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Biennial Reporting System (BRS) Translator Guide

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1.0 INTRODUCTION

This document describes the steps in the Biennial Reporting System (BRS) data translation process and the required output file specifications.

This document is designed to be used in conjunction with the *1997 Hazardous Waste Report, Instructions and Forms*, EPA Form 8700-13A/B (5-80) (07-97). The *1997 Hazardous Waste Report, Instructions and Forms* are referenced throughout this document. You should have a complete copy of the *1997 Hazardous Waste Report, Instructions and Forms* in your possession while using this guide.

If you do not have a copy of the *1997 Hazardous Waste Report, Instructions and Forms*, acquire a copy before proceeding.

1.1 Overview of Document

The *BRS Translator Guide* is divided into four sections:

Section 1 (Introduction) defines a translator state, offers a brief description of the forms contained in the *1997 Hazardous Waste Report, Instructions and Forms*, and describes the general purpose and outline of this document.

Section 2 (Data Collection Changes) provides the changes in data collection implemented with the *1997 Hazardous Waste Report, Instructions and Forms*.

Section 3 (System Overview) describes the operations and processes of a translator.

Section 4 (Technical Specifications) discusses the technical details of the data files and programs necessary for translation.

Five appendices are also included with this document. These appendices provide background material as well as detailed technical information necessary for translators.

1.2 Who Are Translators?

A translator state is any state that uses its own software and procedures to extract hazardous waste data from a non-BRS system into BRS formatted flat files for transfer into a BRS environment or that uses a different data collection instrument than the *1997 Hazardous Waste Report, Instructions and Forms*.

The first type of translator states consists of states that collect hazardous waste information using the *1997 Hazardous Waste Report, Instructions and Forms*, but process this information using a non-BRS system. States in this classification must use this document in preparing the data files they will submit to their regional Database Administrator (DBA) for inclusion in the National Oversight BRS database.

The second type of translators consists of states collecting hazardous waste information with a different data collection instrument than the *1997 Hazardous Waste Report, Instructions and Forms*. These states must use this guide to map data elements and relationships from their state-specific forms to the BRS data structure, as well as providing the data files that will be transferred to their regional BRS DBA for eventual inclusion in the National Oversight BRS database.

1.3 Hazardous Waste Report Forms

The *1997 Hazardous Waste Report, Instructions and Forms* capture information on the following forms. A brief description of the forms contained in the *1997 Hazardous Waste Report, Instructions and Forms* is given below.

Form IC

Form IC captures site identification information. An example of this information includes location address of the site. Form IC data are reported in the four "S" flat files: S1, S2, S3, and S5. The S4 file is omitted because the data stored in it are not requested for the current reporting year.

Form GM

Form GM captures information regarding the characteristics, management history, and treatment of a waste. Form GM data are reported in the seven "G" flat files: G1, G2, G3, G5, G6, G7, and G8. The G4 and G9 files are omitted because the data stored in them are not requested for the current reporting year. The records (lines) in each of these flat files contain key fields that link the information about a particular reported waste across the flat files.

Form WR

Form WR is used for reporting information regarding wastes received from off-site. Form WR information is reported in the R1, R2, R3, R4, and R5 flat files. The printed Form WR allows three received wastes to be reported on each Form WR page. When translating, only one (1) received waste may be associated with a given WR page number.

Form OI

Sites shipping or receiving waste to or from an off-site site report this information on Form OI. Form OI information is reported in the O1 and O2 flat files. The printed Form OI allows identification of five sites or transporters on each Form OI page. When translating, only one (1) site or transporter may be associated with a given OI page number.

1.4 Reports Forms

Each of the printed *1997 Hazardous Waste Report* forms is reported by multiple records in multiple flat files similar to relational data tables. When the relationship between an answer block and a specific form page is 1:1 (e.g., Form GM, Section I, Block F), the values are captured in the primary flat file for that form. When the relationship between an answer block and a specific form page is n:1 (e.g., Form GM, Section I, Block B), a secondary flat file is used to capture the values.

Part of preparing translated data files will be creating elements permitting data storage in the BRS file structure. Such elements are identified in Section 3 and Section 4. The output file specifications for translator data are also provided. This guide provides file specifications for data coming from any translator system, but does not illustrate the process of extracting data from a translator system.

Section 3 discusses in detail the steps necessary to ensure a successful translation effort. Some of the steps discussed in this section include identifying sites where translating is necessary and the duties and roles of the DBA.

Section 4 provides details on the most important technical aspects in the translation process. Some of the technicalities discussed in this section include instructions on indicating "Don't Know" and "Not Applicable".

This document was written using the following assumptions:

- An adequate data processing staff is available to the state for developing and maintaining its BRS equivalent software system.
- A state's hazardous waste program management gives staff ample resources and guidance for proper life cycle management of its own software system.
- The data processing staff understands basic computer concepts and terminology.

1.5 Related Documents

The following documents may provide additional information:

- *1997 Hazardous Waste Report, Instructions and Forms*.
- *BRS User Guide*.
- *BRS Data Element Dictionary*.

1.6 Translator Support

Questions about translation or the translation process should be directed to the RCRIS/BRS User Support Helpline at 1-800-767-7274.

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2.0 DATA COLLECTION CHANGES

The *1997 Hazardous Waste Report, Instructions and Forms* are substantially different from previous versions of the Forms package. EPA has made a significant effort to clarify the instructions in numerous places. In addition, the Agency has made the following changes to the *1997 Hazardous Waste Report, Instructions and Forms*:

- For each hazardous wastewater managed on-site and ultimately discharged:

  - With or without prior treatment to a surface water, in accordance with an NPDES permit issued pursuant to Section 402 of the Clean Water Act.

  - With or without pretreatment to a publicly owned treatment works (POTW), in accordance with 307(b) of the Clean Water Act.

  - With or without prior treatment to an underground injection well, in accordance with a permit issued pursuant to the Safe Drinking Water Act.

  Fill out only **one** GM form, and use only System Type codes M134 (Deepwell/underground injection), M135 (discharge to sewer/POTW), or M136 (Discharge to surface water under NPDES). Note that the quantity reported for these System Types should be the quantity of wastewater entering the pretreatment system, which may or may not be the quantity actually discharged to the POTW, injection well, or surface water. These codes should be the only management codes used, regardless of what treatment the wastewaters receive prior to discharge. Note that any sludges or other non-wastewaters generated from the treatment of wastewaters should still be reported if they are hazardous.

- The entire Waste Treatment, Disposal, or Recycling Process System (PS) form has been eliminated from the *1997 Hazardous Waste Report, Instructions and Forms*.

- The waste minimization questions have been eliminated from the Identification and Certification (IC) form and the Generation and Management (GM) form.

- All "Don't Know" responses have been eliminated from the *1997 Hazardous Waste Report, Instructions and Forms*. The following data elements were affected: Form IC, Section IV, Block A (Storage subject to RCRA permitting requirements); Form GM, Section I, Block G (Point of measurement) and Block I (RCRA-radioactive mixed); Form GM, Section III, Block D (Off-site availability code); and Waste Received from Off-site (WR) form, Block H (RCRA-radioactive mixed).

- Space for reporting an additional off-site facility for hazardous waste shipped off-site has been added to Section III of Form GM.

- The code options for the point of measurement question (Form GM, Section I, Block G) have been revised.

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- The exclusions, definitions, and special instructions have been updated. In addition, the exclusions and definitions have been modified to more closely paraphrase the Code of Federal Regulations (CFR), where applicable.

- The examples in Appendix A have been updated and clarified.

3.0 SYSTEM OVERVIEW

3.1 Data Requirements

Mandatory core data elements are ones required by the *1997 Hazardous Waste Report, Instructions and Forms*. Non-core data elements are those not required to be reported. System Required data elements are required by the system to effectively process the information. A translator must provide both mandatory core and system-required data elements. The translator, through software it develops, creates BRS equivalent flat files from its system. These flat files are then sent via PC diskette (or tape) to update the regional BRS database and eventually, the National Oversight BRS database.

A list of the flat files that contain mandatory core elements is located in Appendix A.

3.2 Summary of Data Requirements

A translator must provide data for the mandatory core data elements. Mandatory core data elements are contained in a variety of the BRS Flat Files. The same flat file may contain both mandatory core and non-core data elements. The following list identifies the applicable *1997 Hazardous Waste Reports* forms, as well as those BRS flat files that contain mandatory core data elements.

- Form IC data (Identification and Certification):
  BRS Flat Files S1 and S2.

- Form GM data (Waste Generation and Management):
  BRS Flat Files G1, G2, G5, G6, and G7.

- Form WR data (Waste Received from Off-site):
  BRS Flat Files R1, R2, and R4.

In addition to mandatory core data, translators are encouraged to provide as much non-core data as possible. This information will enhance the analytical usefulness of the National Oversight BRS database. Specifically, translators should provide origin codes, source codes, and form codes for all records in the G1 and R1 files whenever possible.

If available, translators should also provide the following information:

- Form OI data (Off-site Identification).

In addition to the flat files mentioned above, a translator must produce a BRS control file, which names each flat file produced by the translator. It also contains other necessary information. A control file (CL) defines a set of flat files and controls the update process at the destination platform.

3.3 Testing the Translation Effort

After producing a set of flat files, a translator state will send the flat files to its regional BRS DBA. Before sending flat files to the region, many translators have found it useful to use the BRS software to test the results of the translation effort. If a translator wishes to do so, it is recommended that the data file be loaded into BRS and the following BRS Reports run:

- Load Error Report.
- Control File Report.
- Updated Facilities Report.
- Basic Edit Error Report.

Any problems revealed by these reports should be corrected before the data files are transferred to the regional BRS DBA.

3.3.1 Load Error Report

The Load Error Report produces a list of system messages or error messages produced at run time during execution of the BRS Flat Files Load process. Record rejections will appear when viewing the Load Error Report. State flat files that contain load errors must be corrected before submission to the region.

3.3.2 Control File Report and Updated Facilities Report

The Control File Report and the Updated Facilities Report are used to determine whether the BRS Flat File Load process was successful. Consult the BRS User Guide for further information on these reports.

3.3.3 Basic Edit Error Report

The Basic Edit Error Report is the output produced by the BRS Basic Editor that should be run after loading translated data. This reporting tool is useful in detecting systematic translation errors, as well as identifying other data errors. The translating state and the regional DBA should identify roles and responsibilities in data error corrections.

3.4 Transferring the Data Files to the Regional DBA

Floppy disks and electronic data transfer are the recommended methods for data transfer between the translator state and the regional DBA. If both the state and region agree, magnetic tapes may also be used.

If floppy disks are used, the region and state must agree to the format. This includes the size of disks, their density, and the software used to produce and read them.

If tapes are used, the region and state, in consultation with NCC technical staff, must agree to the format.

A translator may request that the regional DBA send the state a copy of the Load Error Report, Control File Report, Updated Facilities Report, and the Basic Edit Error Report produced by the region during its load process.

The following steps are suggested in order to ensure that the data transfer process proceeds smoothly:

- Once the data have been written to the transfer media, it should be tested to ensure readability and correctness of the data.

- Media should be labeled with the translator's state abbreviation, the Julian date the files were created, and the names of files contained on the media. If more than one tape or disk is used, the write sequence should be indicated (e.g., Disk 1 of 2, Disk 2 of 2). The translator state must provide any information or instruction required to correctly retrieve the flat files from the medium.

- The translator state should retain a backup copy of the data files as a record of the submission and for use in case the original submission is lost or damaged.

- The submission package should be shipped by a traceable means that provides a return receipt. The electronic media should be isolated in packaging that will protect it from magnetic and/or static electric disturbance.

3.5 Data Storage Requirements

A translator may need to store the functional equivalent of the BRS update fields. Also, any BRS core data elements not represented in the state's *1997 Hazardous Waste Report* system must be added to the system and data collected or generated for it.

Temporary storage for translated flat files must be available, and all generations of flat files should be maintained.

3.6 Output Requirements

A translator must produce a control file and all BRS flat files that contain mandatory core data elements as well as system-required data elements. The state's translation process should produce a set of reports detailing, summarizing, and characterizing the translation process for use in identifying translation errors.

3.7 Definition of Translation System Components

A translator system requires software for properly creating a set of flat files for the *1997 Hazardous Waste Report* data and the control file that defines that set. If a state chooses to transmit the flat files via tape, it must have software and procedures for transmitting via tape. These programs and procedures, along with the state personnel necessary to execute them, constitute the translator system.

3.8 Translating State Equivalent Data to BRS Flat Files

The translator must provide, on its own system, the software to:

- Identify all sites for which information is to be translated.
- Access relevant *1997 Hazardous Waste Report* data.
- Translate that equivalent data to BRS data.
- Validate BRS-equivalent data using BRS-defined edit criteria.
- Write translated BRS data to appropriate flat files.
- Generate a control file for the translated flat files.

3.8.1 Identify Sites

At a minimum, the state must translate information for sites required to file the *1997 Hazardous Waste Report, Instructions and Forms*. The criteria that defines these sites is presented on page i of the *1997 Hazardous Waste Report, Instructions and Forms* under "Sites Required to File the Hazardous Waste Report." (Refer to Appendix D herein for additional information.)

3.8.2 Access Relevant BRS Equivalent Data

As mentioned previously, all translators must provide at least the mandatory core data elements for the sites being reported. A translator must identify the data elements and relations in their non-BRS system equivalent to the data elements/relations represented by the Flat File Specifications in this document.

Also, the translator must provide the necessary data elements to allow for the data to be correctly stored in BRS.

BRS groups data at three levels (site, form type, and specific form) linked by four key elements.

The Site Level, represented by the EPA ID, is the first and highest level. The EPA ID is the first field in all flat file records, except the control file (CL). All flat file records associated with the same site have the same EPA ID.

The second level is the Form Type. The Form Type is identified by the flat file ID containing the record because Form Type does not have a specific field. This allows the same data elements to be used for multiple form types. For example, EPA waste codes associated with a generated waste (reported on Form GM) are placed in the G2 flat file records, while EPA waste codes associated with a received waste (reported on Form WR) are placed in R2 flat file records. When the flat files are loaded into the BRS software, the load program sets the form type based on the name of the source flat file.

The third level of association is the specific form. This level of association is used to separate one generated waste from another generated waste or one received waste from another received waste. The specific wastes are differentiated by their respective page numbers. The variables used to define the specific form for Forms GM, WR, and OI are explained below.

Form GM

Form GM collects data associated with a single reported waste. Translators must provide records in the G1 - G8 files for each waste generated or managed during the reporting cycle. Thus, each page number for the GM flat file records represents a single reported waste. All "G" flat file records containing data associated with the same waste reported for the same EPA ID will have the same page number. Page number takes the value of "00001" for the first reported waste (Form GM), and is incremented by one (1) with each following reported waste.

Form WR

Form WR collects data associated with each reported waste received from off-site. Translators must provide records in the R1 - R5 files for each waste received from off-site. All "R" flat file records containing data associated with the same received waste reported for the same EPA ID will have the same page number. Page number takes the value of "00001" for the first received waste (Form WR), and is incremented by one (1) with each separate received waste reported.

Form OI

Form OI collects data identifying handlers from whom waste was received and to whom waste was shipped, plus all transporters used to ship waste during the reporting cycle. These source, destination, and transporting entities are identified by their EPA ID, name, and address. The page number for the OI flat file records represents a single handler record. Page number takes the value of "00001" for the first handler record, and is incremented by one (1) with each separate handler record reported.

3.8.3 Translate State Equivalent Data to BRS Data

The translation software must reflect the rules that establish the mapping of BRS equivalent data to BRS data. The rules need to be defined by the state using the *1997 Hazardous Waste Report, Instructions and Forms*, BRS Flat File Specifications, *BRS Data Element Dictionary*, and possibly, a data element dictionary and structure chart of its own system.

A copy of the *1997 Hazardous Waste Report* forms annotated to show in which flat file each data element is located can be found in Appendix E. In addition, all codes used in the submission must be from the code lists found in the *1997 Hazardous Waste Report, Instructions and Forms*.

3.8.4 Data Quality for Translated BRS Data

A translator's data must pass a minimum set of data edits in order to provide BRS compatible information. A translator's data must also provide an accurate representation of hazardous waste activity for that state. The minimum set of edits is represented by the BRS basic editor. The BRS basic editor validates the mandatory core data elements required to be reported on the *1997 Hazardous Waste Report* forms.

A translator has two options for editing its own data. The first option is to load its data into BRS and invoke the BRS editor. The second is for the state to implement an editor of its own. In either case, when the region receives a translator's data, the regional DBA loads the translator's flat files and, subsequently, runs the BRS basic editor on the data. The region notifies the sending state of any basic

edit errors. For a state choosing the second option, it must develop BRS-equivalent edits in its translator software. This speeds error correction and the timeliness of loading state data in the region database.

In BRS, there are two levels of edits: Basic and Advanced. (See Appendix C.) Basic edits are edits on mandatory core data elements. The failure of a basic edit prevents any data for that site from being transferred from the State to the regional database, or the regional database to the National Oversight database. For a list of the mandatory core elements, see Appendix A.

Advanced edits are edits on mandatory core elements, as well as all other fields. Advanced edits are considered optional, and, if invoked, produce appropriate messages on the Edit Reports, but will not prevent the data from being transferred to the regional or National Oversight databases. Advanced edits are useful for states providing more than mandatory core data elements.

3.8.5 Write Translated BRS Data to Flat Files

Data must be written to the appropriate flat file or flat files. Appendix B specifies the field length and data type for a precise record format.

A complete translation effort may not include all available data flat files. For example, a translator submitting Form GM data in a state that does not collect information on state-specific waste codes would omit the G3 flat file from its submission. This is because the G3 file is used to store state hazardous waste codes only. Thus, files determined to be correctly null or empty should be omitted.

There is a hierarchical relationship among records for one site across different flat files. BRS classifies its information as parent and child parts or segments. A parent segment may have any number of child segments, including none. However, every child must have one parent. Therefore, if a record for a child segment is in one flat file, there must be a record for its parent in another flat file. Briefly, the rule is that a child flat file record requires a parent flat file record.

Translators using an automated data editor must check all of the data for a site at one time. Data for a site should only be written to the flat files after all records for that site pass the BRS basic edit check. Thus, all mandatory core data elements must have proper values for any of a site's data to be considered complete. If a site is incomplete, then the site's information is not written to or is stripped from the flat files, and error messages indicating the fields, values, and reasons should be generated. It is not sufficient to eliminate the element in error and pass on the remainder of the site's data.

3.8.6 Generating a Control File

Translators must always include a flat file named the control file, flat file ID# - CL, whenever submitting data. The control file records contain information describing the flat files being submitted. One control file record is created for each submitted flat file.

List the flat file names in the control file in sequential order as shown in Exhibit 1.

S1, S2, S3, S5, G1, G2, G3, G5, G6, G7, G8, R1, R2, R3, R4, R5, O1, and O2

Exhibit 1. Control File Flat File Order

Note: The control file should contain information only on files generated. If a file is not generated, no information for the file should be placed in the control file. The S4, G4, G9, T1, T2, T3, T4, M1, M2, M3, M4, M5, M6, and M7 flat files were intentionally omitted from this list because this information is no longer collected in the *1997 Hazardous Waste Report, Instructions and Forms*.

3.9 Deleting an Entire Site

A state DBA may find it necessary to delete all information for a site previously provided to the region. When deleting a site, do the following two things: first, remove the Site ID from the state data system; and second, pass the delete information along with the rest of the state data to your BRS regional DBA.

The propagation of deletes is handled at the site level only. If you delete a site from the state's system, pass the delete information on to the BRS National Oversight database via the flat files.

In order to delete a site, you must produce a delete record. Place this delete record in the first (S1) flat file. (See Flat File Specifications in Appendix B.) Place the deleted site's ID number in its normal position with an asterisk in the next position. Fill the remainder of the record with blanks. This causes all traces of the site to disappear from the regional BRS database as well as the National Oversight database. Exhibit 2 contains an example of a delete record.

```
NCD123456789*
```

Exhibit 2. Example Delete Record

3.10 Database Administration Routines

The translator state DBA is responsible for all locally based routines dealing with the creation of the data files. The state BRS DBA is responsible for the backup, recovery, and archiving of transmitted files and the transmittal function.

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4.0 TECHNICAL SPECIFICATIONS

This section contains the standards that must be met when writing flat files. Failure to meet these specifications may result in the rejection of the flat files.

4.1 Rules and Format Conventions Required for Data Flat Files

The following sections detail the correct field formats for the data in your flat files. BRS may reject your flat files (or parts of your flat files) if your flat files fail to meet these specifications.

4.1.1 Alphanumeric Fields

Alphanumeric fields are identified in Appendix B, Flat File Specifications, as Data Type "A" fields. All alphabetic characters must be in UPPER CASE. Data Type "A" fields must be left-justified with all trailing spaces filled with the space character (i.e., ASCII HEX 20).

4.1.2 Integer Fields

Integer fields are identified in Appendix B, Flat File Specifications, as Data Type "I" fields. Data Type "I" fields must contain only numeric characters, be right-justified, and have all leading spaces zero (0) filled. The comma (,) character is not allowed.

Examples of incorrect and correct entries for an integer field defined with a length of five (5) are in Exhibit 3.

INCORRECT	CORRECT
1	00001
10,000	10000
750.25	00750

Exhibit 3. Incorrect and Correct Integer Entries

4.1.3 Fixed Decimal Fields

Fixed place decimal fields are identified in Appendix B, Flat File Specifications, as Data Type "D2" fields.

For all "D2" field entries, the value must explicitly represent two places following the decimal. Zero (0) filling of leading and/or trailing spaces is required.

The period (.) character, representing the decimal, must be included in the proper column position. The field length includes the decimal character. The comma (,) character is not allowed.

Although some answer blocks on the *1997 Hazardous Waste Report, Instructions and Forms* provide for only one decimal place, the translator flat files require that two decimal places be represented in "D2" fields. Exhibit 4 shows incorrect and correct entries in a type "D2" field with a length of nine.

INCORRECT	CORRECT
56.89	000056.89
10,0032.1	100032.10
987654	987654.00

Exhibit 4. Incorrect and Correct Fixed Decimal Entries

4.1.4 Floating Decimal Fields

Floating decimal fields are identified in Appendix B, Flat File Specifications, as Data Type "FD" fields.

Type "FD" fields allow the decimal point to be placed at any column position within the field or omitted. Zero (0) filling of leading and/or trailing spaces is required. The comma (,) character is not allowed.

4.1.5 Sequence Number Fields

Some of the files in Appendix B, Flat File Specifications, require a sequence number to be provided for each record. The G2 file is an example of a file that requires a sequence number (the sequence number is field number 4). The sequence number is needed for data elements, such as the waste code, which may occur with multiple values for the waste. The sequence number takes the value "001" for the first occurrence of the sequenced data element for the waste and is then incremented by one with each successive occurrence of that same waste.

Note: When sequence numbers are used, records in the file with the same EPA ID and the same page number must have unique sequence numbers.

4.2 Indicating Don't Know (DK) and Not Applicable (NA)

The *1997 Hazardous Waste Report, Instructions and Forms* do not allow the use of "Don’t Know" (DK) or "Not applicable" (NA).

4.3 Record Termination

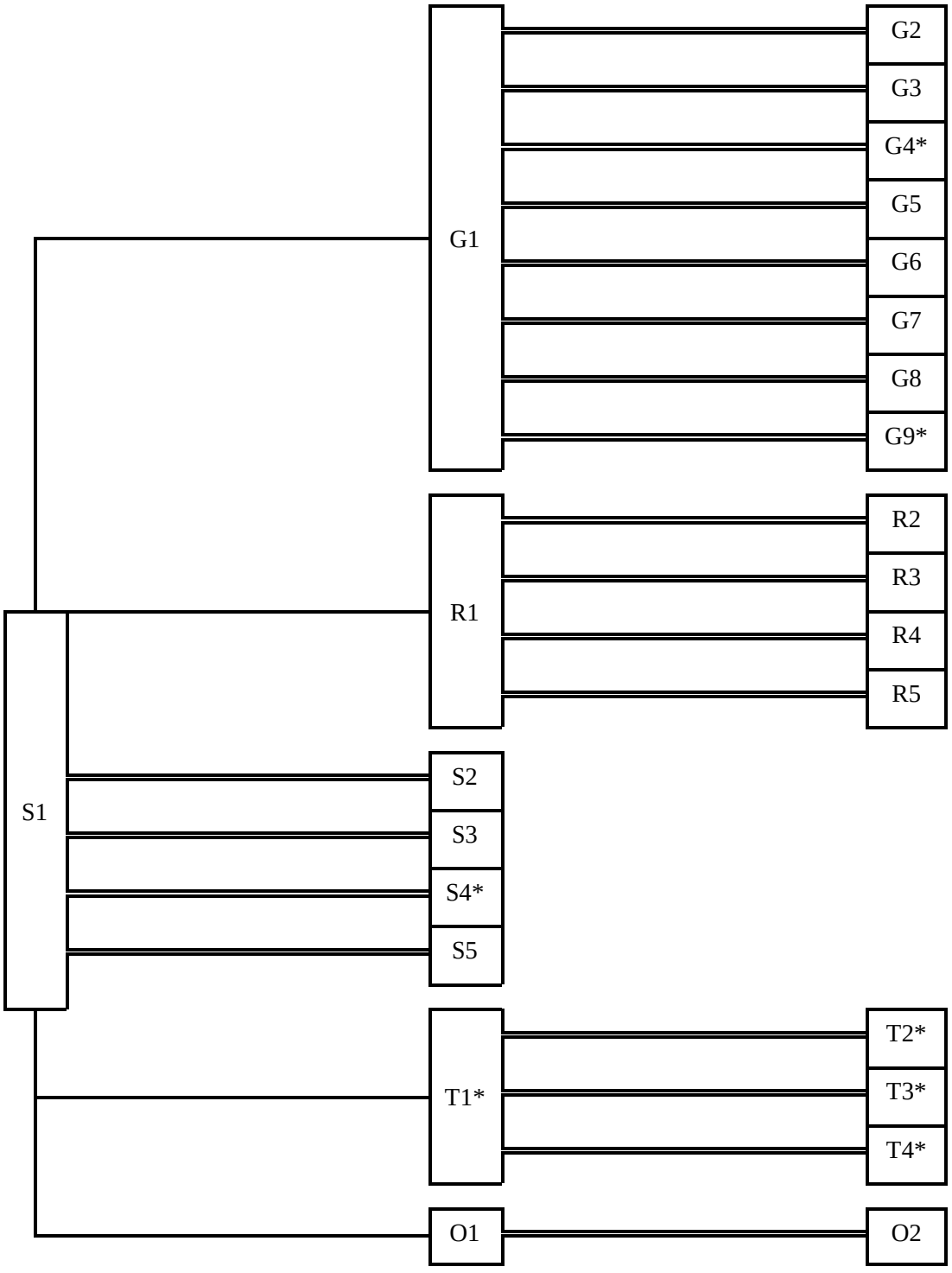
Each flat file record must be terminated by the correct end of record designation. The correct designation will be dependent on the character set and computer system in use. For example, on a PC system using the ASCII character set, each record should be terminated with a carriage return character followed by a line feed character.

4.4 Empty Fields

For fields that require no response, the field should be filled with the space character (i.e., blanks).

4.5 Flat File Hierarchy

Exhibit 5 shows the BRS flat file hierarchy. Files connected by lines have a parent - child relationship. The file identified at the left terminus of a line is the parent. The file identified at the right terminus of a line is the child. For each record with a unique EPA ID (field number 1 in all flat file records) in a child flat file, there must be at least one corresponding record in the parent flat file with the same EPA ID. When a parent flat file distinguishes records using more than one key, it is the combination of the keys that identifies uniqueness. For example, the "G" series flat files use three keys (fields 1 - 3) to identify each "waste" being reported for a site. Thus, for each unique occurrence of the combined keys (EPA ID - Page Number - Sub-page Number) in the G2 flat file, there must be a corresponding record in the G1 file with the same values for all three keys. Likewise, for every G1 record with a unique value in key field 1 (EPA ID), there must be an S1 record with the same value for field 1.



NOTE: Flat Files marked with an asterisk (*) are not collected for the *1997 Hazardous Waste Report, Instructions and Forms*.

Exhibit 5. BRS Flat File Hierarchy

APPENDIX A

Mandatory Core and Required Data Elements

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A.1 Mandatory Core Data Elements

BRS FOCUS File Name	BRS Flat File ID	Mandatory Core Variable Name	Form Locations
SITES	(all)	HID_NUM	IC, GM, WR
	S1	HHANDLER	IC, GM, WR
	S1	HLOC1STRT	IC
	S1	HLOC2STRT	IC
	S1	HLOC_CITY	IC
	S1	HLOC_STATE	IC
	S1	HLOC_ZIP	IC
	S2	HMAIL1STRT	IC
	S2	HMAIL2STRT	IC
	S2	HMAIL_CITY	IC
	S2	HMAIL_STATE	IC
	S2	HMAIL_ZIP	IC
	S2	HCONT_LAST	IC
	S2	HCONT_FIRST	IC
	S2	HCONT_TITL	IC
	S2	HCONT_PHONE	IC
	S2	CON_PH_EXT	IC
	S2	CERT_LN	IC
	S2	CERT_FN	IC
	S2	CERT_TITLE	IC
	S2	CERT_SIG_DTE	IC
	S2	WST_GEN_STAT	IC
	S2	ON_STOR_ST	IC
	S2	ON_R_TDR_ST	IC
HZSTREAM	G7, R4	WST_DSCRP	GM, WR
	G2, R2	HZW_CODE	GM, WR
	G1	GEN_QTY	GM
	G1, R1	WST_QTY_UOM	GM, WR
	G1, R1	WST_DENSITY	GM, WR
	G1, R1	WST_DEN_UOM	GM, WR
	G6	SYS_TDR	GM
	G6	SYS_TDR_QTY	GM
	G5, R1	IO_TDR_ID	GM, WR
	R1	IO_TDR	WR
	G5, R1	IO_TDR_QTY	GM, WR

A.2 Flat Files That Contain Mandatory Core Elements

The following flat files contain mandatory core elements:

S1 and S2
G1, G2, G5, G6, and G7
R1, R2, and R4

A.3 System-Required Elements

System Required Variable Name	BRS FOCUS File Name	BRS Flat File IDs
IC_COMM_SEQ	SITES	S5
HZ_PG	HZSTREAM	G1, G2, G3, G5, G6, G7, G8, R1, R2, R3, R4, R5
SUB_PG_NUM	HZSTREAM	(same as above)
HZW_SEQ	HZSTREAM	G2, R2
SHZW_SEQ	HZSTREAM	G3, R3
IO_PG_NUM	HZSTREAM	G5
SYS_PG_NUM	HZSTREAM	G6
WST_DSCR_SEQ	HZSTREAM	G7, R4
WST_COMM_SEQ	HZSTREAM	G8, R5
OSITE_PGNUM	OFFSITE	O1, O2
OSITE_SUBNUM	OFFSITE	O1, O2
OI_COMM_SEQ	OFFSITE	O2

A.4 Rules For Generating System-Required Elements

- HZ_PG
  Use any integer greater than zero as long as HZ_PG and HID_NUM together form an unique key.

- SUB_PG_NUM
  Always equals "01".

- HZW_SEQ
  Use any integer greater than zero as long as HZ_PG, HID_NUM, and HZW_SEQ together form an unique key.

NOTE: Refer to Section 3.8.2 of this document for further discussion.

A.5 Conditionally-Required Elements

In order to process some data items submitted in the flat files, the software also requires an associated sequence number. These are sequential numbers beginning with one and increasing by one to order the associated data. For example, if a comment is made up of six 60-character lines, each of six records will contain a single line of the comment and a sequence number of 1 to 6. The various sequence-number elements can be identified by the characters "SEQ" appearing in the data element name specified in the flat file layouts in Appendix A and Appendix B.

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APPENDIX B

Flat File Specifications

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B.1 Key For Flat File Tables

Data Class

MC	Mandatory Core
N	Non-Core
S	System-Required

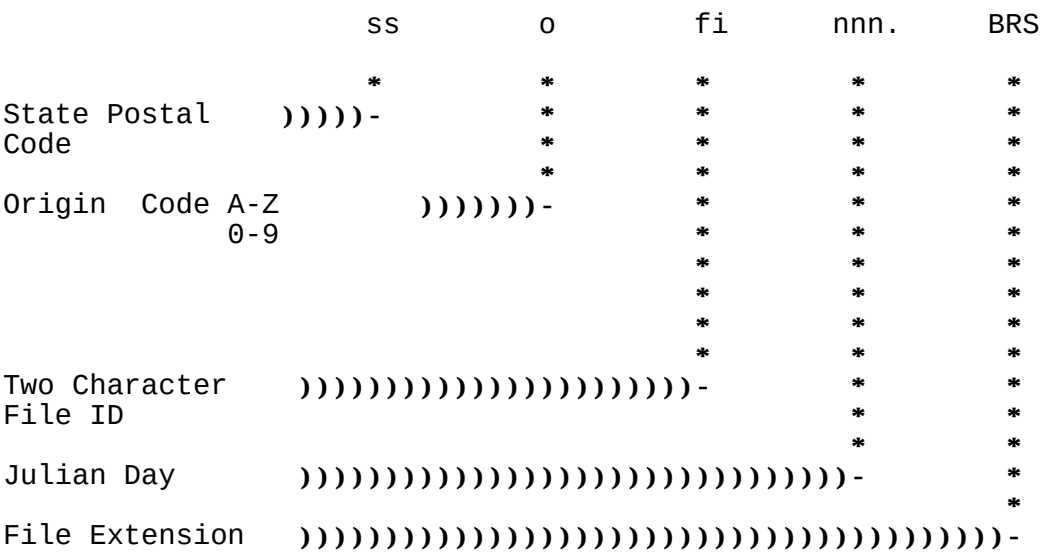
Edit Type

B	Basic Edit
A	Advanced Edit

Data Type

A	Alphanumeric
I	Integer
D2	Fixed Decimal
FD	Floating Decimal

B.2 Flat File Naming Convention



Note: The two-character file ID distinguishes each flat file produced during the translation. For example, if Virginia is a translator, its third SITES (Form IC) flat file from January 4th is named VASS3004.BRS.

B.3 Flat Files

FLAT FILE ID# - CL					
Source Form:	NA	**Description:**	Name and statistical information for each flat file being submitted		
Record Length:	80	**Block Size:**	4240		
Field Number	**Starting Column**	**Field Length**	**Data Type**	**Description**	**Location on Form**
1	1	12	A	File Name	-
2	13	1	A	**System Required Field: Value = "Y" for all records.**	
3	14	8	I	Date Created Format = CCYYMMDD	-
4	22	8	I	Record Count	-
5	30	8	A	**System Required Field: Value = " " (blank) for all records**.	

NOTES: The CL control file is used to describe the flat files being submitted electronically. There must be one record in the control file for each flat file being submitted. Each CL record contains a flat file name (field 1), the date the flat file was created in "CCYYMMDD" format (field 3), and the number of records (lines) in the flat file (field 4). Two other system-required fields are also contained in each record. Field 2 is an alphanumeric field with a length of one and always takes the value "Y". Field 5 is an alphanumeric field with a length of eight which is always filled with the "blank" character.

When creating the Control File, first list records S1-S5, then G1-G8, then R1-R5, and finally O1-O2. Only list records for files that contain one or more records.

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FLAT FILE ID# - S1

Source Form: IC **Description:** Handler Location Information

Record Length: 193 **Block Size:** 23353

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA Identification Number	IC-I-A	MC	B	1000, 1010, 4001
2	HHANDLER	13	40	A	Site/Company Name	IC-I-C	MC	B	1020, 4000
3	HSECOND_ID	53	12	A	State Identification Number	IC-I-A	N	-	-
4	POSTCARD	65	1	A	System Generated: 0 or Blank	-	N	B	4010
5	HLOC_CNTY_CD	66	5	A	State Postal Code Concatenated with County Code	System Generated	N	-	-
6	HLOC1STRT	71	30	A	Location Street 1	IC-I-E	MC	B	1030
7	HLOC2STRT	101	30	A	Location Street 2	IC-I-E	MC	-	-
8	HLOC_CITY	131	25	A	Location City	IC-I-F	MC	B	1040
9	HLOC_COUNTY	156	27	A	State Postal Code Concatenated with County Name	IC-I-H & B	N	A	3020
10	HLOC_STATE	183	2	A	Location State	IC-I-G	MC	B, A	1060, 3900
11	HLOC_ZIP	185	9	A	Location Zip Code	IC-I-H	MC	-	-

NOTE: This file should contain only one record for each EPA ID reporting. Also, any EPA ID appearing as the key in any of the "G", "R", or "O" files must also be represented here. "Delete" records are indicated by an EPA ID in field number 1, an asterisk in field number 2, and the remainder of the record filled with blanks. The EPA ID number is the key field.

FLAT FILE ID# - S2

Source Form: IC **Description:** General Information

Record Length: 227 **Block Size:** 23381

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA Identification Number	IC-I-A	MC	B	1000, 1010
2	HMAIL1STRT	13	30	A	Mailing Street 1	IC-II-B	MC	B	1070
3	HMAIL2STRT	43	30	A	Mailing Street 2	IC-II-B	MC	-	-
4	HMAIL_CITY	73	25	A	Mailing City	IC-II-C	MC	B	1080
5	HMAIL_STATE	98	2	A	Mailing State	IC-II-D	MC	B	1090
6	HMAIL_ZIP	100	9	A	Mailing Zip Code	IC-II-E	MC	-	-
7	CERT_LN	109	15	A	Certification Last Name	IC-IV-A	MC	-	-
8	CERT_FN	124	15	A	Certification First Name	IC-IV-A	MC	-	-
9	CERT_TITLE	139	15	A	Certification Title	IC-IV-B	MC	-	-
10	CERT_SIG_DTE	154	8	I	Certification Signature Date (CCYYMMDD)	IC-IV-D	MC	-	-
11	WST_GEN_STAT	162	1	A	Generator Status	IC-V-A	MC	B	1140, 1400
12	HCONT_LAST	163	15	A	Contact Last Name	IC-III-A	MC	B	1100
13	HCONT_FIRST	178	15	A	Contact First Name	IC-III-A	MC	B	1100
14	HCONT_TITL	193	15	A	Contact Title	IC-III-B	MC	-	-
15	HCONT_PHONE	208	10	A	Contact Phone Number	IC-III-C	MC	B	1110
16	CON_PH_EXT	218	4	A	Contact Phone Number Extension	IC-III-C	MC	-	-
17	ON_STOR_ST	222	1	A	On-site Waste Management Status Storage	IC-VI-A	MC	B	1147
18	ON_R_TDR_ST	223	1	A	On-site Waste Management Status RCRA T/R/D	IC-VI-B	MC	B	1148
19	-	224	1	A	**System Required Field: Value = " " (blank) for all records.**	-	-	-	
20	-	225	1	A	**System Required Field: Value = " " (blank) for all records.**	-	-	-	

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FLAT FILE ID# - S2

Source Form: IC **Description:** General Information

Record Length: 227 **Block Size:** 23381

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
21	-	226	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
22	-	227	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-

NOTE: This file should contain only one record for each EPA ID reporting. Also, any EPA ID appearing as the key in any of the "G", "R", or "O" files must also be represented here. The EPA ID number is the key field.

FLAT FILE ID# - S3

Source Form: IC **Description**: Recycling Limitations, Reasons for not Generating, Source Reduction Limitation

Record Length: 44 **Block Size:** 23452

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA Identification Number	IC-I-A	MC	B	1000, 1010
2	-	13	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
3	-	14	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
4	-	15	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
5	-	16	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
6	-	17	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
7	-	18	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
8	-	19	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
9	-	20	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
10	-	21	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
11	-	22	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
12	-	23	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
13	-	24	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
14	-	25	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
15	-	26	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
16	-	27	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
17	NGEN1	28	1	A	Reason For Not Generating 1	IC-V-B-1	N	A	3023
18	NGEN2	29	1	A	Reason For Not Generating 2	IC-V-B-2	N	A	3023
19	NGEN3	30	1	A	Reason For Not Generating 3	IC-V-B-3	N	A	3023
20	NGEN4	31	1	A	Reason For Not Generating 4	IC-V-B-4	N	A	3023

FLAT FILE ID# - S3

Source Form: IC **Description**: Recycling Limitations, Reasons for not Generating, Source Reduction Limitation

Record Length: 44 **Block Size:** 23452

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
21	NGEN5	32	1	A	Reason For Not Generating 5	IC-V-B-5	N	A	3023
22	NGEN6	33	1	A	Reason For Not Generating 6	IC-V-B-6	N	A	3023
23	NGEN7	34	1	A	Reason For Not Generating 7	IC-V-B-7	N	A	3023
24	-	35	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
25	-	36	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
26	-	37	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
27	-	38	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
28	-	39	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
29	-	40	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
30	-	41	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
31	-	42	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
32	-	43	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
33	-	44	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-

NOTE: This file should contain only one record for each EPA ID reporting. Also, any EPA ID appearing as a key in any of the "G", "R", or "O" files must also be represented here. The EPA ID number is the key field.

FLAT FILE ID# - S4

This file is no longer necessary because the data transmitted in this file is no longer requested in the *1997 Hazardous Waste Report, Instructions and Forms*.

Do not include an S4 file in your data submission.

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FLAT FILE ID# - S5

Source Form: IC **Description:** Form IC Comments from Respondent

Record Length: 74 **Block Size:** 23458

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA Identification Number	IC-I-A	MC	B	1000, 1010
2	IC_COMM_SEQ	13	2	I	Form IC Comment Sequence Number	Assigned by Respondent	S	-	-
3	IC_COMMENT	15	60	A	Form IC Comment	Bottom of Form IC	N	-	-

NOTE: All records having the same EPA ID number must have unique sequence numbers. IC comments are limited to twelve (sequence numbers 1-12) 60-character lines for each EPA ID number. The combination of the EPA ID number and the Sequence Number are the key fields for this file.

FLAT FILE ID# - G1

Source Form: GM **Description**: Waste Measurement Information

Record Length: 101 **Block Size:** 23432

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned By Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	WST_FORM	20	4	A	Waste Form Code (First character is always "B".)	GM-I-H	N	A	3060
5	WST_QTY_UOM	24	1	A	Unit of Measure	GM-II-B	MC	B	1220
6	WST_DENSITY	25	5	D2	Density	GM-II-B	MC	B	1201, 1230
7	WST_DEN_UOM	30	1	A	Density Unit of Measure ("1" = lbs/gal "2" = sg)	GM-II-B	MC	B	1230
8	WST_ORIGIN	31	1	A	Waste Origin Code	GM-I-E	N	A	3070
9	OR_SYS_TYP	32	4	A	Origin System Type (First character is always "M".)	GM-I-E	N	A	3080
10	ON_SITE_MANG	36	1	A	On-site Handling ("Y" = YES "N" = NO)	GM-II-C	N	A	3041
11	OFF_SITE_SHP	37	1	A	Off-site Handling ("Y" = YES "N" = NO)	GM-III-A	N	A	3042
12	-	38	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
13	PT_MEASURE	39	1	A	Point of Measurement	GM-I-G	N	A	3410
14	RAD_MIX	40	1	A	RCRA-Radioactive Mixed	GM-I-I	N	A	3430
15	SIC_CODE	41	4	A	SIC Code	GM-I-D	N	A	3040
16	WST_SOURCE	45	3	A	Source Code (First character is always "A".)	GM-I-F	N	A	3050
17	-	48	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-

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FLAT FILE ID# - G1

Source Form: GM **Description**: Waste Measurement Information

Record Length: 101 **Block Size:** 23432

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
18	-	49	12	D2	**System Required Field: Value = " " (blank) for all records.**		-	-	-
19	GEN_QTY	61	12	D2	Quantity Generated in Reporting Year	GM-II-A	MC	B	1203, 1210
20	-	73	1	A	**System Required Field: Value = " " (blank) for all records.**		-	-	-
21	-	74	12	D2	**System Required Field: Value = " " (blank) for all records.**		-	-	-
22	-	86	4	FD	**System Required Field: Value = " " (blank) for all records.**		-	-	-
23	-	90	12	D2	**System Required Field: Value = " " (blank) for all records.**		-	-	-

NOTES: The records in the G1 flat file capture data elements that have a 1:1 relationship to the reported waste, for these data elements the reported waste may contain only one value. If you examine Form GM, you will note these data elements are as follows: GM Section I, Blocks D through I; GM Section II, Blocks A through C; and GM Section III, Block A. The EPA ID number and GM page number are the key fields for each record.

Each record in the G1 file must contain a unique combination of the EPA ID Number and Page Number.

FLAT FILE ID# - G2

Source Form: GM **Description:** EPA Hazardous Waste Codes for each GM page

Record Length: 26 **Block Size:** 23452

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	HZW_SEQ	20	3	I	Hazardous Waste Code Sequence Number	Assigned by Respondent	S	-	-
5	HZW_CODE	23	4	A	EPA Hazardous Waste Code	GM-I-B	MC	B	1150

NOTES: The G2 flat file captures only the information contained in Section I, Block B of the GM form. The relationship of the data element to the reported waste is *n*:1. There can be multiple EPA waste codes for each unique reported waste. The EPA ID Number, the GM Page Number, and the Sequence Number are the key fields in each record. The G2 records also require the respondent to assign a sequence number for each EPA waste code in a reported waste. Each record represents one (1) waste code associated with one (1) reported waste (GM page number).

Records with the same EPA ID Number, Page Number, and Sub-Page Number must have unique sequence numbers and waste codes.

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FLAT FILE ID# - G3

Source Form: GM **Description:** State Hazardous Waste Codes for each GM page

Record Length: 28 **Block Size:** 23464

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	SHZW_SEQ	20	3	I	State Hazardous Waste Code Sequence Number	Assigned by Respondent	S	-	-
5	SHZW_CODE	23	6	A	State Hazardous Waste Code	GM-I-C	N	B	1150

NOTES: The G3 flat file is identical to the G2 flat file except that the data element captured is the State hazardous waste code as described in GM Section I, Block C and field five must be six characters long. The EPA ID Number, the GM Page Number, and the Sequence Number are the key fields in each record.

The sequence number and waste code must be unique for all records with the same EPA ID Number, Page Number, and Sub-Page Number.

FLAT FILE ID# - G4

This file is no longer necessary because the data transmitted in this file is no longer requested in the 1997 Hazardous Waste Report, Instructions and Forms.

Do not include a G4 file in your data submission.

FLAT FILE ID# - G5

Source Form: GM **Description:** Off-Site Management Information for the Reported Waste on Each GM Page

Record Length: 53 **Block Size:** 23426

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	IO_TDR	20	4	A	Off-site System Type (First Character is Always "M".)	GM-III-C	N	A	3090,3100
5	IO_TDR_ID	24	12	A	EPA ID No. of Off-site Facility Shipped to	GM-III-B	MC	B, A	1260, 3090
6	IO_TDR_QTY	36	12	D2	Total Quantity Shipped to EPA ID in Field 5 in Current Reporting Year	GM-III-E	MC	B, A	1207, 1260, 3090
7	IO_PG_NUM	48	5	I	Off-site Sequence Number	GM-III Site# Block	S	-	-
8	OFSITE_AVAIL	53	1	A	Off-site Availability Code	GM-III-D	N	A	3460

NOTES: The G5 flat file captures Off-Site treatment information for the reported waste being reported as represented in GM Section III, Blocks B through E. The reporter will number the waste's Off-site recipients 1 to *n*. A G5 record is created for each site that received reported waste being reported. The EPA ID Number, GM Page Number, Off-site System Type, and Off-site EPA ID Number are the key fields in each record.

There may be multiple records with the same EPA ID Number, Page Number, and Sub-Page Number. All records with the same EPA ID Number, Page Number, and Sub-Page Number must have a unique combination of Off-site facility ID and Off-site system type codes.

FLAT FILE ID# - G6

Source Form: GM **Description:** On-site Management Information for the Reported Waste on Each GM Page.

Record Length: 40 **Block Size:** 23440

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	SYS_TDR	20	4	A	On-site System Code (First character is always "M".)	See Section II	MC	B	1250
5	SYS_TDR_QTY	24	12	D2	Quantity Treated, Disposed or Recycled On-site in Current Reporting Year	See Section II	MC	B	1208, 1250
6	SYS_PG_NUM	36	5	I	On-site Sequence Number	GM-II System# Block	S	-	-

NOTES: The G6 flat file captures On-Site Treatment information as contained in the "On-Site System 1" and "On-Site System 2" blocks of GM Section II. Each G6 record identifies one on-site treatment system type and the quantity of the reported waste that was treated in that on-site system. On-site systems for each reported waste are numbered 1 to *n*. The EPA ID Number, GM Page Number, and On-site System Type are the key fields in each record.

There may be multiple records with the same EPA ID Number, Page Number, and Sub-Page Number. All records with the same EPA ID Number, Page Number, and Sub-Page Number must have unique On-site system type codes and On-site sequence numbers.

FLAT FILE ID# - G7

Source Form: GM **Description:** Text Description of Reported Waste for Each GM Page

Record Length: 81 **Block Size:** 23409

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	WST_DSCR_SEQ	20	2	I	Line/Sequence Number for Each 60-Character Line of Description Text	Assigned by Respondent	S	-	-
5	WST_DSCRP	22	60	A	Waste Description	GM-I-A	MC	-	-

NOTES: The G7 flat file captures the description of the reported waste corresponding to Form GM, Section I, Block A. The text description is limited to 720 characters and text must be parsed to 60-character lines numbered "01" to "12" by the respondent. Each G7 record contains one 60-character line of the reported waste description. The EPA ID Number, GM Page Number, and Sequence Number are the key fields in each record.

There may be multiple records with the same EPA ID Number, Page Number, and Sub-Page Number. All records with the same EPA ID Number, Page Number, and Sub-Page Number must have unique line sequence numbers.

FLAT FILE ID# - G8

Source Form: GM **Description:** User Comments for Each GM Page

Record Length: 81 **Block Size:** 23409

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	WST_COMM_SEQ	20	2	I	Line/Sequence Number for Each 60-Character Line of Comment Text	Assigned by Respondent	S	-	-
5	WST_COMMENT	22	60	A	Comments	Bottom of GM Form	N	-	-

NOTES: The format of the G8 flat file is identical to that of the G7 flat file, except that the records correspond to comment text for the GM form page. The EPA ID Number, GM Page Number, and Sequence Number are the key fields in each record.

There may be multiple records with the same EPA ID Number, Page Number, and Sub-Page Number. All records with the same EPA ID Number, Page Number, and Sub-Page number must have unique sequence numbers.

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FLAT FILE ID# - G9

This file is no longer necessary because the data transmitted in this file is no longer requested in the 1997 Hazardous Waste Report, Instructions and Forms.

Do not include a G9 file in your data submission.

FLAT FILE ID# - R1

Source Form: WR **Description:** Received Waste Description and Measurement Information

Record Length: 59 **Block Size:** 23423

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	WST_FORM	20	4	A	Form code (First Character is Always "B".)	WR-G	N	A	3060
5	WST_QTY_UOM	24	1	A	Unit of Measure	WR-F	MC	B	1220
6	WST_DENSITY	25	5	D2	Density	WR-F	MC	B	1230, 1301
7	WST_DEN_UOM	30	1	A	Density Unit of Measure ("1" = lbs/gal "2" = sg)	WR-F	MC	B	1230
8	RAD_MIX	31	1	A	RCRA-Radioactive mixed	WR-H	N	A	3440
9	IO_TDR	32	4	A	System Type Code (First Character is Always "M".)	WR-I	MC	B	1091
10	IO_TDR_ID	36	12	A	Off-site Source EPA ID Number	WR-D	MC	B	1262
11	IO_TDR_QTY	48	12	D2	Quantity Received in Current Reporting Year	WR-E	MC	B	1307, 1361

NOTES: The R1 file captures data elements that have a 1:1 relationship to the received waste. The R1 flat file may contain only one record for each received waste being reported. The EPA ID Number and WR Page Number are the key fields in each record.

Each record in the R1 file must contain a unique combination of EPA ID Number and Page Number.

October 1997

FLAT FILE ID# - R2

Source Form: WR **Description:** EPA Hazardous Waste Codes for Each Reported Waste Received

Record Length: 26 **Block Size:** 23452

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	HZW_SEQ	20	3	I	Hazardous Waste code Sequence Number	Assigned by Respondent	S	-	-
5	HZW_CODE	23	4	A	EPA Hazardous Waste Code	WR-B	MC	B	1150

NOTES: The R2 file contains the EPA hazardous waste codes for each WR form page as described in Form WR, Block B. The waste codes describe the received waste. The EPA ID Number, WR Page Number, and Waste Code Sequence number are the key fields in each record.

Because more than one EPA hazardous waste code may be used to describe a received waste, multiple records may exist with the same page number. All records with the same EPA ID Number, Page Number, and Sub-Page Number must contain unique sequence numbers and waste codes.

FLAT FILE ID# - R3

Source Form: WR **Description:** State Hazardous Waste Codes for Each Reported Waste Received

Record Length: 28 **Block Size:** 23464

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	SHZW_SEQ	20	3	I	State Hazardous Waste Code Sequence Number	Assigned by Respondent	S	-	-
5	SHZW_CODE	23	6	A	State hazardous waste code	WR-C	N	B	1150

NOTES: The rules for the R3 file are identical to those of the R2 except that the waste code is the State hazardous waste code as described in Form WR, Block C. The EPA ID number, WR Page Number, and Waste Code Sequence Number are the key fields in each record.

Because more than one state hazardous waste code may be used to describe a received waste, multiple records may exist with the same page number. All records with the same EPA ID Number, Page Number, and Sub-Page Number must contain unique sequence numbers and waste codes.

October 1997

FLAT FILE ID# - R4

Source Form: WR **Description:** Description of Reported Waste Received on Each WR Page

Record Length: 81 **Block Size:** 23409

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	WST_DSCR_SEQ	20	2	I	Line/Sequence Number for Each 60-Character Line of Description Text	Assigned by Respondent	S	-	-
5	WST_DSCRP	22	60	A	Description of Received Hazardous Waste	WR-A	MC	-	-

NOTES: The R4 flat file captures the received waste description corresponding to Form WR, Block A. The length of the text description is limited to 720 characters and must be parsed to 60-character lines numbered "01" to "12" by the respondent. The EPA ID Number, WR Page Number, and Line Sequence Number are the key fields in each record.

Records with the same EPA ID Number, Page Number, and Sub-Page Number must have unique line/sequence numbers.

FLAT FILE ID# - R5

Source Form: WR **Description:** User Comments for Each WR Page

Record Length: 81 **Block Size:** 23409

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	B	1910
2	HZ_PG	13	5	I	Page Number	Assigned by Respondent	S	A	3920
3	SUB_PG_NUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	A	3930
4	WST_COMM_SEQ	20	2	I	Line/Sequence Number for Each 60-Character Line of Comment Text	Assigned by Respondent	S	-	-
5	WST_COMMENT	22	60	A	Comments	Bottom of WR Form	N	-	-

NOTES: The format of the R5 flat file is identical to that of the R4 flat file except that the records correspond to comment text for the WR form page. The EPA ID number, WR page number, and Line Sequence Number are the key fields in each record.

Records with the same EPA ID Number, Page Number, and Sub-Page Number must have unique line/sequence numbers.

FLAT FILE ID# - T1

This file is no longer necessary because the data transmitted in this file is no longer requested in the 1997 Hazardous Waste Report, Instructions and Forms.

Do not include a T1 file in your data submission.

FLAT FILE ID# - T2

This file is no longer necessary because the data transmitted in this file is no longer requested in the 1997 Hazardous Waste Report, Instructions and Forms.

Do not include a T2 file in your data submission.

FLAT FILE ID# - T3

This file is no longer necessary because the data transmitted in this file is no longer requested in the 1997 Hazardous Waste Report, Instructions and Forms.

Do not include a T3 file in your data submission.

FLAT FILE ID# - T4

This file is no longer necessary because the data transmitted in this file is no longer requested in the 1997 Hazardous Waste Report, Instructions and Forms.

Do not include a T4 file in your data submission.

FLAT FILE ID# - O1

Source Form: OI **Description:** Identification of All Handlers to Whom or From Whom Waste was Shipped, and Transporters

Record Length: 170 **Block Size:** 3740

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	A	3960
2	OFF_ID	13	12	A	Off-site Installation or Transporter EPA ID Number	OI-A	N	A	3260
3	OSITE_PGNUM	25	5	I	Page Number	Assigned by Respondent	S	-	-
4	OSITE_SUBNUM	30	2	I	**System Required Field: Value = "01" for all records.**		S	-	-
5	WST_GEN_FLG	32	1	A	Handler Type = Generator ("X" = True " " = False)	OI-C	N	A	3320
6	WST_TRNS_FLG	33	1	A	Handler Type = Transporter ("X" = True " " = False)	OI-C	N	A	3320
7	WST_TSDR_FLG	34	1	A	Handler Type = TSDR ("X" = True " " = False)	OI-C	N	A	3320
8	ONAME	35	40	A	Name of Off-site Installation or Transporter	OI-B	N	A	3270
9	O1STREET	75	30	A	1st Street Address Line of Installation or Transporter	OI-D	N	A	3330
10	O2STREET	105	30	A	2nd Street Address Line of Installation or Transporter	OI-D	N	-	-
11	OCITY	135	25	A	City	OI-D	N	A	3330
12	OSTATE	160	2	A	State	OI-D	N	A	3330
13	OZIP	162	9	A	Zip Code	OI-D	N	-	-

NOTES: The relationship between all site information data elements is 1:1. All O1 records will be unique. The EPA ID Number and OI Page Number are the key fields in each record.

Each record in the O1 file must contain a unique combination of EPA ID Number and Page Number.

FLAT FILE ID# - O2

Source Form: OI **Description:** User Comments

Record Length: 81 **Block Size:** 3807

Field No.	Field Name	Starting Column	Field Length	Data Type	Description	Location on Form	Data Class	Edit Type	Edit Number
1	HID_NUM	1	12	A	EPA ID Number	Site ID Block	MC	A	3960
2	OSITE_PGNUM	13	5	I	Page Number	Assigned by Respondent	S	-	-
3	OSITE_SUBNUM	18	2	I	**System Required Field: Value = "01" for all records.**		S	-	-
4	OI_COMM_SEQ	20	2	I	Line/Sequence Number for Each 60-Character Line of Comment Text	Assigned by Respondent	S	-	-
5	OI_COMMENT	22	60	A	60-Character Comment Line	Bottom of OI Form	N	-	-

NOTES: The O2 flat file captures the text "Comments" for each OI page number. The length of the text description is limited to 720 characters and must be parsed to 60-character lines numbered "01" to "12" by the respondent. Each O2 record contains the line number and it's respective 60-character text block. The EPA ID Number, OI Page Number, and Line Sequence Number are the key fields in each record.

Records with the same EPA ID Number and Page Number must have unique line/sequence numbers.

APPENDIX C

Data Assessment Edits

October 1997

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APPENDIX C

Data Assessment Edits

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Error Number	Form	Basic Advanced	Logic to Select Errors	Edit Descriptions
1000	IC	Bas	· &STATE NE EDIT(HID_NUM,99)	The first two characters of the EPA ID must match the state code selected by the operator.
1010	IC	Bas	· HID_NUM FAILS CHECK DIGIT	The EPA ID must pass the check digit routine.
1020	IC	Bas	· HHANDLER EQ ' ' · POSTCARD EQ '0' OR ' '	Handler name must not be blank if Form IC is required.
1030	IC	Bas	· HLOC1STRT EQ ' ' · POSTCARD EQ '0' OR ' '	Street must not be blank if Form IC is required.
1040	IC	Bas	· HLOC_CITY EQ ' ' · POSTCARD EQ '0' OR ' '	City, town, village, etc. must not be blank if Form IC is required.
1060	IC	Bas	· DECODE HLOC_STATE(STATE) · POSTCARD EQ '0' OR ' '	State must be a valid postal code if Form IC is required.
1070	IC	Bas	· HMAIL1STRT EQ ' ' · POSTCARD EQ '0' OR ' '	Street must not be blank if Form IC is required.
1080	IC	Bas	· HMAIL_CITY EQ ' ' · POSTCARD EQ '0' OR ' '	City or town must not be blank if Form IC is required.
1090	IC	Bas	· DECODE HMAIL_STATE(STATE) · POSTCARD EQ '0' OR ' '	State must be a valid postal code if Form IC is required.
1091	WR	Bas	· FORM_IND EQ WR · DECODE IO_TDR(SYSTYPE)	The System Type Code field must contain a valid code if the Form Indicator field equals 'WR'.
1100	IC	Bas	· HCONT_LAST EQ ' ' · POSTCARD EQ '0' OR ' '	Last name of contact must not be blank if Form IC is required.
1100	IC	Bas	· HCONT_FIRST EQ ' ' · POSTCARD EQ '0' OR ' '	First name of contact must not be blank if Form IC is required.

Error Number	Form	Basic Advanced	Logic to Select Errors	Edit Descriptions
1110	IC	Bas	· HCONT_PHONE EQ ' ' · POSTCARD EQ '0' OR ' '	Contact phone number must not be blank if Form IC is required.
1140	IC	Bas	· WST_GEN_STAT NE 1-4 · POSTCARD EQ '0' OR ' '	Generator status must be 1-4 if Form IC is required.
1147	IC	Bas	· ON_STOR_ST NE 1-5 · POSTCARD EQ '0' OR ' '	Storage indicator must be 1-5 if Form IC is required.
1148	IC	Bas	· ON_R_TDR_ST NE 1-3 · POSTCARD EQ '0' OR ' '	RCRA treatment, recycling, or disposal indicator must be 1-3 if Form IC is required.
1150	GM WR	Bas Bas	· FORM_IND EQ 'xx' · DECODE HZW_CODE(HZWCODE) - or - · HZW_CODE & SHZW_CODE EQ ' '	EPA Hazardous Waste Code must be valid or blank. If no EPA hazardous waste code exists, then at least one State Waste Code must exist.
1201	GM	Bas	· FORM_IND EQ GM · WST_DENSITY GT 99.99, GT 0 AND LT 0.01, OR LT 0	The waste density (BRS variable WST_DENSITY) must be less than or equal to 99.99, greater than or equal to 0.01, or 0 on Form GM.
1203	GM	Bas	· FORM_IND EQ GM · GEN_QTY GT 999999999.99, GT 0 AND LT 0.01, OR LT 0	The quantity generated in the reporting year (BRS variable GEN_QTY) must be less than or equal to 999999999.99, greater than or equal to 0.01, or 0 on Form GM.
1207	GM	Bas	· FORM_IND EQ GM · IO_TDR_QTY GT 999999999.99, GT 0 AND LT 0.01, OR LT 0	The total quantity shipped off-site in the reporting year (BRS variable IO_TDR_QTY) must be less than or equal to 999999999.99, greater than or equal to 0.01, or 0 on Form GM.

Error Number	Form	Basic Advanced	Logic to Select Errors	Edit Descriptions
1208	GM	Bas	· FORM_IND EQ GM · SYS_TDR_QTY GT 999999999.99, GT 0 AND LT 0.01, OR LT 0	The total quantity treated, disposed, or recycled on-site in the reporting year (BRS variable SYS_TDR_QTY) must be less than or equal to 999999999.99, greater than or equal to 0.01, or 0 on Form GM.
1210	GM	Bas	· FORM_IND EQ 'xx' · GEN_QTY LT 0	The quantity generated in the reporting year must be greater than or equal to zero.
1220	GM WR	Bas Bas	· FORM_IND EQ 'xx' · WST_QTY_UOM NE 1-7	The unit of measure code (BRS variable WST_QTY_UOM) must be 1-7.
1230	GM WR	Bas Bas	· FORM_IND EQ 'xx' · WST_QTY_UOM EQ 5-7 · WST_DEN_UOM EQ 1-2 · WST_DENSITY EQ 0	Density (BRS variable WST_DENSITY) must be greater than zero and Density Unit of Measure (BRS variable WST_DEN_UOM) must be 1 or 2 if the waste quantity unit of measure (BRS variable WST_QTY_UOM) is 5-7.
1250	GM	Bas	· FORM_IND EQ GM · SYS_TDR EQ ' ' · SYS_TDR_QTY GT 0 - or - · FORM_IND EQ GM · SYS_TDR NE ' ' · DECODE SYS_TDR(SYSTYPE) · SYS_TDR_QTY LE 0	BOTH the On-site Management System Type AND On-site Management Quantity fields must contain corresponding valid values or corresponding blanks. If either the On-site Management System Type OR On-site Management Quantity field contains a valid value, the other field must contain a valid value. If either field is blank, both fields must be blank.

Error Number	Form	Basic Advanced	Logic to Select Errors	Edit Descriptions
1260	GM	Bas	· FORM_IND EQ GM · IO_TDR_ID EQ ' ' · IO_TDR_QTY GT 0 - or - · FORM_IND EQ GM · IO_TDR_ID NE ' ' AND PASSES CHECK DIGIT · IO_TDR_QTY LE 0	BOTH the Off-site ID AND Off-site Shipment Quantity fields must contain corresponding valid values or corresponding blanks. If either the Off-site ID OR Off-site Shipment Quantity field contains a valid value, the other field must contain a valid value. If either field is blank, both fields must be blank.
1262	WR	Bas	· FORM_IND EQ WR · x = EDIT(IO_TDR_ID,99) · DECODE x (STATE)	The first two characters of a generating site's ID (as reported by the receiving site on the WR form) must be a valid BRS state code or 'FC' if the Form Indicator field equals 'WR'.
1301	WR	Bas	· FORM_IND EQ WR · WST_DENSITY LT 99.99, GT 0.01, OR EQ 0	The waste density (BRS variable WST_DENSITY) must be less than 99.99, greater than 0.01, or 0 on Form WR.
1307	WR	Bas	· FORM_IND EQ WR · IO_TDR_QTY LT 999999999.99, GT 0.01	The total quantity received in the reporting year (BRS variable IO_TDR_QTY) must be less than 999999999.99 or greater than 0.01 on Form WR.
1361	WR	Bas	· FORM_IND EQ WR · IO_TDR_QTY LE 0	Total quantity received must be greater than zero.
1400	IC	Bas	· WST_GEN_STAT EQ 1 · FORM_IND NE GM · &LINES EQ 0 · POSTCARD EQ '0' or ' '	If the site indicated it was a large quantity generator on Form IC, Section V, Block A (BRS variable WST_GEN_STAT equals '1') for the reporting year, then at least one GM Form must be completed for that site if Form IC is required.

Error Number	Form	Basic Advanced	Logic to Select Errors	Edit Descriptions
1910	GM WR	Bas Bas	· FORM_IND EQ 'xx' · HID_NUM not in SITES	Form GM or WR is present for this EPA ID, but no Form IC or Postcard is present in the SITES file of BRS for this EPA ID.
3020	IC	Adv	· MATCH &FILE BY HLOC_COUNTY · FILE HCOUNTY2 IF &LINES EQ 0 · POSTCARD EQ '0' or ' '	County name must be valid if Form IC is required.
3023	IC	Adv	· NGEN1 - NGEN7 NE 'X' · WST_GEN_STAT EQ 4 · POSTCARD EQ '0' OR ' '	At least one of the reasons for not generating must be 'X' if the generator status equals 4, if Form IC is required.
3040	GM	Adv	· FORM_IND EQ 'GM' · DECODE SIC_CODE(SICCODE)	SIC code must be valid.
3041	GM	Adv	· FORM_IND EQ GM · ON_SITE_MANG NE Y or N or ' '	Indicator of on-site treatment must be Y, or N, or blank.
3042	GM	Adv	· FORM_IND EQ GM · OFF_SITE_SHP NE Y or N or ' '	Indicator of off-site treatment must be Y, or N, or blank.
3050	GM	Adv	· FORM_IND EQ 'GM' · DECODE WST_SOURCE(WSTSOURC)	Source code must be valid.
3060 3060	GM WR	Adv Adv	· FORM_IND EQ 'GM' · DECODE WST_FORM(WSTEFORM)	Form code must be valid.
3070	GM	Adv	· FORM_IND EQ 'GM' · WST_ORIGIN NE 1-5	Origin code must be 1-5.
3080	GM	Adv	· FORM_IND EQ 'GM' · WST_ORIGIN EQ 5 · DECODE OR_SYS_TYP(SYSTYPE)	If origin code is equal to 5, then the Origin System Type (BRS variable OR_SYS_TYP) must be valid.

Error Number	Form	Basic Advanced	Logic to Select Errors	Edit Descriptions
3090	GM	Adv	· FORM_IND EQ GM · DECODE IO_TDR(SYSTYPE) · IO_TDR_ID Fails Check Digit · IO_TDR_QTY LT 0.01 or GT 9999999999.99	All three fields, System Type (IO_TDR), Off-Site ID (IO_TDR_ID), and TDR Quantity (IO_TDR_QTY) must be valid if any of these fields are greater than blank or greater than 0.
3100	GM	Adv	· FORM_IND EQ GM · IO_TDR NE ' ' · OFF_SITE_SHP EQ N	System type must be blank if off-site shipment indicator (BRS variable OFF_SITE_SHP) is no.
3260	OI	Adv	· OFF_ID FAILS CHECK DIGIT	EPA ID of off-site installation or transporter must pass EPA ID check digit routine.
3270	OI	Adv	· ONAME EQ ' '	Name of off-site installation or transporter must not be blank.
3320	OI	Adv	· WST_GEN_FLG EQ ' ' · WST_TRNS_FLG EQ ' ' · WST_TSDR_FLG EQ ' '	At least one of the three handler types (Generator, Transporter, or TSDR) must not be blank.
3330	OI	Adv	· OCITY EQ ' ' · WST_TRNS_FLG EQ ' '	Off-site installation city must not be blank unless transporter is equal to an 'X' and generator and TSDR are blank.
3330	OI	Adv	· DECODE OSTATE(STATE) · WST_TRNS_FLG EQ ' '	Off-site installation state must be valid unless transporter is equal to an 'X' and generator and TSDR are blank.
3330	OI	Adv	· O1STREET EQ ' ' · WST_TRNS_FLG EQ ' '	Address of off-site installation must not be blank unless transporter is equal to an 'X' and generator and TSDR are blank.
3410	GM	Adv	· PT_MEASURE NE 1-4	The Point of Measure must be a valid value (1, 2, 3,or 4).
3430 3440	GM WR	Adv Adv	· RAD_MIX NE 1 or 2.	The RCRA Radioactive Mixed Indicator must be a valid value (1 or 2).

Error Number	Form	Basic Advanced	Logic to Select Errors	Edit Descriptions
3460	GM	Adv	· IF IO_TDR_ID NE ‘ ’ · OFSITE_AVAIL NE 1 or 2 - or - · IF IO_TDR_ID EQ ‘ ’ · OFSITE_AVAIL NE ‘ ’	The Off-site Availability Code must be a valid value (1 or 2) if there is an Off-site shipment, otherwise the field is blank.
3900	IC	Adv	· HLOC_STATE NE EDIT(HID_NUM,99) · POSTCARD EQ '0' OR ' '	On a Form IC (BRS variable POSTCARD equals '0' or ' '), the state in the site's location address (BRS variable HLOC_STATE) must be the same as the first two characters of the site's EPA ID.
3920	GM WR	Adv Adv	· FORM_IND EQ 'xx' · HZ_PG LE 0	The page number (BRS variable HZ_PG) on a GM or WR form must be greater than 0.
3930	GM WR	Adv Adv	· FORM_IND EQ 'xx' · SUB_PG_NUM LE 0	The sub-page number (BRS variable SUB_PG_NUM) on a GM or WR form must be greater than 0.
3960	OI	Adv	· HID_NUM not in SITES	The EPA ID filing a Form OI must also either have filed a Form IC or a Postcard.
4000	IC	Bas	· HHANDLER CONTAINS '*'	Records marked for deletion do not pass editor.
4001	IC	Bas	· &STATE NE EDIT(HID_NUM,99) · HHANDLER EQ '*'	If the site is deleted, the first two characters of the EPA ID must match the state code selected by the operator.
4010	IC	Bas	· POSTCARD EQ 1-3	Site has filed a Postcard (BRS variable POSTCARD equals 1-3). **Note**: This edit is used to identify sites filing Postcards to ensure that the site should have filed a Postcard instead of a complete forms package.

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APPENDIX D

Who Must File Instructions and What Must Be Reported

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WHO MUST FILE THE 1997 HAZARDOUS WASTE REPORT

Sites Required to File the Hazardous Waste Report

You are required by Federal statute to complete and file the 1997 Hazardous Waste Report if your site:

- Met the definition (see box below) of a RCRA Large Quantity Generator (LQG) during 1997.

  AND/OR

- Treated, stored, or disposed RCRA hazardous wastes on site during 1997.

Definition of a RCRA Large Quantity Generator

A site is a RCRA Large Quantity Generator (LQG) if, in 1997, the site met **any** of the following criteria:

(a) The site generated in any single month 1,000 kg (2,200 lbs) or more of RCRA hazardous waste; **or**

(b) The site generated in any single month, or accumulated at any time, 1 kg (2.2 lbs) of RCRA acute hazardous waste; **or**

(c) The site generated or accumulated at any time more than 100 kg (220 lbs) of spill cleanup material contaminated with RCRA acute hazardous waste.

NOTE: Wastes treated in units exempt from RCRA permitting requirements are not to be counted in determining whether a site is a Large Quantity Generator.

Sites That Should Not File The Hazardous Waste Report

Do not file the 1997 Hazardous Waste Report if, during 1997, your site was not a RCRA LQG (your site does not meet any of the criteria in the box above) and did not treat, store, or dispose RCRA hazardous wastes on site.

If you are not required to file the 1997 Hazardous Waste Report, please return the postcard found on the back cover to indicate that you are exempt from the reporting requirement. EPA will use the postcards to identify sites that are not required to report.

The following lists information on each form that must be provided, if required to submit that form:

FORM IC

Section I

Block A	EPA Identification Number
Block C	Site/Company Name
Block E	Location Street Name and Number
Block F	Location City
Block G	Location State
Block H	Location Zip Code

Section II

Block B	Mailing Address Street Name and Number
Block C	Mailing Address City
Block D	Mailing Address State
Block E	Mailing Address Zip Code

Section III

Block A	Site Contact Last Name, First Name, and Initial
Block B	Site Contact Title
Block C	Site Contact Area Code, Telephone Number, and Extension

Section IV

Block A	Report Certification Official Last Name, First Name, and Initial
Block B	Report Certification Official's Title
Block D	Report Certification Date of Signature

Section V

Block A	Current reporting year Generator Status

Section VI

Block A	Storage subject to RCRA Permitting requirements
Block B	Treatment, disposal, or recycling subject to RCRA Permitting requirements

FORM GM

Site Name

EPA Identification Number

Section I

Block A	Waste Description
Block B	EPA Hazardous Waste Codes

Section II

Block A	Quantity generated in current reporting year
Block B	Unit of Measure and density information

For each On-site Process System

EPA Process System Code

Quantity treated, disposed, recycled on-site in that process system

Section III

For each Off-site Shipment

Block B	EPA ID number of the site the waste was shipped to
Block E	Quantity of waste shipped to that EPA ID

FORM WR

Site Name

EPA Identification Number

For each waste reported (one waste per section)

Block A	Description of hazardous waste
Block B	EPA Hazardous Waste Codes
Block D	Off-site source EPA ID number
Block E	Quantity received in current reporting year
Block F	Unit of measure and density
Block I	EPA Process System Type

FORM OI

Not required

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APPENDIX E

Hazardous Waste Report Annotated Forms

October 1997

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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: _____

EPA ID NO: .)2)2)-.)2)2)-.)2)2)-.)2)2)-

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM IC

IDENTIFICATION AND CERTIFICATION

Instructions: Please see the detailed instructions beginning on page 7 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each section is provided below.

Sec. I Site name and location address. Check the box □ in items A, B, C, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instructions page 7.

A. EPA ID No. S(x) - 1 Same as label □ or → .)2)2)-.)2)2)-.)2)2)-.)2)2)-	B. County S1-9 Same as label □ or →	
C. Site/company name S1-2 Same as label □ or →	D. Has the site name associated with the EPA ID changed since 1995? □ 1 Yes □ 2 No	
E. Street name and number. If not applicable, enter industrial park, building name, or other physical location description. S1-6, S1-7 Same as label □ or →		
F. City, town, village S1-8 Same as label □ or →	G. State S1-10 Same as label □ or → .)2)-	H. Zip Code S1-11 Same as label □ or → .)2)2)2)2)-.)2)2)2)-

Sec. II Mailing address of site. Instructions page 7.

A. Is the mailing address the same as the location address? □ 1 Yes (SKIP TO SEC. III) □ 2 No (CONTINUE TO BOX B)

B. Number and street name of mailing address S2-2, S2-3		
C. City, town, village S2-4	D. State S2-5 .)2)-	E. Zip Code S2-6 .)2)2)2)2)-.)2)2)2)-

Sec. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instructions page 7.

A. Last Name First name M.I. S2-12 S2-13	B. Title S2-14	C. Telephone Number S2-15 .)2)2)-.)2)2)-.)2)2)2)- Extension .)2)2)2)- S2-16

Sec. IV "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties under Section 3008 of the Resource Conservation and Recovery Act for submitting false information, including the possibility of fine and imprisonment for knowing violations." Instructions page 8.

A. Last Name First name M.I. S2-7 S2-8	B. Title S2-9
C. Signature	D. Date of signature S2-10 .)2)- .)2)- .)2)- Month Day Year

EPA ID NO. .)2)2)-.)2)2)-.)2)2)-.)2)2)-

Sec. V Generator status. Instructions begin on page 8.

A. 1997 RCRA generator status

(CHECK ONE BOX BELOW) S2-11

□ 1 LQG
□ 2 SQG
□ 3 CESQG
} SKIP TO SEC. VI

□ 4 Non-generator (CONTINUE TO BOX B)

B. Reason for not generating

(CHECK ALL THAT APPLY)

□ 1 Never generated S3-17
□ 2 Out of business S3-18
□ 3 Only excluded or delisted waste S3-19
□ 4 Only non-hazardous waste S3-20
□ 5 Periodic or occasional generator S3-21
□ 6 Waste minimization activity S3-22
□ 7 Other (SPECIFY IN COMMENTS BOX BELOW) S-23

Sec. VI On-site waste management status. Instructions page 10.

A. Storage subject to RCRA permitting requirements S2-17

.))-

B. Treatment, disposal, or recycling subject to RCRA permitting requirements

.))-

Comments: S5-2 = Line/Sequence Number
S5-3 = 60-Character Line of Text

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: _____

EPA ID NO: .)2)2)-.)2)2)-.)2)2)-.)2)2)-
G(x) - 1

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM GM

WASTE GENERATION AND MANAGEMENT

Instructions: Please see the detailed instructions beginning on page 11 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Sec. I

A. Waste description (page 12) G7-4 = LINE SEQUENCE NUMBER; G7-5 = 60 CHARACTER LINE OF TEXT

B. EPA hazardous waste code (page 12) .)2)2)2)- .)2)2)2)- G2-4
.)2)2)2)- .)2)2)2)- .)2)2)2)- G2-5

C. State hazardous waste code (page 13) G3-4 G3-5
.)2)2)2)2)2)-.)2)2)2)2)2)-

D. SIC code (page 13) G1-15	E. Origin code G1-8 / System Type G1-9	F. Source code (page 14) G1-16	G. Point of measurement (p. 14) G1-13	H. Form code (page 14) G1-4	I. RCRA-radioactive mixed (page 14) G1-14
.)2)2)2)-	.)- / .M2)2)2)-	.A2)2)-	.)-	.B2)2)2)-	.)-

Sec. II

A. Quantity generated in 1997 (page 15) G1-19
.)2)2)2)2)2)2)2)2)-.)-

B. UOM (page 15) G1-6 .)- G1-5
Density .)2)-.)2)-
G1-7 □ 1 lbs/gal □ 2 sg

C. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? (page 15) G1-10
□ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)
□ 2 No (SKIP TO SEC. III)

ON-SITE PROCESS SYSTEM 1 G6-6

On-site process system type (page 16) G6-4: .M2)2)2)-
Quantity treated, disposed, or recycled on site in 1997 (page 16) G6-5: .)2)2)2)2)2)2)2)2)-.)-

ON-SITE PROCESS SYSTEM 2 G6-6

On-site process system type (page 16) G6-4: .M2)2)2)-
Quantity treated, disposed, or recycled on site in 1997 (page 16) G6-5: .)2)2)2)2)2)2)2)2)-.)-

Sec. III

A. Was any of this waste shipped off site in 1997 for treatment, disposal, or recycling? (page 17)
□ 1 Yes (CONTINUE TO BOX B) □ 2 No (FORM IS COMPLETE) G1-11

	B. EPA ID No. of facility waste was shipped to (page 17) G5-5 / G5-4 →	C. System type shipped to (p.17)	D. Off-site availability code (page 17)	E. Total quantity shipped in 1997 (page 17) G5-6
Site 1 G5-7	.)2)2)-.)2)2)-.)2)2)-.)2)2)-	.M2)2)2)-	G5-8 .)-	.)2)2)2)2)2)2)2)2)-.)-
Site 2 G5-7	.)2)2)-.)2)2)-.)2)2)-.)2)2)-	.M2)2)2)-	G5-8 .)-	.)2)2)2)2)2)2)2)2)-.)-
Site 3 G5-7	.)2)2)-.)2)2)-.)2)2)-.)2)2)-	.M2)2)2)-	G5-8 .)-	.)2)2)2)2)2)2)2)2)-.)-

Comments: G8-4 = LINE SEQUENCE NUMBER; G8-5 = 60 CHARACTER LINE OF TEXT

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: _____

EPA ID NO: .)2)2)-.)2)2)-.)2)2)-.)2)2)-
R(x) - 1

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

FORM WR

WASTE RECEIVED FROM OFF SITE

Instructions: Please see the detailed instructions beginning on page 19 of the instructions and forms booklet before completing this form. In addition, the page number for instructions specific to each box is provided in parentheses.

Waste 1

A. Description of hazardous waste (page 19)
R4-4 = LINE SEQUENCE NUMBER
R4-5 = 60 CHARACTER LINE OF TEXT

B. EPA hazardous waste code (page 20)
.)2)2)2)- .)2)2)2)- R2-4
.)2)2)2)- .)2)2)2)- R2-5

C. State hazardous waste code (page 20)
.)2)2)2)2)2)-
R3-4 R3-5 .)2)2)2)2)2)-

D. Off-site handler EPA ID number (page 20)
R1-10
.)2)2)-.)2)2)-.)2)2)-.)2)2)-

E. Quantity received in 1997 (page 20) R1-11
.)2)2)2)2)2)2)2)2)2)-..)-

F. UOM (page 20) Density R1-6
.)- .)2)-..)2)-
R1-5 □ 1 lbs/gal □ 2 sg R1-7

G. Form code (page 21) R1-4
.B2)2)2)-

H. RCRA-radioactive mixed (page 21) R1-8
.)-

I. System type (page 21) R1-9
.M2)2)2)-

Waste 2

A. Description of hazardous waste (page 19)

B. EPA hazardous waste code (page 20)
.)2)2)2)- .)2)2)2)-
.)2)2)2)- .)2)2)2)-

C. State hazardous waste code (page 20)
.)2)2)2)2)2)-
.)2)2)2)2)2)-

D. Off-site handler EPA ID number (page 20)
□ Check if same as in Waste 1
.)2)2)-.)2)2)-.)2)2)-.)2)2)-

E. Quantity received in 1997 (page 20)
.)2)2)2)2)2)2)2)2)2)-..)-

F. UOM (page 20) Density
.)- .)2)-..)2)-
□ 1 lbs/gal □ 2 sg

G. Form code (page 21)
.B2)2)2)-

H. RCRA-radioactive mixed (page 21)
.)-

I. System type (page 21)
.M2)2)2)-

Waste 3

A. Description of hazardous waste (page 19)

B. EPA hazardous waste code (page 20)
.)2)2)2)- .)2)2)2)-
.)2)2)2)- .)2)2)2)-

C. State hazardous waste code (page 20)
.)2)2)2)2)2)-
.)2)2)2)2)2)-

D. Off-site handler EPA ID number (page 20)
□ Check if same as in Waste 2
.)2)2)-.)2)2)-.)2)2)-.)2)2)-

E. Quantity received in 1997 (page 20)
.)2)2)2)2)2)2)2)2)2)-..)-

F. UOM (page 20) Density
.)- .)2)-..)2)-
□ 1 lbs/gal □ 2 sg

G. Form code (page 21)
.B2)2)2)-

H. RCRA-radioactive mixed (page 21)
.)-

I. System type (page 21)
.M2)2)2)-

Comments: R5-4 = LINE SEQUENCE NUMBER
R5-5 = 60 CHARACTER LINE OF TEXT

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: _____

EPA ID NO: .)2)2)-.)2)2)-.)2)2)-.)2)2)-
O(x) - 1

FORM OI

U.S. ENVIRONMENTAL PROTECTION AGENCY

1997 Hazardous Waste Report

OFF-SITE IDENTIFICATION

Instructions: Please read the detailed instructions on the reverse side before completing this form.

Site 1

A. EPA ID No. of off-site installation or transporter O1-2
.)2)2)-.)2)2)-.)2)2)-.)2)2)-

B. Name of off-site installation or transporter O1-8

C. Handler type (CHECK ALL THAT APPLY)
- □ Generator O1-5
- □ Transporter O1-6
- □ TSDR facility O1-7

D. Address of off-site installation O1-9 ADDR, LINE 1 O1-10 ADDR, LINE 2
Street _____
City O1-11 State .)2)- O1-12
Zip .)2)2)2)2)-.)2)2)2)- O1-13

Site 2

A. EPA ID No. of off-site installation or transporter
.)2)2)-.)2)2)-.)2)2)-.)2)2)-

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- □ Generator
- □ Transporter
- □ TSDR facility

D. Address of off-site installation
Street _____
City _____ State .)2)-
Zip .)2)2)2)2)-.)2)2)2)-

Site 3

A. EPA ID No. of off-site installation or transporter
.)2)2)-.)2)2)-.)2)2)-.)2)2)-

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- □ Generator
- □ Transporter
- □ TSDR facility

D. Address of off-site installation
Street _____
City _____ State .)2)-
Zip .)2)2)2)2)-.)2)2)2)-

Site 4

A. EPA ID No. of off-site installation or transporter
.)2)2)-.)2)2)-.)2)2)-.)2)2)-

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- □ Generator
- □ Transporter
- □ TSDR facility

D. Address of off-site installation
Street _____
City _____ State .)2)-
Zip .)2)2)2)2)-.)2)2)2)-

Site 5

A. EPA ID No. of off-site installation or transporter
.)2)2)-.)2)2)-.)2)2)-.)2)2)-

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- □ Generator
- □ Transporter
- □ TSDR facility

D. Address of off-site installation
Street _____
City _____ State .)2)-
Zip .)2)2)2)2)-.)2)2)2)-

Comments: O2-4 = LINE SEQUENCE NUMBER
O2-5 = 60 CHARACTER LINE OF TEXT

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APPENDIX F

BRS FOCUS Structure Charts

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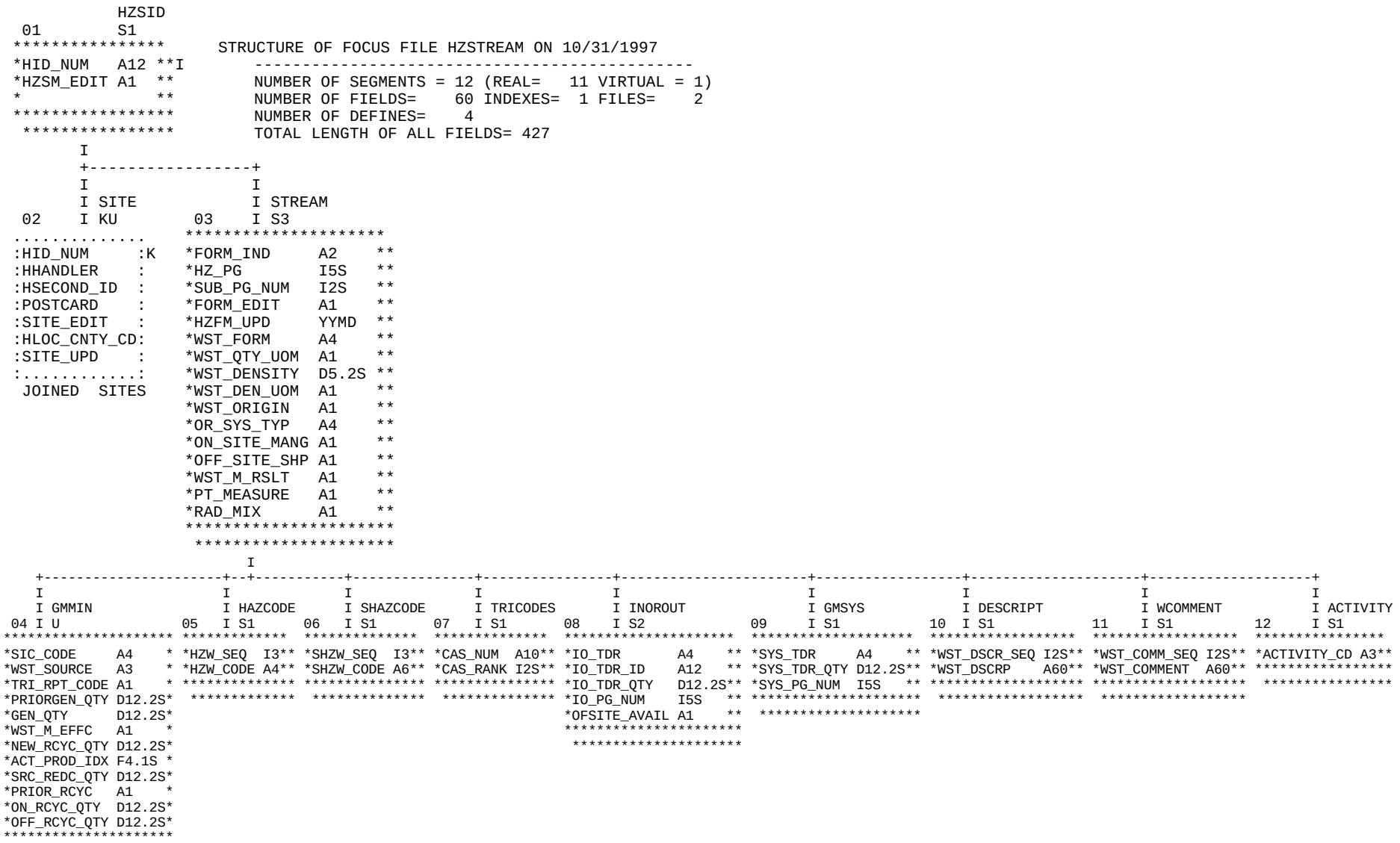
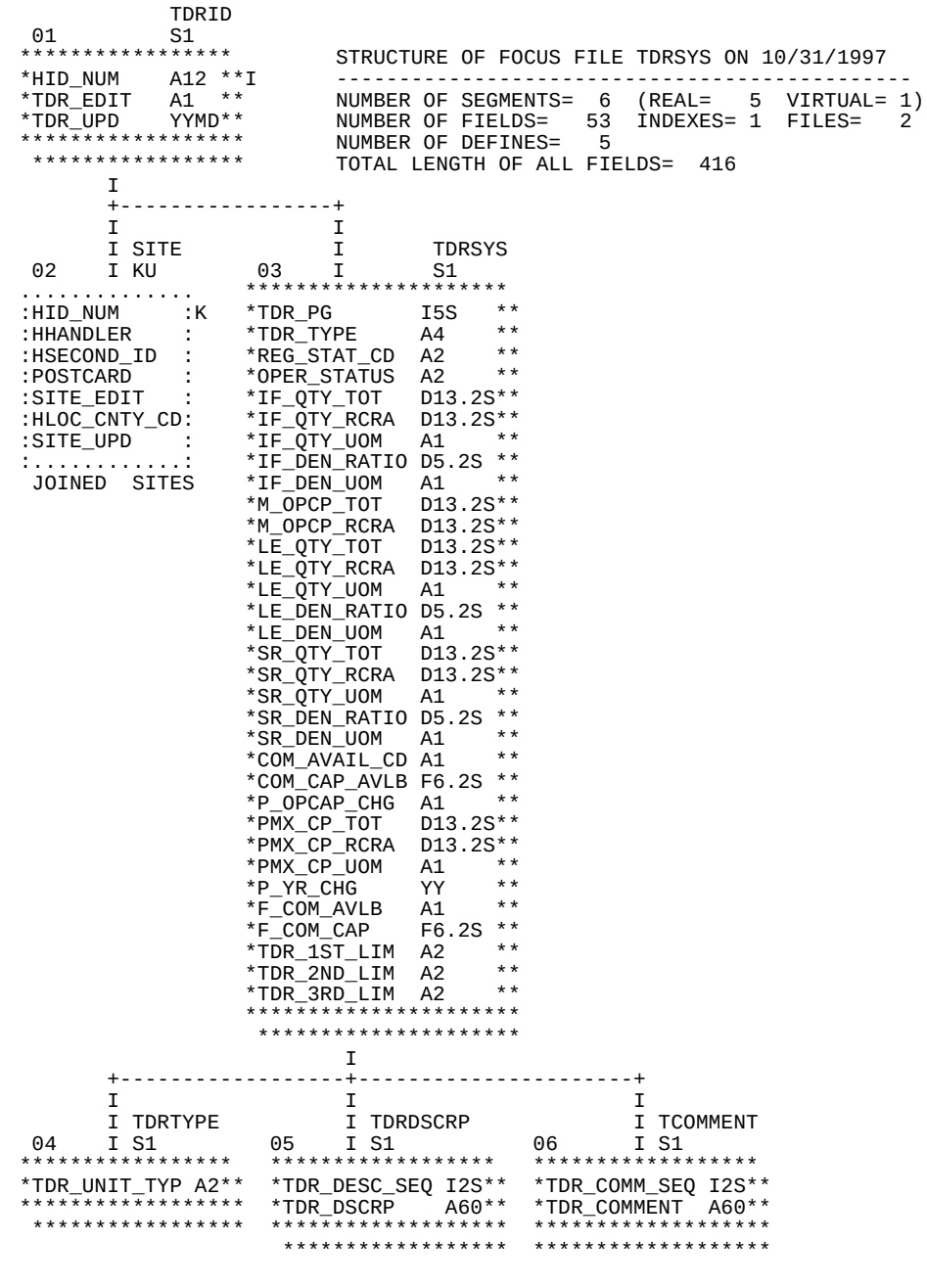
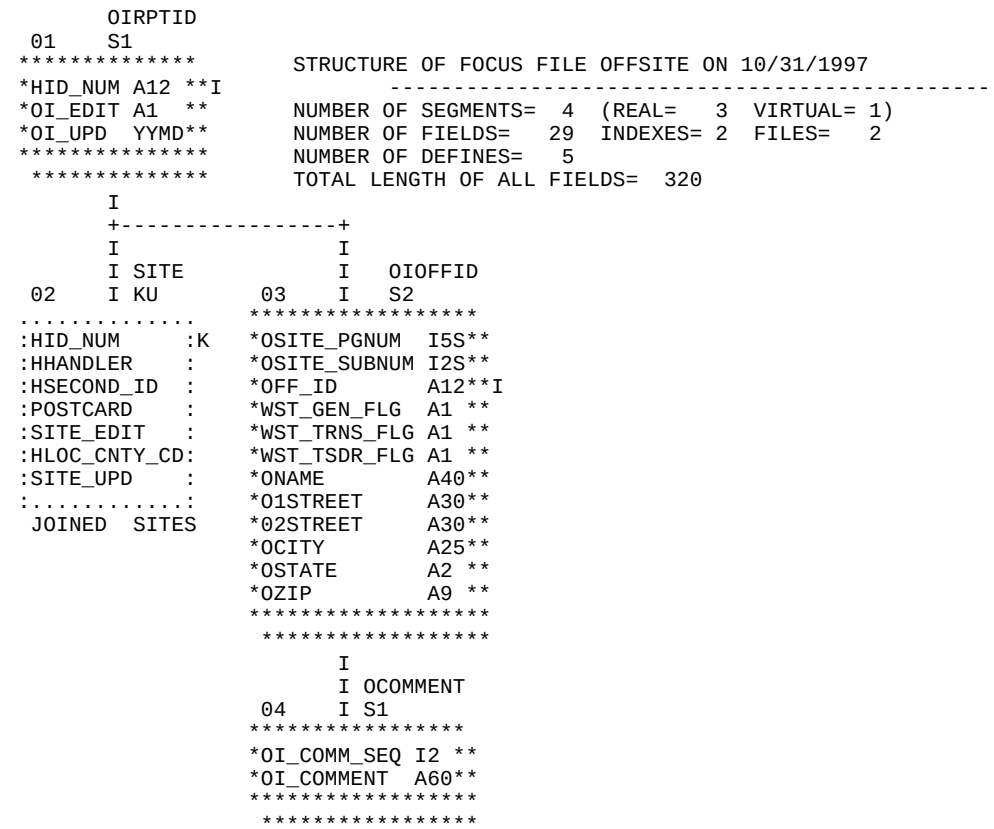
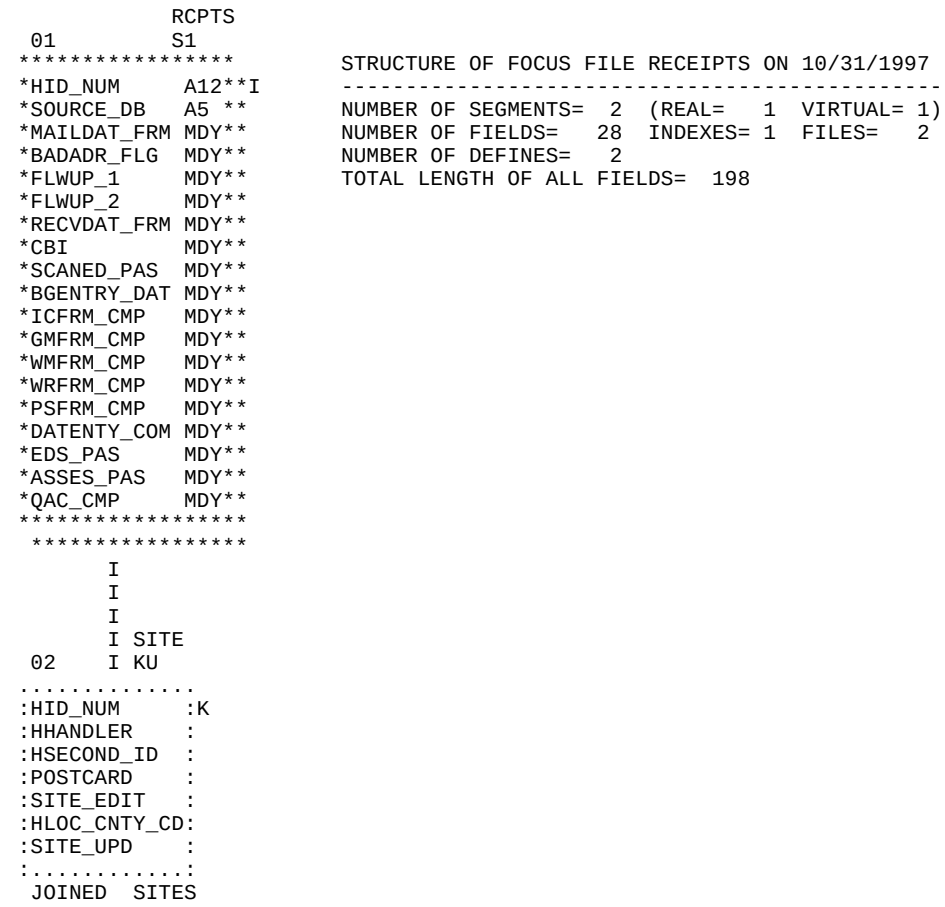
```
              SITE
 01           S1
******************      STRUCTURE OF FOCUS FILE SITES ON 10/31/1997
*HID_NUM      A12 **I   ----------------------------------------
*HHANDLER     A40 **    NUMBER OF SEGMENTS=  5 (REAL=   4  VIRTUAL= 1)
*HSECOND_ID   A12 **    NUMBER OF FIELDS=   76 INDEXES= 1  FILES=   2
*POSTCARD     A1  **    NUMBER OF DEFINES=   4
*SITE_EDIT    A1  **    TOTAL LENGTH OF ALL FIELDS=  549
*HLOC_CNTY_CD A5  **
*SITE_UPD     YYMD**
******************
 ******************
       I
       +------------------+----------------+
       I                  I                I
       I SITEDATA         I SITESIC        I ICOMMENT
 02    I U           04   I S1       05    I S1
******************  **************   *****************
*HLOC1STRT    A30 *  *HSIC_SEQ  I2**  *IC_COMM_SEQ I2 **
*HLOC2STRT    A30 *  *HSIC_CODE A4**  *IC_COMMENT  A60**
*HLOC_CITY    A25 *  ***************  ******************
*HLOC_COUNTY  A27 *   **************   *****************
*HLOC_STATE   A2  *
*HLOC_ZIP     A9  *
*HMAIL1STRT   A30 *
*HMAIL2STRT   A30 *
*HMAIL_CITY   A25 *
*HMAIL_STATE  A2  *
*HMAIL_ZIP    A9  *
*CERT_LN      A15 *
*CERT_FN      A15 *
*CERT_TITLE   A15 *
*CERT_SIG_DTE YYMD*
*WST_GEN_STAT A1  *
*HCONT_LAST   A15 *
*HCONT_FIRST  A15 *
*HCONT_TITL   A15 *
*HCONT_PHONE  A10 *
*CON_PH_EXT   A4  *
*ON_STOR_ST   A1  *
*ON_R_TDR_ST  A1  *
*ON_RX_TDR_ST A1  *
*WST_MN_SRC_R A1  *
*WST_MN_RECYC A1  *
*WST_MN_OPPTY A1  *
*RCYC1 - 15   A1  *
*NGEN1 - 7    A1  *
*SRL_1LIM - 10 A1 *
******************
       I
       I COUNTY1
 03    I KU
..............
:HLOC_CNTY_CD:
:HLOC_COUNTY :K
:.............:
 JOINED  HCOUNTY
```


HZSID
01 S1
STRUCTURE OF FOCUS FILE HZSTREAM ON 10/31/1997
*HID_NUM A12 **I
*HZSM_EDIT A1 **
NUMBER OF SEGMENTS = 12 (REAL= 11 VIRTUAL = 1)
NUMBER OF FIELDS= 60 INDEXES= 1 FILES= 2
NUMBER OF DEFINES= 4
TOTAL LENGTH OF ALL FIELDS= 427
I
I SITE
02 I KU
JOINED SITES
03 I S3
:HID_NUM :K
:HHANDLER :
:HSECOND_ID :
:POSTCARD :
:SITE_EDIT :
:HLOC_CNTY_CD:
:SITE_UPD :
*FORM_IND A2 **
*HZ_PG I5S **
*SUB_PG_NUM I2S **
*FORM_EDIT A1 **
*HZFM_UPD YYMD **
*WST_FORM A4 **
*WST_QTY_UOM A1 **
*WST_DENSITY D5.2S **
*WST_DEN_UOM A1 **
*WST_ORIGIN A1 **
*OR_SYS_TYP A4 **
*ON_SITE_MANG A1 **
*OFF_SITE_SHP A1 **
*WST_M_RSLT A1 **
*PT_MEASURE A1 **
*RAD_MIX A1 **
04 I GMMIN
I U
05 I HAZCODE
I S1
06 I SHAZCODE
I S1
07 I TRICODES
I S1
08 I INOROUT
I S2
09 I GMSYS
I S1
10 I DESCRIPT
I S1
11 I WCOMMENT
I S1
12 I ACTIVITY
I S1
*SIC_CODE A4 *
*WST_SOURCE A3 *
*TRI_RPT_CODE A1 *
PRIORGEN_QTY D12.2S
GEN_QTY D12.2S
*WST_M_EFFC A1 *
NEW_RCYC_QTY D12.2S
*ACT_PROD_IDX F4.1S *
SRC_REDC_QTY D12.2S
*PRIOR_RCYC A1 *
ON_RCYC_QTY D12.2S
OFF_RCYC_QTY D12.2S
*HZW_SEQ I3** *HZW_CODE A4**
*SHZW_SEQ I3** *SHZW_CODE A6**
*CAS_NUM A10** *CAS_RANK I2S**
*IO_TDR A4 **
*IO_TDR_ID A12 **
*IO_TDR_QTY D12.2S**
*IO_PG_NUM I5S **
*OFSITE_AVAIL A1 **
*SYS_TDR A4 **
*SYS_TDR_QTY D12.2S**
*SYS_PG_NUM I5S **
*WST_DSCR_SEQ I2S**
*WST_DSCRP A60**
*WST_COMM_SEQ I2S**
*WST_COMMENT A60**
*ACTIVITY_CD A3**


TDRID
01 S1
STRUCTURE OF FOCUS FILE TDRSYS ON 10/31/1997
*HID_NUM A12 **I
*TDR_EDIT A1 **
*TDR_UPD YYMD**
NUMBER OF SEGMENTS= 6 (REAL= 5 VIRTUAL= 1)
NUMBER OF FIELDS= 53 INDEXES= 1 FILES= 2
NUMBER OF DEFINES= 5
TOTAL LENGTH OF ALL FIELDS= 416
I
I SITE
02 I KU
03 I S1
TDRSYS
:HID_NUM :K
:HHANDLER :
:HSECOND_ID :
:POSTCARD :
:SITE_EDIT :
:HLOC_CNTY_CD:
:SITE_UPD :
JOINED SITES
*TDR_PG I5S **
*TDR_TYPE A4 **
*REG_STAT_CD A2 **
*OPER_STATUS A2 **
*IF_QTY_TOT D13.2S**
*IF_QTY_RCRA D13.2S**
*IF_QTY_UOM A1 **
*IF_DEN_RATIO D5.2S **
*IF_DEN_UOM A1 **
*M_OPCP_TOT D13.2S**
*M_OPCP_RCRA D13.2S**
*LE_QTY_TOT D13.2S**
*LE_QTY_RCRA D13.2S**
*LE_QTY_UOM A1 **
*LE_DEN_RATIO D5.2S **
*LE_DEN_UOM A1 **
*SR_QTY_TOT D13.2S**
*SR_QTY_RCRA D13.2S**
*SR_QTY_UOM A1 **
*SR_DEN_RATIO D5.2S **
*SR_DEN_UOM A1 **
*COM_AVAIL_CD A1 **
*COM_CAP_AVLB F6.2S **
*P_OPCAP_CHG A1 **
*PMX_CP_TOT D13.2S**
*PMX_CP_RCRA D13.2S**
*PMX_CP_UOM A1 **
*P_YR_CHG YY **
*F_COM_AVLB A1 **
*F_COM_CAP F6.2S **
*TDR_1ST_LIM A2 **
*TDR_2ND_LIM A2 **
*TDR_3RD_LIM A2 **
I
I TDRTYPE
04 I S1
05 I S1
TDRDSCRP
06 I S1
TCOMMENT
*TDR_UNIT_TYP A2**
*TDR_DESC_SEQ I2S**
*TDR_DSCRP A60**
*TDR_COMM_SEQ I2S**
*TDR_COMMENT A60**


OIRPTID
01 S1
STRUCTURE OF FOCUS FILE OFFSITE ON 10/31/1997
*HID_NUM A12 **I
*OI_EDIT A1 **
*OI_UPD YYMD**
NUMBER OF SEGMENTS= 4 (REAL= 3 VIRTUAL= 1)
NUMBER OF FIELDS= 29 INDEXES= 2 FILES= 2
NUMBER OF DEFINES= 5
TOTAL LENGTH OF ALL FIELDS= 320
SITE
02 KU
03
OIOFFID
S2
:HID_NUM :K
:HHANDLER :
:HSECOND_ID :
:POSTCARD :
:SITE_EDIT :
:HLOC_CNTY_CD:
:SITE_UPD :
JOINED SITES
*OSITE_PGNUM I5S**
*OSITE_SUBNUM I2S**
*OFF_ID A12**I
*WST_GEN_FLG A1 **
*WST_TRNS_FLG A1 **
*WST_TSDR_FLG A1 **
*ONAME A40**
*O1STREET A30**
*02STREET A30**
*OCITY A25**
*OSTATE A2 **
*OZIP A9 **
OCOMMENT
04 S1
*OI_COMM_SEQ I2 **
*OI_COMMENT A60**


RCPTS
01
S1
STRUCTURE OF FOCUS FILE RECEIPTS ON 10/31/1997
*HID_NUM A12**I
*SOURCE_DB A5 **
*MAILDAT_FRM MDY**
*BADADR_FLG MDY**
*FLWUP_1 MDY**
*FLWUP_2 MDY**
*RECVDAT_FRM MDY**
*CBI MDY**
*SCANED_PAS MDY**
*BGENTRY_DAT MDY**
*ICFRM_CMP MDY**
*GMFRM_CMP MDY**
*WMFRM_CMP MDY**
*WRFRM_CMP MDY**
*PSFRM_CMP MDY**
*DATENTY_COM MDY**
*EDS_PAS MDY**
*ASSES_PAS MDY**
*QAC_CMP MDY**
NUMBER OF SEGMENTS= 2 (REAL= 1 VIRTUAL= 1)
NUMBER OF FIELDS= 28 INDEXES= 1 FILES= 2
NUMBER OF DEFINES= 2
TOTAL LENGTH OF ALL FIELDS= 198
I
I
I
I SITE
02 I KU
:HID_NUM :K
:HHANDLER :
:HSECOND_ID :
:POSTCARD :
:SITE_EDIT :
:HLOC_CNTY_CD:
:SITE_UPD :
JOINED SITES