not later than today, or blank.	(DEFAULTED_DATE >= SCHEDULED_DATE and DEFAULTED_DATE <= today) or DEFAULTED_DATE = ''
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• The use of CPAYMENT3 is optional.</li> </ul>		

**FLAT FILE ID# - FA1**

Table Name: FCOST\_ESTIMATE4

CDX Staging Table Name: TR\_FA1

Description: Financial Assurance Cost Estimate Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	FA1-010
3	COST_FA_TYPE <sup>1</sup>	14	1	A	Financial Assurance Type	FA1-020, FA1-110
4	COST_AGENCY <sup>1</sup>	15	1	A	Cost Estimate Responsible Agency	FA1-030
5	COST_COVERAGE_SEQ <sup>1</sup>	16	4	I	Cost Estimate Coverage Sequence Number	FA1-040
6	RESPONSIBLE_PERSON_OWNER	20	2	A	Responsible Person Owner	FA1-050, FA1-060
7	RESPONSIBLE_PERSON	22	5	A	Responsible Person	FA1-060, FA1-070
8	COST_ESTIMATE_AMOUNT	27	13	D12,2	Cost Estimate Amount	FA1-080
9	COST_ESTIMATE_DATE	40	8	Date	Cost Estimate Date	FA1-090
10	COST_ESTIMATE_REASON	48	1	A	Cost Estimate Reason	FA1-100, FA1-110
11	AREA_UNIT_NOTES	49	240	A	Area / Unit Notes	
12	NOTES	289	2000	A	Notes	
<b>Total Record Length:</b>			<b>2288</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### FA1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
FA1-000	Translator is not implementer of record for Financial Assurance information for this agency.	
FA1-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in FA1 must exist in HBASIC or HD1
FA1-020	Financial Assurance Type must equal 'C', 'P', 'S', 'N', or 'A'.	COST_FA_TYPE = 'C' or 'P' or 'S' or 'N' or 'A'
FA1-030	Cost Estimate Responsible Agency must equal 'E' or 'S'.	COST_AGENCY = 'E' or 'S'
FA1-040	Cost Coverage Sequence Number must be greater than zero.	COST_SEQ > 0
FA1-050	Responsible Person Owner must equal the submitter's agency or blank.	RESPONSIBLE_PERSON_OWNER = submitter's agency or ''
FA1-060	If Responsible Person is provided then Responsible Person Owner must be provided. If Responsible Person Owner is provided then Responsible Person must be provided.	If RESPONSIBLE_PERSON <> '' Then RESPONSIBLE_PERSON_OWNER <> '' If RESPONSIBLE_PERSON_OWNER <> '' Then RESPONSIBLE_PERSON <> ''
FA1-070	Responsible Person must be a valid implementer defined value registered with the RCRAInfo database or blank.	RESPONSIBLE_PERSON = implementer defined person identifier in LU_STAFF or ''
FA1-080	Cost Estimate Amount must be greater than zero.	COST_ESTIMATE_AMOUNT > 0
FA1-090	Cost Estimate Date must be a valid date greater than or equal to October 1, 1980 and less than or equal to today.	COST_ESTIMATE_DATE >= '19801001' and COST_ESTIMATE_DATE <= today
FA1-100	Cost Estimate Reason must equal 'S', 'A', 'I', or 'R'.	COST_ESTIMATE_REASON = 'S' or 'A' or 'I' or 'R'
FA1-110	If Cost Estimate Type = 'N' or 'S' Then Reason must equal blank.	If COST_FA_TYPE = 'N' or 'S' Then COST_ESTIMATE_REASON = ''

#### Additional Business Rules and Guidance

- The use of FCOST\_ESTIMATE4 is mandatory.

**FLAT FILE ID# - FA2**

Table Name: FMECHANISM4

CDX Staging Table Name: TR\_FA2

Description: Financial Assurance Mechanism Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	FA2-010
3	MECH_AGENCY <sup>1</sup>	14	1	A	Mechanism Agency	FA2-020
4	MECH_SEQ <sup>1</sup>	15	4	I	Mechanism Sequence Number	FA2-030
5	MECH_TYPE_OWNER	19	2	A	Mechanism Type Owner	FA2-040
6	MECH_TYPE	21	1	A	Mechanism Type	FA2-050, FA2-090, FA2-100, FA2-110
7	PROVIDER	22	80	A	Provider	FA2-080
8	PROVIDER CONTACT_NAME	102	33	A	Provider Contact Name	
9	PROVIDER CONTACT_PHONE	135	15	A	Provider Contact Phone	
10	PARENT_SEQ	150	6	I	Parent Sequence Number	FA2-120
11	NOTES	156	2000	A	Notes	
<b>Total Record Length:</b>			<b>2155</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### FA2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
FA2-000	Translator is not implementer of record for Financial Assurance information for this agency.	
FA2-010	Handler ID, Mechanism Agency, and Mechanism Sequence Number must exist in FLN_COST_MECHANISM4 or FA4.	HANDLER_ID, MECH_AGENCY, and MECH_SEQ in FA2 must exist in FLN_COST_MECHANISM4 or FA4
FA2-020	Mechanism Agency must equal 'E' or 'S'.	MECH_AGENCY = 'E' or 'S'
FA2-030	Mechanism Sequence Number must be greater than zero.	MECH_SEQ > 0
FA2-040	Mechanism Type Owner must equal 'HQ' or the submitter's agency.	MECH_TYPE_OWNER = 'HQ' or submitter's agency
FA2-050	Mechanism Type must be a valid nationally or implementer defined value registered with the RCRAInfo database.	MECH_TYPE = nationally defined mechanism type in LU_MECHANISM_TYPE
FA2-080	Provider must be provided.	PROVIDER <> ' '
FA2-090	If Mechanism Type = 'S', 'B', 'F', 'C', 'I', or 'N' then the Expiration Date must be provided.	If MECH_TYPE = 'S' or 'B' or 'F' or 'C' or 'I' or 'N' Then EXPIRATION_DATE <> ' '
FA2-100	If Mechanism Type = 'C' or 'F' then the Environmental Obligation Amount must be provided.	If MECH_TYPE = 'C' or 'F' Then ENV_OBLIGATION_AMOUNT > 0
FA2-110	If Mechanism Type = 'C' or 'F' then the Environmental Obligation Amount must be blank.	If MECH_TYPE = 'C' or 'F' Then ENV_OBLIGATION_AMOUNT = ' '
FA2-120	Parent Sequence Number must be a valid implementer defined value registered with the RCRAInfo database or blank.	PARENT_SEQ = implementer defined parent sequence number in LU_PARENT_COMPANY
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>The use of FMECHANISM4 is mandatory.</li> </ul>		

**FLAT FILE ID# - FA3**

Table Name: FMECHANISM\_DETAIL4

CDX Staging Table Name: TR\_FA3

Description: Financial Assurance Mechanism Detail Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	FA3-010
3	MECH_AGENCY <sup>1</sup>	14	1	A	Mechanism Agency	FA3-010
4	MECH_SEQ <sup>1</sup>	15	4	I	Mechanism Sequence Number	FA3-010
5	MECH_DETAIL_SEQ <sup>1</sup>	19	4	I	Mechanism Detail Sequence Number	FA3-010
6	MECH_IDENTIFICATION	23	40	A	Mechanism Identification Number	FA3-020
7	FACE_VALUE_AMOUNT	63	13	D12,2	Face Value Amount	FA3-030
8	ENV_OBLIGATION_AMOUNT	76	13	D12,2	Environmental Obligation Amount	FA3-040, FA3-050
9	EFFECTIVE_DATE	89	8	Date	Mechanism Detail Effective Date	FA3-060
10	EXPIRATION_DATE	97	8	Date	Expiration Date	FA3-070, FA3-080
11	NOTES	105	2000	A	Notes	
<b>Total Record Length:</b>			<b>2104</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### FA3 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
FA3-000	Translator is not implementer of record for Financial Assurance information for this agency.	
FA3-010	Handler ID, Mechanism Agency, Mechanism Sequence Number, and Mechanism Detail Sequence Number must exist in FMECHANISM4 or FA2.	HANDLER_ID, MECH_AGENCY, MECH_SEQ, and MECH_DETAIL_SEQ in FA2 must exist in FMECHANISM4 or FA2
FA3-020	Mechanism Identification must be provided.	MECH_IDENTIFICATION <> ' '
FA3-030	Face Value Amount must be greater than zero.	FACE_VALUE_AMOUNT > 0
FA3-040	If Mechanism Type = 'C' or 'F' then the Environmental Obligation Amount must be provided.	If MECH_TYPE = 'C' or 'F' Then ENV_OBLIGATION_AMOUNT > 0
FA3-050	If Mechanism Type = 'C' or 'F' then the Environmental Obligation Amount must be blank.	If MECH_TYPE = 'C' or 'F' Then ENV_OBLIGATION_AMOUNT = ' '.
FA3-060	Effective Date must be a valid date greater than or equal to October 1, 1980 and less than or equal to today.	EFFECTIVE_DATE >= '19801001' and EFFECTIVE_DATE <= Today
FA3-070	Expiration Date must be a valid date greater than the Effective Date or blank.	EXPIRATION_DATE > EFFECTIVE_DATE or ' '
FA3-080	If Mechanism Type = 'S', 'B', 'F', 'C', 'I', or 'N' then the Expiration Date must be provided.	If MECH_TYPE = 'S' or 'B' or 'F' or 'C' or 'I' or 'N' Then EXPIRATION_DATE <> ' '
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>The use of FMECHANISM_DETAIL4 is mandatory.</li> </ul>		

**FLAT FILE ID# - FA4**

Table Name: FLN\_COST\_MECH\_DETAIL4

CDX Staging Table Name: TR\_FA4

Description: Linking Data for Cost Estimate and Mechanism Detail.

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	FA4-010, FA4-020
3	COST_FA_TYPE <sup>1</sup>	14	1	A	Financial Assurance Type	FA4-010
4	COST_AGENCY <sup>1</sup>	15	1	A	Cost Estimate Responsible Agency	FA4-010
5	COST_COVERAGE_SEQ <sup>1</sup>	16	4	I	Cost Estimate Coverage Sequence Number	FA4-010
6	MECH_AGENCY <sup>1</sup>	20	1	A	Mechanism Agency	FA4-020
7	MECH_SEQ <sup>1</sup>	21	4	I	Mechanism Sequence Number	FA4-020
8	MECH_DETAIL_SEQ <sup>1</sup>	25	4	I	Mechanism Detail Sequence Number	FA4-020
<b>Total Record Length:</b>			<b>28</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### FA4 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
FA4-010	Handler ID, Financial Assurance Type, Cost Estimate Agency, and Cost Estimate Coverage Sequence Number must exist in FCOST_ESTIMATE4 or FA1.	HANDLER_ID, COST_FA_TYPE, COST_AGENCY, and COST_COVERAGE_SEQ in FA4 must exist in FCOST_ESTIMATE or FA1
FA4-020	Handler ID, Mechanism Agency, Mechanism Sequence Number, and Mechanism Detail Sequence Number must exist in FMECHANISM_DETAIL4 or FA3.	HANDLER_ID, MECH_AGENCY, MECH_SEQ, and MECH_DETAIL_SEQ in FA4 must exist in FMECHANISM_DETAIL4 or FA3
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• The use of FLN_COST_MECH_DETAIL4 is mandatory.</li> </ul>		

**FLAT FILE ID# - GS1**

Table Name: GIS4

CDX Staging Table Name: TR\_GS1

Description: Geographical Information System Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	GS1-010
3	GIS_OWNER <sup>1</sup>	14	2	A	GIS Owner	GS1-020
4	GIS_SEQ <sup>1</sup>	16	4	I	GIS Sequence Number	GS1-030
5	UNIT_SEQ	20	4	I	Unit Sequence Number	GS1-040
6	AREA_SEQ	24	4	I	Area Sequence Number	GS1-050
7	AREA_ACREAGE	28	13	D12,2	Area Acreage	GS1-060, GS1-085
8	AREA_SOURCE_OWNER	41	2	A	Area Source Owner	GS1-060, GS1-070
9	AREA_SOURCE_CODE	43	4	A	Area Source Code	GS1-060, GS1-080
10	AREA_SOURCE_DATE	47	8	Date	Area Source Date	GS1-060, GS1-090
11	DATA_COLLECTION_DATE	55	8	Date	Data Collection Date	GS1-100
12	HORIZONTAL_ACC_MEASURE	63	6	I	Horizontal Accuracy Measure	GS1-110
13	SOURCE_MAP_SCALE_NUMBER	69	10	I	Source Map Scale Number	GS1-120

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

**FLAT FILE ID# - GS1**

Table Name: GIS4

CDX Staging Table Name: TR\_GS1

Description: Geographical Information System Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
14	COORD_DATA_OWNER	79	2	A	Coordinate Data Owner	GS1-130, GS1-140
15	COORD_DATA_CODE	81	3	A	Coordinate Data Code	GS1-140, GS1-150
16	GEO_REF_POINT_OWNER	84	2	A	Geographic Reference Point Owner	GS1-160, GS1-170
17	GEO_REF_POINT_CODE	86	3	A	Geographic Reference Point Code	GS1-170, GS1-180
18	GEOMETRIC_OWNER	89	2	A	Geometric Owner	GS1-190, GS1-200
19	GEOMETRIC_CODE	91	3	A	Geometric Code	GS1-200, GS1-210
20	HORIZONTAL_COLL_OWNER	94	2	A	Horizontal Collection Owner	GS1-220, GS1-230
21	HORIZONTAL_COLL_CODE	96	3	A	Horizontal Collection Code	GS1-230, GS1-240
22	HORIZONTAL_REF_OWNER	99	2	A	Horizontal Reference Owner	GS1-250, GS1-260
23	HORIZONTAL_REF_CODE	101	3	A	Horizontal Reference Code	GS1-260, GS1-270
24	VERIFICATION_METH_OWNER	104	2	A	Verification Method Owner	GS1-280, GS1-290
25	VERIFICATION_METH_CODE	106	3	A	Verification Method Code	GS1-290, GS1-300

**FLAT FILE ID# - GS1**

Table Name: GIS4

CDX Staging Table Name: TR\_GS1

Description: Geographical Information System Data

<b>Field No.</b>	<b>Field Name</b>	<b>Starting Column</b>	<b>Field Length</b>	<b>Data Type</b>	<b>Description</b>	<b>Edit Number(s)</b>
26	NOTES	109	2000	A	Notes	
<b>Total Record Length:</b>			<b>2108</b>			

### GS1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
GS1-010	Handler ID must exist in HBASIC or HD1.	HANDLER_ID in GS1 must exist in HBASIC or HD1
GS1-020	GIS Owner must equal the submitter's agency.	GIS_OWNER = submitter's agency
GS1-030	GIS Sequence Number must be greater than zero.	GIS_SEQ > 0
GS1-040	If Unit Sequence Number is provided then Handler ID and Unit Sequence Number must exist in PUNIT_DETAIL4 or PM4.	If UNIT_SEQ > 0 Then HANDLER_ID and UNIT_SEQ must exist in PUNIT_DETAIL4 or PM4.
GS1-050	If Area Sequence Number is provided then Handler ID and Area Sequence Number must exist in AAREA4 or CA1.	If AREA_SEQ > 0 Then HANDLER_ID and AREA_SEQ must exist in AAREA4 or CA1
GS1-060	If Area Acreage is provided then Area Source Owner, Area Source, and Area Source Date must be provided. If Area Source Owner is provided then Area Acreage, Area Source, and Area Source Date must be provided. If Area Source is provided then Area Acreage, Area Source Owner, and Area Source Date must be provided. If Area Source Date is provided then Area Acreage, Area Source Owner, and Area Source must be provided.	If AREA_ACREAGE > 0 Then AREA_SOURCE_OWNER <> ' ' and AREA_SOURCE <> ' ' and AREA_SOURCE_DATE <> ' ' If AREA_SOURCE_OWNER <> ' ' Then AREA_ACREAGE > 0 and AREA_SOURCE <> ' ' and AREA_SOURCE_DATE <> ' ' If AREA_SOURCE <> ' ' Then AREA_ACREAGE > 0 and AREA_SOURCE_OWNER <> ' ' and AREA_SOURCE_DATE <> ' ' If AREA_SOURCE_DATE <> ' ' Then AREA_ACREAGE > 0 and AREA_SOURCE_OWNER <> ' ' and AREA_SOURCE <> ' '
GS1-070	Area Source Owner must equal submitter's agency or ' '.	AREA_SOURCE_OWNER = submitter's agency or ' '
GS1-080	Area Source must be a valid implementer defined value registered with the RCRAInfo database or blank.	AREA_SOURCE = implementer defined area source code in LU_AREA_SOURCE or ' '
GS1-0085	Area Acreage must be greater than zero or blank.	AREA_ACREAGE > 0 or ' '
GS1-090	Area Source Date must be a valid date greater than or equal to October 1, 1980 and less than or equal to today, or blank.	(AREA_SOURCE_DATE >= '19801001' and AREA_SOURCE_DATE <= Today) or ' '
GS1-100	Data Collection Date must be a valid date greater than or equal to October 1, 1980 and less than or equal to today, or blank.	(DATA_COLLECTION_DATE >= '19801001' and DATA_COLLECTION_DATE <= Today) or ' '
GS1-110	Horizontal Accuracy Measure must be greater than 0 or blank.	HORIZONTAL_ACC_MEASURE > 0 or ' '
GS1-120	Source Map Scale Number must be greater than 0 or blank.	SOURCE_MAP_SCALE_NUMBER > 0 or ' '

### GS1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
GS1-130	Coordinate Data Owner must equal 'HQ' or blank.	COORD_DATA_OWNER = 'HQ' or ''
GS1-140	If Coordinate Data Code is provided then Coordinate Data Owner must be provided. If Coordinate Data Owner is provided then Coordinate Data Code must be provided.	If COORD_DATA_CODE <> '' Then COORD_DATA_OWNER <> '' If COORD_DATA_OWNER <> '' Then COORD_DATA_CODE <> ''
GS1-150	Coordinate Data Code must be a valid nationally defined value registered with the RCRAInfo database or blank.	COORD_DATA_CODE = nationally defined coordinate data code in LU_COORDINATE or ''
GS1-160	Geographic Reference Point Owner must equal 'HQ' or blank.	GEO_REF_POINT_OWNER = 'HQ' or ''
GS1-170	If Geographic Reference Point Code is provided then Geographic Reference Point Owner must be provided. If Geographic Reference Point Owner is provided then Geographic Reference Point Code must be provided.	If GEO_REF_POINT_CODE <> '' Then GEO_REF_POINT_OWNER <> '' If GEO_REF_POINT_OWNER <> '' Then GEO_REF_POINT_CODE <> ''
GS1-180	Geographic Reference Point Code must be a valid nationally defined value registered with the RCRAInfo database or blank.	GEO_REF_POINT_CODE = nationally defined geographic reference point code in LU_GEOGRAPHIC_REFERENCE or ''
GS1-190	Geometric Owner must equal 'HQ' or blank.	GEOMETRIC_OWNER = 'HQ' or ''
GS1-200	If Geometric Code is provided then Geometric Owner must be provided. If Geometric Owner is provided then Geometric Code must be provided.	If GEOMETRIC_CODE <> '' Then GEOMETRIC_OWNER <> '' If GEOMETRIC_OWNER <> '' Then GEOMETRIC_CODE <> ''
GS1-210	Geometric Code must be a valid nationally defined value registered with the RCRAInfo database or blank.	GEOMETRIC_CODE = nationally defined geometric code in LU_GEOMETRIC or ''
GS1-220	Horizontal Collection Owner must equal 'HQ' or blank.	HORIZONTAL_COLL_OWNER = 'HQ' or ''
GS1-230	If Horizontal Collection Code is provided then Horizontal Collection Owner must be provided. If Horizontal Collection Owner is provided then Horizontal Collection Code must be provided.	If HORIZONTAL_COLL_CODE <> '' Then HORIZONTAL_COLL_OWNER <> '' If HORIZONTAL_COLL_OWNER <> '' Then HORIZONTAL_COLL_CODE <> ''
GS1-240	Horizontal Collection Code must be a valid nationally defined value registered with the RCRAInfo database or blank.	HORIZONTAL_COLL_CODE = nationally defined horizontal collection code in LU_HORIZONTAL_COLLECTION or ''
GS1-250	Horizontal Reference Owner must equal 'HQ' or blank.	HORIZONTAL_REF_OWNER = 'HQ' or ''

### GS1 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
GS1-260	If Horizontal Reference Code is provided then Horizontal Reference Owner must be provided. If Horizontal Reference Owner is provided then Horizontal Reference Code must be provided.	If HORIZONTAL_REF_CODE <> ' ' Then HORIZONTAL_REF_OWNER <> ' ' If HORIZONTAL_REF_OWNER <> ' ' Then HORIZONTAL_REF_CODE <> ' '
GS1-270	Horizontal Reference Code must be a valid nationally defined value registered with the RCRAInfo database or blank.	HORIZONTAL_REF_CODE = nationally defined horizontal reference code in LU_HORIZONTAL_REFERENCE or ' '
GS1-280	Verification Method Owner must equal 'HQ' or blank.	VERIFICATION_METH_OWNER = 'HQ' or ' '
GS1-290	If Verification Method Code is provided then Verification Method Owner must be provided. If Verification Method Owner is provided then Verification Method Code must be provided.	If VERIFICATION_METH_CODE <> ' ' Then VERIFICATION_METH_OWNER <> ' ' If VERIFICATION_METH_OWNER <> ' ' Then VERIFICATION_METH_CODE <> ' '
GS1-300	Verification Method Code must be a valid nationally defined value registered with the RCRAInfo database or blank.	VERIFICATION_METH_CODE = nationally defined verification method code in LU_VERIFICATION or ' '
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"> <li>• The use of GIS4 is optional.</li> </ul>		

**FLAT FILE ID# - GS2**

Table Name: GIS\_LAT\_LONG4

CDX Staging Table Name: TR\_GS2

Description: Geographical Information System Latitude / Longitude Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Edit Number(s)
1	TRANSACTION_CODE <sup>1</sup>	1	1	A	Transaction Code	
2	HANDLER_ID <sup>1</sup>	2	12	A	EPA Handler ID	GS1-010
3	GIS_OWNER <sup>1</sup>	14	2	A	GIS Owner	GS1-010
4	GIS_SEQ <sup>1</sup>	16	4	I	GIS Sequence Number	GS1-010
5	LATITUDE_MEASURE <sup>1</sup>	20	10	D9,6	Latitude Measure (in degrees)	GS1-020
6	LONGITUDE_MEASURE <sup>1</sup>	30	11	D10,6	Longitude Measure (in degrees)	GS1-030
7	NOTES	41	2000	A	Notes	
<b>Total Record Length:</b>			<b>2040</b>			

<sup>1</sup> The fields that must be provided for Delete transactions (TRANSACTION\_TYPE = 'D').

### GS2 Flat File Edit Specifications

Edit Number	Edit Description	Select Logic
GS2-010	Handler ID, GIS Owner, and GIS Sequence Number must exist in GIS4 or GS1.	HANDLER_ID, GIS_OWNER, and GIS_SEQ in GS2 must exist in GIS4 or GS1
GS2-020	Latitude Measure must be greater than 0 and less than 90	LATITUDE_MEASURE > 0 and < 90
GS2-030	Longitude Measure must be greater than 0 and less than 180.	LONGITUDE_MEASURE > 0
<b>Additional Business Rules and Guidance</b>		
<ul style="list-style-type: none"><li>The use of GIS_LAT_LONG4 is optional.</li></ul>		

**APPENDIX B**  
**State Postal Codes**

## APPENDIX B - State Postal Codes

State Name	Postal Code	State Name	Postal Code	State Name	Postal Code
Alabama	AL	Kentucky	KY	Ohio	OH
Alaska	AK	Louisiana	LA	Oklahoma	OK
American Samoa	AS	Maine	ME	Oregon	OR
Arizona	AZ	Maryland	MD	Pennsylvania	PA
Arkansas	AR	Massachusetts	MA	Puerto Rico	PR
California	CA	Michigan	MI	Rhode Island	RI
Colorado	CO	Minnesota	MN	South Carolina	SC
Connecticut	CT	Mississippi	MS	South Dakota	SD
Delaware	DE	Missouri	MO	Tennessee	TN
District of Columbia	DC	Montana	MT	Texas	TX
Florida	FL	Navajo Nation	NN	Trust Territories	TT
Georgia	GA	Nebraska	NE	Utah	UT
Guam	GU	Nevada	NV	Vermont	VT
Hawaii	HI	New Hampshire	NH	Virgin Islands	VI
Idaho	ID	New Jersey	NJ	Virginia	VA
Illinois	IL	New Mexico	NM	Washington	WA
Indiana	IN	New York	NY	West Virginia	WV
Iowa	IA	North Carolina	NC	Wisconsin	WI
Kansas	KS	North Dakota	ND	Wyoming	WY