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Environmental Protection
Agency

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Conservation and Recovery
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RCRAINFO
FLAT FILE
TRANSLATOR GUIDE

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1. INTRODUCTION

RCRAInfo is a national system and database which the Environmental Protection Agency (EPA) and States[1] 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 two methods by which Regions and States can submit data to RCRAInfo via an electronic format: 1) flat files submitted via the RCRAInfo application; and 2) XML files transferred via node-to-node. This document describes the flat file specifications which are submitted via the RCRAInfo application only. 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 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 document is divided into six 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 (Flat File Transfer) discusses the method of submitting a flat file load via the RCRAInfo application.

Section 6 (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.

[1]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 Significant Revisions to the Translation Process

Historically, flat file submissions have been accompanied by a “control” file which indicated the flat files that were included in the submission. This control file was necessary to ensure that the CDX interface and the RCRAInfo database were communicating properly. Additionally, the control file also indicated the translation method (full, partial, or transactional) that was being processed. Beginning with RCRAInfo Version 4 and continuing with RCRAInfo Version 5, flat files are no longer submitted using the CDX interface. Also, the RCRAInfo Version 5 translation load interface will be revised such that the user will indicate the translation method. Therefore, beginning with RCRAInfo Version 5, the user will not include a control file in their submission.

The revisions associated with RCRAInfo Version 5 deal primarily with the Handler Module. The Handler Module is the **only** module in RCRAInfo Version 5 that has flat file structure changes. In addition, the HD1 flat file containing HBASIC information has been removed. The EXTRACT FLAG previously submitted via HD1 has been moved to HD2. This revision is consistent with how the EXTRACT FLAG is entered via the data entry application. HBASIC information will be updated via the universe calculation which is also consistent with the data entry application.

1.5 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) loading the files into RCRAInfo, 3) monitoring the load process, and 4) 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's 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 <u>will cause the entire load to fail</u>.

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 completed in the first two weeks of the following month.

2.2 Full Replacement Indicator

RCRAInfo allows three (3) methods by which the RCRAInfo data may be processed: 1) Full-replacement method; 2) Partial-replacement method; or 3) Transactional 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 HHANDLER5 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 HHANDLER5 record and it's associated child records will NOT be deleted for this handler. 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.

The full-replacement method is available for the Handler and CM&E modules only.

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.

Full Replacement Submitted for	Tables Affected (and corresponding flat files which must be provided to replace the deleted data)
Handler Module	HHANDLER5 (HD2)* OWNER_OPERATOR5 (HD3)* HNAICS 5(HD4)* HOTHER_PERMIT5 (HD5) HWASTE_CODE5 (HD6)* HUNIVERSAL_WASTE5 (HD7) HCERTIFICATION5 (HD8)* HSTATE_ACTIVITY5 (HD9) HPART_A5 (HDA) HHSM_BASIC5 (HDC) HHSM_ACTIVITY5 (HDD) HHSM_WASTE_CODE5 (HDE)
CM&E Module	CEVALUATION3 (CE1)* CREQUEST3 (CE2) CLN_EVALUATION_COMMITMENT3(CE3) CVIOLATION3 (CE4)* CLN_EVALUATION_VIOLATION3 (CE5)* CCITATION3 (CE6) CENFORCEMENT3 (CE8)* CLN_VIOLATION_ENFORCEMENT3 (CE9)* CMEDIA3 (CEA) CSEP3 (CEB) CSNY_DATE3 (CEC) CMILESTONE3 (CED) CPENALTY3 (CEE) CPAYMENT3 (CEF)

* *Indicates that the file must be provided in a full replacement submission.*

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. The partial-replacement method is available for the Handler and CM&E modules only.

Transactional Method

The transactional 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 transactional 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). 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). At least one flat file must be provided with every submission.

The load software will **NOT** allow implementers to delete data (either by full replacement, partial 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).

2.3 Transaction Code

The translator can specify one of two transaction codes for each record: 1) A (Add/Update) or 2) D (Delete). The transaction code field is provided for files that are using the transactional 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 HHANDLER5, HNAICS5, and HCERTIFICATION5 data for Kansas would contain the HHANDLER5 file (KSHD2001.FIL), the HNAICS5 file (KSHD4001.FIL), and the HCERTIFICATION5 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:
`~!@#$%^&*()_-+={}[]|\:;,.?/1234567890ABCDEFGHIJKLMNOPQRSTUVWXYZ

Invalid characters for alphanumeric fields include:
<>

If the “<” or “>” symbols are used to indicated less than or greater than, it is recommended that these symbols are replaced with “LT” or “GT”.

As part of the RCRAInfo load routines, all lowercase letters (a-z) will be converted to uppercase characters (A-Z), except for **ALL** “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 numbers 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 except for Longitude values in GS2.

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.

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:

- Invalid character found in numeric 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).
- Existing record to delete not found.
- Implementer must be IOR to add/change/delete data.

If an invalid date is contained in the submission (i.e., 13/1/2008 or 2/30/2008), the date field will be converted to blanks. Additionally, if an invalid integer is contained in the submission (i.e., negative or decimal numbers), the integer field will be converted to zero.

5. FLAT FILE TRANSFER

Flat files are transferred to the RCRAInfo database via the RCRAInfo application. The data is transferred 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.

5.1 User Access and Permissions

The user must have the following access and permissions to successfully submit flat files to RCRAInfo:

- User ID and password for the RCRAInfo production application;
- Granted the translation "role" within the database;
- Have Level 4 (read, add, update, and delete) permissions for the module being submitted;
- Be the implementer of record for the information being submitted.

Please contact your state or regional system administrator to obtain a RCRAInfo ID and password, to receive the required permissions, and/or to set implementer of record settings. To obtain the translation "role", please contact Idali Gotay (gotay.idali@epa.gov).

5.2 Flat File Submissions

The RCRAInfo application provides an interface for submitters to upload a ZIP file from their local file location (commonly the C:\ drive) to the RCRAInfo staging tables. The uploaded file must be in the form of a 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 RCRAInfo 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 of the user submitting the files.

An example file name would be rcrmd01six.zip. **NOTE:** The activity location (state code) embedded in the file name must match the state code associated with the RCRAInfo agency of the submitter that is filing the information.

If the file name does not pass validation, the RCRAInfo interface will provide the submitter with a message 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:

- You do not have permission to translate data for this state
- Full replace translation is not available for this module
- You have not provided the necessary files to do a full replace translation

6. SUBMISSION AND STATUS REPORT INSTRUCTIONS

6.1 Step-by-Step Instructions for Flat File Submissions

The RCRAInfo application will provide an interface for the implementers to load their flat file translation submissions into RCRAInfo. Once this interface is created, this section will provide step-by-step instructions for flat file submissions and information regarding the load status report.

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.

Column Definitions:

Field No. – Sequential numbering of fields within the table used for reference purposes only.

Field Name – The Oracle column name.

Starting Column – The position to which the data field begins.

Field Length – The number of columns the field occupied.

Data Type – The type of data (alphanumeric[A], integer[I], decimal[D], or date[Date]) contained in the field.

Description – An English description of the field.

Required / Cond. Required – Indicates if the field must be included in the submission. "Required" indicates that the field MUST be included in the submission. "Cond. Required" indicates that the field is required ONLY for specific conditions. A blank in the column indicates that the field is not required to be included in the submission.

Edit Number(s) – Provides the cross-reference (via edit numbers) to the edit specifications.

Examples of Required and Conditionally Required

Example 1 – Required

Site Name must be provided.

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
6	SITE_NAME	29	80	A	Site Name	Required	HD2-050

In this example, the Site Name must always be provided because the Required / Cond. Required column says "Required".

Example 2 – Conditionally Required (based on the value of another field)

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
20	MAIL_STREET1	255	30	A	Mailing Street Address 1	Cond. Required	HD2-180

Edit Number	Receive Date	Edit Description	Select Logic
HD2-180	1/1/2004 - Today	If Source Type = 'N' or 'A' Then Mail Street1 must be provided.	If SOURCE_TYPE = 'N' or 'A' Then MAIL_STREET1 <> ' '

In this example, the Mail Street 1 must be provided if the Source Type equals 'N' or 'A'. This is denoted by the words "Cond. Required" in the Required/Cond. Required column. The Edit Number (HD2-180) indicates the condition(s) that makes this field a required field (i.e., Source Type equals 'N' or 'A').

Example 3 – Conditionally Required (based on the existence of another field)

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
5	RESPONSIBLE_PERSON_OWNER	58	2	A	EPA Responsible Person Owner	Cond. Required	PM1-035, PM1-036
6	RESPONSIBLE_PERSON	60	5	A	EPA Responsible Person ID	Cond. Required	PM1-040, PM1-036

Edit Number	Edit Description	Select Logic
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 <> ‘ ‘

In this example, the Responsible Person Owner must be provided if the Responsible Person is provided (and vice versa). This is denoted by the words “Cond. Required” in the Required / Cond. Required column. The Edit Number (PM1-036) indicates the condition(s) that makes this field a required field (i.e., Responsible Person Owner was provided, therefore Responsible Person must be provided [or vice versa]). Note: The Responsible Person Owner and Responsible Person fields may both be left blank.

FLAT FILE ID# - HD2							
Table Name: HHANDLER5 Staging Table Name: TR_HD2 Description: Handler Identification and Activity Data							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HD2-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HD2-010, HD2-015
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HD2-020
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HD2-030
5	EXTRACT_FLAG	21	1	A	Extract Flag		HD2-035
6	RECEIVE_DATE	22	8	Date	Receive Date	Required	HD2-040
7	HANDLER_NAME	30	80	A	Handler Name	Required	HD2-050
8	NON_NOTIFIER	110	1	A	Non-Notifier Flag		HD2-060
9	ACCESSIBILITY	111	1	A	Accessibility		HD2-070
10	LOCATION_STREET_NO	112	12	A	Location Street Number		
11	LOCATION_STREET1	124	30	A	Location Street Address 1	Required	HD2-080
12	LOCATION_STREET2	154	30	A	Location Street Address 2		

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - HD2

Table Name: HHANDLER5

Staging Table Name: TR_HD2

Description: Handler Identification and Activity Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
13	LOCATION_CITY	184	25	A	Location City	Required	HD2-090
14	LOCATION_STATE	209	2	A	Location State	Required	HD2-100, HD2-110
15	LOCATION_ZIP	211	14	A	Location Zip Code	Required	HD2-120
16	COUNTY_CODE	225	5	A	Location County Code	Required	HD2-130
17	LOCATION_COUNTRY	230	2	A	Location Country Code		HD2-100, HD2-110, HD2-140, HD2-650, HD2-660
18	STATE_DISTRICT_OWNER	232	2	A	State District Owner	Cond. Required	HD2-150, HD2-160
19	STATE_DISTRICT	234	10	A	State District	Cond. Required	HD2-160, HD2-170
20	MAIL_STREET_NO	244	12	A	Mailing Street Number		
21	MAIL_STREET1	256	30	A	Mailing Street Address 1	Cond. Required	HD2-180
22	MAIL_STREET2	286	30	A	Mailing Street Address 2		
23	MAIL_CITY	316	25	A	Mailing City	Cond. Required	HD2-190

FLAT FILE ID# - HD2

Table Name: HHANDLER5

Staging Table Name: TR_HD2

Description: Handler Identification and Activity Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
24	MAIL_STATE	341	2	A	Mailing State	Cond. Required	HD2-200, HD2-210
25	MAIL_ZIP	343	14	A	Mailing Zip Code	Cond. Required	HD2-220
26	MAIL_COUNTRY	357	2	A	Mailing Country		HD2-200, HD2-210, HD2-230
27	LAND_TYPE	359	1	A	Site Land Type	Cond. Required	HD2-240
28	CONTACT_FIRST_NAME	360	15	A	Contact First Name	Cond. Required	HD2-250
29	CONTACT_MIDDLE_INITIAL	375	1	A	Contact Middle Initial		
30	CONTACT_LAST_NAME	376	15	A	Contact Last Name	Cond. Required	HD2-260
31	CONTACT_STREET_NO	391	12	A	Contact Street Number		
32	CONTACT_STREET1	403	30	A	Contact Street Address 1		
33	CONTACT_STREET2	433	30	A	Contact Street Address 2		
34	CONTACT_CITY	463	25	A	Contact City		
35	CONTACT_STATE	488	2	A	Contact State		HD2-280, HD2-290
36	CONTACT_ZIP	490	14	A	Contact Zip Code		

FLAT FILE ID# - HD2

Table Name: HHANDLER5

Staging Table Name: TR_HD2

Description: Handler Identification and Activity Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
37	CONTACT_COUNTRY	504	2	A	Contact Country Code		HD2-280, HD2-290, HD2-300
38	CONTACT_PHONE	506	15	A	Contact Phone	Cond. Required	HD2-270
39	CONTACT_PHONE_EXT	521	6	A	Contact Phone Extension		
40	CONTACT_FAX	527	15	A	Contact Fax		
41	CONTACT_TITLE	542	45	A	Contact Title		
42	CONTACT_EMAIL_ADDRESS	587	80	A	Contact E-mail Address		
43	FED_WASTE_GENERATOR_OWNER	667	2	A	Federal Generator Status Owner	Cond. Required	HD2-310, HD2-320
44	FED_WASTE_GENERATOR	669	1	A	Federal Generator Status	Cond. Required	HD2-320, HD2-330, HD2-640, HD2-660
45	STATE_WASTE_GENERATOR_OWNER	670	2	A	State Generator Status Owner	Cond. Required	HD2-340, HD2-350
46	STATE_WASTE_GENERATOR	672	1	A	State Generator Status	Cond. Required	HD2-350, HD2-360

FLAT FILE ID# - HD2

Table Name: HHANDLER5

Staging Table Name: TR_HD2

Description: Handler Identification and Activity Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
47	SHORT_TERM_GENERATOR	673	1	A	Short-Term or Temporary Generator	Required	HD2-370, HD2-375, HD2-660
48	IMPORTER_ACTIVITY	674	1	A	U.S. Importer of Hazardous Waste	Required	HD2-380, HD2-660
49	MIXED_WASTE_GENERATOR	675	1	A	Mixed Waste (hazardous and radioactive) Generator	Required	HD2-390, HD2-660
50	TRANSPORTER	676	1	A	Transporter of Hazardous Waste	Required	HD2-400
51	TRANSFER_FACILITY	677	1	A	Transfer Facility of Hazardous Waste	Required	HD2-410, HD2-660
52	TSD_ACTIVITY	678	1	A	Treater, Storer, or Disposer of Hazardous Waste in a Permitted Unit	Required	HD2-420, HD2-660
53	RECYCLER_ACTIVITY	679	1	A	Recycler of Hazardous Waste	Required	HD2-430, HD2-660
54	ONSITE_BURNER_EXEMPTION	680	1	A	Small Quantity On-site Burner Exemption	Required	HD2-440, HD2-660
55	FURNACE_EXEMPTION	681	1	A	Smelting, Melting, and Refining Furnace Exemption	Required	HD2-450, HD2-660
56	UNDERGROUND_INJECTION_ACTIVITY	682	1	A	Underground Injection Control	Required	HD2-460

FLAT FILE ID# - HD2

Table Name: HHANDLER5

Staging Table Name: TR_HD2

Description: Handler Identification and Activity Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
57	OFF_SITE_RECEIPT	683	1	A	Receives Hazardous Waste From Off-site	Required	HD2-470
58	UNIVERSAL_WASTE_DEST_FACILITY	684	1	A	Destination Facility for Universal Waste	Required	HD2-480, HD2-660
59	USED_OIL_TRANSPORTER	685	1	A	Used Oil Transporter	Required	HD2-490
60	USED_OIL_TRANSFER_FACILITY	686	1	A	Used Oil Transfer Facility	Required	HD2-500, HD2-660
61	USED_OIL_PROCESSOR	687	1	A	Used Oil Processor	Required	HD2-510, HD2-660
62	USED_OIL_REFINER	688	1	A	Used Oil Re-refiner	Required	HD2-520, HD2-660
63	USED_OIL_BURNER	689	1	A	Off-specification Used Oil Burner	Required	HD2-530, HD2-660
64	USED_OIL_MARKET_BURNER	690	1	A	Marketer Who Directs Shipment of Off-specification Used Oil to Off-specification Used Oil Burner	Required	HD2-540, HD2-660
65	USED_OIL_SPEC_MARKETER	691	1	A	Marketer Who First Claims the Used Oil Meets the Specifications	Required	HD2-550, HD2-660

FLAT FILE ID# - HD2							
Table Name: HHANDLER5 Staging Table Name: TR_HD2 Description: Handler Identification and Activity Data							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
66	SUBPART_K_COLLEGE	692	1	A	Opting into or Currently Operating under 40 CFR Part 262 Subpart K as a College or University	Cond. Required	HD2-560, HD2-660
67	SUBPART_K_HOSPITAL	693	1	A	Opting into or Currently Operating under 40 CFR Part 262 Subpart K as a Teaching Hospital	Cond. Required	HD2-570, HD2-660
68	SUBPART_K_NONPROFIT	694	1	A	Opting into or Currently Operating under 40 CFR Part 262 Subpart K as a Non-Profit Research Institute	Cond. Required	HD2-580, HD2-660
69	SUBPART_K_WITHDRAWAL	695	1	A	Withdrawing from 40 CFR Part 262 Subpart K	Cond. Required	HD2-590, HD2-600, HD2-660
70	NOTES	696	4000	A	Notes	Cond. Required	HD2-375
Total Record Length:			**4695**				

Note: An HD2 record for the home state cannot be deleted if another HD2 (or HHANDLER5) record for the home state does not exist.

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-000	All	Translator is not implementer of record for the Handler Module.	
HD2-001	All	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HD2-010	All	The first two characters of the Handler ID must be a valid state postal code.	SUBSTR(HANDLER_ID,1,2) = POSTAL_CODE in LU_STATE
HD2-015	All	Handler ID must be at least four characters and no more than twelve characters.	LENGTH(HANDLER_ID) >= 4 and LENGTH(HANDLER_ID) <= 12
HD2-020	All	Source Type must equal ‘N’, ‘A’, ‘I’, ‘E’, or ‘T’.	SOURCE_TYPE = ‘N’ or ‘A’ or ‘I’ or ‘E’ or ‘T’
HD2-030	All	Sequence Number must be greater than zero.	SEQ_NUMBER > 0
HD2-035	All	Extract Flag must equal ‘X’ or blank.	EXTRACT_FLAG = ‘X’ or ‘ ‘
HD2-040	All	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	All	Handler Name must be provided.	HANDLER_NAME <> ‘ ’
HD2-060	All	Non-Notifier must equal ‘E’, ‘X’, ‘O’, or blank.	NON_NOTIFIER = ‘E’ or ‘X’ or ‘O’ or ‘ ’
HD2-070	All	Accessibility must equal ‘B’, ‘C’, ‘F’, ‘L’, or blank.	ACCESSIBILITY = ‘B’ or ‘C’ or ‘F’ or ‘L’ or ‘ ’
HD2-080	All	Location Street 1 must be provided.	LOCATION_STREET1 <> ‘ ’
HD2-090	All	Location City must be provided.	LOCATION_CITY <> ‘ ’

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-100	All	If Location Country equals 'US' or blank and the first two characters of Handler ID equal 'NN' then Location State must be a valid value in LU_STATE. If Location Country equals 'US' or blank and the first two characters of Handler ID do not equal 'NN' then Location State must equal the first two characters of Handler ID.	If (LOCATION_COUNTRY = 'US' or ' ') and SUBSTR(HANDLER_ID,1,2) = 'NN' Then LOCATION_STATE = POSTAL_CODE in LU_STATE If (LOCATION_COUNTRY = 'US' or ' ') and SUBSTR(HANDLER_ID,1,2) <> 'NN' Then LOCATION_STATE = SUBSTR(HANDLER_ID,1,2)
HD2-110	All	If Location Country is not equal to 'US' or blank then Location State must equal a valid value in LU_FOREIGN_STATE or blank.	If LOCATION_COUNTRY <> 'US' or ' ' Then LOCATION_STATE = STATE_CODE in LU_FOREIGN_STATE or ' '
HD2-120	All	Location Zip Code must be provided.	LOCATION_ZIP <> ' '
HD2-130	All	Location County Code must be a valid value in LU_COUNTY.	COUNTY_CODE = COUNTY_CODE in LU_COUNTY
HD2-140	All	Location Country must be a valid value in LU_COUNTRY or blank. If Location Country is blank, a value of 'US' will be assumed.	LOCATION_COUNTRY = COUNTRY_CODE in LU_COUNTRY or ' '
HD2-150	All	State District Owner must equal submitter's agency or blank.	STATE_DISTRICT_OWNER = submitter's agency or ' '
HD2-160	All	If State District is provided then State District Owner must be provided. If State District Owner is provided then State District must be provided.	If STATE_DISTRICT <> ' ' Then STATE_DISTRICT_OWNER <> ' ' If STATE_DISTRICT_OWNER <> ' ' Then STATE_DISTRICT <> ' '
HD2-170	All	State District must be a valid implementer-defined value in LU_STATE_DISTRICT or blank.	STATE_DISTRICT = STATE_DISTRICT in LU_STATE_DISTRICT or ' '
HD2-180	1/1/2004 - Today	If Source Type = 'N' or 'A' Then Mail Street1 must be provided.	If SOURCE_TYPE = 'N' or 'A' Then MAIL_STREET1 <> ' '
HD2-190	1/1/2004 - Today	If Source Type equals 'N' or 'A' then Mailing City must be provided.	If SOURCE_TYPE = 'N' or 'A' Then MAIL_CITY <> ' '

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-200	Prior to 1/1/2004	If Mailing Country equals ‘US’ or blank then Mailing State must equal a valid state postal code in LU_STATE or blank.	If MAIL_COUNTRY = ‘US’ or ‘ ’ Then MAIL_STATE = POSTAL_CODE in LU_STATE or ‘ ’
	1/1/2004 - Today	If Source Type equals ‘N’ or ‘A’ and Mailing Country equals ‘US’ or blank then Mailing State must equal a valid state postal code in LU_STATE. If Source Type equals ‘I’, ‘E’, or ‘T’ and Mailing Country equals ‘US’ or blank then Mailing State must equal a valid state postal code in LU_STATE or blank.	If SOURCE_TYPE = ‘N’ or ‘A’ and MAIL_COUNTRY = ‘US’ or ‘ ’ Then MAIL_STATE = POSTAL_CODE in LU_STATE If SOURCE_TYPE = ‘I’ or ‘E’ or ‘T’ and MAIL_COUNTRY = ‘US’ or ‘ ’ Then MAIL_STATE = POSTAL_CODE in LU_STATE or ‘ ’
HD2-210	All	If Mailing Country is not equal to ‘US’ or blank then Mailing State must equal a valid value in LU_FOREIGN_STATE or blank.	If MAIL_COUNTRY <> ‘US’ or ‘ ’ Then MAIL_STATE = STATE_CODE in LU_FOREIGN_STATE or ‘ ’
HD2-220	1/1/2004 - Today	If Source Type equals ‘N’ or ‘A’ then Mailing Zip Code must be provided.	If SOURCE_TYPE = ‘N’ or ‘A’ Then MAIL_ZIP <> ‘ ’
HD2-230	All	Mailing Country must be a valid value in LU_COUNTRY. If Mailing Country is blank, a value of ‘US’ will be assumed.	MAIL_COUNTRY = COUNTRY_CODE in LU_COUNTRY or ‘ ’
HD2-240	Prior to 1/1/2004	Land Type must equal ‘P’, ‘C’, ‘D’, ‘F’, ‘I’, ‘M’, ‘S’, or ‘O’, or blank.	LAND_TYPE = ‘P’ or ‘C’ or ‘D’ or ‘F’ or ‘I’ or ‘M’ or ‘S’ or ‘O’ or ‘ ’
	1/1/2004 – 3/31/2010	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 ‘ ’
	4/1/2010 - Today	Land Type must equal ‘P’, ‘C’, ‘D’, ‘F’, ‘I’, ‘M’, ‘S’, or ‘O’	LAND_TYPE = ‘P’ or ‘C’ or ‘D’ or ‘F’ or ‘I’ or ‘M’ or ‘S’ or ‘O’
HD2-250	1/1/2004 - Today	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 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-260	1/1/2004 - Today	If Source Type equals ‘N’ or ‘A’ then Contact Last Name must be provided.	If SOURCE_TYPE = ‘N’ or ‘A’ Then CONTACT_LAST_NAME <> ‘ ’
HD2-270	1/1/2004 – Today	If Source Type equals ‘N’ or ‘A’ then Contact Phone must be provided.	If SOURCE_TYPE = ‘N’ or ‘A’ Then CONTACT_PHONE <> ‘ ’
HD2-280	All	If Contact Country Code is equals to ‘US’ or blank then Contact State must equal a valid state postal code in LU_STATE or blank.	If CONTACT_COUNTRY = ‘US’ or ‘ ’ Then CONTACT_STATE = POSTAL_CODE in LU_STATE or ‘ ’
HD2-290	All	If Contact Country is not equal to ‘US’ or blank then Contact State must equal a valid value in LU_FOREIGN_STATE or blank.	If CONTACT_COUNTRY <> ‘US’ or ‘ ’ Then CONTACT_STATE = STATE_CODE in LU_FOREIGN_STATE or ‘ ’
HD2-300	All	Contact Country Code must be a valid value in LU_COUNTRY. If Contact Country Code is blank, a value of ‘US’ will be assumed.	CONTACT_COUNTRY = COUNTRY_CODE in LU_COUNTRY or ‘ ’
HD2-310	Prior to 4/1/2010	If Source Type equals ‘N’ or ‘A’ then Federal Generator Status Owner must equal ‘HQ’. If Source Type equals ‘I’, ‘E’, or ‘T’ then Federal Generator Status Owner 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 ‘ ’
	4/1/2010 - Today	Federal Waste Generator Owner must equal ‘HQ’.	FED_WASTE_GENERATOR_OWNER = ‘HQ’
HD2-320	All	If Federal Generator Status is provided then Federal Generator Status Owner must be provided. If Federal Generator Status Owner is provided then Federal Generator Status must be provided.	If FED_WASTE_GENERATOR <> ‘ ’ Then FED_WASTE_GENERATOR_OWNER <> ‘ ’ If FED_WASTE_GENERATOR_OWNER <> ‘ ’ Then FED_WASTE_GENERATOR <> ‘ ’

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-330	Prior to 4/1/2010	If Source Type equals 'N' or 'A' then Federal Generator Status must equal a valid nationally-defined value in LU_GENERATOR_STATUS. If Source Type equals 'I', 'E', or 'T' then Federal Generator Status must equal a valid nationally-defined value in LU_GENERATOR_STATUS or blank.	If SOURCE_TYPE = 'N' or 'A' Then FED_WASTE_GENERATOR = nationally-defined WASTE_GENERATOR_STATUS_CODE in LU_GENERATOR_STATUS If SOURCE_TYPE = 'I' or 'E' or 'T' Then FED_WASTE_GENEATOR = nationally-defined WASTE_GENERATOR_STATUS_CODE in LU_GENERATOR_STATUS or ' '
	4/1/2010 - Today	Federal Generator Status must equal a valid nationally-defined value in LU_GENERATOR_STATUS.	FED_WASTE_GENERATOR = nationally-defined WASTE_GENERATOR_STATUS_CODE in LU_GENERATOR_STATUS
HD2-340	Prior to 4/1/2010	If Source Type equals 'N' or 'A' then State Generator Status Owner must equal submitter's agency. If Source Type equals 'I', 'E', or 'T' then State Generator Status Owner must equal submitter's agency or blank.	If SOURCE_TYPE = 'N' or 'A' Then STATE_WASTE_GENERATOR_OWNER = submitter's agency If SOURCE_TYPE = 'I' or 'E' or 'T' Then STATE_WASTE_GENERATOR_OWNER = submitter's agency or ' '
	4/1/2010 - Today	State Waste Generator Owner must equal submitter's agency.	STATE_WASTE_GENERATOR_OWNER = submitter's agency
HD2-350	All	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 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-360	Prior to 4/1/2010	If Source Type equals ‘N’ or ‘A’ then State Waste Generator Status must be a valid implementer-defined value in LU_GENERATOR_STATUS. If Source Type equals ‘I’, ‘E’, or ‘T’ then State Waste Generator Status must be a valid implementer-defined value in LU_GENERATOR_STATUS or blank.	If SOURCE_TYPE = ‘N’ or ‘A’ Then STATE_WASTE_GENERATOR = implementer-defined WASTE_GENERATOR_STATUS_CODE in LU_GENERATOR_STATUS If SOURCE_TYPE = ‘I’, ‘E’, or ‘T’ Then STATE_WASTE_GENERATOR = implementer-defined WASTE_GENERATOR_STATUS_CODE in LU_GENERATOR_STATUS or ‘ ’
	4/1/2010 - Today	State Waste Generator Status must be a valid implementer-defined value in LU_GENERATOR_STATUS.	STATE_WASTE_GENERATOR = implementer-defined WASTE_GENERATOR_STATUS_CODE in LU_GENERATOR_STATUS
HD2-370	All	Short-Term Generator must equal ‘Y’, ‘N’, or ‘U’	SHORT_TERM_GENERATOR = ‘Y’ or ‘N’ or ‘U’
HD2-375	All	If Short-Term Generator equals ‘Y’ then Notes must be provided.	If SHORT_TERM_GENERATOR = ‘Y’ Then NOTES <> ‘ ’
HD2-380	Prior to 1/1/2004	Importer Activity must equal ‘Y’, ‘N’, or ‘U’	IMPORTER_ACTIVITY = ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Importer Activity must equal ‘Y’ or ‘N’	IMPORTER_ACTIVITY = ‘Y’ or ‘N’
HD2-390	Prior to 1/1/2004	Mixed Waste Generator must equal ‘Y’, ‘N’, or ‘U’	MIXED_WASTE_GENERATOR = ‘Y’ or ‘N’ or ‘U’

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Mixed Waste Generator must equal ‘Y’ or ‘N’	MIXED_WASTE_GENERATOR = ‘Y’ or ‘N’
HD2-400	Prior to 1/1/2004	Transporter must equal ‘Y’, ‘N’, or ‘U’	TRANSPORTER must equal ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	If Source Type equals ‘N’ or ‘A’ then Transporter must equal ‘Y’ or ‘N’. If Source Type equals ‘I’, ‘E’, or ‘T’ then Transporter must equal ‘Y’, ‘N’, or ‘U’.	If SOURCE_TYPE = ‘N’ or ‘A’ Then TRANSPORTER = ‘Y’ or ‘N’ If SOURCE_TYPE = ‘I’ or ‘E’ or ‘T’ Then TRANSPORTER = ‘Y’ or ‘N’ or ‘U’
	4/1/2010 - Today	Transporter must equal ‘Y’ or ‘N’	TRANSPORTER = ‘Y’ or ‘N’
HD2-410	All	Transfer Facility must equal ‘Y’, ‘N’, or ‘U’	TRANSFER_FACILITY = ‘Y’ or ‘N’ or ‘U’
HD2-420	Prior to 1/1/2004	TSD Activity must equal ‘Y’, ‘N’, or ‘U’	TSD_ACTIVITY must equal ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	TSD Activity must equal ‘Y’ or ‘N’	TSD_ACTIVITY = ‘Y’ or ‘N’
HD2-430	Prior to 1/1/2004	Recycler Activity must equal ‘Y’, ‘N’, or ‘U’	RECYCLER_ACTIVITY must equal ‘Y’ or ‘N’ or ‘U’

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Recycler Activity must equal ‘Y’ or ‘N’	RECYCLER_ACTIVITY = ‘Y’ or ‘N’
HD2-440	Prior to 1/1/2004	On-site Burner Exemption must equal ‘Y’, ‘N’, or ‘U’	ONSITE_BURNER_EXEMPTION must equal ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	If Source Type equals ‘N’ or ‘A’ then On-site Burner Exemption must equal ‘Y’ or ‘N’. If Source Type equals ‘I’, ‘E’, or ‘T’ then 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’
	4/1/2010 - Today	On-site Burner Exemption must equal ‘Y’ or ‘N’	ONSITE_BURNER_EXEMPTION = ‘Y’ or ‘N’
HD2-450	Prior to 1/1/2004	Furnace Exemption must equal ‘Y’, ‘N’, or ‘U’	FURNACE_EXEMPTION must equal ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Furnace Exemption must equal ‘Y’ or ‘N’	FURNACE_EXEMPTION = ‘Y’ or ‘N’
HD2-460	Prior to 1/1/2004	Underground Injection Activity must equal ‘Y’, ‘N’, or ‘U’	UNDERGROUND_INJECTION_ACTIVITY must equal ‘Y’ or ‘N’ or ‘U’

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Underground Injection Activity must equal ‘Y’ or ‘N’	UNDERGROUND_INJECTION_ACTIVITY = ‘Y’ or ‘N’
HD2-470	Prior to 3/31/2010	Receives Hazardous Waste From Off-site must equal ‘Y’, ‘N’, or ‘U’	OFF_SITE_RECEIPT = ‘Y’ or ‘N’ or ‘U’
	4/1/2010 - Today	Receives Hazardous Waste From Off-site must equal ‘Y’ or ‘N’	OFF_SITE_RECEIPT = ‘Y’ or ‘N’
HD2-480	Prior to 1/1/2004	Universal Waste Destination Facility must equal ‘Y’, ‘N’, or ‘U’	UNIVERSAL_WASTE_DEST_FACILITY must equal ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Universal Waste Destination Facility must equal ‘Y’ or ‘N’	UNIVERSAL_WASTE_DEST_FACILITY = ‘Y’ or ‘N’
HD2-490	Prior to 1/1/2004	Used Oil Transporter must equal ‘Y’, ‘N’, or ‘U’	USED_OIL_TRANSPORTER must equal ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Used Oil Transporter must equal ‘Y’ or ‘N’	USED_OIL_TRANSPORTER = ‘Y’ or ‘N’

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-500	Prior to 1/1/2004	Used Oil Transfer Facility must equal ‘Y’, ‘N’, or ‘U’	USED_OIL_TRANSFER_FACILITY must equal ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Used Oil Transfer Facility must equal ‘Y’ or ‘N’	USED_OIL_TRANSFER_FACILITY = ‘Y’ or ‘N’
HD2-510	Prior to 1/1/2004	Used Oil Processor must equal ‘Y’, ‘N’, or ‘U’	USED_OIL_PROCESSOR must equal ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Used Oil Processor must equal ‘Y’ or ‘N’	USED_OIL_PROCESSOR = ‘Y’ or ‘N’
HD2-520	Prior to 1/1/2004	Used Oil Refiner must equal ‘Y’, ‘N’, or ‘U’	USED_OIL_REFINER must equal ‘Y’ or ‘N’ or ‘U’
	1/1/2004 – 3/31/2010	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’
	4/1/2010 - Today	Used Oil Refiner must equal ‘Y’ or ‘N’	USED_OIL_REFINER = ‘Y’ or ‘N’
HD2-530	Prior to 1/1/2004	Off-specification Used Oil Burner must equal ‘Y’, ‘N’, or ‘U’	USED_OIL_BURNER must equal ‘Y’ or ‘N’ or ‘U’

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
	1/1/2004 – 3/31/2010	If Source Type equals 'N' or 'A' then Off-specification Used Oil Burner must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Off-specification Used Oil 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'
	4/1/2010 - Today	Off-specification Used Oil Burner must equal 'Y' or 'N'	USED_OIL_BURNER = 'Y' or 'N'
HD2-540	Prior to 1/1/2004	Marketer Who Directs Shipment of Off-specification Used Oil to Off-specification Used Oil Burner must equal 'Y', 'N', or 'U'	USED_OIL_MARKET_BURNER must equal 'Y' or 'N' or 'U'
	1/1/2004 – 3/31/2010	If Source Type equals 'N' or 'A' then Marketer Who Directs Shipment of Off-specification Used Oil to Off-specification Used Oil Burner must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Marketer Who Directs Shipment of Off-specification Used Oil to Off-specification Used Oil 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'
	4/1/2010 - Today	Marketer Who Directs Shipment of Off-specification Used Oil to Off-specification Used Oil Burner must equal 'Y' or 'N'	USED_OIL_MARKET_BURNER = 'Y' or 'N'
HD2-550	Prior to 1/1/2004	Marketer Who First Claims the Used Oil Meets the Specifications must equal 'Y', 'N', or 'U'	USED_OIL_SPEC_MARKETER must equal 'Y' or 'N' or 'U'
	1/1/2004 – 3/31/2010	If Source Type equals 'N' or 'A' then Marketer Who First Claims the Used Oil Meets the Specifications must equal 'Y' or 'N'. If Source Type equals 'I', 'E', or 'T' then Marketer Who First Claims the Used Oil Meets the Specifications 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'
	4/1/2010 - Today	Marketer Who First Claims the Used Oil Meets the Specifications must equal 'Y' or 'N'	USED_OIL_SPEC_MARKTER = 'Y' or 'N'

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-560	Prior to 4/1/2010	Opting into or currently operating under 40 CFR Part 262 Subpart K as a College or University must equal blank.	SUBPART_K_COLLEGE = ‘ ’
	4/1/2010 - Today	Opting into or currently operating under 40 CFR Part 262 Subpart K as a College or University must equal ‘Y’ or ‘N’	SUBPART_K_COLLEGE = ‘Y’ or ‘N’
HD2-570	Prior to 4/1/2010	Opting into or currently operating under 40 CFR Part 262 Subpart K as a Teaching Hospital must equal blank.	SUBPART_K_HOSPITAL = ‘ ’
	4/1/2010 - Today	Opting into or currently operating under 40 CFR Part 262 Subpart K as a Teaching Hospital must equal ‘Y’ or ‘N’	SUBPART_K_HOSPITAL = ‘Y’ or ‘N’
HD2-580	Prior to 4/1/2010	Opting into or currently operating under 40 CFR Part 262 Subpart K as a Non-Profit Research Institute must equal blank.	SUBPART_K_NONPROFIT = ‘ ’
	4/1/2010 - Today	Opting into or currently operating under 40 CFR Part 262 Subpart K as a Non-Profit Research Institute must equal ‘Y’ or ‘N’	SUBPART_K_NONPROFIT = ‘Y’ or ‘N’
HD2-590	Prior to 4/1/2010	Withdrawing from 40 CFR Part 262 Subpart K must equal blank.	SUBPART_K_WITHDRAWAL = ‘ ’
	4/1/2010 - Today	Withdrawing from 40 CFR Part 262 Subpart K must equal ‘Y’ or ‘N’	SUBPART_K_WITHDRAWAL = ‘Y’ or ‘N’
HD2-600	All	If Withdrawing from 40 CFR Part 262 Subpart K equals ‘Y’ then Opting into or currently operating under 40 CFR Part 262 Subpart K as a College or University must equal ‘N’ and Opting into or currently operating under 40 CFR Part 262 Subpart K as a Teaching Hospital must equal ‘N’ and Opting into or currently operating under 40 CFR Part 262 Subpart K as a Non-Profit Research Institute must equal ‘N’	If SUBPART_K_WITHDRAWAL = ‘Y’ Then SUBPART_K_COLLEGE = ‘N’ and SUBPART_K_HOSPITAL = ‘N’ and SUBPART_K_NONPROFIT = ‘N’

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-610	1/1/2004 – Today	If Source Type equals ‘N’ or ‘A’ then must have at least one record in HNAICS5 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 HNAICS5 or HD4 where NAICS_SEQ = 1
HD2-620	1/1/2004 - Today	If Source Type equals ‘N’ or ‘A’ then must have at least one record in HCERTIFICATION5 or HD8.	If SOURCE_TYPE = ‘N’ or ‘A’ Then HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HD2 must exist in HCERTIFICATION5 or HD8
HD2-630	1/1/2004 - Today	If Source Type equals ‘N’ or ‘A’ then at least one record must exist in HOWNER_OPERATOR5 or HD3 where Owner/Operator Indicator equals ‘CO’ and at least one record must exist in HOWNER_OPERATOR5 or HD3 where Owner/Operator Indicator equals ‘CP’.	If SOURCE_TYPE = ‘N’ or ‘A’ Then HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HD2 must have at least one record in HOWNER_OPERATOR5 or HD3 where OWNER_OPERATOR_INDICATOR = ‘CO’ and at least one record in HOWNER_OPERATOR5 or HD3 where OWNER_OPERATOR_INDICATOR = ‘CP’
HD2-640	4/1/2010 - Today	If Federal Generator Status equals ‘1’, ‘2’, or ‘3’, or TSD Activity equals ‘Y’ or Recycler Activity equals ‘Y’ or Small Quantity On-Site Burner Exemption equals ‘Y’ or Smelting, Melting, and Refining Furnace Exemption equals ‘Y’, then one waste code record must exist in HD6.	If FED_WASTE_GENERATOR = ‘1’ or ‘2’ or ‘3’ or TSD_ACTIVITY = ‘Y’ or RECYCLER_ACTIVITY = ‘Y’ or ONSITE_BURNER_EXEMPTION = ‘Y’ or FURNACE_EXEMPTION = ‘Y’ Then for HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HD2 there must be a record in HWASTE_CODE5 or HD6
HD2-650	All	If Location Country does not equal ‘US’ or blank Then HSM data cannot be provided.	If LOCATION_COUNTRY <> ‘US‘ or ‘ ’ Then for HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HD2 there cannot be a record in HHSM_BASIC5 or HDC
HD2-655	All	If Receive Date is less than December 29, 2008 Then HSM data cannot be provided.	If RECEIVE_DATE < ‘20081229’ Then for HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HD2 there cannot be a record in HHSM_BASIC5 or HDC

HD2 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD2-660	All	If Location Country does not equal 'US' or blank then the following activities must equal 'N': Federal Generator Status, Importer Activity, Short-Term Generator, Mixed Waste Generator, Transfer Facility, TSD Activity, Recycler Activity, On-site Burner Exemption, Furnace Exemption, Underground Injection Activity, Universal Waste Destination Facility, Used Oil Burner, Used Oil Transfer Facility, Used Oil Processor, Used Oil Refiner, Used Oil Specification Marketer, Used Oil Fuel Marketer, Subpart K-College, Subpart K-Hospital, Subpart K-Non-Profit, and Subpart K-Withdrawal.	If LOCATION_COUNTRY <> 'US' or ' ' Then FED_WASTE_GENERATOR = 'N' AND IMPORTER_ACTIVITY = 'N' AND SHORT_TERM_GENERATOR = 'N" AND MIXED_WASTE_GENERATOR = 'N' AND TRANSFER_FACILITY = 'N' AND TSD_ACTIVITY = 'N' AND RECYCLER_ACTIVITY = 'N' AND ONSITE_BURNER_EXEMPTION = 'N' AND FURNACE_EXEMPTION = 'N' AND UNDERGROUND_INJECTION_ACTIVITY = 'N' AND UNIVERSAL_WASTE_DEST_FACILITY = 'N' AND USED_OIL_BURNER = 'N' AND USED_OIL_TRANSFER_FACILITY = 'N' AND USED_OIL_PROCESSOR = 'N' AND USED_OIL_REFINER = 'N' AND USED_OIL_SPEC_MARKETER = 'N' AND SUBPART_K_COLLEGE = 'N' AND SUBPART_K_HOSPITAL = 'N' AND SUBPART_K_NONPROFIT = 'N' AND SUBPART_K_WITHDRAWAL = 'N'
HD2-670	1/1/2004 – Today	If Source Type equals 'A' then must have one record in HPART_A5 or HDA.	If SOURCE_TYPE = 'A' Then HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HD2 must exist in HPART_A5 or HDA
Additional Business Rules and Guidance			
The use of HHANDLER5 is mandatory.			

FLAT FILE ID# - HD3

Table Name: HOWNER_OPERATOR5

Staging Table Name: TR_HD3

Description: Handler Owner and Operator Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HD3-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HD3-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HD3-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HD3-010
5	OWNER_OPERATOR_SEQ[1]	21	4	I	Owner/Operator Sequence Number	Required	HD3-020
6	OWNER_OPERATOR_INDICATOR	25	2	A	Owner/Operator Indicator	Required	HD3-030
7	OWNER_OPERATOR_NAME	27	40	A	Owner/Operator Name	Required	HD3-040
8	OWNER_OPERATOR_TYPE	67	1	A	Owner/Operator Type	Required	HD3-050
9	DATE_BECAME_CURRENT	68	8	Date	Date the Owner/Operator Became the Current Owner/Operator	Cond. Required	HD3-060, HD3-080
10	DATE_ENDED_CURRENT	76	8	Date	Date the Owner/Operator Ended Being the Current Owner/Operator		HD3-070, HD3-080
11	STREET_NO	84	12	A	Owner/Operator Street Number		
12	STREET1	96	30	A	Owner/Operator Street Address 1		

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - HD3

Table Name: HOWNER_OPERATOR5

Staging Table Name: TR_HD3

Description: Handler Owner and Operator Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	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		HD3-090
16	COUNTRY	183	2	A	Owner/Operator Country Code		HD3-100, HD3-110
17	ZIP	185	14	A	Owner/Operator Zip Code		
18	PHONE	199	15	A	Owner/Operator Phone		
19	NOTES	114	2000	A	Notes		
Total Record Length:			**2213**				

HD3 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD3-000	All	Translator is not implementer of record for the Handler Module.	
HD3-001	All	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HD3-010	All	Handler ID, Source Type, and Sequence Number must exist in HHANDLER5 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD3 must exist in HHANDLER5 or HD2
HD3-020	All	Owner/Operator Sequence Number must be greater than zero.	OWNER_OPERATOR_SEQ > 0
HD3-030	Prior to 1/1/2004	Owner/Operator Indicator must equal ‘CO’, ‘CP’, ‘PO’, or ‘PP’.	OWNER_OPERATOR_INDICATOR = ‘CO’ or ‘CP’ or ‘PO’ or ‘PP’
	1/1/2004 - Today	Owner/Operator Indicator must equal ‘CO’ or ‘CP’.	OWNER_OPERATOR_INDICATOR = ‘CO’ or ‘CP’
HD3-040	All	Owner/Operator Name must be provided.	OWNER_OPERATOR_NAME <> ‘ ’
HD3-050	All	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	Prior to 1/1/2004	Date Became Current must be a valid date greater than or equal to January 1, 1600 or blank.	DATE_BECAME_CURRENT >= ‘16000101’ or ‘ ’
	1/1/2004 - Today	Date Became Current must be a valid date greater than or equal to January 1, 1600.	DATE_BECAME_CURRENT >= ‘16000101’
HD3-070	All	Date Ended Current must be a valid date greater than January 1, 1600, or blank.	DATE_ENDED_CURRENT >= ‘16000101’ or DATE_ENDED_CURRENT = ‘ ’

HD3 Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HD3-080	All	If Date Ended Current is not blank, then Date Ended Current must be greater than Date Became Current.	If DATE_ENDED_CURRENT <> ‘ ’ Then DATE_ENDED_CURRENT > DATE_BECAME_CURRENT
HD3-090	All	If Owner/Operator Country Code is equal to ‘US’ or blank then Owner/Operator State must be a valid state postal code in LU_STATE or blank.	If COUNTRY = ‘US’ or ‘ ’ Then STATE = POSTAL_CODE in LU_STATE or ‘ ’
HD3-100	All	Owner/Operator Country Code must be a valid value in LU_COUNTRY. If Owner/Operator Country Code is blank, a value of ‘US’ will be assumed.	COUNTRY = COUNTRY_CODE in LU_COUNTRY
HD3-110	All	If Owner/Operator Country is not equal to ‘US’ or blank then Owner/Operator State must equal a valid value in LU_FOREIGN_STATE or blank.	If COUNTRY <> ‘US’ or ‘ ’ Then STATE = STATE_CODE in LU_FOREIGN_STATE or ‘ ’
Additional Business Rules and Guidance			
The use of HOWNER_OPERATOR5 is mandatory.			

FLAT FILE ID# - HD4

Table Name: HNAICS5

Staging Table Name: TR_HD4

Description: Handler North American Industry Classification System Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HD4-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HD4-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HD4-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HD4-010
5	NAICS_SEQ[1]	21	4	I	NAICS Sequence Number	Required	HD4-020
6	NAICS_OWNER	25	2	A	NAICS Owner	Required	HD4-040
7	NAICS_CODE	27	6	A	NAICS Code	Required	HD4-030, HD4-050
Total Record Length:			**32**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

HD4 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HD4-000	Translator is not implementer of record for the Handler Module.	
HD4-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HD4-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER5 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD4 must exist in HHANDLER5 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 in LU_NAICS.	NAICS_CODE = NAICS_CODE in LU_NAICS
HD4-040	NAICS Owner must equal ‘HQ’	NAICS_OWNER = ‘HQ’
HD4-050	Duplicate NAICS code	NAICS_CODE <> NAICS_CODE for HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER in HNAICS5 or HD4
Additional Business Rules and Guidance		
• The use of HNAICS5 is mandatory.		

FLAT FILE ID# - HD5							
Table Name: HOTHER_PERMIT5 Staging Table Name: TR_HD5 Description: Handler Other Environmental Permits Information							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HD5-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HD5-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HD5-010, HD5-020
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HD5-010
5	OTHER_PERMIT_NUMBER[1]	21	13	A	Other Permit Number	Required	HD5-030
6	OTHER_PERMIT_OWNER	34	2	A	Other Permit Owner	Required	HD5-050
7	OTHER_PERMIT_TYPE	36	1	A	Other Permit Type	Required	HD5-040
8	OTHER_PERMIT_DESC	37	20	A	Other Permit Description	Required	HD5-060
Total Record Length:			**56**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

HD5 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HD5-000	Translator is not implementer of record for the Handler Module.	
HD5-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HD5-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER5 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD5 must exist in HHANDLER5 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 nationally- or implementer- defined value in LU_OTHER_PERMIT.	OTHER_PERMIT_TYPE = 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’
HD5-060	Other Permit Description must be provided.	OTHER_PERMIT_DESC <> ‘ ‘
Additional Business Rules and Guidance		
• The use of HOTHER_PERMIT5 is optional.		

FLAT FILE ID# - HD6							
Table Name: HWASTE_CODE Staging Table Name: TR_HD6 Description: Handler Waste Code Information							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HD6-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HD6-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HD6-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HD6-010
5	WASTE_CODE_OWNER[1]	21	2	A	Waste Code Owner	Required	HD6-030
6	WASTE_CODE[1]	23	6	A	Waste Code	Required	HD6-020
Total Record Length:			**28**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

HD6 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HD6-000	Translator is not implementer of record for the Handler Module.	
HD6-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HD6-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER5 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD6 must exist in HHANDLER5 or HD2
HD6-020	Waste Code must be a valid nationally- or implementer-defined value in LU_WASTE_CODE.	WASTE_CODE = 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’
Additional Business Rules and Guidance		
• The use of HWASTE_CODE5 is mandatory for Generators (LQG, SQG, or CESQG), TSDFs, Recyclers, Small Quantity On-site Burner Exemptions, and Smelting, Melting, and Refining Furnace Exemptions.		

FLAT FILE ID# - HD7							
Table Name: HUNIVERSAL_WASTE5 Staging Table Name: TR_HD7 Description: Handler Universal Waste Information							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HD7-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HD7-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HD7-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HD7-010
5	UNIVERSAL_WASTE_OWNER[1]	21	2	A	Universal Waste Owner	Required	HD7-015
6	UNIVERSAL_WASTE_TYPE[1]	23	1	A	Universal Waste Type	Required	HD7-020
7	ACCUMULATED	24	1	A	Accumulated/Managed	Required	HD7-030, HD7-060
8	GENERATED	25	1	A	Generated	Cond. Required	HD7-040, HD7-050
Total Record Length:			**25**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

HD7 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HD7-000	Translator is not implementer of record for the Handler Module.	
HD7-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HD7-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER5 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD7 must exist in HHANDLER5 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 in LU_UNIVERSAL_WASTE.	UNIVERSAL_WASTE_TYPE = 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’

Additional Business Rules and Guidance

- The use of HUNIVERSAL_WASTE5 is mandatory.
- 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: HCERTIFICATION5

Staging Table Name: TR_HD8

Description: Handler Certification Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HD8-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HD8-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HD8-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HD8-010
5	CERT_SEQ[1]	21	8	I	Certification Sequence Number	Required	HD8-020
6	CERT_SIGNED_DATE	29	8	Date	Certification Signed Date	Required	HD8-030
7	CERT_TITLE	37	45	A	Certification Title	Required	HD8-040
8	CERT_FIRST_NAME	82	15	A	Certification First Name	Required	HD8-050
9	CERT_MIDDLE_INITIAL	97	1	A	Certification Middle Initial		
10	CERT_LAST_NAME	98	15	A	Certification Last Name	Required	HD8-060
Total Record Length:			**112**				

[1]The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

HD8 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HD8-000	Translator is not implementer of record for the Handler Module.	
HD8-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HD8-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER5 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD8 must exist in HHANDLER5 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 the Received Date.	CERT_SIGNED_DATE >= ‘19800101’ and CERT_SIGNED_DATE <= RECEIVED_DATE in HHANDLER5 or HD2
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 <> ‘ ’
Additional Business Rules and Guidance		
• The use of HCERTIFICATION5 is mandatory.		

FLAT FILE ID# - HD9

Table Name: HSTATE_ACTIVITY5

Staging Table Name: TR_HD9

Description: Handler State Activity Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HD9-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HD9-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HD9-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HD9-010
5	STATE_ACTIVITY_OWNER[1]	21	2	A	State Activity Type Owner	Required	HD9-030
6	STATE_ACTIVITY_TYPE[1]	23	5	A	State Activity Type	Required	HD9-020
Total Record Length:			**27**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

HD9 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HD9-000	Translator is not implementer of record for the Handler Module.	
HD9-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HD9-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER5 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD9 must exist in HHANDLER5 or HD2
HD9-020	State Activity Type must be a valid implementer-defined value in LU_STATE_ACTIVITY.	STATE_ACTIVITY_TYPE = 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
Additional Business Rules and Guidance		
• The use of HSTATE_ACTIVITY5 is optional.		

FLAT FILE ID# - HDA

Table Name: HPART_A5

Staging Table Name: TR_HDA

Description: Permit Contact Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HDA-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HDA-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HDA-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HDA-010
5	PCONTACT_FIRST_NAME	21	15	A	Permit Contact First Name	Cond. Required	HDA-030
6	PCONTACT_MIDDLE_INITIAL	36	1	A	Permit Contact Middle Initial		
7	PCONTACT_LAST_NAME	37	15	A	Permit Contact Last Name	Cond. Required	HDA-040, HDA-100
8	PCONTACT_STREET_NO	52	12	A	Permit Contact Street Number		
9	PCONTACT_STREET1	64	30	A	Permit Contact Street Address 1		
10	PCONTACT_STREET2	94	30	A	Permit Contact Street Address 2		
11	PCONTACT_CITY	124	25	A	Permit Contact City		
12	PCONTACT_STATE	149	2	A	Permit Contact State		HDA-060, HDA-070

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - HDA

Table Name: HPART_A5

Staging Table Name: TR_HDA

Description: Permit Contact Information

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
13	PCONTACT_ZIP	151	14	A	Permit Contact Zip Code		
14	PCONTACT_COUNTRY	165	2	A	Permit Contact Country Code		HDA-060, HDA-070, HDA-080
15	PCONTACT_PHONE	167	15	A	Permit Contact Phone	Cond. Required	HDA-050, HDA-100
16	PCONTACT_PHONE_EXT	182	6	A	Permit Contact Phone Extension		
17	PCONTACT_EMAIL_ADDRESS	188	80	A	Permit Contact E-mail Address		
18	PCONTACT_TITLE	268	45	A	Permit Contact Title		
19	TSD_DATE	313	8	Date	Facility Existence Date	Cond. Required	HDA-090, HDA-100
Total Record Length:			**320**				

HDA Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HDA-000	All	Translator is not implementer of record for the Handler Module.	
HDA-001	All	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HDA-010	All	Handler ID, Source Type, and Sequence Number must exist in HHANDLER5 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HD9 must exist in HHANDLER5 or HD2
HDA-020	All	Source Type must equal ‘A’	SOURCE_TYPE = ‘A’
HDA-030	1/1/2004 - Today	Permit Contact First Name must be provided.	PCONTACT_FIRST_NAME <> ‘ ’
HDA-040	1/1/2004 – Today	Permit Contact Last Name must be provided.	PCONTACT_LAST_NAME <> ‘ ’
HDA-050	1/1/2004 – Today	Permit Contact Phone must be provided.	PCONTACT_PHONE <> ‘ ’
HDA-060	All	If Permit Contact Country Code equals ‘US’ or blank then Permit Contact State must equal a valid state postal code in LU_STATE or blank.	If PCONTACT_COUNTRY = ‘US’ or ‘ ’ Then PCONTACT_STATE = POSTAL_CODE in LU_STATE or ‘ ’
HDA-070	All	If Permit Contact Country Code is not equal to ‘US’ or blank then Permit Contact State must equal a valid value in LU_FOREIGN_STATE or blank.	If PCONTACT_COUNTRY <> ‘US’ or ‘ ’ Then PCONTACT_STATE = STATE_CODE in LU_FOREIGN_STATE or ‘ ’
HDA-080	All	Permit Contact Country Code must be a valid value in LU_COUNTRY. If Permit Contact Country Code is blank, a value of ‘US’ will be assumed.	PCONTACT_COUNTRY = COUNTRY_CODE in LU_COUNTRY or ‘ ’

HDA Flat File Edit Specifications			
Edit Number	**Receive Date**	**Edit Description**	**Select Logic**
HDA-090	1/1/2004 – Today	TSD Date must be provided.	TSD_DATE <> ‘ ’
HDA-100	All	Permit Contact Last Name, Permit Contact Phone Number, or TSD Date must be provided.	PCONTACT_LAST_NAME <> ‘ ’ or PCONTACT_PHONE <> ‘ ’ or TSD_DATE <> ‘ ’
Additional Business Rules and Guidance			
• The use of HPART_A5 is mandatory.			

FLAT FILE ID# - HDB							
Table Name: HOTHER_ID5 Staging Table Name: TR_HDB Description: Handler ID History Information							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HDB-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HDB-010
3	OTHER_ID[1]	14	12	A	Other Handler ID	Required	HDB-020
4	RELATIONSHIP_OWNER	26	2	A	Relationship Owner	Required	HDB-030
5	RELATIONSHIP	28	1	A	Relationship	Required	HDB-040
6	SAME_FACILITY	29	1	A	Same Facility Indicator	Required	HDB-050
7	NOTES	30	2000	A	Notes		
Total Record Length:			**2029**				

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.

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = 'D').

HDB Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HDB-000	Translator is not implementer of record for the Handler Module.	
HDB-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HDB-010	Handler ID must exist in HBASIC or HD2.	HANDLER_ID must exist in HBASIC or HD2
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 nationally- or implementer-defined value in LU_RELATIONSHIP	RELATIONSHIP = RELATIONSHIP in LU_RELATIONSHIP
HDB-050	Same Facility must equal ‘U’, ‘Y’, or ‘N’	SAME_FACILITY = ‘U’ or ‘Y’ or ‘N’
Additional Business Rules and Guidance		
• The use of HOTHER_ID5 is optional.		

FLAT FILE ID# - HDC							
Table Name: HHSM_BASIC5 Staging Table Name: TR_HDC Description: Hazardous Secondary Material Basic Information							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HDC-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HDC-010, HDC-070
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HDC-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HDC-010
5	REASON_FOR_NOTIFICATION	21	1	A	Reason for Notification	Required	HDC-030, HDC-040, HDC-060
6	HSM_EFFECTIVE_DATE	22	8	Date	Hazardous Secondary Material Effective Date	Cond. Required	HDC-040
7	HSM_FA	30	1	A	Hazardous Secondary Material Financial Assurance	Required	HDC-050
Total Record Length:			**30**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = 'D').

HDC Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HDC-000	Translator is not implementer of record for the Handler Module.	
HDC-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HDC-010	Handler ID, Source Type, and Sequence Number must exist in HHANDLER5 or HD2.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HDC must exist in HHANDLER5 or HD2
HDC-020	The Receive Date in HHANDLER5 or HD2 must be greater than or equal to December 29, 2008.	RECEIVE_DATE in HHANDLER5 or HD2 >= ‘20081229’
HDC-030	Reason for Notification must equal ‘I’, ‘R’, or ‘S’.	REASON_FOR_NOTIFICATION = ‘I’ or ‘R’ or ‘S’
HDC-040	If Reason for Notification equals ‘I’ or ‘S’ then Hazardous Secondary Material Effective Date must be greater than December 29, 2008. If Reason for Notification equals ‘R’ then Hazardous Secondary Material Effective Date must be blank.	If REASON_FOR_NOTIFICATION = ‘I’ or ‘S’ Then HSM_EFFECTIVE_DATE >= ‘20081229’ If REASON_FOR_NOTIFCATION = ‘R’ Then HSM_EFFECTIVE_DATE = blank
HDC-050	If Facility Code in HHSM_ACTIVITY5 or HDD equals ‘07’, ‘08’, or ’11’ then Hazardous Secondary Material Financial Assurance must equal ‘Y’ or ‘N’ If Facility Code in HHSM_ACTIVITY5 or HDD is not equal to ‘07’, ‘08’, or ‘11’ then Hazardous Secondary Material Financial Assurance must equal ‘N’	If FACILITY_CODE in HHSM_ACTIVITY5 or HDD = ‘07’ or ‘08’ or ‘11’ Then HSM_FA = ‘Y’ or ‘N’ If FACILITY_CODE in HHSM_ACTIVITY5 or HDD <> ‘07’ or ‘08’ or ‘11’ Then HSM_FA = ‘N’
HDC-060	If Reason for Notification equals ‘R’ or ‘S’ then there must be a record in HHSM_BASIC5 or HDC where Reason for Notification equals ‘I’	If REASON_FOR_NOTIFICATION = ‘R’ or ‘S’ Then there must be a record in HHSM_BASIC5 or HDD where REASON_FOR_NOTIFICATION = ‘I’ for this facility.

HDC Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HDC-070	For each handler in HDC, one HSM activity record must exist in HSM_ACTIVITY5 or HDD.	For each HANDLER_ID in HDC there must be a record in HSM_ACTIVITY5 or HDD.
Additional Business Rules and Guidance		
• The use of HHSM_BASIC5 is mandatory for States that have adopted the Definition of Solid Waste rule.		

FLAT FILE ID# - HDD							
Table Name: HHSM_ACTIVITY5 Staging Table Name: TR_HDD Description: Hazardous Secondary Material Activity							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HDD-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HDD-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HDD-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HDD-010
5	HSM_SEQ_NUMBER[1]	21	2	I	Hazardous Secondary Material Sequence Number	Required	HDD-020
6	FACILITY_CODE	23	2	A	Facility Code	Required	HDD-030
7	ESTIMATE_SHORT_TONS	25	10	I	Estimated Tons of HSM Managed Annually	Required	HDD-040, HDD-050
8	ACTUAL_SHORT_TONS	35	10	I	Actual Tons of HSM Managed Annually	Required	HDD-060, HDD-070, HDD-080
9	LAND_BASED_UNIT	45	2	A	Land-based Unit Code	Required	HDD-090
Total Record Length:			**46**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

HDD Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HDD-000	Translator is not implementer of record for the Handler Module.	
HDD-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HDD-010	Handler ID, Source Type, and Sequence Number must exist in HHSM_BASIC5 or HDC.	HANDLER_ID, SOURCE_TYPE, and SEQ_NUMBER in HDD must exist in HHSM_BASIC5 or HDC
HDD-020	Hazardous Secondary Material Sequence Number must be greater than zero.	HSM_SEQUENCE_NUMBER > 0
HDD-030	Facility Code must be a valid nationally-defined value in LU_HSM_FACILITY_CODE.	FACILITY_CODE = FACILITY_CODE in LU_HSM_FACILITY_CODE
HDD-040	If Reason for Notification equals ‘I’ or ‘R’ then Estimated Tons of HSM Managed Annually must be greater than zero.	If REASON_FOR_NOTIFICATION = ‘N’ or ‘R’ Then ESTIMATE_SHORT_TONS > 0
HDD-050	If Reason for Notification equals ‘S’ then Estimated Tons of HSM Managed Annually must equal zero.	If REASON_FOR_NOTIFICATION = ‘S’ Then ESTIMATE_SHORT_TONS = 0
HDD-060	If Reason for Notification equals ‘R’ then Actual Tons of HSM Managed Annually must be greater than or equal to zero.	If REASON_FOR_NOTIFICATION = ‘R’ Then ACTUAL_SHORT_TONS >= 0
HDD-070	If Reason for Notification equals ‘I’ then Actual Tons of HSM Managed Annually must equal zero.	If REASON_FOR_NOTIFICATION = ‘I’ Then ACTUAL_SHORT_TONS = 0
HDD-080	If Reason for Notification equals ‘S’ then Actual Tons of HSM Managed Annually must be greater than or equal to zero.	If REASON_FOR_NOTIFICATION = ‘S’ Then ACTUAL_SHORT_TONS >= 0
HDD-090	Land-based Unit Code must equal ‘NA’, ‘SI’, ‘PL’, or ‘OT’	LAND_BASED_UNIT = ‘NA’ or ‘SI’ or ‘PL’ or ‘OT’

HDD Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HDD-100	For each handler/HSM sequence number in HDD, one HSM waste code record must exist in HSM_WASTE_CODE5 or HDE.	For each HANDLER_ID and HSM_SEQ_NUMBER in HDD there must be a record in HSM_WASTE_CODE5 or HDE.
Additional Business Rules and Guidance		
• The use of HHSM_ACTIVITY5 is mandatory for States that have adopted the Definition of Solid Waste rule.		

FLAT FILE ID# - HDE							
Table Name: HHSM_WASTE_CODE5 Staging Table Name: TR_HDE Description: Hazardous Secondary Material Waste Codes							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	HDE-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	HDE-010
3	SOURCE_TYPE[1]	14	1	A	Source Type	Required	HDE-010
4	SEQ_NUMBER[1]	15	6	I	Handler Sequence Number	Required	HDE-010
5	HSM_SEQ_NUMBER[1]	21	2	I	Hazardous Secondary Material Sequence Number	Required	HDE-010
6	WASTE_CODE_OWNER[1]	23	2	A	EPA Hazardous Waste Code Owner	Required	HDE-020
7	WASTE_CODE[1]	25	4	A	EPA Hazardous Waste Code	Required	HDE-030
Total Record Length:			**28**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

HDE Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
HDE-000	Translator is not implementer of record for the Handler Module.	
HDE-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
HDE-010	Handler ID, Source Type, Sequence Number, and HSM Sequence Number must exist in HHSM_ACTIVITY5 or HDD.	HANDLER_ID, SOURCE_TYPE, SEQ_NUMBER, and HSM_SEQUENCE_NUMBER in HDE must exist in HHSM_ACTIVITY5 or HDD
HDE-020	EPA Waste Code Owner must equal ‘HQ’.	WASTE_CODE_OWNER = ‘HQ’
HDE-030	EPA Waste Code must be a valid nationally-defined value in LU_WASTE_CODE.	WASTE_CODE = nationally-defined WASTE_CODE in LU_WASTE_CODE
Additional Business Rules and Guidance		
• The use of HHSM_WASTE_CODE5 is mandatory for States that have adopted the Definition of Solid Waste rule.		

FLAT FILE ID# - PM1							
Table Name: PSERIES4 Staging Table Name: TR_PM1 Description: Permit Series Data							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	PM1-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	PM1-010, PM1-050
3	SERIES_SEQ[1]	14	4	I	Series Sequence Number	Required	PM1-020, PM1-050
4	SERIES_NAME	18	40	A	Series Name	Required	PM1-030
5	RESPONSIBLE_PERSON_OWNER	58	2	A	EPA Responsible Person Owner	Cond. Required	PM1-035, PM1-036
6	RESPONSIBLE_PERSON	60	5	A	EPA Responsible Person ID	Cond. Required	PM1-040, PM1-036
7	NOTES	65	2000	A	Notes		
Total Record Length:			**2064**				

[1] 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.	
PM1-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
PM1-010	Handler ID must exist in HBASIC.	HANDLER_ID in PM1 must exist in HBASIC
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 in LU_STAFF or blank.	RESPONSIBLE_PERSON = PERSON_IDENTIFIER in LU_STAFF or ‘ ’
PM1-050	At least one record must exist in PEVENT4 or PM2.	HANDLER_ID, SERIES_SEQ in PM1 must exist in PEVENT4 or PM2

Additional Business Rules and Guidance

- It is recommended that the Series name be unique within a handler, but this rule is not enforced.
- The use of PSERIES4 is mandatory.

FLAT FILE ID# - PM2

Table Name: PEVENT4

Staging Table Name: TR_PM2

Description: Permit Event Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	PM2-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	PM2-010, PM2-120
3	SERIES_SEQ[1]	14	4	I	Series Sequence Number	Required	PM2-010, PM2-120
4	EVENT_OWNER[1]	18	2	A	Permit Event Code Owner	Required	PM2-015, PM2-120
5	EVENT_CODE[1]	20	7	A	Permit Event Code	Required	PM2-020, PM2-120
6	EVENT_AGENCY[1]	27	1	A	Permit Event Responsible Agency	Required	PM2-030, PM2-120
7	EVENT_SEQ[1]	28	3	I	Event Sequence Number	Required	PM2-040, PM2-120
8	ACTUAL_DATE	31	8	Date	Actual Date of Event	Cond. Required	PM2-050, PM2-080
9	SCHEDULE_DATE_ORIG	39	8	Date	Original Scheduled Event Date	Cond. Required	PM2-060, PM2-090
10	SCHEDULE_DATE_NEW	47	8	Date	New Scheduled Event Date		PM2-070

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - PM2

Table Name: PEVENT4

Staging Table Name: TR_PM2

Description: Permit Event Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
11	RESPONSIBLE_PERSON_OWNER	55	2	A	Event Responsible Person Owner	Cond. Required	PM2-095, PM2-096
12	RESPONSIBLE_PERSON	57	5	A	Event Responsible Person ID	Cond. Required	PM2-100, PM2-096
13	SUBORGANIZATION_OWNER	62	2	A	Event Responsible Suborganization Owner	Cond. Required	PM2-105, PM2-106
14	SUBORGANIZATION	64	10	A	Event Responsible Suborganization	Cond. Required	PM2-110, PM2-106
15	NOTES	74	2000	A	Notes		
Total Record Length:			**2073**				

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.	
PM2-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
PM2-010	Handler ID and Series Sequence Number must exist in PSERIES4 or PM1.	HANDLER_ID and SERIES_SEQ in PM2 must exist in PSERIES4 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 in LU_PERMIT_EVENT_CODE.	EVENT_CODE = 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	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 <> ‘ ’
PM2-100	Event Responsible Person must be a valid implementer-defined value in LU_STAFF or blank.	RESPONSIBLE_PERSON = 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	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 <> ‘ ’
PM2-110	Event Responsible Suborganization must be a valid implementer- defined value in LU_SUBORGANIZATION or blank.	SUBORGANIZATION = SUBORGANIZATION in LU_SUBORGANIZATION or ‘ ’
PM2-120	Handler ID, Series Sequence Number, Event Sequence Number, Event Agency, Event Code Owner, and Event Code must exist in PLN_EVENT_UNIT_DETAIL4 or PM5.	HANDLER_ID, SERIES_SEQ, EVENT_SEQ, EVENT_AGENCY, EVENT_OWNER, EVENT CODE in PM2 must exist in PLN_EVENT_UNIT_DETAIL4 or PM5
Additional Business Rules and Guidance		
• The use of PEVENT4 is mandatory.		

FLAT FILE ID# - PM3							
Table Name: PUNIT4 Staging Table Name: TR_PM3 Description: Permit Unit Data							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	PM3-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	PM3-010, PM3-040
3	UNIT_SEQ[1]	14	4	I	Process Unit Sequence Number	Required	PM3-020, PM3-040
4	UNIT_NAME	18	40	A	Process Unit Name	Required	PM3-030
5	NOTES	58	2000	A	Notes		
Total Record Length:			**2057**				

[1] 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.	
PM3-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
PM3-010	Handler ID must exist in HBASIC.	HANDLER_ID in PM3 must exist in HBASIC
PM3-020	Process Unit Sequence Number must be greater than zero.	UNIT_SEQ > 0
PM3-030	Process Unit Name must be provided.	UNIT_NAME <> ‘ ’
PM3-040	At least one record must exist in PUNIT_DETAIL4 or PM4.	HANDLER_ID, UNIT_SEQ in PM3 must exists in PUNIT_DETAIL4 or PM4

Additional Business Rules and Guidance

- It is recommended that the Unit Name be unique within a handler, but this rule is not enforced.
- The use of PUNIT4 is mandatory.

FLAT FILE ID# - PM4

Table Name: PUNIT_DETAIL4

Staging Table Name: TR_PM4

Description: Permit Unit Group Detail Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	PM4-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	PM4-010
3	UNIT_SEQ[1]	14	4	I	Process Unit Sequence Number	Required	PM4-010
4	UNIT_DETAIL_SEQ[1]	18	3	I	Process Unit Detail Sequence Number	Required	PM4-020
5	PROCESS_CODE_OWNER	21	2	A	Process Code Owner	Required	PM4-025
6	PROCESS_CODE	23	3	A	Process Code	Required	PM4-030
7	UOM_OWNER	26	2	A	Unit of Measure Owner	Required	PM4-026
8	UOM_TYPE	28	1	A	Unit of Measure	Required	PM4-030
9	EFFECTIVE_DATE	29	8	Date	Process Status Effective Date	Required	PM4-040
10	CAPACITY	37	15	D14,3	Process Capacity	Required	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	Required	PM4-070

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - PM4

Table Name: PUNIT_DETAIL4

Staging Table Name: TR_PM4

Description: Permit Unit Group Detail Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
13	COMMERCIAL_STATUS	60	1	A	Commercial Status	Required	PM4-080
14	LEGAL_OPERATING_STATUS_OWNER	61	2	A	Legal/Operating Status Owner	Required	PM4-085
15	LEGAL_OPERATING_STATUS	63	4	A	Legal/Operating Status	Required	PM4-090
16	STANDARDIZED_PERMIT_IND	67	1	A	Standardized Permit Indicator	Required	PM4-100
17	NOTES	68	2000	A	Notes		
Total Record Length:			**2067**				

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.	
PM4-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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 in LU_PROCESS_CODE.	PROCESS_CODE = PROCESS_CODE and UOM_TYPE = UOM_TYPE 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 in LU_LEGAL_OPERATING_STATUS.	LEGAL_OPERATING_STATUS = LEG_OP_STATUS_CODE in LU_LEGAL_OPERATING_STATUS
PM4-100	Standardized Permit Indicator must equal ‘Y’ or ‘N’.	STANDARDIZED_PERMIT_IND = ‘Y’ or ‘N’
Additional Business Rules and Guidance		
• The use of PUNIT_DETAIL4 is mandatory.		

FLAT FILE ID# - PM5							
Table Name: PLN_EVENT_UNIT_DETAIL4 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**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	PM5-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	PM5-010, PM5-020, PM5-030
3	SERIES_SEQ[1]	14	4	I	Series Sequence Number	Required	PM5-010, PM5-030
4	EVENT_OWNER[1]	18	2	A	Permit Event Code Owner	Required	PM5-010, PM5-030
5	EVENT_CODE[1]	20	7	A	Permit Event Code	Required	PM5-010, PM5-030
6	EVENT_AGENCY[1]	27	1	A	Event Responsible Agency	Required	PM5-010, PM5-030
7	EVENT_SEQ[1]	28	3	I	Event Sequence Number	Required	PM5-010, PM5-030
8	UNIT_SEQ[1]	31	4	I	Process Unit Sequence Number	Required	PM5-020, PM5-030
9	UNIT_DETAIL_SEQ[1]	35	3	I	Process Unit Detail Sequence Number	Required	PM5-020

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - PM5							
Table Name: PLN_EVENT_UNIT_DETAIL4							
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**	**Required / Cond. Required**	**Edit Number(s)**
Total Record Length:			**37**				

PM5 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
PM5-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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
PM5-030	The event (Handler ID, Series Seq, Event Owner, Event Code, Event Agency, and Event Seq) must be linked to one and only one Unit Detail within a Unit.	HANDLER_ID, SERIES_SEQ, EVENT_OWNER, EVENT_CODE, EVENT_AGENCY, EVENT_SEQ in PM5 must exist only once for each HANDLER_ID, UNIT_SEQ in PLN_EVENT_UNIT_DETAIL4 or PM5.
Additional Business Rules and Guidance		
• The use of PLN_EVENT_UNIT_DETAIL4 is mandatory.		

FLAT FILE ID# - PM6							
Table Name: PLN_UNIT_DETAIL_WASTE4 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**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	PM6-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	PM6-010
3	UNIT_SEQ[1]	14	4	I	Process Unit Sequence Number	Required	PM6-010
4	UNIT_DETAIL_SEQ[1]	18	3	I	Process Unit Detail Sequence Number	Required	PM6-010
5	WASTE_CODE_OWNER[1]	21	2	A	Waste Code Owner	Required	PM6-020
6	WASTE_CODE[1]	23	6	A	Waste Code	Required	PM6-020
Total Record Length:			**28**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

PM6 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
PM6-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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.
Additional Business Rules and Guidance		
• The use of PLN_UNIT_DETAIL_WASTE4 is optional.		

FLAT FILE ID# - PM7							
Table Name: PLN_EVENT_COMMITMENT4 Staging Table Name: TR_PM7 Description: Linking Data for Permit Event and Commitment							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	PM7-001
2	COM_LEAD[1]	2	2	A	Commitment Lead	Required	PM7-010
3	COM_SEQ[1]	4	6	I	Commitment Sequence Number	Required	PM7-010
4	HANDLER_ID[1]	10	12	A	EPA Handler ID	Required	PM7-020
5	SERIES_SEQ[1]	22	4	I	Series Sequence Number	Required	PM7-020
6	EVENT_OWNER[1]	26	2	A	Permit Event Code Owner	Required	PM7-020
7	EVENT_CODE[1]	28	7	A	Permit Event Code	Required	PM7-020
8	EVENT_AGENCY[1]	35	1	A	Event Responsible Agency	Required	PM7-020
9	EVENT_SEQ[1]	36	3	I	Event Sequence Number	Required	PM7-020
Total Record Length:			**38**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

PM7 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
PM7-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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.
Additional Business Rules and Guidance		
• The use of PLN_EVENT_COMMITMENT4 is optional.		

FLAT FILE ID# - CA1

Table Name: AAREA4

Staging Table Name: TR_CA1

Description: Corrective Action Area Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	CA1-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CA1-010
3	AREA_SEQ[1]	14	4	I	Area Sequence Number	Required	CA1-020
4	ENTIRE_FACILITY_IND	18	1	A	Area Entire Facility Indicator	Required	CA1-030, CA1-040
5	AREA_NAME	19	40	A	Area Name	Required	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	Cond. Required	CA1-105, CA1-106
12	EPA_RESPONSIBLE_PERSON	66	5	A	EPA Responsible Person ID	Cond. Required	CA1-110, CA1-106

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - CA1

Table Name: AAREA4

Staging Table Name: TR_CA1

Description: Corrective Action Area Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
13	STATE_RESPONSIBLE_PERSON_OWNER	71	2	A	State Responsible Person Owner	Cond. Required	CA1-115, CA1-116
14	STATE_RESPONSIBLE_PERSON	73	5	A	State Responsible Person ID	Cond. Required	CA1-120, CA1-116
15	NOTES	78	2000	A	Notes		
Total Record Length:			**2077**				

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.	
CA1-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
CA1-010	Handler ID must exist in HBASIC.	HANDLER_ID in CA1 must exist in HBASIC
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 in LU_STAFF or blank.	EPA_RESPONSIBLE_PERSON = PERSON_IDENTIFIER in LU_STAFF or ‘ ’
CA1-115	State Responsible Person Owner must equal the submitter’s agency or blank.	STATE_RESPONSIBLE_PERSON_OWNER = submitter’s agency or ‘ ’

CA1 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
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 in LU_STAFF or blank.	STATE_RESPONSIBLE_PERSON = PERSON_IDENTIFIER in LU_STAFF or ‘ ’
Additional Business Rules and Guidance		
• It is recommended that the Area Name be unique within a handler, but this rule is not enforced. • The use of AAREA4 is mandatory.		

FLAT FILE ID# - CA2

Table Name: AAUTHORITY4

Staging Table Name: TR_CA2

Description: Corrective Action Authority Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	CA2-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CA2-010, CA2-120
3	AUTHORITY_OWNER[1]	14	2	A	Authority Type Owner	Required	CA2-015
4	AUTHORITY_TYPE[1]	16	1	A	Authority Type	Required	CA2-020, CA2-120
5	AUTHORITY_AGENCY[1]	17	1	A	Responsible Agency	Required	CA2-030. CA2-120
6	AUTHORITY_EFFECTIVE_DATE[1]	18	8	Date	Effective Date	Required	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

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - CA2

Table Name: AAUTHORITY4

Staging Table Name: TR_CA2

Description: Corrective Action Authority Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
11	SUBORGANIZATION_OWNER	44	2	A	Responsible Suborganization Owner	Cond. Required	CA2-085, CA2-086
12	SUBORGANIZATION	46	10	A	Responsible Suborganization	Cond. Required	CA2-090, CA2-086
13	RESPONSIBLE_PERSON_OWNER	56	2	A	Responsible Person Owner	Cond. Required	CA2-095, CA2-096
14	RESPONSIBLE_PERSON	58	5	A	Responsible Person Identifier	Cond. Required	CA2-100, CA2-096
15	NOTES	63	2000	A	Notes		
Total Record Length:			**2062**				

CA2 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CA2-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
CA2-010	Handler ID must exist in HBASIC.	HANDLER_ID in CA2 must exist in HBASIC
CA2-015	Authority Type Owner must equal ‘HQ’.	AUTHORITY_OWNER = ‘HQ’
CA2-020	Authority Type must be a valid nationally-defined value in LU_AUTHORITY.	AUTHORITY_TYPE = 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 in LU_SUBORGANIZATION or blank.	SUBORGANIZATION = SUBORGANIZATION in LU_SUBORGANIZATION or ‘ ’
CA2-095	Responsible Person Owner must equal the submitter’s agency or blank.	RESPONSIBLE_PERSON_OWNER = submitter’s agency or ‘ ’

CA2 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
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 in LU_STAFF or blank.	RESPONSIBLE_PERSON = 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
Additional Business Rules and Guidance		
• The use of AAUTHORITY4 is mandatory.		

FLAT FILE ID# - CA3							
Table Name: ALN_AUTHORITY_CITATION4 Staging Table Name: TR_CA3 Description: Linking Data for Authority and Citation							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	CA3-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CA3-010
3	AUTHORITY_OWNER[1]	14	2	A	Authority Type Owner	Required	CA3-010
4	AUTHORITY_TYPE[1]	16	1	A	Authority Type	Required	CA3-010
5	AUTHORITY_AGENCY[1]	17	1	A	Authority Responsible Agency	Required	CA3-010
6	AUTHORITY_EFFECTIVE_DATE[1]	18	8	Date	Authority Effective Date	Required	CA3-010
7	STATUTORY_OWNER[1]	26	2	A	Statutory Citation Owner	Required	CA3-020
8	STATUTORY_CITATION[1]	28	1	A	Statutory Citation	Required	CA3-020
Total Record Length:			**28**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CA3 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CA3-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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
Additional Business Rules and Guidance		
• The use of ALN_AUTHORITY_CITATION4 is mandatory.		

FLAT FILE ID# - CA4							
Table Name: AEVENT4 Staging Table Name: TR_CA4 Description: Corrective Action Event Data							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	CA4-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CA4-010, CA4-110, CA4-120
3	EVENT_OWNER[1]	14	2	A	Corrective Action Event Code Owner	Required	CA4-015, CA4-110, CA4-120
4	EVENT_CODE[1]	16	7	A	Corrective Action Event Code	Required	CA4-020, CA4-110, CA4-120, CA4-130
5	EVENT_AGENCY[1]	23	1	A	Event Responsible Agency	Required	CA4-030, CA4-110, CA4-120
6	EVENT_SEQ[1]	24	3	I	Event Sequence Number	Required	CA4-040, CA4-110, CA4-120

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - CA4

Table Name: AEVENT4

Staging Table Name: TR_CA4

Description: Corrective Action Event Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
7	ACTUAL_DATE	27	8	Date	Actual Date of Event	Cond. Required	CA4-050, CA4-070
8	SCHEDULE_DATE_ORIG	35	8	Date	Original Scheduled Event Date	Cond. Required	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	Cond. Required	CA4-085, CA4-086
11	SUBORGANIZATION	53	10	A	Event Responsible Suborganization	Cond. Required	CA4-090, CA4-086
12	RESPONSIBLE_PERSON_OWNER	63	2	A	Event Responsible Person Owner	Cond. Required	CA4-095, CA4-096
13	RESPONSIBLE_PERSON	65	5	A	Event Responsible Person ID	Cond. Required	CA4-100, CA4-096
14	NOTES	70	2000	A	Notes	Cond. Required	CA4-130
Total Record Length:			**2069**				

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.	
CA4-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
CA4-010	Handler ID must exist in HBASIC.	HANDLER_ID in CA4 must exist in HBASIC
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 in LU_CA_EVENT.	EVENT_CODE = 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	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 <> ‘ ’
CA4-090	Event Responsible Suborganization must be a valid implementer- defined value in LU_SUBORGANIZATION or blank.	SUBORGANIZATION = 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	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 <> ‘ ’
CA4-100	Event Responsible Person ID must be a valid implementer-defined value in LU_STAFF or blank.	RESPONSIBLE_PERSON = 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
CA4-130	If Event Code equals ‘CA770’ or ‘CA772’, then Notes must be provided.	EVENT_CODE LIKE ‘CA770%’ or EVENT_CODE LIKE ‘CA772%’ then NOTES <> ‘ ’
Additional Business Rules and Guidance		
• The use of AEVENT4 is mandatory.		

FLAT FILE ID# - CA5							
Table Name: ALN_AREA_EVENT4 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**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	CA5-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CA5-010, CA5-020
3	AREA_SEQ[1]	14	4	I	Area Sequence Number	Required	CA5-010
4	EVENT_OWNER[1]	18	2	A	Corrective Action Event Code Owner	Required	CA5-020
5	EVENT_CODE[1]	20	7	A	Event Code	Required	CA5-020
6	EVENT_AGENCY[1]	27	1	A	Event Responsible Agency	Required	CA5-020
7	EVENT_SEQ[1]	28	3	I	Event Sequence Number	Required	CA5-020
Total Record Length:			**30**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CA5 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CA5-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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
Additional Business Rules and Guidance		
• The use of ALN_AREA_EVENT4 is mandatory.		

FLAT FILE ID# - CA6

Table Name: ALN_EVENT_AUTHORITY4

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	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	CA6-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CA6-010, CA6-020
3	EVENT_OWNER[1]	14	2	A	Corrective Action Event Code Owner	Required	CA6-010
4	EVENT_CODE[1]	16	7	A	Event Code	Required	CA6-010
5	EVENT_AGENCY[1]	23	1	A	Event Responsible Agency	Required	CA6-010
6	EVENT_SEQ[1]	24	3	I	Event Sequence Number	Required	CA6-010
7	AUTHORITY_OWNER[1]	27	2	A	Authority Type Owner	Required	CA6-020
8	AUTHORITY_TYPE[1]	29	1	A	Authority Type	Required	CA6-020
9	AUTHORITY_AGENCY[1]	30	1	A	Authority Responsible Agency	Required	CA6-020
10	AUTHORITY_EFFECTIVE_DATE[1]	31	8	Date	Authority Effective Date	Required	CA6-020
Total Record Length:			**38**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CA6 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CA6-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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
Additional Business Rules and Guidance		
• The use of ALN_EVENT_AUTHORITY4 is mandatory.		

FLAT FILE ID# - CA7							
Table Name: ALN_EVENT_COMMITMENT4 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**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	CA7-001
2	COM_LEAD[1]	2	2	A	Commitment Lead	Required	CA7-010
3	COM_SEQ[1]	4	6	I	Commitment Sequence Number	Required	CA7-010
4	HANDLER_ID[1]	10	12	A	EPA Handler ID	Required	CA7-020
5	EVENT_OWNER[1]	22	2	A	Corrective Action Event Code Owner	Required	CA7-020
6	EVENT_CODE[1]	24	7	A	Event Code	Required	CA7-020
7	EVENT_AGENCY[1]	31	1	A	Event Responsible Agency	Required	CA7-020
8	EVENT_SEQ[1]	32	3	I	Event Sequence Number	Required	CA7-020
Total Record Length:			**34**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CA7 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CA7-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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
Additional Business Rules and Guidance		
• The use of ALN_EVENT_COMMITMENT4 is optional.		

FLAT FILE ID# - CA8							
Table Name: ALN_AREA_UNIT4 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**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	CA8-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CA8-010, CA8-020
3	AREA_SEQ[1]	14	3	I	Area Sequence Number	Required	CA8-010
4	UNIT_SEQ[1]	17	4	A	Permit Unit Sequence Number	Required	CA8-020
Total Record Length:			**20**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CA8 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CA8-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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.	HANDLER_ID and UNIT_SEQ must exist in PUNIT4
Additional Business Rules and Guidance		
• The use of ALN_AREA_UNIT4 is optional.		

FLAT FILE ID# - CE1							
Table Name: CEVALUATION3 Staging Table Name: TR_CE1 Description: Compliance Monitoring and Enforcement Evaluation Data							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CE1-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CE1-010
3	EVAL_IDENTIFIER[1]	14	3	A	Evaluation Identifier	Required	CE1-030
4	EVAL_START_DATE[1]	17	8	Date	Evaluation Start Date	Required	CE1-020
5	EVAL_AGENCY[1]	25	1	A	Responsible Agency	Required	CE1-040, CE1-210
6	DAY_ZERO	26	8	Date	Date of the Last Non-Follow-Up Evaluation	Cond. Required	CE1-060, CEI-065, CE1-070, CE1-080
7	FOUND_VIOLATION	34	1	A	Flag Indicating if a Violation was Found	Required	CE1-050, CE1-110, CE1-120, CE1-125, CE1-130, CE1-200
8	EVAL_OWNER	35	2	A	Evaluation Type Owner	Required	CE1-085

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’’).

FLAT FILE ID# - CE1

Table Name: CEVALUATION3

Staging Table Name: TR_CE1

Description: Compliance Monitoring and Enforcement Evaluation Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
9	EVAL_TYPE	37	3	A	Evaluation Type	Required	CE1-090, CE1-120, CE1-125, CE1-200, CE1-220, CE1-230, CE1-215
10	RESPONSIBLE_PERSON_OWNER	40	2	A	Responsible Person Owner	Cond. Required	CE1-145, CE1-146
11	RESPONSIBLE_PERSON	42	5	A	Responsible Person	Cond. Required	CE1-150, CE1-146
12	SUBORGANIZATION_OWNER	47	2	A	Suborganization Owner	Cond. Required	CE1-135, CE1-136
13	SUBORGANIZATION	49	10	A	Responsible Suborganization	Cond. Required	CE1-140, CE1-136
14	CITIZEN_COMPLAINT	59	1	A	The Inspection or Record Review was Initiated Because of a Tip/Complaint	Required	CE1-160
15	MULTIMEDIA_INSPECTION	60	1	A	The Inspection or Record Review was Part of a Multimedia Inspection Activity	Required	CE1-170
16	SAMPLING	61	1	A	The Inspection Conducted Included the Collection of Samples	Required	CE1-180

FLAT FILE ID# - CE1

Table Name: CEVALUATION3

Staging Table Name: TR_CE1

Description: Compliance Monitoring and Enforcement Evaluation Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
17	NOT_SUBTITLE_C	62	1	A	The Inspection Conducted Pursuant to RCRA 3007 or State Equivalent; Determination Made: Site is Non-Hazardous Waste	Required	CE1-190
18	FOCUS_AREA_OWNER	63	2	A	Focus Area Owner	Cond. Required	CE1-215, CE1-231
19	FOCUS_AREA	65	3	A	Focus Area	Cond. Required	CE1-220, CE1-230, CE1-231
20	NOTES	68	2000	A	Notes		
Total Record Length:			**2067**				

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.	
CE1-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
CE1-010	Handler ID must exist in HBASIC.	HANDLER_ID in CE1 must exist in HBASIC
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 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
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’
CE1-090	Evaluation Type must be a valid nationally-defined value in LU_EVALUATION_TYPE.	EVAL_TYPE = 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 in LU_SUBORGANIZATION or blank.	SUBORGANIZATION = SUBORGANIZATION in LU_SUBORGANIZATION or ‘ ’

CE1 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CE1-145	Responsible Person Owner must equal the submitter's agency or blank.	RESPONSIBLE_PERSON_OWNER = submitter's agency or ' '
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 in LU_STAFF or blank.	RESPONSIBLE_PERSON = 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 in LU_FOCUS_AREA.	If EVAL_TYPE = 'FCI' Then FOCUS_AREA = 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 <> ‘ ’
Additional Business Rules and Guidance		
• The use of CEVALUATION3 is mandatory.		

FLAT FILE ID# - CE2

Table Name: CREQUEST3

Staging Table Name: TR_CE2

Description: Compliance Monitoring and Enforcement Request Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CE2-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CE2-010, CE2-030
3	REQUEST_SEQ[1]	14	6	I	Request Sequence Number	Required	CE2-020
4	EVAL_IDENTIFIER	20	3	A	Evaluation Identifier	Cond. Required	CE2-030
5	EVAL_START_DATE	23	8	Date	Evaluation Start Date	Cond. Required	CE2-030
6	EVAL_AGENCY	31	1	A	Evaluation Agency	Cond. Required	CE2-030
7	DATE_OF_REQUEST	32	8	Date	Date of Request	Cond. Required	CE2-040, CE2-056
8	DATE_RESPONSE_RECEIVED	40	8	Date	Date the Response was Received	Cond. Required	CE2-050, CE2-055
9	AGENCY	48	1	A	Request Agency	Required	CE2-060
10	NOTES	49	2000	A	Notes		
Total Record Length:			**2048**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CE2 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CE2-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
CE2-010	Handler ID must exist in HBASIC.	HANDLER_ID in CE2 must exist in HBASIC
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 <= Today) or ‘ ’
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’

CE2 Flat File Edit Specifications
Additional Business Rules and Guidance
• At a minimum, a request with a received date should be linked to a Non-Financial Record Review (‘NRR’) evaluation. • One evaluation can be linked to multiple requests. • The use of CREQUEST3 is optional.

FLAT FILE ID# - CE3

Table Name: CLN_EVALUATION_COMMITMENT3

Staging Table Name: TR_CE3

Description: Linking Data for Commitment and Evaluation

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CE3-001
2	COM_LEAD[1]	2	2	A	Commitment Lead Location	Required	CE3-010
3	COM_SEQ[1]	4	6	I	Commitment Sequence Number	Required	CE3-010
4	EVAL_HANDLER_ID[1]	10	12	A	EPA Handler ID	Required	CE3-020
5	EVAL_IDENTIFIER[1]	22	3	A	Evaluation Identifier	Required	CE3-020
6	EVAL_START_DATE[1]	25	8	Date	Evaluation Start Date	Required	CE3-020
7	EVAL_AGENCY[1]	33	1	A	Evaluation Agency	Required	CE3-020
Total Record Length:			**33**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CE3 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CE3-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
CE3-010	Commitment Lead Location and Commitment Sequence Number must exist in COMMITMENT3.	COM_LEAD and COM_SEQ in CE3 must exist in COMMITMENT3.
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
Additional Business Rules and Guidance		
• The use of CLN_EVALUATION_COMMITMENT3 is optional.		

FLAT FILE ID# - CE4

Table Name: CVIOLATION3

Staging Table Name: TR_CE4

Description: Compliance Monitoring and Enforcement Violation Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CE4-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CE4-010
3	VIOL_SEQ[1]	14	4	I	Violation Sequence Number	Required	CE4-010, CE4-020
4	VIOL_DETERMINED_BY_AGENCY[1]	18	1	A	Agency Which Determined the Violation	Required	CE4-010, CE4-030, CE4-035, CE4-037, CE4-100
5	VIOL_OWNER	19	2	A	Violation Type Owner	Required	CE4-039
6	VIOL_TYPE	21	10	A	Violation Type	Required	CE4-040
7	FORMER_CITATION	31	35	A	Former Citation		
8	DETERMINED_DATE	66	8	Date	Date Violation Was Determined	Required	CE4-050
9	ACTUAL_RTC_DATE	74	8	Date	Actual Return to Compliance Date	Cond. Required	CE4-060, CE4-080

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - CE4

Table Name: CVIOLATION3

Staging Table Name: TR_CE4

Description: Compliance Monitoring and Enforcement Violation Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
10	RTC_QUALIFIER	82	1	A	Return to Compliance Qualifier	Cond. Required	CE4-070, CE4-090
11	RESPONSIBLE_AGENCY	83	1	A	Violation Responsible Agency	Required	CE4-100, CE4-110, CE4-120
12	NOTES	84	2000	A	Notes		
Total Record Length:			**2083**				

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.	
CE4-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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 in LU_VIOLATION_TYPE.	VIOL_TYPE = 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 >= ‘19801001’ 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 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CE4-070	Return to Compliance Qualifier must equal ‘D’, ‘O’, ‘N’, ‘U’ or blank.	RTC_QUALIFIER = ‘D’ or ‘O’ or ‘N’ or ‘U’ or ‘ ’
CE4-080	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 enforcement action in CENFORCEMENT3 or CE8 then Responsible Agency must equal ‘E’.	If ENF_TYPE (in CENFORCEMENT3 or CE8) = ‘810’ Then RESPONSIBLE_AGENCY = ‘E’
CE4-120	If there is a corresponding 820 enforcement action in CENFORCEMENT3 or CE8 then Responsible Agency must equal ‘S’.	If ENF_TYPE (in CENFORCEMENT3 or CE8) = ‘820’ Then RESPONSIBLE_AGENCY = ‘S’
Additional Business Rules and Guidance		
• A violation may be linked to one or more Citation Type/Citation combination as long as they are registered with the RCRAInfo database. • The use of CVIOLATION3 is mandatory.		

FLAT FILE ID# - CE5							
Table Name: CLN_EVALUATION_VIOLATION3 Staging Table Name: TR_CE5 Description: Linking Data for Evaluation and Violation							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CE5-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CE5-010, CE5-020, CE5-030
3	EVAL_IDENTIFIER[1]	14	3	A	Evaluation Identifier	Required	CE5-010, CE5-030
4	EVAL_START_DATE[1]	17	8	Date	Evaluation Start Date	Required	CE5-010, CE5-030
5	EVAL_AGENCY[1]	25	1	A	Evaluation Agency	Required	CE5-010, CE5-030
6	VIOL_SEQ[1]	26	4	I	Violation Sequence Number	Required	CE5-020
7	VIOL_DETERMINED_BY_AGENCY[1]	30	1	A	Agency Which Determined the Violation	Required	CE5-020
Total Record Length:			**30**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CE5 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CE5-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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.
Additional Business Rules and Guidance		
• The use of CLN_EVALUATION_VIOLATION3 is mandatory.		

FLAT FILE ID# - CE6

Table Name: CCITATION3

Staging Table Name: TR_CE6

Description: Compliance Monitoring and Enforcement Citation Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CE6-001
2	VIOL_HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CE6-010
3	VIOL_SEQ[1]	14	4	I	Violation Sequence Number	Required	CE6-010
4	VIOL_DETERMINED_BY_AGENCY[1]	18	1	A	Agency Which Determined the Violation	Required	CE6-010
5	CITATION_SEQ[1]	19	6	I	Citation Sequence Number	Required	CE6-030
6	VIOL_OWNER	25	2	A	Violation Type Owner	Required	CE6-020
7	VIOL_TYPE	27	10	A	Violation Type	Required	CE6-020
8	CITATION_OWNER	37	2	A	Citation Owner	Required	CE6-020
9	CITATION	39	35	A	Citation	Required	CE6-020
10	CITATION_TYPE	74	2	A	Citation Type	Required	CE6-020
11	NOTES	76	2000	A	Notes		
Total Record Length:			**2075**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CE6 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CE6-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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.	VIOL_OWNER, VIOL_TYPE, CITATION_OWNER, CITATION, and CITATION_TYPE in CE6 must exist in CLN_LU_VIOL_CITATION
CE6-030	Citation Sequence Number must be greater than zero.	CITATION_SEQ > 0
CE6-040	The Violation Owner and Violation Type in CE6 must equal the Violation Owner and Violation Type in CVIOLATION3 or CE4.	HANDLER_ID, VIOL_SEQ, VIOL_DETERMINED_BY_AGENCY, VIOL_OWNER, and VIOL_TYPE in CE6 must exist in CVIOLATION3 or CE4.
Additional Business Rules and Guidance		
• A Citation Type/Citation combination may be linked to more than one violation type. • The use of CCITATION3 is optional for States but mandatory for Regions.		

FLAT FILE ID# - CE8

Table Name: CENFORCEMENT3

Staging Table Name: TR_CE8

Description: Compliance Monitoring and Enforcement Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CE8-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CE8-010
3	ENF_IDENTIFIER[1]	14	3	A	Enforcement Identifier	Required	CE8-060
4	ENF_ACTION_DATE[1]	17	8	Date	Enforcement Action Date	Required	CE8-050
5	ENF_AGENCY[1]	25	1	A	Enforcement Agency	Required	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	Required	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

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - CE8

Table Name: CENFORCEMENT3

Staging Table Name: TR_CE8

Description: Compliance Monitoring and Enforcement Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
12	DISPOSITION_STATUS_DATE	69	8	Date	Disposition Status Date	Cond. Required	CE8-120, CE8-135, CE8-140
13	DISPOSITION_STATUS_OWNER	77	2	A	Disposition Status Owner	Cond. Required	CE8-125, CE8-135, CE8-140, CE8-150
14	DISPOSITION_STATUS	79	2	A	Disposition Status	Cond. Required	CE8-130, CE8-135, CE8-140, CE8-150
15	ENF_OWNER	81	2	A	Enforcement Type Owner	Required	CE8-015
16	ENF_TYPE	83	3	A	Enforcement Type	Required	CE8-020, CE8-160

FLAT FILE ID# - CE8

Table Name: CENFORCEMENT3

Staging Table Name: TR_CE8

Description: Compliance Monitoring and Enforcement Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
17	RESPONSIBLE_PERSON_OWNER	86	2	A	Responsible Person Owner	Cond. Required	CE8-035, CE8-036
18	RESPONSIBLE_PERSON	88	5	A	Responsible Person ID	Cond. Required	CE8-040, CE8-036
19	SUBORGANIZATION_OWNER	93	2	A	Responsible Suborganization Owner	Cond. Required	CE8-025, CE8-026
20	SUBORGANIZATION	95	10	A	Responsible Suborganization	Cond. Required	CE8-030, CE8-026
21	NOTES	105	2000	A	Notes		
Total Record Length:			**2104**				

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.	
CE8-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
CE8-010	Handler ID must exist in HBASIC.	HANDLER_ID must exist in HBASIC
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 in LU_ENFORCEMENT_TYPE.	ENF_TYPE = 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 in LU_SUBORGANIZATION or blank.	SUBORGANIZATION = 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 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
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 in LU_STAFF or blank.	RESPONSIBLE_PERSON = PERSON_IDENTIFIER in LU_STAFF or ‘ ’
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 in LU_CAFO. If Enforcement Type does not equal ‘380’ then CA/FO Sequence Number must equal blank.	If ENF_TYPE = ‘380’ Then CAFO_SEQ = CAFO_SEQ 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 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CE8-125	Disposition Status Owner must equal ‘HQ’.	DISPOSITION_STATUS_OWNER = ‘HQ’
CE8-130	Disposition Status must be a valid nationally-defined value in LU_DISPOSITION_STATUS or blank.	DISPOSITION_STATUS = DISPOSITION_STATUS in LU_DISPOSITION_STATUS or ‘ ’
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		
• The use of CENFORCEMENT3 is mandatory.		

FLAT FILE ID# - CE9							
Table Name: CLN_VIOLATION_ENFORCEMENT3 Staging Table Name: TR_CE9 Description: Linking Data for Violation and Enforcement							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CE9-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CE9-010, CE9-020
3	VIOL_SEQ[1]	14	4	I	Violation Sequence Number	Required	CE9-010
4	VIOL_DETERMINED_BY_AGENCY[1]	18	1	A	Agency Which Determined Violation	Required	CE9-010
5	ENF_IDENTIFIER[1]	19	3	A	Enforcement Identifier	Required	CE9-020
6	ENF_ACTION_DATE[1]	22	8	Date	Enforcement Action Date	Required	CE9-020
7	ENF_AGENCY[1]	30	1	A	Enforcement Agency	Required	CE9-020
8	SCHEDULED_COMPLIANCE_DATE	31	8	Date	Scheduled Compliance Date		CE9-030
Total Record Length:			**38**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = 'D').

CE9 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CE9-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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 = ‘ ’
Additional Business Rules and Guidance		
• The use of CLN_VIOLATION_ENFORCEMENT3 is mandatory.		

FLAT FILE ID# - CEA

Table Name: CMEDIA3

Staging Table Name: TR_CEA

Description: Compliance Monitoring and Enforcement Multimedia Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CEA-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CEA-010
3	ENF_IDENTIFIER[1]	14	3	A	Enforcement Identifier	Required	CEA-010
4	ENF_ACTION_DATE[1]	17	8	Date	Enforcement Action Date	Required	CEA-010
5	ENF_AGENCY[1]	25	1	A	Enforcement Agency	Required	CEA-010
6	MEDIA_OWNER[1]	26	2	A	Multimedia Type Owner	Required	CEA-015
7	MEDIA_TYPE[1]	28	3	A	Multimedia Type	Required	CEA-020
8	NOTES	31	2000	A	Notes		
Total Record Length:			**2030**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

CEA Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CEA-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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 in LU_MEDIA_TYPE.	MEDIA_TYPE = MEDIA_TYPE in LU_MEDIA_TYPE
Additional Business Rules and Guidance		
• The use of CMEDIA3 is optional.		

FLAT FILE ID# - CEB

Table Name: CSEP3

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	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CEB-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CEB-010
3	ENF_IDENTIFIER[1]	14	3	A	Enforcement Identifier	Required	CEB-010
4	ENF_ACTION_DATE[1]	17	8	Date	Enforcement Action Date	Required	CEB-010
5	ENF_AGENCY[1]	25	1	A	Enforcement Agency	Required	CEB-010
6	SEP_SEQ[1]	26	2	I	SEP Sequence Number	Required	CEB-020
7	EXPENDITURE_AMOUNT	28	13	D12, 2	Expenditure Amount	Cond. Required	CEB-090, CEB-100
8	SCHEDULED_COMPLETION_DATE	41	8	Date	SEP Scheduled Completion Date	Cond. Required	CEB-040, CEB-060 CEB-070, CEB-080
9	ACTUAL_COMPLETION_DATE	49	8	Date	SEP Actual Completion Date	Cond. Required	CEB-050, CEB-060, CEB-110

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - CEB

Table Name: CSEP3

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	Required / Cond. Required	Edit Number(s)
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	Required	CEB-025
12	SEP_TYPE	67	3	A	SEP Type	Required	CEB-030
13	NOTES	70	2000	A	Notes		
Total Record Length:			**2069**				

CEB Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CEB-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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 in LU_SEP_TYPE.	SEP_TYPE = 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	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 = ‘ ’
Additional Business Rules and Guidance		
• The use of CSEP3 is mandatory.		

FLAT FILE ID# - CEC

Table Name: CSNY_DATE3

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	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE	1	1	A	Transaction Code	Cond. Required	CEC-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CEC-010
3	ENF_IDENTIFIER[1]	14	3	A	Enforcement Identifier	Required	CEC-010
4	ENF_ACTION_DATE[1]	17	8	Date	Enforcement Action Date	Required	CEC-010
5	ENF_AGENCY[1]	25	1	A	Enforcement Agency	Required	CEC-010
6	SNY_DATE[1]	26	8	Date	Date of the SNY that the Action is Addressing	Required	CEC-020
Total Record Length:			**33**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = 'D').

CEC Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CEC-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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		
• The use of CSNY_DATE3 is mandatory.		

FLAT FILE ID# - CED

Table Name: CMILESTONE3

Staging Table Name: TR_CED

Description: Compliance Monitoring and Enforcement Milestone Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CED-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CED-010
3	ENF_IDENTIFIER[1]	14	3	A	Enforcement Identifier	Required	CED-010
4	ENF_ACTION_DATE[1]	17	8	Date	Enforcement Action Date	Required	CED-010
5	ENF_AGENCY[1]	25	1	A	Enforcement Agency	Required	CED-010
6	MILESTONE_SEQ[1]	26	6	I	Milestone Sequence Number	Required	CED-020
7	TECHNICAL_REQUIREMENT_NUMBER	32	50	A	Technical Requirement Number	Required	CED-030
8	TECHNICAL_REQUIREMENT_DESC	82	200	A	Technical Requirement Description	Required	CED-040
9	SCHEDULED_COMPLETION_DATE	282	8	Date	Milestone Scheduled Completion Date	Cond. Required	CED-050, CED-070, CED-080, CED-090
10	ACTUAL_COMPLETION_DATE	290	8	Date	Milestone Actual Completion Date	Cond. Required	CED-060, CED-070, CED-100

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - CED

Table Name: CMILESTONE3

Staging Table Name: TR_CED

Description: Compliance Monitoring and Enforcement Milestone Data

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

CED Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CED-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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 = ‘ ’
Additional Business Rules and Guidance		
• The use of CMILESTONE3 is optional.		

FLAT FILE ID# - CEE

Table Name: CPENALTY3

Staging Table Name: TR_CEE

Description: Compliance Monitoring and Enforcement Penalty Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CEE-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CEE-010, CEE-035
3	ENF_IDENTIFIER[1]	14	3	A	Enforcement Identifier	Required	CEE-010
4	ENF_ACTION_DATE[1]	17	8	Date	Enforcement Action Date	Required	CEE-010
5	ENF_AGENCY[1]	25	1	A	Enforcement Agency	Required	CEE-010
6	PENALTY_OWNER[1]	26	2	A	Penalty Type Owner	Required	CEE-015
7	PENALTY_TYPE[1]	28	3	A	Penalty Type	Required	CEE-020, CEE-040, CEE-050, CEE-060, CEE-070, CEE-080, CEE-090, CEE-100, CEE-110

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - CEE

Table Name: CPENALTY3

Staging Table Name: TR_CEE

Description: Compliance Monitoring and Enforcement Penalty Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
8	AMOUNT	31	13	D12,2	Penalty Amount	Required	CEE-030
9	NOTES	44	2000	A	Notes		CEE-100
Total Record Length:			**2043**				

CEE Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CEE-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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 in LU_PENALTY_TYPE.	PENALTY_TYPE = 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 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
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-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

Staging Table Name: TR_CEF

Description: Compliance Monitoring and Enforcement Payment Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Cond. Required	CEF-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	CEF-010
3	ENF_IDENTIFIER[1]	14	3	A	Enforcement Identifier	Required	CEF-010
4	ENF_ACTION_DATE[1]	17	8	Date	Enforcement Action Date	Required	CEF-010
5	ENF_AGENCY[1]	25	1	A	Enforcement Agency	Required	CEF-010
6	PENALTY_OWNER[1]	26	2	A	Penalty Type Owner	Required	CEF-010
7	PENALTY_TYPE[1]	28	3	A	Penalty Type	Required	CEF-010
8	PAYMENT_SEQ[1]	31	2	I	Payment Sequence Number	Required	CEF-020
9	SCHEDULED_DATE	33	8	Date	Payment Scheduled Date	Cond. Required	CEF-030, CEF-070, CEF-080, CEF-090, CEF-100, CEF-140
10	SCHEDULED_AMOUNT	41	13	D12,2	Payment Scheduled Amount	Cond. Required	CEF-040, CEF-090
11	PAID_DATE	54	8	Date	Payment Paid Date	Cond. Required	CEF-050, CEF-070, CEF-120, CEF-130

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - CEF

Table Name: CPAYMENT3

Staging Table Name: TR_CEF

Description: Compliance Monitoring and Enforcement Payment Data

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

CEF Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
CEF-001	If the translation method equals “Full Replace” or “Partial Replace”, then the transaction code must equal blank. If the translation method equals “Transactional”, then the transaction code must equal ‘A’ or ‘D’.	If Full or Partial Replace Then TRANSACTION_CODE = ‘ ’ If Transactional Then TRANSACTION_CODE = ‘A’ or ‘D’
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 = ‘ ’
Additional Business Rules and Guidance		
• The use of CPAYMENT3 is optional.		

FLAT FILE ID# - FA1

Table Name: FCOST_ESTIMATE4

Staging Table Name: TR_FA1

Description: Financial Assurance Cost Estimate Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	FA1-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	FA1-010
3	COST_FA_TYPE[1]	14	1	A	Financial Assurance Type	Required	FA1-020, FA1-120, FA1-130, FA1-140
4	COST_AGENCY[1]	15	1	A	Cost Estimate Responsible Agency	Required	FA1-030
5	COST_COVERAGE_SEQ[1]	16	4	I	Cost Estimate Coverage Sequence Number	Required	FA1-040
6	RESPONSIBLE_PERSON_OWNER	20	2	A	Responsible Person Owner	Cond. Required	FA1-050, FA1-060
7	RESPONSIBLE_PERSON	22	5	A	Responsible Person	Cond. Required	FA1-060, FA1-070
8	COST_ESTIMATE_AMOUNT	27	13	D12,2	Cost Estimate Amount	Required	FA1-080, FA1-120, FA1-130, FA1-140
9	COST_ESTIMATE_DATE	40	8	Date	Cost Estimate Date	Required	FA1-090
10	COST_ESTIMATE_REASON	48	1	A	Cost Estimate Reason	Cond. Required	FA1-100
11	AREA_UNIT_NOTES	49	240	A	Area / Unit Notes		

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - FA1

Table Name: FCOST_ESTIMATE4

Staging Table Name: TR_FA1

Description: Financial Assurance Cost Estimate Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
12	NOTES	289	2000	A	Notes		
Total Record Length:			**2288**				

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.	
FA1-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
FA1-010	Handler ID must exist in HBASIC.	HANDLER_ID in FA1 must exist in HBASIC
FA1-020	Financial Assurance Type must equal ‘C’, ‘P’, ‘S’, ‘N’, ‘B’, or ‘A’.	COST_FA_TYPE = ‘C’ or ‘P’ or ‘S’ or ‘N’ or ‘B’ 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 in LU_STAFF or blank.	RESPONSIBLE_PERSON = 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’, ‘R’, or blank.	COST_ESTIMATE_REASON = ‘S’ or ‘A’ or ‘I’ or ‘R’ or ‘ ‘
A1-120	If Cost Estimate Type = ‘N’ Then Cost Estimate Amount must be greater than or equal to 6,000,000.	If COST_FA_TYPE = ‘N’ Then COST_ESTIMATE_AMOUNT >= 6000000
FA1-130	If Cost Estimate Type = ‘S’ Then Cost Estimate Amount must be greater than or equal to 2,000,000.	If COST_FA_TYPE = ‘S’ Then COST_ESTIMATE_AMOUNT >= 2000000
FA1-140	If Cost Estimate Type = ‘B’ Then Cost Estimate Amount must be greater than or equal to 8,000,000.	If COST_FA_TYPE = ‘B’ Then COST_ESTIMATE_AMOUNT >= 8000000
Additional Business Rules and Guidance		
• The use of FCOST_ESTIMATE4 is mandatory.		

FLAT FILE ID# - FA2

Table Name: FMECHANISM4

Staging Table Name: TR_FA2

Description: Financial Assurance Mechanism Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	FA2-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	FA2-010
3	MECH_AGENCY[1]	14	1	A	Mechanism Agency	Required	FA2-020
4	MECH_SEQ[1]	15	4	I	Mechanism Sequence Number	Required	FA2-030
5	MECH_TYPE_OWNER	19	2	A	Mechanism Type Owner	Required	FA2-040
6	MECH_TYPE	21	1	A	Mechanism Type	Required	FA2-050, FA2-090
7	PROVIDER	22	80	A	Provider	Required	FA2-080
8	PROVIDER CONTACT_NAME	102	33	A	Provider Contact Name		
9	PROVIDER CONTACT_PHONE	135	15	A	Provider Contact Phone		
10	NOTES	150	2000	A	Notes		
Total Record Length:			**2149**				

[1] 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.	
FA2-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
FA2-010	Handler ID, Mechanism Agency, and Mechanism Sequence Number must exist in FMECHANISM_DETAIL4 or FA3.	HANDLER_ID, MECH_AGENCY, and MECH_SEQ in FA2 must exist in FMECHANISM_DETAIL4 or FA3
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 in LU_MECHANISM_TYPE.	MECH_TYPE = MECHANISM_TYPE in LU_MECHANISM_TYPE
FA2-080	Provider must be provided.	PROVIDER <> ‘ ’
FA2-090	If Mechanism Expires equals ‘Y’ in LU_MECHANISM_TYPE for this Mechanism Type then the Expiration Date must be provided.	If MECHANISM_EXPIRES = ‘Y’ in LU_MECHANISM_TYPE and MECH_TYPE = MECHANISM_TYPE in LU_MECHANISM_TYPE Then EXPIRATION_DATE <> ‘ ’
Additional Business Rules and Guidance		
• The use of FMECHANISM4 is mandatory.		

FLAT FILE ID# - FA3

Table Name: FMECHANISM_DETAIL4

Staging Table Name: TR_FA3

Description: Financial Assurance Mechanism Detail Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	FA3-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	FA3-010
3	MECH_AGENCY[1]	14	1	A	Mechanism Agency	Required	FA3-010
4	MECH_SEQ[1]	15	4	I	Mechanism Sequence Number	Required	FA3-010
5	MECH_DETAIL_SEQ[1]	19	4	I	Mechanism Detail Sequence Number	Required	FA3-010
6	MECH_IDENTIFICATION	23	40	A	Mechanism Identification Number	Required	FA3-020
7	FACE_VALUE_AMOUNT	63	13	D12,2	Face Value Amount	Required	FA3-030
8	EFFECTIVE_DATE	76	8	Date	Mechanism Detail Effective Date	Required	FA3-060
9	EXPIRATION_DATE	84	8	Date	Expiration Date	Cond. Required	FA3-070, FA3-080
10	NOTES	92	2000	A	Notes		
Total Record Length:			**2091**				

[1] 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.	
FA3-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
FA3-010	Handler ID, Mechanism Agency, and Mechanism Sequence Number must exist in FMECHANISM4 or FA2.	HANDLER_ID, MECH_AGENCY, and MECH_SEQ in FA2 must exist in FMECHANISM4 or FA2
FA3-015	Handler ID, Mechanism Agency, Mechanism Sequence Number, and Mechanism Detail Sequence Number must exist in FLN_COST_MECHANISM_DETAIL4 or FA4.	HANDLER_ID, MECH_AGENCY, MECH_SEQ, and MECH_DETAIL_SEQ in FA2 must exist in FLN_COST_MECHANISM_DETAIL4 or FA4
FA3-020	Mechanism Identification must be provided.	MECH_IDENTIFICATION <> ‘ ’
FA3-030	Face Value Amount must be greater than or equal to zero.	FACE_VALUE_AMOUNT >= 0
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 Expires equals ‘Y’ in LU_MECHANISM_TYPE for this Mechanism Type then the Expiration Date must be provided.	If MECHANISM_EXPIRES = ‘Y’ in LU_MECHANISM_TYPE and MECH_TYPE = MECHANISM_TYPE in LU_MECHANISM_TYPE Then EXPIRATION_DATE <> ‘ ’
Additional Business Rules and Guidance		
• The use of FMECHANISM_DETAIL4 is mandatory.		

FLAT FILE ID# - FA4

Table Name: FLN_COST_MECH_DETAIL4

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	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	FA4-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	FA4-010, FA4-020
3	COST_FA_TYPE[1]	14	1	A	Financial Assurance Type	Required	FA4-010
4	COST_AGENCY[1]	15	1	A	Cost Estimate Responsible Agency	Required	FA4-010, FA4-030
5	COST_COVERAGE_SEQ[1]	16	4	I	Cost Estimate Coverage Sequence Number	Required	FA4-010
6	MECH_AGENCY[1]	20	1	A	Mechanism Agency	Required	FA4-020, FA4-030
7	MECH_SEQ[1]	21	4	I	Mechanism Sequence Number	Required	FA4-020
8	MECH_DETAIL_SEQ[1]	25	4	I	Mechanism Detail Sequence Number	Required	FA4-020
Total Record Length:			**28**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FA4 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
FA4-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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_ESTIMATE4 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
FA4-030	The cost estimate must be linked to a mechanism with the same responsible agency.	COST_AGENCY in FCOST_ESTIMATE4 or FA1 = MECH_AGENCY in FMECHANISM_DETAIL4 or FA3
Additional Business Rules and Guidance		
• The use of FLN_COST_MECH_DETAIL4 is mandatory.		

FLAT FILE ID# - GS1							
Table Name: GIS4 Staging Table Name: TR_GS1 Description: Geographical Information System Data							
Field No.	**Field Name**	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Required / Cond. Required**	**Edit Number(s)**
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	GS1-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	GS1-010
3	GIS_OWNER[1]	14	2	A	GIS Owner	Required	GS1-020
4	GIS_SEQ[1]	16	4	I	GIS Sequence Number	Required	GS1-030
5	UNIT_SEQ	20	4	I	Unit Sequence Number		GS1-040, GS1-310, GS1-320
6	AREA_SEQ	24	4	I	Area Sequence Number		GS1-050, GS1-320
7	AREA_ACREAGE	28	13	D12,2	Area Acreage	Cond. Required	GS1-060, GS1-085, GS1-310
8	AREA_SOURCE_OWNER	41	2	A	Area Source Owner	Cond. Required	GS1-060, GS1-070, GS1-310
9	AREA_SOURCE CODE	43	4	A	Area Source Code	Cond. Required	GS1-060, GS1-080, GS1-310

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

FLAT FILE ID# - GS1

Table Name: GIS4

Staging Table Name: TR_GS1

Description: Geographical Information System Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
10	AREA_SOURCE_DATE	47	8	Date	Area Source Date	Cond. Required	GS1-060, GS1-090, GS1-310
11	DATA_COLLECTION_DATE	55	8	Date	Data Collection Date	Required	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
14	COORD_DATA_OWNER	79	2	A	Coordinate Data Owner	Cond. Required	GS1-130, GS1-140
15	COORD_DATA_CODE	81	3	A	Coordinate Data Code	Cond. Required	GS1-140, GS1-150
16	GEO_REF_POINT_OWNER	84	2	A	Geographic Reference Point Owner	Cond. Required	GS1-160, GS1-170
17	GEO_REF_POINT_CODE	86	3	A	Geographic Reference Point Code	Cond. Required	GS1-170, GS1-180
18	GEOMETRIC_OWNER	89	2	A	Geometric Owner	Cond. Required	GS1-190, GS1-200
19	GEOMETRIC_CODE	91	3	A	Geometric Code	Cond. Required	GS1-200, GS1-210
20	HORIZONTAL_COLL_OWNER	94	2	A	Horizontal Collection Owner	Cond. Required	GS1-220, GS1-230
21	HORIZONTAL_COLL_CODE	96	3	A	Horizontal Collection Code	Cond. Required	GS1-230, GS1-240

FLAT FILE ID# - GS1

Table Name: GIS4

Staging Table Name: TR_GS1

Description: Geographical Information System Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
22	HORIZONTAL_REF_OWNER	99	2	A	Horizontal Reference Owner	Cond. Required	GS1-250, GS1-260
23	HORIZONTAL_REF_CODE	101	3	A	Horizontal Reference Code	Cond. Required	GS1-260, GS1-270
24	VERIFICATION_METH_OWNER	104	2	A	Verification Method Owner	Cond. Required	GS1-280, GS1-290
25	VERIFICATION_METH_CODE	106	3	A	Verification Method Code	Cond. Required	GS1-290, GS1-300
26	NOTES	109	2000	A	Notes		
Total Record Length:			**2108**				

GS1 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
GS1-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
GS1-010	Handler ID must exist in HBASIC.	HANDLER_ID in GS1 must exist in HBASIC
GS1-020	GIS Owner must equal the submitter’s agency.	GIS_OWNER = submitter’s agency
GS1-030	GIS Sequence Number must be greater then zero.	GIS_SEQ > 0
GS1-040	If Unit Sequence Number is provided then Handler ID and Unit Sequence Number must exist in PUNIT_DETAIL4.	If UNIT_SEQ > 0 Then HANDLER_ID and UNIT_SEQ must exist in PUNIT_DETAIL4
GS1-050	If Area Sequence Number is provided then Handler ID and Area Sequence Number must exist in AAREA4.	If AREA_SEQ > 0 Then HANDLER_ID and AREA_SEQ must exist in AAREA4
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 blank.	AREA_SOURCE_OWNER = submitter’s agency or ‘ ’
GS1-080	Area Source must be a valid implementer-defined value in LU_AREA_SOURCE or blank.	AREA_SOURCE = AREA_SOURCE_CODE in LU_AREA_SOURCE or ‘ ’
GS1-085	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.	(DATA_COLLECTION_DATE >= ‘19801001’ and DATA_COLLECTION_DATE <= Today)
GS1-110	Horizontal Accuracy Measure must be greater than 0 or blank.	HORIZONTAL_ACC_MEASURE > 0 or ‘ ’

GS1 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
GS1-120	Source Map Scale Number must be greater than 0 or blank.	SOURCE_MAP_SCALE_NUMBER > 0 or ‘ ’
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 in LU_COORDINATE or blank.	COORD_DATA_CODE = COORD_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 in LU_GEOGRAPHIC_REFERENCE or blank.	GEO_REF_POINT_CODE = GEO_REF_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 in LU_GEOMETRIC or blank.	GEOMETRIC_CODE = 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 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
GS1-240	Horizontal Collection Code must be a valid nationally-defined value LU_HORIZONTAL_COLLECTION or blank.	HORIZONTAL_COLL_CODE = HORIZONTAL_COLL_CODE in LU_HORIZONTAL_COLLECTION or ‘ ’
GS1-250	Horizontal Reference Owner must equal ‘HQ’ or blank.	HORIZONTAL_REF_OWNER = ‘HQ’ or ‘ ’
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 in LU_HORIZONTAL_REFERENCE or blank.	HORIZONTAL_REF_CODE = HORIZONTAL_REF_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 in LU_VERIFICATION or blank.	VERIFICATION_METH_CODE = VERIFICATION_METH_CODE in LU_VERIFICATION or ‘ ’
GS1-310	If Unit Sequence is provided then Area Acreage, Area Source Owner, Area Source Code, and Area Source Date cannot be provided.	If UNIT_SEQ <> ‘ ’ Then AREA_ACREAGE = ‘ ’ and AREA_SOURCE_OWNER = ‘ ’ and AREA_SOURCE_CODE = ‘ ’ and AREA_SOURCE_DATE = ‘ ’
GS1-320	If Unit Sequence is provided then Area Sequence cannot be provided. If Area Sequence is provided then Unit Sequence cannot be provided.	If UNIT_SEQ <> ‘ ’ Then AREA_SEQ = ‘ ’ If AREA_SEQ <> ‘ ’ Then UNIT_SEQ = ‘ ’
Additional Business Rules and Guidance		
• The use of GIS4 is optional.		

FLAT FILE ID# - GS2

Table Name: GIS_LAT_LONG4

Staging Table Name: TR_GS2

Description: Geographical Information System Latitude / Longitude Data

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Required / Cond. Required	Edit Number(s)
1	TRANSACTION_CODE[1]	1	1	A	Transaction Code	Required	GS2-001
2	HANDLER_ID[1]	2	12	A	EPA Handler ID	Required	GS2-010
3	GIS_OWNER[1]	14	2	A	GIS Owner	Required	GS2-010
4	GIS_SEQ[1]	16	4	I	GIS Sequence Number	Required	GS2-010
5	GIS_LAT_LONG_SEQ[1]	20	4	I	GIS Latitude/Longitude Sequence Number	Required	GS2-040
6	LATITUDE_MEASURE	24	10	D9,6	Latitude Measure (in degrees)	Required	GS2-020
7	LONGITUDE_MEASURE	34	11	D10,6	Longitude Measure (in degrees)	Required	GS2-030
8	NOTES	45	2000	A	Notes		
Total Record Length:			**2044**				

[1] The fields that must be provided for Delete transactions (TRANSACTION_TYPE = ‘D’).

GS2 Flat File Edit Specifications		
Edit Number	**Edit Description**	**Select Logic**
GS2-001	Transaction Code must equal ‘A’ or ‘D’.	TRANSACTION_CODE = ‘A’ or ‘D’
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 -180 and less than -60.	LONGITUDE_MEASURE > -180 and < -60
GS2-040	Latitude / Longitude Sequence must be greater than 0.	GIS_LAT_LONG_SEQ > 0
Additional Business Rules and Guidance		
• The use of GIS_LAT_LONG4 is optional.		

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

APPENDIX C

Country Codes

APPENDIX C - Country Codes

Country Name	Country Code	Country Name	Country Code	Country Name	Country Code
Afghanistan	AF	Bouvet Island	BV	Cyprus	CY
Albania	AL	Brazil	BR	Czech Republic	CZ
Algeria	DZ	British Indian Ocean	IO	Denmark	DK
Andorra	AD	Brunei Darussalam	BN	Djibouti	DJ
Angola	AO	Bulgaria	BG	Dominica	DM
Anguilla	AI	Burkina Faso	BF	Dominican Republic	DO
Antarctica	AQ	Burundi	BI	East Timor	TP
Antigua and Barbuda	AG	Cambodia	KH	Ecuador	EC
Argentina	AR	Cameroon	CM	Egypt	EG
Armenia	AM	Canada	CA	El Salvador	SV
Aruba	AW	Cape Verde	CV	Equatorial Guinea	GQ
Australia	AU	Cayman Islands	KY	Eritrea	ER
Austria	AT	Central African Rep.	CF	Estonia	EE
Azerbaijan	AZ	Chad	TD	Ethiopia	ET
Bahamas	BS	Chile	CL	Falkland Islands	FK
Bahrain	BH	China	CN	Faroe Islands	FO
Bangladesh	BD	Christmas Island	CX	Fiji	FJ
Barbados	BB	Cocos Islands	CC	Finland	FI
Belarus	BY	Colombia	CO	France	FR
Belgium	BE	Comoros	KM	French Guiana	GF
Belize	BZ	Congo	CG	French Polynesia	PF
Benin	BJ	Congo (Republic)	CD	French South. Terr.	TF
Bermuda	BM	Cook Islands	CK	Gabon	GA
Bhutan	BT	Costa Rica	CR	Gambia	GM
Bolivia	BO	Cote D'Ivoire	CI	Georgia	GE
Bosnia/Herzegovina	BA	Croatia	HR	Germany	DE
Botswana	BW	Cuba	CU	Ghana	GH

Country Name	Country Code	Country Name	Country Code	Country Name	Country Code
Gibraltar	GI	Kazakhstan	KZ	Mauritius	MU
Greece	GR	Kenya	KE	Mayotte	YT
Greenland	GL	Kiribati	KI	Mexico	MX
Grenada	GD	Korea, People's Rep.	KP	Micronesia	FM
Guadeloupe	GP	Korea, Republic	KR	Moldova	MD
Guam	GU	Kuwait	KW	Monaco	MC
Guatemala	GT	Kyrgyzstan	KG	Mongolia	MN
Guinea	GN	Lao People's Rep.	LA	Montserrat	MS
Guinea-Bissau	GW	Latvia	LV	Morocco	MA
Guyana	GY	Lebanon	LB	Mozambique	MZ
Haiti	HT	Lesotho	LS	Myanmar	MM
Heard/McDonald Is.	HM	Liberia	LR	Namibia	NA
Holy See	VA	Libyan	LY	Nauru	NR
Honduras	HN	Liechtenstein	LI	Nepal	NP
Hong Kong	HK	Lithuania	LT	Netherlands	NL
Hungary	HU	Luxembourg	LU	Netherlands Antilles	AN
Iceland	IS	Macau	MO	New Caledonia	NC
India	IN	Macedonia	MK	New Zealand	NZ
Indonesia	ID	Madagascar	MG	Nicaragua	NI
Iran	IR	Malawi	MW	Niger	NE
Iraq	IQ	Malaysia	MY	Nigeria	NG
Ireland	IE	Maldives	MV	Niue	NU
Israel	IL	Mali	ML	Norfolk Island	NF
Italy	IT	Malta	MT	No. Mariana Islands	MP
Jamaica	JM	Marshall Islands	MH	Norway	NO
Japan	JP	Martinique	MQ	Oman	OM
Jordon	JO	Mauritania	MR	Pakistan	PK

Country Name	Country Code	Country Name	Country Code	Country Name	Country Code
Palau	PW	Senegal	SN	Tonga	TO
Palestinian Territory	PS	Seychelles	SC	Trinidad / Tobago	TT
Panama	PA	Sierra Leone	SL	Tunisia	TN
Papua New Guinea	PG	Singapore	SG	Turkey	TR
Paraguay	PY	Slovakia	SK	Turkmenistan	TM
Peru	PE	Slovenia	SI	Turks / Caicos Island	TC
Philippines	PH	Solomon Islands	SB	Tuvalu	TV
Pitcairn	PN	Somalia	SO	Uganda	UG
Poland	PL	South Africa	ZA	Ukraine	UA
Portugal	PT	S. George/Sandwich	GS	United Arab Emirate	AE
Puerto Rico	PR	Spain	ES	United Kingdom	GB
Qatar	QA	Sri Lanka	LK	United States	US
Reunion	RE	Sudan	SD	Uruguay	UY
Romania	RO	Suriname	SR	Uzbekistan	UZ
Russian Federation	RU	Svalbard/Jan Mayen	SJ	Vanuatu	VU
Rwanda	RW	Swaziland	SZ	Venezuela	VE
Saint Helena	SH	Sweden	SE	Viet Nam	VN
Saint Kitts / Nevis	KN	Switzerland	CH	Virgin Islands,Bristh	VG
Saint Lucia	LC	Syrian Arab Rep.	SY	Virgin Islands, US	VI
St. Pierre / Miquelon	PM	Taiwan	TW	Wallis and Futuna	WF
St.Vincent/Grenadines	VC	Tajikistan	TJ	Western Sahara	EH
Samoa	WS	Tanzania	TZ	Yemen	YE
San Marino	SM	Thailand	TH	Yugoslavia	YU
Sao Tome / Principe	ST	Togo	TG	Zambia	ZM
Saudi Arabia	SA	Tokelau	TK	Zimbabwe	ZW

APPENDIX D

Foreign Country State Codes

APPENDIX D – Foreign Country State Codes

Country Name	State Name	State Code	Country Name	State Name	State Code
Canada	Alberta	AB	Mexico	Durango	DG
Canada	British Columbia	BC	Mexico	Guanajuato	GT
Canada	Manitoba	MB	Mexico	Guerrero	GR
Canada	New Brunswick	NB	Mexico	Hidalgo	HG
Canada	Newfoundland	NL	Mexico	Jalisco	JA
Canada	Northwest Territories	NT	Mexico	Michoacan	MI
Canada	Nova Scotia	NS	Mexico	Morelos	MO
Canada	Nunavut	NU	Mexico	Nayarit	NA
Canada	Ontario	ON	Mexico	Nuevo Leon	NL
Canada	Prince Edward Island	PE	Mexico	Oaxaca	OA
Canada	Quebec	QC	Mexico	Puebla	PU
Canada	Saskatchewan	SK	Mexico	Queretaro	QT
Canada	Yukon	YT	Mexico	Quintana Roo	QR
Mexico	Aguascalientes	AG	Mexico	San Luis Potosi	SL
Mexico	Baja California Norte	BC	Mexico	Sinaloa	SI
Mexico	Baja California Sur	BS	Mexico	Sonora	SO
Mexico	Campeche	CM	Mexico	Tabasco	TB
Mexico	Chiapas	CS	Mexico	Tamaulipas	TM
Mexico	Chihuahua	CH	Mexico	Tlaxcala	TL
Mexico	Coahuila	CO	Mexico	Veracruz	VE
Mexico	Colima	CL	Mexico	Yucatan	YU
Mexico	Distrito Federal	DF	Mexico	Zacatecas	ZA